



International Geographical Union
Union Géographique Internationale

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EDITORIAL

I am pleased to present Volumes 71-72 of the IGU Bulletin, documenting the activities of the International Geographical Union during 2021-2022. This period marks a significant transition as our community adapted to post-pandemic operations while maintaining the innovative hybrid approaches developed during the crisis years.

The Extraordinary Congress in celebration of IGU Centenary (Paris, 2022) successfully convened with unprecedented hybrid participation, combining in-person and virtual attendance. This format has proven particularly beneficial for our colleagues from regions facing travel constraints, thereby expanding the reach and inclusivity of our academic discourse.

Our Commissions and Task Forces have demonstrated remarkable resilience and creativity, organizing numerous workshops, seminars, and collaborative research initiatives. Many have leveraged digital platforms to maintain robust international collaboration, resulting in several landmark publications and research outcomes. The detailed reports of these activities are included in this Bulletin.

The financial statements reflect our prudent management of resources while supporting an increasing number of initiatives, particularly those aimed at early-career geographers and researchers from developing nations. The complete financial overview and audit reports are provided in the following pages.

This Bulletin also contains the minutes from our General Assembly meetings, where key decisions were made regarding the Union's strategic direction, including new initiatives for sustainability research and enhanced digital collaboration platforms.

We continue to strengthen our partnerships with international organizations and sister unions, working collectively to address pressing global challenges through geographical perspectives and methodologies.

I invite you to explore the detailed activities, achievements, and future directions of our Union as documented in this Bulletin, which stands as a testament to the vibrant and evolving nature of international geographical cooperation.

I would like to express my gratitude to IGU Assistant Secretary General Dr. Pankaj Kumar and his teammates who have made great efforts to bring this bulletin to you.

Prof. Dr. Barbaros Gönençgil
Secretary General of IGU

IN MEMORIAM



Professor R.B.Singh,

A Pioneer in Geographic Sciences

I profound sadness, remember of Professor R.B., a distinguished scholar who made remarkable contributions to the field of geographic sciences. His dedication to understanding Earth's complex systems and phenomena has left an indelible mark on the scientific community.

Throughout his illustrious career spanning decades, Professor R.B. revolutionized our understanding of spatial analysis and geographic discipline. His groundbreaking research on sustainability and their impact on human settlements has become foundational reading in universities worldwide. Developed innovative methodologies for analyzing spatial data patterns and published hundreds papers in prestigious journals.

As a professor at leading institutions, he mentored countless students who now hold prestigious positions in academia and research. His teaching style, combining rigorous methodology with practical field experience, inspired a new generation of geographers.

Beyond his academic achievements, Professor R.B. was known for his humility and willingness to collaborate with researchers across disciplines. His enthusiasm for geographic sciences was infectious, and he had an extraordinary ability to make complex concepts accessible to both students and the public. Professor R.B.'s research continues to influence modern geographic studies. His methodologies and theoretical frameworks remain vital tools in contemporary geographic research.

He is survived by his family and an extensive network of colleagues and former students who carry forward his legacy of excellence in geographic sciences. His contributions will continue to shape our understanding of Earth's systems for generations to come.

Beside RB, I respectfully and gratefully commemorate all our colleagues who have passed away during this period and who have contributed to the discipline of Geography through their work.

Professor Dr. Barbaros Gönençgil

Secretary General of IGU

*The IGU Executive Committee,
2020-2022*

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*Minutes of the IGU Executive
Committee*

INTERNATIONAL GEOGRAPHICAL UNION

MINUTES OF THE IGU EXECUTIVE COMMITTEE

MeetingZoom EC Meeting

Thursday, 8th April & Thursday, 15th April 2021

Welcome, Apologies and Meeting Logistics

The online meeting was chaired by President Michael Meadows, who welcomed EC members, Secretary-General

R.B. Singh, Past-President Yukio Himiyama, First Vice-President Iain Hay, and Vice-Presidents Elena dell'Agnese, Nathalie Lemarchand, Bojie Fu, Ruben Lois-González, Céline Rozenblat, and Holly Barcus, along with Assistant Secretary-General Pankaj Kumar. Apologies were received from Vice President Barbaros Gönençgil who joined the meeting on 8th April 2021 late. The Executive Committee meeting commenced at 10h00 GMT on Thursday, 8th April and 15th April 2021.

Adoption of the Schedule and Agenda

The agenda was duly adopted.

Minutes

Minutes of the IGU Executive Committee Meeting, held online on 24th November and 8th December 2020, previously circulated and corrected via email, were approved. The French version is to be prepared by Lemarchand.

Organization

1. EC meeting schedule 2021

Meadows noted that two EC meetings are to be scheduled before the postponed Istanbul Congress and associated General Assembly. The first of these will be in June and second in the days prior to the Congress in August 2021; both dates and times to be determined. dell'Agnese expressed her hope that a face to face EC meeting may be possible, at least for some EC members, in Rome

from 6th to 9th December if the COVID-19 situation allows.

2. General Assembly 2021

Meadows reaffirmed that the next IGU General Assembly (GA) will be held online in association with the postponed 34th IGC in August 2021. The minutes of the 2020 virtual GA remain to be finalised and circulated for approval ahead of confirmation at the meeting (Singh). The issue was raised as to how scrutiny of the IGU accounts can be organized, as required by the Statutes, at the virtual GA. Following deliberation, it was agreed that, in line with the statutory requirements, nominations would be solicited via email to IGU National Committee chairs to constitute a three-person financial sub-committee ahead of the GA. Meadows and Barcus would then email digital copies of the IGU account transactions and other relevant information to the sub-committee who will be required to review these and deliver a report at the GA. In the expectation that a full in-person GA will be possible during the Extraordinary IGC in Paris in August 2022, scrutiny of full details of the IGU accounts can be conducted by a financial subcommittee appointed at the GA itself.

3. Executive Committee member reports

Although some activity reports had been submitted, Meadows proposed that all EC member reports should be compiled in time for the next EC meeting and, as suggested by Rozenblat, a summary be presented to the August GA to focus on activities oriented towards the three target actions highlighted in the IGU Strategy. Meadows reiterated that the Secretary-General's report on

these activities should be concise and avoid assembling long lists of individual EC member's contributions.

4. IGU accounts

Barcus reported briefly on the IGU account held at Macalester College. Annual dues payments and disbursements to Commission and Task Force chairs were proceeding smoothly. Macalester is in the process of establishing a tracking system for all online transactions and moving to further streamline the system. Meadows reported that the IGU account in South Africa should remain open as it proves helpful in paying for restructuring and maintaining the IGU website and for typesetting the IGU Bulletin. Barcus noted some technical/legal challenges for Macalester in regard to USA banking regulations but was confident that these could be overcome. Separating the tasks of Secretary General and Treasurer will be discussed further at the June EC meeting.

Operations

National membership database

Kumar mentioned that updated address and email lists of IGU National Committee chairs will be sent soon to EC members. Meadows reiterated the need to keep such information updated and identical to that which appears on the IGU website. The National Committee list has now been categorized into Full, Associate and Observer members on the new IGU webpage of National Committee. In response to a query from dell'Agnese, Meadows confirmed that, in the absence of communication from a designated National Committee chair, EC members should seek alternative points of contact.

1. Commission and Task Force updates

Himiyama reported that the Commission on Geographical Education has been particularly active and he had shared news of this via email. Meadows noted that, where appropriate, such activities should be reported on the IGU website and can also then be highlighted in the IGU e-newsletter (or annual report). Hay reported that he had received feedback that IGU visibility on different social media platforms need to be increased and noted that some senior active

geographers had expressed difficulties in joining an IGU Commission. Further thought needs to be given about the means by which individuals 'join' the IGU and that the terms 'Steering Committee member' and 'Corresponding member' require further clarification. 'Corresponding member' could be replaced by 'Ordinary member'. It was agreed to revisit this issue at the virtual GA. Hay reported that the Chair of the Young and Early Career Task Force had communicated her view that the registration fee for the upcoming 34th Congress is exorbitant and agreed to respond to her in pointing out that it is in line with amounts being charged for other online conferences (e.g. AAG).

2. IGU Honors and Awards Committee

Himiyama tabled an email communication received from former IGU President Ron Abler as Chair, IGU Honors and Awards Committee. The committee sought some clarification about the number of recipients to be awarded for the years 2021, 2022 and 2024. The committee has considered nominations for the IGU Lauréat d'Honneur and Planet and Humanity Medal and made recommendations pending approval of the Executive Committee. Himiyama was requested to clarify the issue regarding the number of awardees with Abler and convey to him that the EC accepts the recommendations of the committee. dell'Agnese agreed to chair a sub-committee to consider the 2020 Commission Excellence Award and Singh was requested to collate the 2020 Commission and Task Force annual reports to form the basis of the decision. The sub-committee is scheduled to report back at the June EC meeting.

3. IGU website/social media

There has been considerable progress in restructuring the English language version of the IGU website and Meadows presented a quick overview of the main elements. New elements include the opportunity on many of the pages either to send a query, or offer further information using the newly established email address: hello@igu-online.org. Meadows agreed to explore the possibility of an auto-reply when messages are sent to this email address. Other issues still requiring attention include the French and Spanish versions of the core site, and links to social media pages.

4. IGU Bulletin

Meadows reported that editing of the Volume for 2017-2018 is complete; a pdf version has been posted on the website and the print file has been sent to Singh who is to arrange printing and distribution. The next volume (for 2019-20) now needs to be prepared and Meadows agree to find an appropriate person to edit this once the material has been collated (Singh, Meadows).

5. IGU e-Newsletter

Rozenblat presented a brief report on the new format of IGU e-Newsletter which had been circulated. She commented that the new arrangement is working well, and distribution using three different email address lists was now possible using the services of University of Lausanne (<http://syma.unil.ch>). She then pointed out the benefits of using these email lists for communications within and outside IGU communities and demonstrated how an administrator can manage, update and create changes in the lists which can manage a large number of recipients. Himiyama suggested, and it was approved, that the e-Newsletter should routinely include a letter from the President's desk, as had been the case in the past. Meadows thanked Rozenblat for developing the email distribution system and proposed that this be the default means by which members of the EC communicate with the wider IGU community.

6. IGU Journals project

Fu tabled a brief report on the IGU Journals project, noting that his team had scrutinized and double-checked all entries. Invalid journals have been deleted and in total 80 new journals (UK 15, China 13, Canada 09, USA 08,

Australia 05, Germany 04, Netherland 04, Poland 04, New Zealand 03, Japan 03, and Others 12) have been added to the database. The updating exercise should be complete by the time of the next EC meeting.

7. IGU Publications

Hay reported that the Elgar series is progressing well. Singh reported that the Springer series is also in regular production and that the recently

published volume 'COVID-19 Pandemic Trajectory in the Developing World Exploring the Changing Environmental and Economic Milieus in India' is open access.

8. Nomination of candidates to the Governing Board of ISC

EC agreed and finalized the names of two Geographers to be nominated to the Governing Board of ISC. Meadows agreed to collate and submit the nominations on behalf of the IGU.

IGU Conferences and Congresses

1. IGC Istanbul 2021

Gönençgil presented a brief report on progress regarding the upcoming Congress and iGeo Olympiad to EC. The closing date for early bird registration is 26th April 2021. After monitoring total paid registrations the local organising committee has proposed an extension of the deadline to 17th May 2021, following which guidelines will be sent to all presenters who have paid their registrations regarding pre-recording of their papers. Pre-recorded presentations, including those of the keynote speakers will be used in the event of technical problems encountered during the virtual congress. Meadows noted the need for participation in the GA to be without fee and that a meeting of Commission Chairs be arranged on the same basis. So far, 57 countries have expressed interest in participating in the iGeo, the final number will be known in early June. dell'Agnese suggested that keynote speakers be encouraged to provide Spanish and French translations of text in their Powerpoint presentations. It was agreed to reserve two slots (of 2hr 15mins each) for the GA in the event that more than one would be needed. Meadows expressed his appreciation to Gönençgil and his team for their ongoing work to make the virtual event a success and suggested that information about deadline dates etc. be distributed as widely as possible.

2. Extraordinary IGC, Paris 2022

Lemarchand presented a brief report on arrangements and progress for Extraordinary IGC Paris 2022. She highlighted some of the consequences of lockdown and COVID-19 on the contract, budget and calendar. The local organising committee (LOC) is organized into a Steering

Committee (co- Chaired by A le Blanc, J Verny, N Lemerchand, and the chair of the IGU National Committee for France, A. Cattaruzza), and a number of subcommittees. Communication arrangements are already in progress through IGU Commissions and Task Forces, websites, newsletters, social networks (Twitter, Instagram, LinkedIn etc.) and the press. The Congress will be organised at Sorbonne University with 30 venues for parallel sessions and a larger venue for ceremonies at another location in Paris can be arranged if the need arises. With social protection measures in place, the congress will use the services of international students as volunteers providing lunches and coffee breaks. IGC Paris website <https://www.ugiparis2022.org/> will be managed by a private partner and includes important features such as Luciole (<http://www.luciole-version.com/luciole-en.html>), a new typeface developed explicitly for visually impaired persons, bilingual information pages etc.

Projected costs are very dependent on the mode (e.g. entirely virtual, hybrid, entirely in-person) and Lemarchand emphasized the need to confirm this shortly. Meadows suggested that a sub-committee (Meadows, Singh, Hay) meet with the LOC in the near future to provide input to the discussion and enable a final decision to be made regarding conference mode and other issues such as the provision of lunches etc. A tentative calendar of important dates was presented and agreed. Rozenblat suggested involving LIID Future Lab <https://liid.fr/?lang=en> regarding the scientific exhibits. Singh noted the importance of maximising participation given that this event celebrates the centennial of the IGU and that registration fees should take this into consideration, along with the issue of accessibility in languages other than English.

3. IGC Dublin 2024

Nothing to report at this stage.

4. IGU Regional Conference 2026 call

Nothing to report at this stage.

Cooperation and Outreach

1. FIG

Nothing to report at this stage.

2. Night of Geography

Meadows acknowledged the excellent efforts of the organizing committee and noted that the largely virtual format had facilitated substantial participation across world in celebrating the Night of Geography/La Nuit de Géographie on April 9th 2021.

3. ISC (including GeoUnions, CODATA etc.)

Himiyama and Meadows had participated in the online Extraordinary General Assembly (eGA) of the ISC from 1-5 February 2021. The main agenda item was revision of the ISC Statutes and Rules of Procedure. Singh regularly attends meetings of the ISC GeoUnions Standing Committee on Disaster Risk Reduction and CODATA.

4. CIPSH

The next CIPSH event of relevance to the IGU is the European Humanities Conference on 5th to 7th May 2021. This has been posted under 'Other Events' on the IGU website. Himiyama had attended the online CIPSH General Assembly from 14-15th December 2020 together with Lemarchand and former IGU Vice-President Vladimir Kolosov, who was re-nominated as CIPSH Executive Committee member. Luiz Oosterbeek, former CIPSH Secretary General, was elected as its new President. The next CIPSH General Assembly and Conference will be held face-to-face at Odense, Denmark, from 13th to 16th December 2021; Himiyama is planning to attend and, depending on travel restrictions, it may be possible for others to participate.

5. UN-GGI

Singh noted that the IGU report has been submitted and circulated to EC members.

6. Eurogeo/Eugeo

The virtual conference is scheduled to take place from 22nd to 23rd April 2021. Meadows is scheduled to represent IGU at the opening ceremony and the event has also been posted on the website under 'Other Events'.

7. EGAL/UGAL

Lois-González noted that the next conference, scheduled for Córdoba, Argentina has been switched to an online meeting. Given the health

situation in Latin America, there will be no face-to-face events in 2021 and possibly through to the first half of 2022. Juan Manuel Delgado (IGU Latin America Commission), Yonkers Garces (IGI National Committee in the Dominican Republic) and Lois- González are promoting the candidacy of Santo Domingo to host the meeting in 2023 to be co- organized by Dominican colleagues and others from the Caribbean region. The Postgraduate Congress of Geography (ANPEGE) was held online recently with 3,000 participants. Lois-González had taken the opportunity to make a brief presentation on activities and initiatives of the IGU.

8. Other organizations (e.g. AAG, RGS, AGA etc.)

IGU has been approached by the Scottish Geographical Society, in partnership with the Royal Geographical Society, to participate in an online high-level panel discussion to be held in conjunction with COP24 scheduled for Glasgow 1st to 12th November 2021 (still to be confirmed). In China, the 'Conference on World Geography' is scheduled to take place immediately after the Istanbul Congress under the auspices of the Asian Geographical Association. Hay reported that the Institute of Australian Geographers and the New Zealand Geographical Society are holding one of their three-yearly joint meetings from 6th to 9th July 2021. Details can be found at: <https://www.sydney.edu.au/science/news-and-events/events/iagnzgs2021-conference.html>.

9. UNGEGN (United National Group of Experts on Geographical Names)

IGU has been approached with a view to establishing a more formal relationship with this body to improve communication. Given that IGU already has a Commission on Toponymy, such an arrangement is appropriate. Meadows has indicated IGU willingness to have formal representation on UNGEGN (Appendix 1) and is awaiting a response.

Other Business

1. IGU Statement in support of the community of geographers in France

On request of the Chair of the IGU National

Committee for France, a letter of support was sent to French geographers in view of the situation prevailing at certain universities there (Appendix 2).

2. Jena Declaration

IGU was approached to support the Jena Declaration, which arose out of a conference hosted by the chair of the Global Understanding Commission. Support for this was agreed some time ago via email (Appendix 3)

3. BBC StoryWorks

This ISC initiative is designed to help publicize the work of scientists. It was agreed to invite Professor Yugo Ono (Japan), who was nominated by Japan National Committee, to submit such a 'story' and that other possible entries be sought from the IGU community (Singh).

4. IYBSSD 2022 (International Year of Basic Sciences for Sustainable Development 2022)

It was agreed that IGU should sign the MOU in support of this initiative, although any possible funding commitment should be capped at US\$1000 (Meadows).

5. UNESCO-ESD online workshops

Himiyama attended all seven UNESCO-ESD online workshops. He reported that it was quite interesting to see how the UNESCO Division for Peace and Sustainable

Development organized the pre-conference workshops for 6 "UNESCO World Conference on Education for Sustainable Development" in May 2021. The charts produced in the workshops and shared by the EC members might show the essence of its achievements.

6. UNESCO Japan Prize

UNESCO Japan Prize, closing date is 30th April 2021. ISC has been approached with a view to submitting a nomination. In relation to UNESCO, Himiyama suggested that the Education for Sustainable Development (ESD) April Newsletter be circulated to the IGU community (Singh).

7. UNESCO World Logic Day

IGU was approached by CIPSH to offer its support for this event, which is on January 14th each year. Meadows sent a letter of support to the President of CIPSH (Appendix 4).

8. International Geodiversity Day

IGU has offered its support for International Geodiversity Day and posted information on the IGU website.

9. Community outreach

Meadows suggested that the environmental and sustainability projects of Rotary International's 'Environmental Sustainability Rotary Action Group' (ESRAG see: <https://www.esrag.org/>), most of which are community-based, might gain

further traction through the network of IGU international contacts. In essence what is envisaged is as follows: where a particular project in a country would benefit from relevant research or expert advice, the project director could approach the chair of the National Committee (or the chair of a relevant IGU Commission depending on the topic) with a view to soliciting input on a voluntary basis. This would fall into 'community outreach' for the IGU, with the added benefit

Adjourn

The meeting adjourned at 13.30 GMT on Thursday, 15th April, 2021. that many Rotary environmental projects are in developing countries. Further information is to be requested from Rotary before confirmation (Meadows).

INTERNATIONAL GEOGRAPHICAL UNION

MINUTES OF THE IGU EXECUTIVE COMMITTEE

Zoom EC Meeting Monday, 28th June 2021

Welcome, Apologies and Meeting Logistics

The online meeting was chaired by President Michael Meadows, who welcomed EC members, Past- President Yukio Himiyama, First Vice-President Iain Hay, and Vice- Presidents Elena dell’Agnese, Nathalie Lemarchand, Barbaros Gönençgil, Ruben Lois-González, and Holly Barcus, along with Assistant Secretary-General Pankaj Kumar. Apologies were received from Secretary-General

R.B. Singh, and Vice Presidents Bojie Fu and Céline Rozenblat. The Executive Committee meeting commenced at 10h00 GMT on Monday, 28th June, 2021.

Adoption of the Schedule and Agenda

The agenda was duly adopted.

Minutes

Minutes of the IGU Executive Committee Meeting, held online on 8th April and 15th April 2021, previously circulated and corrected via email, were approved. The French version was also prepared by Lemarchand.

Organization

1. General Assembly 2021

EC discussed and finalised the draft agenda for IGU General Assembly 2021. The virtual IGU General Assembly (GA) is scheduled to commence on Monday 16th August 2021 at Istanbul, Turkey in conjunction with IGC 2021. Two sessions, each of two hours, are reserved for the GA on 16th and 17th August. The need for the second day GA session will be determined at the

conclusion of the session on the 16th. The GA will be broadcast simultaneously on YouTube and will be recorded. The GA agenda, virtual meeting link, and call for Financial Sub-committee member nominations will be circulated by the General Secretary to IGU communities in advance of the meeting. The EC approved the following draft GA agenda:

Istanbul, Turkey 16th Monday and 17th Tuesday August 2021

10 am to 12 pm (GMT)

- Welcome by the President
- Roll Call
- Adoption of the Agenda
- Nomination and Approval of Finance Sub-Committee
- Approval of the Minutes of the 2020 General Assembly
- Amendment to IGU Statutes
- Report of the President for the Period 2020-21
- Report of the Secretary General and Treasurer for the Period 2020-2021
- Announcement of IGU Honours and Awards
- IGU Commission Excellence Awards for 2019, 2020
- Schedule of Future IGU Meetings
- Report of the General Assembly Finance Committee
- Open discussion National Committee and

Commission and Task Force members

- Other Business
- Vote of Thanks
- Adjourn

Regarding the amendment to the IGU Statutes to accommodate a suggestion that IGU affiliation with CIPSH be noted, Meadows agreed to consider how this can be phrased and also to consider an amendment to clarify the situation regarding IGU 'corresponding membership', which is a category no longer used and which name appears to cause some confusion. The proposed amendment is to be circulated with the General Assembly agenda documents, by the end of July (Meadows, Singh).

It was also agreed that the President and Secretary-General report should be presented in written form and circulated with the General Assembly agenda documents (Meadows, Singh).

2. IGU Finances

The Statutes require IGU accounts to be reviewed by a temporary Finance Committee who are tasked with formally reporting on the matter at the General Assembly. Due to the fact that the General Assembly in Istanbul in 2020 was held online, such review had not proved possible then and the decision was taken to postpone the task to 2021. Since the 2021 General Assembly is also online, a way forward to ensure compliance with the Statutes is required. Meadows suggested that a call be made to the IGU Community, via National Committee and Commission and Task Force chairs, to nominate individuals (self-nomination is also acceptable) to serve on the Finance Committee (typically comprising three people) to review the IGU accounts for the period 2016 to 2021. Acting IGU Treasurer Barcus and President Meadows will then share e-versions of the IGU accounts, including annual financial reports, bank statements, balance sheets and budget, with nominated members of the committee ahead of the General Assembly. This should be done by the end of July 2021 to allow the committee sufficient time to review the accounts and report back to the General

Operations

1. Commission Excellence Award

The IGU Commissions Excellence Award sub-committee reported its unanimous nomination of the Commission on Geography of Governance for the IGU Commissions Excellence Award for 2020. The award has already been announced on the IGU website. The EC agreed that evaluation guidelines for the Commission Excellence Award should be prepared for circulation to Commission and Task Force chairs (dell'Agnese).

2. Honors and Awards Committee

Himiyama presented the draft IGU Honors Committee Report, dated 20 June 2021. The EC discussed the Committee's responses to earlier EC questions and suggested a number of minor modifications to the draft details of existing and new awards. Himiyama will communicate with the Honors Committee about these (Himiyama).

IGU Conference and Congress

1. IGC Istanbul 2021

Gönençgil presented a draft framework for the forthcoming 34th International Geographical Congress. Participants from around 75 countries have registered to join the virtual Congress. Meadows suggested that the Commission Excellence Award lectures (Tourism, 2019; Biogeography, 2020) should be highlighted separately on the program so that Congress participants have greater opportunity to attend it. It was also agreed that the EC meeting be held on the day before the Istanbul Congress in hybrid form to accommodate those members able to attend Istanbul in person as well as those unable to travel.

2. Paris Congress

Lemarchand discussed preparations for the Paris Congress 2022 which will be presented as both in-person and online for a part of it (hybrid mode). The sessions will be either in person or virtually. Participants physically present in Paris will be able to follow all sessions but online participants will only be able to follow the online sessions. Session organisers are advised to specify the form of the session virtual or in-person - when submitting a proposal. If this is not specified, the sessions will be added to the list of "in-person

sessions", but we will make the adjustment as long Assembly (Singh, Barcus, Meadows).

3. Executive Committee member reports

The EC agreed that the Secretary-General and Treasurer should compile a summary report of Executive Committee activity for reporting to the GA. This summary should draw from EC members' reports prepared since the last GA. (Singh) as possible, depending on the sanitary context. Acknowledging the gender inequality on the current scientific committee (13 male, 6 female), Lemarchand sought suggestions from the EC for more female representatives. Several names were proposed. There remains considerable uncertainty about financial sponsorship due to COVID-19. Venues for the opening and closing ceremonies are still undecided but promising discussions continue. Exhibitions will be held in National Library of France. Lemarchand outlined registration- related processes, including proposed Congress registration fees, and a provisional calendar. Lemarchand highlighted various COVID-related challenges and their consequences for the event's budget and calendar. In response to these concerns the EC agreed to provide bridging finance to the LOC in the amount of Euros 10,000

to secure some key event bookings.

3. IGU Regional Conference 2026

A letter of intent to hold an IGU Regional Conference in 2026 at Nur Sultan city in the Republic of Kazakhstan has been received from Qazaq Geography. The proposers are requested to prepare a more detailed bid document (by 1 May 2022) for presentation to the General Assembly at the Paris Extraordinary Congress. Other bids received by that time can also be considered.

Cooperation and Outreach

7.01 Report on UNGEGN

The Report of the 2nd UNGEGN Session was circulated and posted on the website.

Other Business

No other business was tabled.

Adjourn

The meeting adjourned at 13.30GMT on Monday, 28th June, 2021. The next meeting to take place on 15th August 2021 ahead of the 34th International Geographical Congress in Istanbul.

INTERNATIONAL GEOGRAPHICAL UNION

MINUTES OF THE IGU EXECUTIVE COMMITTEE MEETING

Zoom EC Meeting

Thursday, 19th August, 2021, IGC Istanbul, Turkey

Welcome, Apologies and Meeting Logistics

The online meeting was chaired by President Michael Meadows, who welcomed EC members, Past- President Yukio Himiyama, First Vice-President Iain Hay, Vice- Presidents Elena Dell' Agnese, Nathalie Lemarchand, Barbaros Gönençgil, Ruben Lois-González, and Holly Barcus, along with Assistant Secretary-General Pankaj Kumar. Apologies were received from Vice-Presidents Céline Rozenblat and Bojie Fu. The Executive Committee meeting commenced at 10h00 GMT on Thursday, 19th August, 2021.

In memoriam: Professor RB Singh

The EC members stood for a minute silence in remembrance of the late Prof RB Singh, Secretary General and Treasurer, IGU, who passed away on 22nd July 2021, followed by the screening of a tribute video.

Adoption of the Schedule and Agenda

The agenda was duly adopted.

Minutes

Minutes of the IGU Executive Committee Meeting, held online on 28th June, 2021, previously circulated and corrected via email, were approved. **Organization**

1. IGU Secretary-General and Treasurer

Meadows solicited the views of EC members regarding the filling of the now vacant IGU Secretary General and Treasurer position. It was suggested that an interim appointment can be made pending a call for nominations and elections in 2022. Meadows briefly highlighted day to day

engagement and commitments related to the responsibilities of the Secretary-General responsibility and emphasized the importance of regular communication with the IGU community. After further discussion, it was agreed that Gönençgil would take over the position in an interim capacity until the Extraordinary Geographical Congress in Paris in 2022. A formal appointment of Secretary-General for the period 2022-2026 will be made following an e- ballot prior to the Congress. The IGU EC retains the services of Assistant Secretary-General, Dr Pankaj Kumar until the Paris Congress. Upon Himiyama's suggestion, it was decided to make an announcement of these decisions at the closing ceremony of 34th IGC Istanbul, 202, as well as by email after the congress.

2. General Assembly report-back (including IGU finances)

Meadows briefly reflected on the online General Assembly that had been held during the Istanbul virtual IGU Congress. In all, 40 countries participated in the meeting, 32 countries on the first day and proceeded well. The finance committee (Professors Amaël Cattarazza, France and Jun Yamasita, Japan), appointed before the Congress, had carefully scrutinized the various financial reports and supporting documentation provided by Meadows in his capacity as acting Treasurer and presented their report. Discussion ensued regarding the IGU financial situation, which remains robust, and how any surplus funding could be utilized productively without threatening sustainability. Gönençgil tabled a proposal to establish a new project support programme, the purpose of which would be to

provide co-financing for projects aligned with IGU goals and objectives. While there is in principle support for such an idea, it was pointed out that there are substantial logistical challenges and further discussion is needed to explore the possibility in more detail. Others suggested a possible increase in the annual grant to IGU Commissions and Task Forces, specifically with the goal of promoting the participation of female and early career geographers from the global south in IGU events. The matter is to be tabled at the next EC meeting.

3. EC meeting schedule 2021-22

A face-to-face EC meeting for those able to attend is scheduled for the period 6th to 9th December 2021 in Rome, Italy. The first EC meeting of 2022 is scheduled tentatively for late March-April, 2022 in Paris, France 10 further eight on the second day. The sessions in general

Operations

IGU National Membership update

No new national member applications are pending for approval. Lois-González is hopeful of receiving proposals from Angola and Mozambique. Meadows has been in communication with representatives of the University of Queensland (Haiti) with a view to possible membership from Haiti.

1. IGU Commission and Task Force update

Gönençgil noted that Commission on Climatology has a new chair, as Professor Jun Matsumoto is stepping aside and his place is taken by Professor Agnieszka Wypych of the Jagellonian University, Poland. Professor Wypych has excellent experience as a long-standing Steering Committee member in the commission. A proposal to establish a new IGU commission on 'Informality, Social Change and Development', put forward by Professor Xue Desheng Xue, Sun-Yat Sen University, China was tabled. Following discussion, the EC approved the proposal. Meadows noted the need for previous winners of the IGU Commission Excellence Award, viz. Geography of Tourism, Leisure, and Global Change' and the Urban Commission: Re-Thinking Cities and the Urban: from the Global to the Local

to deliver lectures at the Centennial Congress, Paris, France in 2022, along with the 2021 winner (Geography of Governance). The Commission on Biogeography and Biodiversity delivered their lecture at the virtual IGC Istanbul.

2. Honors and Awards Committee

Himiyama tabled revised draft guidelines for IGU awards, viz. Lauréat d'honneur, Planet and Humanity Medal, Early Career Award in Geography and Award for Distinguished Geographical Practice. The IGU Honors and Awards Committee remains responsible for receiving and evaluating nominations based on approved guidelines. The revisions were approved and the EC requested Himiyama to be its liaison with the IGU Honors and Award committee. Lemarchand agreed to translate the guidelines into French, following which they are to be circulated with the call for nominations for the 2022 awards to be presented in Paris.

3. IGU website/social media

Meadows noted that the IGU website is mostly operating satisfactorily although requires regular assistance from website hosts in India and technical support from the technician in South Africa. News items are added, usually two or three times a month.

IGU Conferences and Congresses

1. IGC Istanbul 2021

Gönençgil presented a brief report on the 34th International Geographical Congress, currently being held virtually and transfer of the main IGU site to India, the IGU Facebook page has lost the auto-update facility; Meadows agreed to arrange for this to be reinstated. Hay manages the IGU LinkedIn social media platform which now attracts regular traffic. Meadows suggested an approach to Dr Dhritiraj Sengupta, steering committee member of the Commission on Coastal Systems, to take over managing the IGU Twitter and Facebook accounts to ensure that they are updated more regularly. Meadows agreed to take on the urgent task of updating the EC details page and the IGU Secretariat address to reflect the temporary arrangements.

4. IGU Bulletin

Meadows expressed the hope that IGU Bulletin volumes 67-68, 2017-2018 and volume 69-70, 2019- 2020 would be printed in Istanbul and be available for distribution at the Paris General Assembly in July 2022. The e-version of volume 67-68, 2017-2018 is already available on the website. Work needs to commence on volume 69-70 (Meadows, Gönençgil, Kumar).

5. IGU e-Newsletter

The next IGU e-Newsletter will be collated by Rozenblat and published in October 2021.

6. IGU Journals project

Fu mentioned that his team has completed an update of the IGU journal list and added 18 new journals from 18 countries with a view to further additions in the coming months. Meadows expressed his thanks to those who have worked on this.

7. IGU Publications

Hay, as co-editor of Edward Elgar's IGU Series on Contemporary Geographies, noted that 'Geography of Cosmopolitanism' is now published and that the next in the series is entitled 'Geography of Misinformation' scheduled for publication early in 2022. Himiyama mentioned that he has been in communication with Springer about the series 'Advances in Geographical and Environmental Sciences' and has been invited to take over editorial responsibility for this in place of the late Professor RB Singh together with an Indian colleague. Jerzy Banski is co-editing with Meadows a Springer volume on the state of the discipline entitled 'Research Issues and Achievements of Modern Geography' which, on publication, will be dedicated to the late Professor RB Singh. Meadows thanked Vice-Presidents Lemarchand and Lois-Gonzalez for making the time to travel to Istanbul to lend their assistance where appropriate. In total, approximately 600 presentations have been received from 75 countries, 50 from China, 43 from India and 41 from Japan, along with 92 poster presentations and seven keynote lectures. Both the opening and closing ceremonies of the Congress are public events with simultaneous broadcast on a dedicated *YouTube* channel. The

local organising committee has received numerous positive messages from delegates, in particular relating to the efficiency with which any technical issues were dealt with. The Congress abstract volume is printed and has an ISBN number. Meadows and Hay thanked Gönençgil and his team, including the Dekon conference organizers, for successfully organising the virtual IGC Istanbul 2021.

2. Extraordinary Geographical Congress, Paris, France, 2022

Lemarchand presented a brief report on the Centennial Congress, Paris 2022 and noted the decision to extend the session proposal deadline to 1st October, 2021. The announcement of accepted sessions is expected by October 15th 2021. To date, 43 sessions have been proposed, 32 from IGU Commissions and Task Forces and 10 thematic sessions, mostly in English with some in French and Spanish. Registration for the Congress will open in September and the closing date for abstract submission is set as January 7th 2022. Accepted papers can be presented

Cooperation and Outreach

1. International Science Council

Himiyama and Meadows had recently attended an online briefing meeting organised to solicit opinions on the proposed ISC draft action plan. The draft plan pays more attention to education compared to previous versions and places emphasis on major global issues such as the UN SDGs, although the Future Earth and Education for Sustainable Development (ESD) initiatives are not prominent. Himiyama is of the view that the ISC must mobilise global academic communities to support Future Earth more. Meadows, Himiyama and Gönençgil will all represent IGU at the ISC General Assembly scheduled for October 11th to 15th 2021. ISC news and announcements are circulated regularly to the IGU community as appropriate. IGU has actively participated in nominating individuals and organizations for various ISC positions, including the Governing Board, as well as for the *BBC StoryWorks* initiative and for several of the ISC awards to be presented at the upcoming virtual General Assembly. On

behalf of the IGU, Meadows reported that he had voted in approval of the latest ISC Financial Report. The ISC had not submitted a nomination for the UNESCO-JAPAN prize despite encouragement to do so. Nominations are currently being sought for membership of the advisory board of the UN Decade of the Oceans and for the ISC GeoUnions Standing Committee on Disaster Risk Reduction (DRR). Kumar agreed to be IGU delegate to CODATA. Nomination for the Tyler Prize are also open and EC members were requested to consider possible nominees. It was noted with pleasure that the ISC was in English, French or Spanish, or a combination. Aside from meeting rooms within the Sorbonne, rooms at both the French National Library and the French Geographical Society have been secured to facilitate parallel sessions. Keynote speakers will be identified and contacted in January. Meadows noted that willingness of the Royal Geographical Society to provide materials for the exhibition. A representative of the International Science Council (ISC) Governing Board will be present at the opening ceremony.

3. International Geographical Congress, Dublin, Ireland, 2024

Dublin International Geographical Congress 2024 is presenting a progress report in the closing ceremony of IGC Istanbul scheduled on August 20th 2021.

4. IGU Regional Conference 2026

There are currently two proposals to host this event; the matter is to be discussed at the next EC meeting.

5. Melbourne International Geographical Congress 2028

No business to report at this stage represented by Governing Board Member Professor Geoffrey Boulton at the virtual opening ceremony at IGC Istanbul 2021.

2. GeoUnions

Himiyama attended the UN-GGIM Geospatial Societies General Assembly meeting held recently and noted that the next chair of this body should be from the IGU and that we should prepare to take

responsibility. Himiyama, Gönençgil and Meadows remain IGU liaison with both the Geospatial Societies and GeoUnions.

3. CIPSH

CIPSH recently successfully organized the European Humanities Conference, in which Himiyama had participated and he noted that there is concern about the current state of humanities, particularly in Europe. CIPSH wishes to contribute more to SDGs and to sustainability more broadly. The in-person CIPSH General Assembly is scheduled for December 2021 at Odense, Denmark. It was agreed that IGU attendance is important and the Meadows will identify a suitable IGU delegate.

4. EGAL/UGAL

Lois González reported that the next EGAL conference is being held in Córdoba, Argentina at the beginning of December in the form of a virtual congress. In collaboration with Marco Mitidiero and Joselí M^a. Silva from Brazil, and Fernanda López from Ecuador, both representing their respective IGU National Committees, a session on new perspectives of geographic thinking from the South is proposed. In addition, in October 2021, Lois González reported that he will represent UGI in the virtual meeting of ANPEGE, the postgraduate geography organization in Brazil, with more than 4000 participants. The first meeting of the IGU Committee on Latin America and the Caribbean will be held in Colombia November 2022.

5. RGS/RSGS

Meadows reported that, following an approach by the Royal Scottish Geographical Society and the Royal Geographical Society, IGU co-hosted a virtual gathering of international geographical societies and associations to propose actions relating to the upcoming COP26 meeting in Glasgow, UK, in November 2021. The outcome of the event, which had been attended by representatives of more than 30 national geographical organizations, was the drafting of a joint statement on the climate and biodiversity emergencies. Supported by signatories representing the global community of geographers,

the declaration would be released ahead of the Glasgow event. It is hoped that this initiative will highlight the potential of the discipline of geography and its practitioners to contribute to efforts to address major global human-environment issues.

6. Festival International de Géographie (FIG)

This year, the guest region is 'Europe'. Lemarchand reported that she is, as has been the case for the last five years, participating in a roundtable event co-hosted by CNFG, which this year is entitled "From secondary school to university: which European geography(s)?" Additionally, the Association of Secondary School History and Geography Teachers (APHG) and the National Federation of Geography Students (AFNEG) are participating in the event this year, with the aim of examining the place of Europe not only in geography teaching programmes but also in relation to research and will consider such questions as what collaborations do European geographers build? What encounters and common topics are there for European geography students? What is the situation for European geography (ies) post-Brexit?

7.08 Other organizations

Himiyama reported briefly on the relationship between Trust for Sustainable Living (TSL) and Future Earth which appears to be a very constructive collaboration. IGU enjoys good contacts with both bodies.

Other Business

No other business was tabled. **Adjourn**

The meeting adjourned at 15h 00 GMT on Thursday, 19th August, 2021. **International Geographical Union**

Minutes of the IGU Executive Committee Meeting

Hybrid EC Meeting

Tuesday, 7th and Wednesday, 8th December, 2021, Rome, Italy

Welcome, Apologies and Meeting Logistics

The hybrid meeting was chaired by Interim Secretary-General Barbaros Gönençgil, who welcomed EC members, Vice-Presidents Elena Dell'Agnese, Nathalie Lemarchand, Ruben Lois-González and Assistant Secretary-General Pankaj Kumar to join the meeting in person. Barbaros Gönençgil also welcomed President Mike Meadows, Past-President Yukio Himiyama, Vice President Holly Barcus, Céline Rozenblat and Bojie Fu to join EC meeting in online mode. Apologies were received from First Vice-President Iain Hay. Barbaros Gönençgil wholeheartedly thanked Vice President Elena Dell'Agnese for facilitating the EC meeting in hybrid mode and for logistics arrangements in Rome, Italy. The Executive

Committee meeting commenced at 10h00 GMT on Tuesday, 7th December, 2021.

Adoption of the Schedule and Agenda

The agenda was duly adopted.

Minutes

Minutes of the IGU Executive Committee Meeting, held online on Thursday, 19th August, 2021, IGC Istanbul, Turkey, previously circulated and corrected via email, were approved. \

Organization

1. IGU EC Members and SG Elections

Gönençgil opened discussion mentioning that EC members' elections are due at the IGC Paris general assembly. Elections for Secretary General and four Vice President positions must be conducted at the IGC Paris General Assembly. It was suggested that the election be conducted through an e-ballot considering the pandemic situation and that is difficult at this stage to predict how many voting member countries may be able to send representatives to attend the in-person General Assembly. It was decided to call for nominations by 15th December with a closing date of 15th March 2022. A reminder email is to be sent in February 2022. Meadows agreed to approach two former Vice-Presidents with a view to acting as tellers for this election.

2. Financial Report

Barcus reported briefly on the status of the IGU funds held at Macalester College and noted that, in total, 42 countries paid their national dues for 2021 although several that regularly pay are still pending. A further reminder will be emailed. Due to the pending Executive Committee elections, an accurate record of IGU dues paid is especially important now. There was discussion as to what constitutes „good standing“ in relation to the IGU Statutes and Meadows suggested that a degree of flexibility is necessary in this regard. Gönençgil and Kumar agreed to compile the list of national members in good standing ahead of the call for nominations. Meadows noted that the IGU Cape Town account remains active and, because it has a debit card and online banking facilities, it is especially convenient for processing *ad hoc* payments and should be maintained for this purpose. The IGU account at Macalester deals primarily with National Membership dues and annual operating grant payments for IGU Commissions and Task Forces, along with membership dues for ISC and CIPSH. Meadows noted that the contribution to IYBSSD (International Year of Basic Sciences for Sustainable Development) has been paid from the IGU Cape Town account.

3. EC meeting schedule 2021-22

Gönençgil noted that two EC meetings are scheduled for Paris in 2022, with a face-to-face meeting from 11th to 13th April 2022 and a second ahead of the Extraordinary Geographical Congress in July. The possibility of scheduling a further EC meeting in Spain in November was discussed but no final decision taken.

Operations IGU National Membership update

Gönençgil tabled the full membership application for the United Arab Emirates, UAE, proposed by the Emirates Geographical Society of UAE. The application meets all the guidelines but must be formally approved by the General Assembly. Gönençgil agreed to administer an e- ballot before the end of the year with a closing date for voting of mid-January. Meadows noted the need for the EC to scrutinize and review national membership details regularly and further suggested that Kumar take over the liaison with countries and

Commission and Task Force for which the late Prof. Singh was responsible.

1. IGU Commission and Task Force update

Gönençgil notes that IGU Commission and Task Force information is regularly updated on the website. The EC agreed to send season's greeting emails to their respective liaison Chairs and that the communication should include information related to nominations for IGU Honors and Awards, plus submission deadlines for registration, abstracts and travel grant applications in relation to the Paris Congress.

2. New Commission Submission

Gönençgil tabled a proposal for new IGU Commission, "Urban Transformation and the New Urban Agenda in Southeast Asia" from Prof. Frauke Krass, University of Cologne, for EC consideration. It was noted, however, that the proposal is incomplete and that further information needs to be provided. Concern was expressed about overlap with the existing Urban Commission and the regional focus on Southeast Asia. Gönençgil, with assistance from Meadows, agreed to respond to the proposer noting these concerns and suggestions.

3. Honors and Awards Committee

Himiyama reported that the upcoming deadline for nominating candidates for IGU Honors and Awards 2022 (31 December 2021). Further increasing the number of nominees is desirable and reminder emails would need to be sent (Gönençgil). Meadows showcased the printed and framed commendations which are being forwarded to recipients of the 2021 awards via courier.

4. IGU Bulletin

It was noted that the most recently produced issue of the IGU Bulletin was not yet available in print form, although the pdf file is posted on the website. Following discussion, it was agreed to print a limited number of copies (25) for the archives and selected libraries. Gönençgil reminded the meeting that an ISBN code is mandatory for printing and this must be established for the Bulletin. It is hoped that the next issue would be ready in time for the Paris Congress.

5. IGU e-Newsletter

As editor of the e-newsletter, Rozenblat will produce the next issue at the end of January, 2022.

6. IGU Publications/Springer AGES

Meadows reported that Prof. Subhash Anand, Vice- Chair of the IGU Commission on Geoheritage, and Professor in the Department of Geography, University of Delhi, has made a formal offer to take over as co-editor of the Springer Series 'Advances in Geographical and Environmental Sciences' with Himiyama. The EC approves of this appointment and Springer is aware of the change.

IGU Conferences and Congresses

1. IGC Istanbul 2021

Gönençgil presented a detailed report on the Istanbul Congress, the 34th IGC, which was held in online format for the first time ever. In total, 628 presentations were received from registered participants, of which 555 were oral and 83 were poster presentations. Presenters from 77 countries participated, notably from Japan, China, India, Spain and Russia. Seven keynote speakers delivered addresses that covered the range of geographical topics. The Geographical Olympiad was organized immediately prior to the Congress, also in virtual mode for the first time, with 190 registrants from 46 different countries. In general, the programme proceeded smoothly, with the exception of occasional technical glitches. The

apply until 31st July 2022. The main congress will take place at La Sorbonne, Soci  t   de G  ographie, Institut de G  ographie and in the French National Library. The local organizing team comprises 20 people in divisions such as scientific, logistical, sponsorship, communication, events etc. The budget remains a challenge because sponsorship is proving difficult to obtain and commercial activities are restricted due to regulations imposed by the Sorbonne. Various modes of communication such as IGU website, IGU e-newsletters, Congress's newsletters, Geotamtam and social networks like LinkedIn, Twitter and Facebook are all in use to distribute information regarding deadlines etc. Details of Congress sites for the opening and closing ceremonies were

organizers received a number of highly supportive messages from participants. G  nen  gil thanked the Spanish IGU community for preparing and sharing a book published to commemorate the IGC Istanbul. Several commissions have subsequently submitted formal reports on the Congress.

The Istanbul local organising committee has prepared abstract volumes with ISBN numbers and published these on the Congress website. Digital recordings of all presentations are also available on the website which will remain available. Some 75 young and early career geographers were awarded IGU travel grants in the form of free registration. Meadows thanked G  nen  gil for hosting a highly successful congress amid adverse conditions and suggested that the report be made available for wider circulation. Lemarchand noted that there was much to learn from the experience of hosting the Istanbul Congress and suggested that a framework of guidelines be made available for future virtual congresses, including regional and thematic conferences via the website and IGU Bulletin.

2. Extraordinary Geographical Congress, Paris, France, 2022

Lemarchand presented a situation report on the Centennial Congress, Paris 2022. The new Covid variant (Omicron) has precipitated revision of public health rules in France regarding vaccination, required documents, more frequent re- testing, and the health pass requirements which will

presented, along with information about the 30 parallel rooms for the scientific sessions, business meetings and the General Assembly. There are 280 sessions approved with accepted presented in English, French or Spanish, or a combination. IGU Commission sessions total 196 and thematic sessions total 84.

Meadows thanked Lemarchand for the ongoing dedication and hard work that is surely going to ensure the success of the IGU centennial congress. It was noted that an extension to the deadline for abstract submission may be necessary. There was considerable discussion about the possible impact of travel requirements and restrictions as a result of the pandemic and the associated importance of providing information and links to appropriate

websites on the Congress home page. Meadows suggested that the organizers consider the Société de Géographie building as a suitable venue for the closing ceremony. A final decision regarding the format of iGeo 2022 was expected soon in consultation with the IGU Olympiad Task Force. The availability of travel grants has been announced and Barcus has agreed to convene a sub-committee to select the awardees. Meadows noted that communication and

invitations should be circulated to all IGU sister organizations, including the GeoUnions, CIPSH, etc. Messages of support for the centennial congress can be requested from IGU sister unions and printed in the congress brochure.

3. International Geographical Congress, Dublin, Ireland, 2024

The IGC Dublin local organizing committee reports that it is carefully monitoring the pandemic situation and progress in regard to the Centennial Congress at Paris 2022 and remains committed to hosting a face-to-face Congress in 2024.

Cooperation and Outreach

International Science Council (ISC) Election results The IGU nominee for a position on the ISC Board, Professor Maria Paradiso, was successfully elected at the recent ISC General Assembly to 2024. Paradiso has pledged to work especially on sustainability and education initiatives within the ISC and is keen to establish better communication between ISC and IGU. Meadows reported that he has been invited and agreed to act as IGU liaison delegate to the ISC GeoUnions Standing Committee on Disaster Risk Reduction (DRR). Himiyama noted that there are increasing opportunities for engagement with ISC in the form of online meetings etc. and agreed to identify key ISC announcements and ensure these are circulated and/or posted on the IGU website. Himiyama further noted the rapid evolution of Future Earth which hosted a successful Sustainability Research

& Innovation Congress in 2021 (SRI2021) and appears to be paying more attention to education

4. IGU Regional Conference 2026

The original call for proposals for the Regional Conference 2026 closed in July 2021. Two bids have been submitted, viz from Kazakhstan and one from Lima, Peru. Both have limitations and appear to be incomplete in terms of the required guidelines and it was agreed to reopen the call which will allow resubmission of the original two, as well as additional bids. The proposals should be submitted by mid-March and, following approval by the EC, will be voted on by the General Assembly at the Paris Congress.

5. 2022 Thematic Conferences

Thematic conference proposals have been received for Mahendragarh, India, (November 2022), for consideration along with previously submitted submissions for Milan, Italy (June-July 2023) and Osaka, Japan (March 2023). Lois-González noted that a further proposal is anticipated from Mexico for 2023. Following discussion in reference to the thematic conference guidelines, EC approved all three for 2022, as some flexibility in terms of frequency is justified given the ongoing pandemic situation that is constraining IGU activities.

nowadays. Meadows agreed to ensure that important Future Earth news updates are appropriately distributed.

1. International Council for Philosophy and Humanistic Studies (CIPSH)

CIPSH is scheduled to hold its next General Assembly from 13th -14th December 2021 at Odense, Denmark, in hybrid mode. Former IGU Vice-President Droogleever-Fortuijn is attending online on behalf of the IGU and her report will be tabled at the next EC meeting.

2. ISC Commission on Data (CODATA)

Kumar attended the CODATA virtual General Assembly on 15th and 16th November, 2021. Main decisions included a revision of the national dues structure, approval of task groups and election of officers. Full details are available at: <https://codata.org/events/general-assembly/general-assembly-2021/> Kumar will continue to communicate important news updates from CODATA to the IGU EC and broader IGU

communities as appropriate.

3. UGAL/EGAL

Lois-Gonz  les reported on the successful outcome of the 18th Encuentro de Geograf  as de Am  rica Latina conference (XVIII EGAL), held online from 30th November to 4th December 2021 with 2500 participants and some 800 papers presented. An IGU session was co-organized by colleagues from Ecuador and Brazil. The IGU relationship with Latin American countries continues to improve and Brazilian geographers are preparing a volume in the IGU Springer series to be released in time for the Centennial Congress. The next EGAL will be held in the Dominican Republic in 2023 and represents an excellent opportunity for the IGU to further consolidate its footprint in the region. Meadows thanked Lois-Gonz  les for his outstanding efforts to establish good relations between the IGU and Latin American geographical communities.

4. RGS-IBG/RSGS

Meadows reported that the Royal Geographical Society with the Institute of British Geographers, in collaboration with the Open University in the UK has approached the IGU to support the development of a novel open access course entitled: „Thinking geographically about global debates: learning from the „Global South“. The IGU community may be able to contribute to and benefit from this project.

5. Other organizations

The next EUGEO (Association of European Geographical

The next *Festival International de G  ographie* (FIG) is planned for 30th September to 2nd

October 2022 with the theme „deserts“ and focus country Portugal.

The next issue of GeoNight will be celebrated on 1st April 2022; the IGU will promote the event as usual.

IGU is co-supporting the International Year of Basic Sciences for Sustainable Development in 2022 (IYBSSD), an initiative of the International Union of Pure and Applied Physics (IUPAP) and has signed a Memorandum of Understanding (MoU). IYBSSD was proclaimed at the 76th session of the United Nations General Assembly on 2nd December 2021. Himiyama remarked that the Science Council of Japan will soon prepare a press release for the establishment of a Task Force Committee for IYBSSD. Himiyama suggested establishing an IGU task force for IYBSSD.

UNESCO has formally approved 6th October each year as International Geodiversity Day. The IGU community, especially the Commission on Geoheritage, should remain engaged with this opportunity to highlight the importance of the diversity of earth's minerals, rocks, fossils, soils, sediments, landforms, topography, geological and morphogenetic processes, and hydrological features such as rivers and lakes. Further information is available at: <https://www.geodiversityday.org/>

Other Business

No other business was tabled.**Adjourn**

Meadows thanked G  nen  gil for chairing the EC meeting so efficiently and dell'Agnese for logistic support and hospitality for those present in person in Rome. The meeting adjourned at 12.30 pm Rome local time on Wednesday, 8th December, 2021

INTERNATIONAL GEOGRAPHICAL UNION MINUTES OF THE IGU EXECUTIVE COMMITTEE MEETING

10h00, Tuesday, 12th April 2022, Hotel CIS Kellerman, Paris

Welcome, Apologies and Meeting Logistics

The meeting was chaired by IGU President Michael Meadows, who welcomed EC members, Past- President Yukio Himiyama, First Vice-President Iain Hay, Interim Secretary-General Barbaros Gönençgil, Vice-Presidents Nathalie Lemarchand, Holly Barcus, Céline Rozenblat, Ruben Lois- González and Assistant Secretary-General Pankaj Kumar. Apologies were received from Vice- President Elena Dell’ Agnese and Bojie Fu. Nathalie Lemarchand was thanked for facilitating the EC meeting and for excellent logistical and social arrangements in Paris. The Executive Committee (EC) meeting commenced at 10h00 local time on Tuesday 12th April, 2022.

Adoption of the Schedule and Agenda

The agenda and schedule were duly adopted.

Minutes

Minutes of the IGU EC meeting, held in hybrid format on December 7th and 8th 2021 in Rome, Italy, previously circulated and corrected via email, were approved. Lemarchand was thanked for preparing the French version. These minutes will be posted on the IGU website.

Organization

IGU Financial Status Meadows and Barcus reported briefly on the IGU financial situation. Meadows explained that the Cape Town account is used largely for operating expenses relating to the website, EC member travel and other ad hoc payments. Given that it is associated with a debit card, it is convenient and cheaper to use this account for most such payments. Barcus reported that the account held under the auspices of Macalester College is used for three main

purposes, viz. receipt of member country dues, payment of annual operating grants to Commissions and Task Forces, and payment of membership dues to, for example, ISC and CIPSH. In the last few years, as reported at the Istanbul online General Assembly, total IGU income had generally exceeded expenditure but, given that 2022 is a Congress year, this seemed unlikely this year. It was agreed to ask the General Assembly in Paris to approve that only an interim financial report be presented as there had been a comprehensive five- year report, scrutinized by the appointed Financial Committee in August 2021 and approved by the online General Assembly held in association with the Istanbul 2021 Congress. The next full report would be presented in Dublin in 2024 and will be reviewed by the appointed Finance Committee there. Meadows and Barcus will continue to monitor the situation and consider reviewing the annual membership fees, which have remained unchanged since 2008, early in 2023. It was agreed that, should the Paris Extraordinary Congress fail to break even, central funds could be applied if necessary to bring the books to balance as the event is a landmark one for the IGU.

1. IGU EC Members and SG Elections

Gönençgil reported on the call for nominations for the positions of Secretary-General and four Vice-Presidents. One nomination for the position of Secretary-General has been received, and six nominations for Vice-President. The e-ballot will be implemented shortly, with ballots to be submitted by 15th May 2022 to the tellers, former Vice-Presidents Aharon Kellerman and Jarkko Saarinen. For the purposes of the election, and in light of the difficulties associated with the global COVID pandemic, Meadows suggested to be

flexible or considerate while deciding upon 'Good Standing' member countries. The Interim Secretary General, in consultation with the Treasurer, will prepare an updated list. Gönençgil will broadcast a mail to all national committee representatives to inquire about their presence in the Paris Centennial Congress.

2. IGU Annual Report 2021

Gönençgil tabled the IGU annual report for 2021, which has already been distributed. It was agreed that Lemarchand would prepare a version in French for posting on the website.

3. EC meeting schedule 2021-22

Gönençgil noted that the next EC meeting will be held in Paris on 17th July 2022. Lois-González agreed to host a meeting in Santiago de Compostela, Spain, in October or November according to the most suitable schedule for EC members. The date is to be confirmed at the EC meeting held on conclusion of the Paris Congress when the composition of the new EC is known.

Operations

1. IGU Declaration on the Ukraine crisis

Meadows reported briefly on the initial IGU declaration made in solidarity with Ukraine geographers in response to the invasion of their country by the Russian military. Following escalation of the situation, the EC had subsequently agreed to suspend membership of the IGU National Committee of Russia pending a formal debate and decision by the IGU General Assembly in Paris. Himiyama noted the importance of paying attention to the purposes and values of the IGU as indicated in its Statutes and made it clear that this is an extraordinary situation that requires extraordinary measures, hence the EC decision. There was considerable discussion as to how the matter can be presented to the General Assembly. Gönençgil reported that the IGU Olympiad Task Force had decided not to accept participation by a team from Russia for the 2022 iGeo.

2. IGU Commission and Task Force update and Annual Reports 2021

Gönençgil noted that 37 of 43 Commissions and 2

of 3 Task Forces had submitted annual reports for 2021. The report of the Commission Excellence Award sub-committee, chaired by dell'Agnese, was tabled. It recommended the IGU Commission on Sustainability of Rural Systems as the winner for 2021. It was agreed that the past three Commission Excellence Award winners (2018, 2019, 2020) would present their lectures at the Paris Extraordinary Congress and the 2021 winners at the Dublin IGU Congress in 2024. Meadows agreed to congratulate the winners and to draft a formal announcement for distribution and posting on the IGU's social media platforms. A proposal from the Commission on Geoheritage was tabled requesting that the name be adjusted to 'Commission on Geoheritage and Parks'. This was approved. A proposal from the Chair of the IGU Karst Commission about a young geographers' forum was discussed. It was agreed to forward the suggestion to the Chair of the IGU Young and Early Career Task Force.

3. IGU Honors and Awards

Himiyama tabled the summary report of the IGU Awards Committee. Awards are being made in four categories, including two new awards. Four persons are recommended for the IGU Distinguished Practice Award, five persons for the Early Career Award, four persons for the IGU Lauréat d'Honneur (the fourth award being proposed is supernumerary in relation to the existing Guidelines) but a strong case was made), and one person for the IGU Planet and Humanity Medal. All recommendations were accepted and Meadows agreed to draft an announcement for circulation and for the IGU social media platforms.

4. IGU website/social media

Rozenblat noted that the IGU website has some technical issues relating to the 'Connect with us' facility that needs to be corrected. It is better that this feature, which appears under several tabs, be consolidated under 'contact' on the top line. Meadows agreed to take steps to resolve these issues.

5. IGU Bulletin

Meadows reported that the volume 67-68 has now been printed for distribution to appropriate

individuals and libraries in Paris and that he will attempt to have a pdf version of the next volume (69- 70) in time for the Centennial Congress.

6. IGU e-Newsletter

As editor of the e-newsletter, Rozenblat agreed to launch the April newsletter and made a request for information pending publication and circulation by the end of the month.

7. IGU Publications/Elgar/Springer

Hay reported that the second volume of the Elgar series is still in progress. It was agreed that the management of the series will continue with the current arrangements (Hay and Meadows as co-editors). Himiyama reported on the Advances in Geographical and Environmental Sciences series (Springer).

8. UNGEGN Liaison Officer

Meadows reported that Cosimo Palagiano, co-chair of the IGU Commission on Toponymy has been formally appointed as the IGU liaison officer to the United Nations Group of Experts on Geographical Names following a request.

9. LinkedIn site: status and future management

Hay agreed to continue to manage the IGU profile on LinkedIn when his term of office as Vice-President concludes after the Paris Congress, but effecting a transition by extending site admin rights to Meadows, Rozenblat and Lemarchand.

19IGU Conferences and Congresses Extraordinary Geographical Congress, Paris, France, 2022

Having attended a meeting with the Local Organizing Committee the day before, the EC was fully appraised of progress regarding the upcoming Congress. Thus far, approximately 1800 registrations have been received, the vast majority of which are on-site participants, with more expected in due course, and there are more than 250 confirmed sessions. Meadows requested that a slot for the IGU Commission and Task Force Chairs to be reserved, as well as one for the Commonwealth Geographical Bureau. The names of VIP guests to be invited to the opening

ceremony were finalized.

Almost 160 applications for the IGU Travel Grant were received and reviewed against the appropriate criteria by a sub-committee, comprising Barcus and Hay. Ultimately, 28 of the applicants were successful, with awards varying between €450 and €600 depending on distance to travel to the Congress. In addition, the LOC also has a program of free registration grant.

In relation to iGeo, it was agreed that the Russian team will not be invited to participate in Paris. Sue Lomas, as co-chair of the Task Force, has been invited to lead the prize-giving at the Opening Ceremony.

Gönençgil agreed to compile the General Assembly agenda in consultation with Meadows and Kumar and circulate as soon as possible.

1. IGU Thematic Conferences

Planning for the upcoming Thematic Conference in India (Mahendragarh, India, 24th to 25th November) is in progress. The website is live and registration and abstract submission open. Vigorous attempts have been made to keep registration costs to a minimum and the fee is affordable thanks to generous government support. Training programmes (Biodiversity monitoring, Glacier studies) and pre-and post-conference field trips are also arranged. Springer-Nature has indicated that it is willing to consider publishing an edited volume based on full- paper submissions.

Milan (March 2023) and Osaka (August 2023) IGU thematic conferences are still in the preparation stage but no further information is available at the moment. A proposal for a third thematic conference in 2023, (Mexico, 20th to 23rd August 2023) entitled 'Urban Transformations Towards Resilient Cities' was tabled. This represents the re-scheduling of a thematic conference originally proposed in 2021 and was approved. A pre-proposal for a thematic conference on 'Connecting Geographies from the Global South' was tabled (February 2024) and will be formally considered for approval in due course (12 to 18 months in advance of the event).

2. International Geographical Congress, Dublin, Ireland, 2024

The IGC Dublin local organizing committee has circulated an update and promotional video on their progress. They are committed to further engagement after the Paris Congress.

3. IGU Regional Conference 2026

No further communication has been received regarding a tentative proposal from Kazakhstan to host a 2026 Regional Conference. Attempts to elicit further information from Peru regarding the Lima proposal have not proved successful. Following discussion, it was agreed that, on the basis of the information received, it would not be possible for the EC to recommend either of these proposals to host the 2026 Regional Conference. A formal bidbook has been received from the National Committee for Turkey for the event to be held in Istanbul (August 17th to 21st 2026). It was agreed, on the grounds that it had not been possible to organize either the 2020 Congress or the postponed in-person Congress in 2021, that an in-person conference in Istanbul represents an excellent opportunity for the IGU community to finally visit the city and would likely be well-supported. Given the quality of the proposal, it was agreed to recommend Istanbul as host of the IGU Regional Conference in 2026.

Cooperation and Outreach

International Science Council (ISC) Election results
The ISC maintains regular contact with the IGU through its frequent email communications and there was no further discussion on this item. In her capacity as an ISC Councillor, Maria Paradiso regularly updates the IGU President regarding developments of possible interest to IGU in particular.

1. GeoUnions

The GeoUnions met online on 3rd February, with Meadows and Himiyama in attendance. It is intended that the next Meeting be held in person where possible in association with the IGU Extraordinary Geographical Congress. Meadows reported that there had been two meetings of the ISC Standing Committee on Disaster Risk Reduction (ISC-DRR) since the Rome EC meeting

attended by Himiyama (February 10th) and by himself (April 7th). Two main initiatives are underway, viz., a proposal for a special issue to the journal *Sustainability* to be entitled: ‘Monitoring and predicting natural hazards and environmental risk’, and a proposal for a session at the upcoming Seventh Session of the Global Platform for Disaster Risk Reduction (GP2022) to be held from 23rd to 28th May 2022 in Bali, Indonesia.

2. UGAL/EGAL

Lois-González noted that the next Congress will be held in San Domingo (Dominican Republic) in 2023 (end-June) and that the IGU is involved in the organization through membership of the scientific committee. The participation of members of the IGU in the event is very strongly encouraged.

7.05 RGS-IBG/RSGS

A second ‘gathering’, along the lines of the 2021 event that was held ahead of COP26 (Climate) and co-hosted by the Royal Geographical Society, the Royal Scottish Geographical Society and the IGU took place on 30th March 2022 to discuss possible roles for geographers and actions in advance of the planned COP15 (Biodiversity). The IGU had invited Professor Keping Ma of the Chinese Academy of Sciences to present a short ‘provocation’ and Meadows had chaired two of the eight break-out sessions. IGU had assisted in distributing publicity about the event which was attended by participants from around 30 countries. Meadows further reported that planning for the joint initiative with the Open University (OU), Royal Geographical Society and the IGU entitled: ‘Thinking geographically about global debates: learning from the Global South continues, with the first annual event to showcase the new online course scheduled for 2023. The IGU will assist in identifying possible participants, whose costs will be met by the OU up to a mutually agreed annual amount.

5. GeoNight

Lemarchand reported that the latest edition of GeoNight had resulted in activities across 30 countries, among these an event in Kyiv, Ukraine on GeoNight, 1st April 2022. More than 50 local participants attended an online launch meeting at

the start of the evening (European time). The event was promoted on the ISC website and will do so in future. The next GeoNight will be celebrated on 1st April 2023; the IGU will promote the event as usual.

6. UN Decade of Indigenous Languages

In association with the Royal Geographical Society, the Royal Canadian Geographical Society, Canadian Geographic, and National Geographic, and in recognition of the commencement of the UN Decade of Indigenous Languages, the IGU had supported the *Geographical Societies Joint Declaration for Decade of Indigenous Languages* by soliciting signatories, distributing the statement on the website, and posting it on the website.

7. Other organizations

The next EUGEO (Association of European Geographical Societies) conference will be held in Barcelona in 2023 and a EUGEO session is planned during the Centennial Congress in Paris.

Other Business

No other business was tabled.

Adjourn

The next *Festival International de Géographie* (FIG) is planned for 30th September to 2nd October 2022 with the theme ‘deserts’ and focus country Portugal.

The opening ceremony of the UN International Year of Basic Sciences for Sustainability (IYBSSD) is scheduled for 8th July 2022 at the UNESCO premises in Paris. There was discussion and agreement that it is in IGU interests to promote research and activities in relation to this topic and it represents an excellent opportunity for the IGU community to think about the role of Geography. Himiyama agreed to draft an email to the IGU Community concerning this and soliciting suggestions around possible activities. Meadows undertook to place a link to IYBSSD on the IGU website and to suggest possible geographers to speak at the opening ceremony. Himiyama agreed to draft a communication for the website and distribution to the IGU community to encourage further support.

Meadows thanked all for their attendance and, in particular, Lemarchand for logistic support and hospitality for those present in person in Paris. The meeting adjourned at 17h15 pm local time on Tuesday 12th April 2021.

INTERNATIONAL GEOGRAPHICAL UNION

MINUTES OF THE IGU EXECUTIVE COMMITTEE

MEETING

**09h00, Monday, 17th & Tuesday 18th October 2022,
University of Santiago de Compostela, Santiago de Compostela, Spain**

Welcome Apologies and Meeting Logistics

The meeting was chaired by IGU President Michael Meadows who welcomed Nathalie Lemarchand as First Vice-President, Past-President Yukio Himiyama, Secretary-General Barbaros Gönençgil, Vice-President and Treasurer, Holly Barcus, Vice-President Ruben Lois-González, Céline Rozenblat, newly elected Vice-Presidents Yazidhi Bamutaze, Phil McManus, Maria Paradiso and Assistant Secretary-General Pankaj Kumar. Apologies were received from Vice-President Bojie Fu. Meadows thanked Ruben Lois-González for facilitating the EC meeting along with an excellent field excursion to western Galicia and fine accommodation and social arrangements in Santiago de Compostela. The Executive Committee (EC) meeting commenced at 09h00 local time on both Monday, 17th and Tuesday 18th October 2022.

Adoption of the Schedule and Agenda

The agenda and schedule, previously circulated, were duly adopted with the addition of several items inserted as appropriate.

Minutes

Minutes of the IGU EC meeting, held in person on July 17th, 2022 in Paris, France, previously circulated and corrected via email, were approved. The French translation of the minutes is to be provided by Lemarchand. Both sets of minutes are then to be posted on the IGU website.

Organization Financial Report

The Treasurer presented a brief financial report and noted that the IGU accounts remain in good

order. Subscriptions from 40 National Committees have been received in 2022. Major expenses include funds that have been distributed for Travel Grants for the Congress and thematic conferences, Commission and Task Force stipends, and membership fees for other scientific organizations

1. EC meeting schedule 2023

Following discussion it was agreed to schedule the next EC meeting to coincide with the AAG Annual Meeting 2023 scheduled to take place between March 23rd to 27th 2023 in Denver, Colorado, USA. It will be possible to use this as a promotional event for IGU in general, and for as IGC 2024 in Dublin, since Ireland as a destination is likely to prove very popular with participants from North America. Dates and times to be confirmed. The next IGU e-newsletter can promote participation from the IGU community. There followed a discussion around IGU support and attendance by EC members in congresses and conferences of the other geography organisations like EUGEO, Asian Geographical Association, UGAL etc. to promote IGU activities and increase visibility. Lemarchand noted the importance of keeping in mind climate change, environmental ethics, restrictions on international travel by some institutions, along with exorbitant air fares. It was agreed that, with the exception of a Congress year, one EC meeting annually be held in person and that any others can be held in virtual format. Additional meetings, perhaps 'one agenda item' of shorter duration are possible

Operations

Commission Excellence Award Committee for 2021-2022

Meadows noted the need to constitute a Commission Excellence Award Committee that would adjudicate the award based on the annual reports submitted by Commissions and Task Forces. For the 2022 award, it was agreed that the committee be chaired by Lemarchand with additional members Lois-González, McManus, Paradiso, and Rozenblat. Gönençgil agreed to remind Commission and Task Force chairs to submit their respective activity reports by 15th December. The sub-committee will table its report at the next EC meeting.

1. EC Responsibilities for National Committee and Commission and Task Force update 2022-2024

Gönençgil presented a draft list of EC member liaison responsibilities to National Committees, and to Commission and Task Forces for the period 2022-2024. This was finalized following discussion (Annexures 1a and 1b).

2. IGU Statutes

Meadows reported on the changes to the Statute approved by General Assembly held in Paris. These follow from the decision to formally separate the positions of Secretary-General and Treasurer. English and French versions of the revised statutes need to be posted on the IGU website. Lemarchand noted that the ‘publication officer’ role appears to be redundant in that several EC members are engaged in editing volumes with various publishing houses, as well as special issues of journals. It was decided, however, not to change the wording in the Statutes, but rather not to appoint any particular EC member formally to fulfil the role.

3. IGU Social Media responsibilities

Meadows noted that, in addition to the website, IGU currently has a social media presence through Facebook, Twitter, and LinkedIn and asked for suggestions as to how to operate these accounts more actively. The possibility of this being the responsibility of a single EC member was raised but the decision was taken to establish a small social media sub-committee comprising Meadows, Gönençgil, Rozenblat, Lemarchand and Kumar, to handle the various media platforms. It was agreed

that the sub-committee may meet virtually from time to time as the need arises.

4. IGU Bulletin

Meadows requested Kumar to share all Commission and Task Force annual reports for the years 2019-2020. Meadows will prepare the next volume with a view to publication by March 2023. The pdf of the bulletin will be placed on our website for wider circulation.

5. IGU e-Newsletter

Rozenblat noted that the next IGU e-Newsletter is scheduled for circulation in November in English and French versions and requested EC members to share their news and to contact the relevant Commission and Task Force Chairs for their updates. Rozenblat was acknowledged for producing what is now a dynamic and stylish e-Newsletter which is now compatible also with mobile phones for accessibility.

6. IGU Publications/Springer AGES

Himiyama reported that the IGU Springer series entitled: *Advances in Geographical and Environmental Sciences* is proceeding well. Lois-González noted that Springer plans a forthcoming volume on Brazilian geography. Barcus reported that the second volume in the Edward Elgar series is scheduled for publication in 2023. Lemarchand added that she is involved in another Elgar project. Meadows and Jerzy Banski are co-editing a Springer volume that will be dedicated to late IGU Secretary-General Singh.

7. IGU Handbook preparation

By way of context, Meadows reported that former IGU Secretary-General and President, Ron Abler, had prepared, with subsequent inputs from Meadows, a handbook for the IGU to document its processes and procedures. Meadows is working on a further iteration and seeking assistance. It was decided that Gönençgil, Meadows, Lemarchand and Lois-González would work on this and report back at the next EC meeting.

8. International Encyclopaedia of Geography

Meadows circulated a request received from associate editor of the *International Encyclopaedia*

of *Geography* to rewrite the IGU profile for the next issue. Himiyama agreed to update and extend the profile by the end of January 2023 and presented a proposed outline for comment. impacted a virtual session of the IGU Gender and Geography Commission on the final day of the Paris Congress. Representatives of the commission had reported and were justifiably seeking explanations and assurances that the situation should not arise again in IGU events. Both Meadows and the Paris local organizing committee had independently expressed their sincere apologies to those impacted. Measures are needed to maintain adequate cyber security in future. It was agreed that an appropriate instruction, to be drafted by Gönençgil, should be added to the IGU Congress and Conference Memorandum of Agreement template to highlight the need to ensure that unauthorized persons are not able to access online conference sessions etc. Meadows agreed to write again to the chair of the Gender and Geography Commission regarding the commitment.

9..IGU's responsiveness and inclusiveness for colleagues in low-income countries

Barcus outlined the need for the EC to address the issues of responsiveness and inclusiveness that had been raised during the Paris General Assembly. In brief, there are particular problems for participants from low income countries to attend IGU events. Key concerns included early visa letters and acknowledgements, developing a standardized format for visa letters, offering a more flexible registration structure (fee structure based on income or similar indicator) to enable wider participation from low income countries, different ways of subsidizing such participants and offering more, or different, travel grants support options. Bamutaze and Kumar emphasized that visa issues

10 . IGU Online meeting security problems

Are critical, especially concerning the timing of letters of support from the local organizing committees, as this influences the success or otherwise of applications for local grants, obtaining leave, and completing visa application formalities. It was agreed that Meadows and IGC Dublin 2024 are to promote inclusiveness keeping

in mind key concerns. Meadows, Gönençgil, Barcus and Pankaj would meet to decide the particulars in relation to the Dublin 2024 Congress and further agreed to offer a subsidy of US \$30,000 to IGC Dublin 2024 to support this initiative.

11. Status of IGU Task Forces

Meadows noted that IGU currently has three Task Forces, viz. Centennial and Sesquicentennial Task Force, which has now completed its task and is discontinued, the Olympiad Task Force, and the Young and Early Career Geographers Task Force, both of which have been operating for many years. Meadows suggested it seems redundant to consider these Task Forces as different in practice from a Commission and that they should be offered the opportunity to be renamed as such. The Olympiad Task Force has already initiated the name change and it was agreed that this would be renamed the IGU Olympiad Commission, although the co-chairs should be encouraged to invite further steering committee members from the Global South countries. In respect of the Young and Early Career Geographers Task Force, the chair would be requested to provide a brief justification, whereafter the EC can approve the change. Both changes will ultimately need to be ratified by the General Assembly. Gönençgil will contact the respective chairs and communicate these decisions.

12. Draft MOA for Thematic Conferences

The need for a Memorandum of Agreement document for Meadows outlined the distressing security breach that IGU Thematic Conferences, similar to that already in use for IGU Congresses and Regional Conferences has been identified in view of an increased number of such conferences in hybrid and/or in-person mode. Gönençgil shared a draft version of MOA document for suggestions and feedback from EC members. The final approved version of this document will be included in the IGU Handbook, with the inclusion of an additional paragraph to highlight the necessity of ensuring cyber security for hybrid events. Barcus also suggested the addition of a clause to emphasize the need for measures to promote inclusiveness and accessibility

IGU Conferences and Congresses

1. Extraordinary International Geographical Congress, Paris 2022 and iGEO

Lemarchand presented a brief report of IGC 2022 to EC pending submission of a final report on the Congress. Main highlights of the Centennial Congress, from 18 to 22 July 2022, in Paris were presented. Organized by the French National Committee of Geography (CNFG), this historic congress took place in the most emblematic places of French geography, i.e., the Sorbonne, Institut de Géographie, and Société de Géographie. The opening ceremony was held at the Maison de l'Océan, an institution founded in 1906 by Albert I, Prince of Monaco, a pioneer in oceanography. More than 2,300 scientists, including nearly 2,100 face-to-face participants from nearly 80 countries, exchanged views in more than 263 sessions organized over 5 ½ days in 30 rooms and 600 time slots. Participants engaged with the most important contemporary themes, including for example, Anthropocene, climate change, environment, biodiversity, borders, cyberspace and digitization, urbanization, territorial governance, migrations and mobilities, wars, pandemics, gender and diversity. Three round tables ("Anthropocene", "A Planet of Migrants" and "Open Science") and three plenary conferences ("Space and Disability"; "Meta Geographies: Major Divisions to tell the World", and "Himalayan Mountains in Transition") were organized, bringing together geographers from all parts of the world. Three IGU Commission Excellence Award winners (Geography of Tourism; Urban Geography; Geography of Governance) presented their valedictory lectures. Numerous festive and scientific events punctuated the week of meetings, including a 'Top Carto' competition, a documentary festival, a *Nuit Blanche*, inspired by the *Nuit de la Géographie*. This centenary congress offered an opportunity to underline the significance of the IGU as an international scientific organization for geographers from all over the world, in all their diversity. The participation of a very large number of geographer colleagues from all regions of the world is testimony to this, as are the meetings of the regional geography associations and the international thematic working groups held during the congress.

Paradiso emphasized the need for a general policy to obtain detailed reports from organizers of IGU events on completion. A financial report is also required, although the format is not stipulated. It is expected that the Paris Congress will be able to make a contribution to the Promotion and Solidarity Fund. Meadows reported that IGU has purchased 100 copies of the volume 'A Geographical Century' (Springer) at a very substantial discount and that this is available for distribution as mementos.

2. IGU Thematic Conference 24-25 November 2022, Mahandregarh, India

Kumar presented a brief update regarding the IGU Thematic Conference to be held between 24- 25th November 2022 in Mahandregarh. IGU Secretary General Gönençgil and First Vice- President Lemarchand will represent the IGU EC in the conference and the IGU President will send a recorded message to be broadcasted in the opening ceremony. The theme of the conference is Sustainability, Future Earth, and Humanities: Opportunities and Challenges, with the aim of drawing attention to innovative, actionable, solution-oriented, fundamental and/or applied research efforts aimed at achieving global sustainability. The conference theme further includes three major sections i.e., Sustainability, Future Earth, and Humanities and 16 IGU Commissions are engaged with 28 sub- themes. A dedicated website (<https://igu2022.cuh.ac.in/>) of the Conference is already in place.

3. IGU Thematic Conference 4-6 April 2023, Osaka, Japan

Gönençgil reported that IGU Thematic Conference on "Islands in Relations: Conflicts, Sustainability, and Peace" is scheduled to be organized in Osaka Metropolitan University, Osaka, Japan during 4-6 April 2023. Himiyama mentioned that travel grant applications are being scrutinized for selecting probable awardees for the conference. The Conference will be organized in a hybrid format (a combination of in-person and virtual sessions) with the online broadcasting of keynote speeches. Conference update and detailed information can be found at <https://polgeog.jp/igu-tc2023/>.

4. IGU Thematic Conference 6-8 June 2023, Milan – Italy

Gönençgil outlined that this thematic conference is planned in association with the Osaka Thematic Conference. Calls for abstracts are already out and further details are available on the IGU website <https://igu-online.org/igu-thematic-conference-on-the-ocean-and-seas-in-geographical-thought/>.

5. IGU Thematic Conference 20-23 August 2023, Mexico City – Mexico

Lois-González reported on progress of the Mexico thematic conference which will now be held over five days between 18th to 25th August 2023. The theme of the conference is Urban Transformations: Towards Resilient Cities. Six IGU Commissions, including Urban Commission: Re-thinking Cities and the Urban, Geography of Governance, Geography of Tourism, Leisure, and Global Change, Geoheritage and Geoparks, Latin American Studies, and Population Geography are partners. Concern was raised about the substantial increase in registration fees for the conference, but it was recognized that this was related to the extended duration. Rozenblat noted the need for a conference website as soon as possible so that she can disseminate information about this conference in the IGU e- newsletter.

6. International Geographical Congress, Dublin 2024

Gönençgil reported that he and President Meadows had signed the Memorandum of Agreement (MOA) with the Local Organising Committee (LOC) of IGC Dublin 2024. The Dublin organising committee is well prepared, has already launched the congress website, and has promised a heightened level of communication from the beginning of 2023. The call for Congress sessions is scheduled to begin between May to September 2023, while abstract submissions will remain open from 3rd October 2023 to 12th January 2024. By the end of May 2024, a detailed congress programme will be available online. Registration fees are euros 430 for super early-bird full delegate, while the equivalent for students is Euro 210. Full delegate standard registration is Euro 480 and for students it is 260 euros. The IGC 2024

opening ceremony is scheduled for 24th August 2024. The LOC has established communications with IGU Commission chairs to assess their plans for participation in the Congress. It was further noted that the LOC is exploring ways of supporting more young and early career geographers to join IGC 2024 and also to provide them with reasonably-priced accommodation in Dublin.

7. IGU Thematic Conference, 3-5 June 2024, Quito, Ecuador

Lois-González reported on his meeting with the director of the Facultad Latinoamericana de Ciencias Sociales (FLACSO, Ecuador). FLACSO is proposing the Quito thematic conference. The LOC needs to engage formal support of at least four IGU commissions to ensure that the meeting can be branded as an IGU Thematic Conference. Lois-González agreed to contact the local organizers in this regard.

8. IGU Thematic Conference, 2025, Cairo, Egypt

Meadows apprised EC that an informal proposal has been received to organise an IGU Thematic Conference in the year 2025 at Cairo, Egypt which would coincide with the centennial of the first ever International Geographical Congress.

9. IGU Regional Conference 2026

The IGU Regional Conference 2026 will be held in Istanbul, Turkey 17-21 August, 2026. A formal bidbook was received from the National Committee for Turkey for the event to be held in Istanbul (August 17th to 21st 2026). Given the quality of the proposal, EC agreed to recommend Istanbul as host of the IGU Regional Conference in 2026.

6.10 International Geographical Congress, Melbourne 9-14

July 2028

Nothing new to report on this item.

Cooperation and Outreach

7.01 IGU UN-GGIM

Meadows mentioned that Rozenblat has been appointed as the point of contact between IGU and UN- GGIM (United Nations Committee of Experts on Global Geospatial Information Management) and that she will ultimately take over the position of chair of this group.

1.B. ISC

Paradiso, who is a member of the International Science Council (ISC) Governing Board and sits on its Outreach and Engagement Committee, reported on recent developments and highlighted that the current President wishes to increase visibility in marginalized regions and wishes to develop ISC as a much stronger voice among global scientific communities. The ISC is keen on opening an Asia Pacific hub in Australia and is working to establish proper links between unions and national academies. Paradiso foresees stronger roles for geography and geographers in the ISC in near future in promoting its activities especially among the GeoUnions. The debate has just started about the opening of a committee on science education which has long been called for by both Himiyama and Meadows and it is hoped that education for sustainability will be a focus. It was noted that ISC communications appear to be improving.

2. GeoUnions

2. A. IYBSSD (International Year of Basic Sciences for Sustainable Development)

Meadows briefed EC members that 2022 has now formally

been declared by the UN as the International Year of Basic Sciences for Sustainable Development. At the GeoUnions meeting in Paris held just before the Paris IGC, members discussed ways to contribute to this initiative and the idea of launching a webinar series in the form of series of high- profile online lectures by eminent scientists. The call went out for nomination of possible speakers and the IGU Commissions responded very positively, and six formal proposals were submitted. A sub-committee of GeoUnions was tasked with selecting the first three of these webinars, which are intended to be presented regularly from 2023 onwards and be marketed and

broadcasted using the ISC online platform. Final arrangements are still in hand, but Himiyama will communicate developments as they arise.

3. EGAL/UGAL

Lois-González reported the EC that the organizing committee of the XIX Meeting of Geographies of Latin America and the Caribbean (EGAL 2023) to be held from June 26 to 30, 2023, at the Autonomous University of Santo Domingo (UASD), in the Dominican Republic and that EC members are formally invited for this face-to-face meeting in the Caribbean, with the theme "Role of Geography: Sustainable Development, Adaptation and Resilience to Climate Change: Latin America and the Caribbean".

4. Other organizations

4.A Second United Nations World Geospatial Information Congress

Kumar was the IGU nominee at the Second United Nations World Geospatial Information Congress (UNWGIC 2022) in Hyderabad, India, from 10-14 October 2022 and presented a brief report. The five-day conference was hosted by the Department of Science & Technology, Ministry of Science and Technology and convened by the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM). With the theme of 'Geo-Enabling the Global Village: No One should be Left Behind'. The meeting reflected on the importance of integrated geospatial information infrastructure and knowledge services to support the implementation and monitoring of sustainable development goals. The Hon'ble Prime Minister of India, Shri Narendra Modi (through online platform), the Union Minister for Science and Technology and Ministry of Earth Sciences, Dr Jitendra Singh, Mr. Stefan Schweinfest, Director, UN-GGIM Secretariat, United Nations Statistics Department, Ms. Ingrid Vanden Berghe, Co-chair of UN-GGIM, Kingdom of Belgium, Dr S Somnath, Secretary, of the Department of Space, Dr Srivari Chandrasekhar, Secretary, of the Department of Science and Technology, Government of India inaugurated UNWGIC 2022. Around 2000 delegates comprising more than 700 international participants representing more than 120 countries covering a wide section

of people ranging from eminent scientists and policy-makers, geospatial stakeholders including ground-level beneficiaries shared their experiences on cross cutting areas of sustainable development goals, digital transformation and technological development, environmental and climate challenges, spatial ethics, knowledge infrastructure, governance and policies during the congress. See: <https://unwgic2022.in/> for further details.

4.B. Mountain Partnership

Gönençgil outlined the case for IGU accepting membership of the Mountain Partnership, which is hosted under the platform of the Food and Agriculture Organisation (FAO) of United Nations with headquarters in Rome, Italy. The importance of this alliance was highlighted, especially in the context of climate change and increased mountain vulnerability. It was agreed that IGU should apply for membership of the Mountain Partnership and that Gönençgil will initiate the process

4.C. RGS/OU

The project to develop an online, open access Open University course in partnership with the Open University and the Royal Geographical Society is now well advanced. Several filming sessions have already taken place and the MOA signed that will provide IGU with funds to allow participation in the annual event that will be used to promote the course. The launch is planned for 2024.

4.D. FIG

Lemarchand noted that the theme of 34th edition of the Festival International de Géographie (FIG) is 'Emergencies' and is scheduled for 29th September to 1st October 2023. The focus country is Chile.

4.E Geodiversity Day

Himiyama noted that the inaugural International Adjourn

Meadows thanked all for their attendance and, in particular, Lois-González and his colleagues for a

Geodiversity Day of UNESCO was celebrated on 6 October 2022. Bringing together people, communities, organizations, and countries across the world, it included educational, awareness raising, and public and policy engagement activities. The IGU EC, under the direction of Himiyama, organized an online webinar on the day. Some

24 participants from across the world and representing several commissions participated in the zoom webinar. Takashi Oguchi, Chair of the IGU Commission on Hazard and Risk represented International Geomorphological Association (IGA) and Dongying Wei, Chair of the IGU Commission on Geoheritage and Parks made presentations. Participants, including the IGU President, agreed to form a 'geodiversity group' to share information. Meadows proposed an online lecture series to celebrate geodiversity in different countries and thanked Himiyama for taking this initiative and successfully organizing the event.

4. Standing Committee for Gender Equality in Science (SCGES) representation

Meadows noted that the IGU has representation on the Standing Committee for Gender Equality in Science (SCGES). Rozenblat and Paradiso are appointed as first and second points of contact for this standing committee.

Other Business

Gönençgil noted that the updated list of Executive Committee responsibilities has been shared for reference, along with the updated IGU letter head and the *pro forma* for EC members' annual report. Bamutaze reported that IGU is co-branding the upcoming second International Conference on Geographical Science for Resilient Communities, Ecosystems and Livelihoods under Global Environmental Change (GORILLA) conference in December in Kampala, Uganda and encouraged EC member attendance.

wonderful field excursion and all logistical arrangements for the EC meeting and related hospitality. The meeting adjourned at 17h30 local time on 18 October, 2022.

*IGU Commission Task Force Annual
Report 2020-2021*

COMMISSION ON AFRICAN STUDIES ANNUAL REPORT: 2021-2022

A. Introduction

The IGU Commission on African Studies (IGU-CAS) was formed in May 2017. It is headquartered in the Department of Geography and Environmental Studies, University of Zululand, South Africa. It is a research and scientific body composed of and dedicated to African and Africanist scholars researching on issues around and in Africa, ranging from social sciences to natural sciences, but informed in the main by geographical, multi and interdisciplinary perspectives. This report covers the period 2020-2021. Accordingly, this report focuses on the following, membership, website, meetings, fundraising, networking and publications.

B. Website

The website of the Commission is: <https://igucas.africa/>. All events (past, current and planned) will be displayed in this website).

C. Membership

The membership of the IGU-CAS can be broken down into two categories, which are the Steering Committee and corresponding members.

D. Steering Committee

1. Dr. Innocent Moyo (Chairperson)

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South Africa

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2. Dr. Christopher Changwe Nshimbi (Secretary)

DST-NRF RCA Research Fellow & Deputy Director: Centre for the Study of Governance Innovation (GovInn), Department of Political Sciences, University of Pretoria, Old College House, Private Bag X20, Hatfield 0028, Pretoria, South Africa,

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3. Dr Alain François LOUKOU (Deputy Chairperson)

Enseignant - Chercheur, Géographie des TIC / Lecturer, Geography of ICT UFR "Communication Milieu & Société", Université de Bouaké (Côte d'Ivoire / Ivory Coast) 12 BP 650 Abidjan 12, Côte d'Ivoire (Ivory Coast), GSM: 00 (225) 08 82 51 86 / 03 59 34 32

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5. Dr Augustin Chabossou, Centre d'Etudes,

de Formation et de Recherches en Développement (CEFRED), Faculté des Sciences Economiques et de Gestion Université d'Abomey Calavi (Bénin), Adresse postale : 04 BP 966

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7. **Dr. Ibrahima Sylla, Département de Géographie** de l'Université Cheick Anta Diop Dakar, Sénégal, Spécialité : Géographie des TIC et de la Société de l'information. Geography Department of the University Cheikh Anta Diop, Dakar, Senegal

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9. **Professor J.A.(Tony) Binns FRGS, FNZGS, FHEA**, Ron Lister Chair of Geography President, Commonwealth Geographical Bureau, Past President, New Zealand Geographical Society, Past President, The Geographical Association (UK), Series Editor, Routledge, *Perspectives on Development*, Chair, International Editorial Advisory Board, *Australasian Review of African Studies*, Department of Geography/Te Ihowhenua, University of Otago Te Whare Wananga o Otago, PO Box 56, Dunedin, 9054, NEW ZEALAND/ AOTEAROA email: jab@geography.otago.ac.nz, phone: +64-3-479-5356 (direct line), fax: +64-3-479-8706 (confidential), fax: +64-3-479-9037

10. Professor Hazel Barrett, Chair in Development Geography, Centre for Trust Peace and Social Relations, Coventry University, Priory street, Coventry, CV1 5FB. Email: gex037@coventry.ac.uk

E. Corresponding Members

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F. Summary of Membership

Country	Number of mebers
Algeria	3
Benin	1
Canada	11
Cameroon	1
Comoros	1
Egypt	13
England	1
Fiji	1
Germany	1
Ghana	7
Ivory Coast	7
Lesotho	1
Namibia	6
New Zealand	3
Netherlands	1
Nigeria	2
Portugal	1
South Africa	25
Uganda ³²	1
Tunisia	2
Zambia	6
Zimbabwe	7
TOTAL	104

NB: It should be noted that these are undercounted totals because, the number 1, only denotes the person in contact, but the activities of the Commission reach the whole country, of which A conference on the mobilisation of indigenous knowledge systems (IKS) so as to respond to climate change was held at the University of Zululand, South Africa



i. INTERNATIONAL CONFERENCE ON GEOGRAPHICAL SCIENCE FOR RESILIENT COMMUNITIES, ECOSYSTEMS AND LIVELIHOODS UNDER GLOBAL ENVIRONMENTAL CHANGE (GORILLA), 3 -5

DECEMBER, 2020 KAMPALA, UGANDA 2020; <https://gorilla.mak.ac.ug/about-gorilla-conference> This conference was organised by the IGU Commission of Biogeography and Biodiversity, the IGU Commission on African Studies, Uganda Geographical Association, IALE African Chapter, the National Environment Management Authority (NEMA) as well as local stakeholders in Uganda.



updated numbers are not currently available. For, example Lesotho has been indicated as showing only one person, but the reality on the ground is that the Commission activities have reached the whole country.

I. NETWORKING

The IGU-CAS has established a collaboration with the IGU Commission Geography of Governance. In 2020, the IGU Commission on African Studies worked with the IGU Commission of Biogeography and Biodiversity, Uganda Geographical Association, IALE African Chapter, the National Environment Management Authority (NEMA) as well as local stakeholders in Uganda in the organisation of the International Conference on Geographical Science for Resilient Communities, Ecosystems and Livelihoods under Global Environmental Change (GORILLA), 3 -5 December, 2020 Kampala, Uganda. In 2021, the IGU Commission on African Studies established collaboration with scholars from Fiji National University. In addition, the Commission also started working with Geographers from Mozambique.

J. PRODUCTIVE USE OF PREVIOUS IGU GRANTS

The IGU grant has been productively used to support young academics. For example, in the second annual conference of the IGU Commission on African Studies in 2019, a workshop was held for post graduate students. In addition to this, the attendance of post graduate students was subsidised.

K. FUTURE EVENTS

The IGU Commission on African Studies, plans to hold its 5th annual meeting in 2021, at the Universidade Eduardo Mondlane, Mozambique.

L. PUBLICATIONS

1. Moyo, I and Gumbo, T. 2021. Urban Informality in South Africa and Zimbabwe: On Growth, Trajectory and Aftermath. London: Springer.
2. Tshipaka, L.M, Nshimbi, C. C and Moyo, I.

2021. Regional Economic Communities and Integration in Southern Africa: Networks of Civil Society Organizations and Alternative Regionalism. Palgrave: London
 3. Moyo, I, Laine, J.P and Nshimbi, C.C. 2021 (Eds). Intra-Africa Migrations: Reimagining Borders and Migration Management. Routledge: London.
 4. Laine, J.P, Moyo, I, and Nshimbi, C.C.2021. Expanding Boundaries: Borders Mobilities and the Future of Europe-Africa Relations. Routledge.
 5. Aniche, E Alumona, I.M and Moyo, 2021. Regionalism, Security and Development in Africa. London: Routledge.
 6. Moyo, I Nshimbi, C.C and Laine, J (Eds). 2020. Migration Conundrums, Regional Integration and Development: Africa-Europe Relations in a Changing Global Order. London: Palgrave MacMillan.
 8. Nshimbi, C.C and Moyo, I (Eds). 2020. Borders, Mobility, Regional Integration and Development: Issues, Dynamics and Perspectives in West, Eastern and Southern Africa. London: Springer.
 9. Nshimbi, C.C, Moyo, I and Laine, J (Eds). 2020. Borders, Sociocultural Encounters and Contestations: Southern African Experiences in Global View. London: Routledge.
 10. The IGU Commission on African Studies published a conference proceeding in February 2020. The title is: Africa in the global imaginary: Towards internationally competitive science and research: Proceedings of the IGU Commission on African Studies Annual Conference, 17-19 June 2019, University of Zululand, South Africa. This can be accessed here: <http://uzspace.unizulu.ac.za/handle/10530/1991>
- Inocent Moyo (PhD). Chair: IGU Commission on African Studies 30 December 2021

AGLE COMMISSION REPORT 2021

A. Membership

Following are the details of the IGU-AGLE steering committee members, please find below my details:

Yan sui Liu,

Chair,

Professor, TWAS Fellow

Institute of Geographic Sciences and Natural Resources Research Chinese Academy of Sciences, China

Guy M Robinson Joint chair, Treasurer

Professor, School of Social Sciences University of Adelaide, Australia

Yuh eng Li Secretary,

Associate Professor,

Institute of Geographic Sciences and Natural Resources Research Chinese Academy of Sciences, China

Coline Perrin Professor

French National Institute for Agricultural Research (INRA), France

Michael Woods Professor

Department of Geography and Earth Sciences Aberystwyth University, UK

Hans Westlund Professor

School of Architecture and Built Environment Royal Institute of Technology (KTH), Sweden

Bob Nanes Executive director

Massachusetts Institute of Technology, ^{3U7} SA
Rajendra P. Shrestha Professor

School of Environment Resources and

Development Asian Institute of Technology (AIT), Thailand

Habibullah Magsi

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B. Meetings

a. The Fourth International Conference of the International Geographical Union (IGU) Commission on Agricultural Geography and Land Engineering (AGLE) was held online (planned to be held in Montpellier, France), March 24-26, 2021. Over 100 Scholars from 25 different countries participated in this conference.

The conference theme is “Thinking Urban-Rural interactions through Food and Land Use issues” which focuses on the analysis of urban-rural interactions by way of food and land issues.

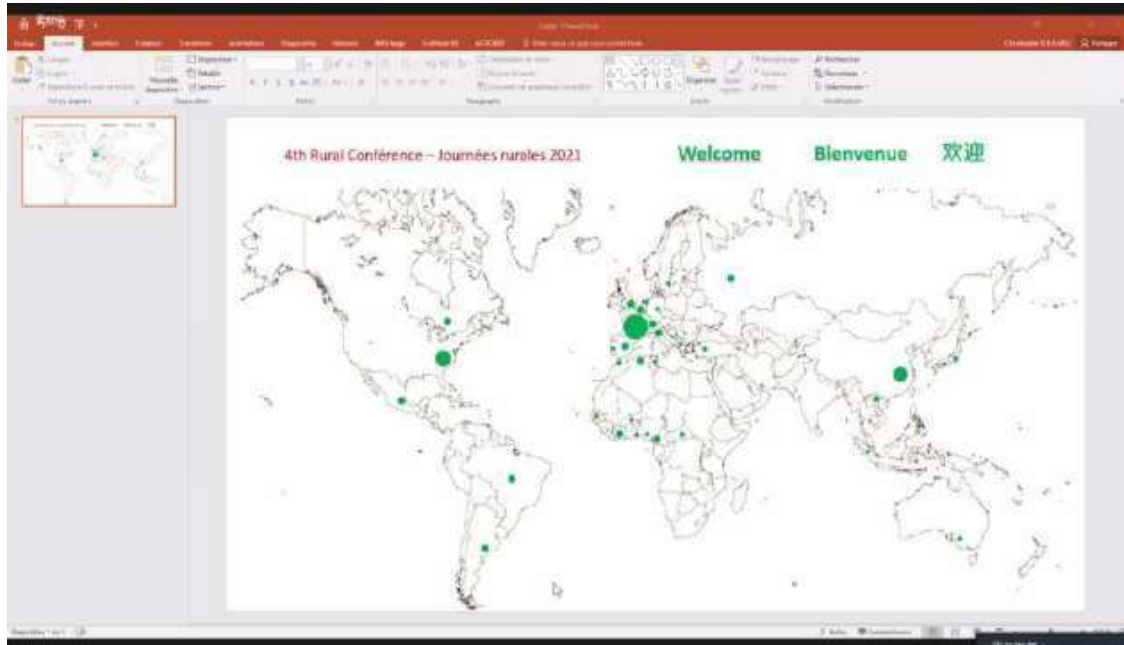


b. IGU-AGLE organizes the session at the Paris IGC in July 2022

Centennial Congress on the road to success.

Professor Guy, Liu and Li successfully applied for the session, which already puts the IGU Paris 2022

Title of the session: Global Sustainable^{3A8} agriculture and Land Management Systems



Reference of the submission: A101334GR

C. Networking

a. The IGU-AGLE chair Yansui Liu and his team visited Yang county, south Shaanxi Province, Dec. 4-5, 2021. There they communicated with local governments and reached an agreement to jointly establish a demonstration base of modern

agriculture and rural revitalization at Yang county. Besides, the Fifth International Conference of the International Geographical Union (IGU) Commission on Agricultural Geography and Land Engineering (AGLE) is planned to be held in Yang county in 2022.

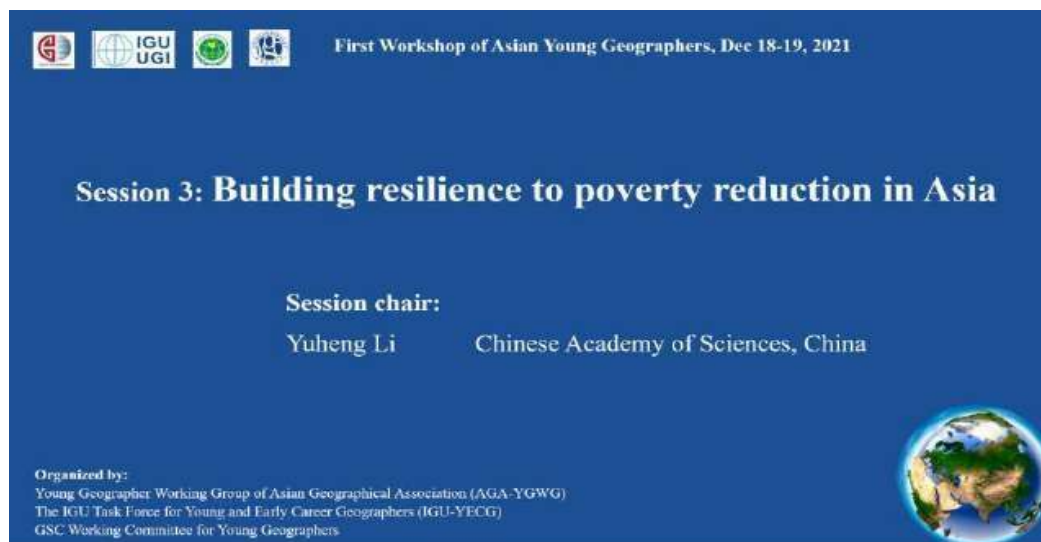


Field visit to IGU-AGLE research base at Yang county

b. The IGU-AGLE executive member Yuheng Li was invited to organize and chair a session with the topic “Building resilience to poverty reduction in Asia” which lists in the First Workshop of Asian Young Geographers, Dec. 18-19, 2021. The organizers include Young Geographer Working Group of Asian Geographical Association (AGA-

YGWG), The IGU Task Force for Young and Early Career Geographers (IGU-YECG) and Working

Committee for Young Geographers at The Geographical Society of China (GSC)



D. Publications

a. The IGU-AGLE chair, Yansui Liu published a book entitled “*Urban- Rural Transformation Geography*” at Springer Nature: Sustainable Development Goals Series (2021)

b. Yansui Liu edited a book entitled “*Typical Experience and Model of Poverty Alleviation in China*” at People's Publishing House (2021)

E. Archival Contributions

a. IGU-AGLE contributes two pieces news to the IGU Newsletters.

- Other IGU recent books

Urban-Rural Transformation Geography

This information appears in the IGU Newsletter October 2021

IGU-UGI-e-Newsletter-October-2021.pdf

- AWARDS

2020 Prize for Science and Technology of Land and Resources (China)

On October 5, 2021, the “Research on key technologies of comprehensive land consolidation in poverty-stricken areas around Beijing-Tianjin and its application in targeted poverty alleviation” hosted by Professor Yansui Liu, the Chairman of the IGU Commission Agriculture Geography and Land Engineering Commission of the International Geographical Union (IGU-AGLE) and the Fellow of The World Academy of Sciences (TWAS), was awarded the first prize of 2020 Prize for Science and Technology of Land and Resources of the Ministry of Natural Resources of the People’s Republic of China.

This information appears in the IGU newsletter October 2021

IGU-UGI-e-Newsletter-October-2021.pdf
Applied Geography Commission: Activity Report for 2020 and 2021

Membership

Committee Chair (2020 – 2024):

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Steering committee members (2020-2024):

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Jonathan Corcoran, School of Earth and Environmental Sciences, Faculty of Science, University of Queensland, Australia, jj.corcoran@uq.edu.au

Minh Kieu, Faculty of Engineering, University of Auckland, New Zealand, minh.kieu@auckland.ac.nz

Yan Liu, School of Earth and Environmental Sciences, The University of Queensland, Australia, yan.liu@uq.edu.au

Our group is comprised of 138 members from 27 countries:

Country	Number of members
Australia	5
Canada	2
Switzerland	1
Chile	1
China	4
Estonia	2
Finland	1
France	8
Greece	1
Ireland	2
Israel	22
Japan	2
Italy	2
South Korea	1
Netherlands	3
Norway	1
New Zealand	1
Poland	2
Portugal	1
Romania	1
Russia	1
Sweden	1
Tunisia	1
UK	39
USA	17
South Africa	1
Unknown	15
Total	138

Meetings

Sessions at the 34th IGC Congress, 16-20 August 2021

The Commission organised two sessions at the 34th IGC Congress, 16-20 August 2021, Istanbul. The papers submitted covered a rich variety of applied geography topics:

- Geotrauma Versus Social Pathology In Geographical Applied Research, Tomasz Wites (University Of Warsaw)
- Excessive Use Of Ground Water And Its Impact On Water Level, Anil Kumar (M.U., Bodh Gaya)
- Spatial Aspects Of The Supply–Demand Gap In Childcare Services

Following The Implementation Of A Comprehensive Support System For Children And Child-Rearing

In Japan, Yoshiki Wakabayashi (Tokyo Metropolitan University), Yoshimichi Yui (Hiroshima University), Mikoto Kukimoto (Oita University)

- Energy Vulnerability Of The City Of São Paulo, Gabriel José Mendonça De Azevedo (University Of São Paulo), Luis Antonio Bittar Venturi (University Of São Paulo)
- Familiar Strangers In Public Transport Networks: Detection, Measurement And Characterisation, Jonathan Corcoran (The University Of Queensland), Renee Zahnow (The University Of Queensland), Min Zhang (The University Of Queensland)

Sessions at the UGI-IGU Centennial Congress in Paris, 18-22 July 2022

The AGC is organising two sessions at the UGI-IGU Centennial Congress in Paris, 18-22 July 2022 with the theme of Modelling Individual Behaviour In An Applied Geography.

Context

Abstract

Individual level data is becoming increasingly available for research purposes. This takes the form of more traditional datasets such as surveys and census microdata as well as emerging 'digital footprint' data such as those produced by mobile phones, wearable technology (e.g. accelerometers), store card transactions and travel cards. Alongside this plethora of data, there also exist established and emerging methods for creating representative synthetic data which can be used for research purposes.

In order to utilize these datasets, a range of methods exist which can be used to undertake analysis and provide insight. These include, but are not limited to Agent Based Models (ABMs), Microsimulation Models, survey data analysis methods and GIS based methods. Methods also exist for creating spatially representative synthetic data based on these datasets, for example spatial microsimulation models are often used to reweight non-spatial survey microdata.

This session is focused on the modelling of individual behavior and the use of individual level data to provide broader insights in to societal outcomes. Individual level in this context is broadly defined, it could be people, households or any other entity which can be modelled as a single unit of analysis. Submissions are welcome which articulate how these methods and models are utilized to provide insight in an applied context. The application areas of research concerned with individual level modelling are broad, spanning transport, health, employment, education and beyond so this session seeks to capture this breadth.

Submissions which clearly articulate how methods are applied to these datasets to provide insight in to behavior or societal outcomes are particularly welcome.

The session format will consist of presentations with time for questions and answers. Submissions are encouraged to make use of innovative visual methods and as such video exemplars, demonstrations of models in action and other interactive forms of presentation are welcome.

This session will be delivered in a face-to-face setting where possible.

Plans for 2023-2024 standalone conference and events The AGC are currently consulting with members about a standalone conference in 2023, with a number of options for location being considered. A second objective is to actively engage with at least one other IGU Commission to sponsor a joint meeting in the 2023-2024 period.

Publications

Journal Special Issue

The AGC has compiled a Special Issue for the journal *Applied Spatial Analysis and Policy*, published by Springer, entitled "Contemporary applications for spatially integrated social science", published in September 2021. The Special Issue comprises six original research articles and an editorial from members of the AGC steering committee.

The editorial (Corcoran *et al.* 2021) sets out the aim of the special issue, "*to bring together recent scholarship that serve to highlight the breadth of research undertaken at the interface of the social and spatial sciences.*"

The range of papers published in the special issue represents the breadth of contemporary Applied Geography topics currently being researched by group members. Mulligan (2021) examines how the pattern of patents issued in urban areas across the United States have changed over a 25-year period. Kimpton (2021) examines urban mobility at park and ride facilities for the car dependent city of Brisbane. Murray *et al.* (2021) use a spatial analytic approach to examine geographic variation in risk of flooding, flash floods, mudslides and debris flows in Santa Barbara, California. Borsellino *et al.* (2021) examine the visitation dynamics of third places across a large metropolitan university campus.

James *et al.* (2021) use geodemographic analysis to understand the patterns and trends of meat expenditure and consumption in the United Kingdom. Wang *et al.* (2021) examine settlement pathways and residential migration patterns of

mainland-China born migrants in Australia using WeChat data. Paper references

1. Borsellino, R., Charles-Edwards, E. & Corcoran, J. A Toolkit for Measuring Visitation in ThirdPlaces. *Appl. Spatial Analysis* **14**, 547–562 (2021). <https://doi.org/10.1007/s12061-020-09372-1>
2. Corcoran, J., Lomax, N. & Lombard, J. Contemporary Applications For Spatially Integrated Social Science. *Appl. Spatial Analysis* **14**, 445–447 (2021). <https://doi.org/10.1007/s12061-021-09425-z>
3. James, W.H., Lomax, N., Birkin, M. *et al.* Geodemographic Patterns of Meat Expenditure inGreat Britain. *Appl. Spatial Analysis* **14**, 563–590 (2021). <https://doi.org/10.1007/s12061-020-09344-5>
4. Kimpton, A. Explaining the Railheading Travel Behaviour with Home Location, Park ‘N’ RideCharacteristics, and the Built Environment to Strengthen Multimodalism. *Appl.Spatial Analysis* **14**, 525–546 (2021). <https://doi.org/10.1007/s12061-020-09361-4>
5. Mulligan, G.F. Revisiting Patent Generation in U.S. Metropolitan Areas: 1990–2015.
6. *Appl.Spatial Analysis* **14**, 473–496 (2021). <https://doi.org/10.1007/s12061-020-09354-3>
7. Murray, A.T., Carvalho, L., Church, R.L. *et al.* Coastal Vulnerability under Extreme Weather.
8. *Appl. Spatial Analysis* **14**, 497–523 (2021). <https://doi.org/10.1007/s12061-020-09357-0>

9. Wang, S., Liu, Y., Sigler, T. *et al.* Using WeChat Data to Understand Residential Mobility of Mainland China-Born Migrants in Australia: A Segmented Assimilation Perspective. *Appl. Spatial Analysis* **14**, 703–729 (2021). <https://doi.org/10.1007/s12061-020-09368-x>

Edited Book

The Commission led on an edited book entitled, ‘Big Data Applications in Geography and Planning: An Essential Companion,’ published in May 2021.

Birkin, M., Clarke, G., Corcoran, J. and Stimson, R. eds., 2021. *Big Data Applications inGeography and Planning: An Essential Companion*. Edward Elgar Publishing.

The book, through a collection of case studies, demonstrates the utility of utility of big dataapproaches in human geography and planning.

The up-to-date committee website can be found here: [https:// agcigu.wordpress.com/](https://agcigu.wordpress.com/)

Productive Use of previous IGU grant

The last time that the Commission utilised the IGU grant was to offset the cost of attendance for four young scholars at the annual meeting in L’Aquila, Italy on June 17-19,2019. We intend to utilise the grant for similar purposes for the UGI-IGU Centennial Congress in Paris and in the44organisation of a standalone meeting for the AGC in 2023.

C12.03 COMMISSION ON BIOGEOGRAPHY AND BIODIVERSITY REPORT 2021

Submitted to the Interim Secretary-General International Geographical Union (IGU) Prof. Dr. Barbaros Gönencgil by Dr. Suraj Mal Chair: Commission on Biogeography and Biodiversity Dr. Maria Bobrowski Vice-Chair: Commission on Biogeography and Biodiversity Supported by the steering committee of the IGU Commission on Biogeography and Biodiversity

Officers:

Chair: Dr. Suraj Mal, Shaheed Bhagat Singh College, University of Delhi, India, suraj.mal@sbs.du.ac.in

Vice-Chair: Dr. Maria Bobrowski, University of Hamburg, Germany, maria.bobrowski@uni-hamburg.de

Outline

The annual report of our commission, i.e., Biogeography and Biodiversity, is presented in the following five sections:

1. Membership
2. Meetings
3. Networking
4. Membership
5. Steering Committee Members
6. Publications
7. Archival contributions

The following colleagues had been appointed as steering committee members of the IGU Commission on Biogeography and Biodiversity for the period 2016-2020:

Dr. Suraj Mal (Chair), Department of Geography, Shaheed Bhagat Singh College University of Delhi, India. Email: suraj.mal@sbs.du.ac.in

Dr. Maria Bobrowski (Vice-Chair), Department of Geography, University of Hamburg, Bundesstr. 55, 20146 Hamburg, Germany, Ph.: +49 428384911, Email: maria.bobrowski@uni-hamburg.de

Prof. Dr. Kazuharu Mizuno, Department of Geography, Graduate School of Letters, Kyoto University, Japan, Ph. Email: mizuno.kazuharu.7n@kyoto-u.ac.jp.

Prof. Dr. Zerihun Woldu, Department of Plant Biology and Biodiversity Management, Director of Research of Addis Ababa University, College of Natural Sciences, Addis Ababa University, Ethiopia. Email: zerihun_woldu@yahoo.com.

Prof. Dr. Ram Prasad Chaudhary, Emeritus Professor, Tribhuvan University, Kirtipur (TU), Kathmandu, Nepal. Coordinator, MAB Committee, Nepal National Commission for UNESCO. Email: am@cdbtu.wlink.com.np

Prof. Dr. John Sinclair, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba, Canada, Ph. Email: john.sinclair@umanitoba.ca.

Dr. Harald Pauli, Head of the GLORIA coordination; Austrian Academy of Sciences, Institute for Interdisciplinary Mountain Research & University of Natural Resources and Life Sciences, Vienna (BOKU), Center for Global Change and Sustainability, Vienna, Austria. Email: harald.pauli@oeaw.ac.at.

Prof. Dr. Arkady Tishkov, Russian Academy of Sciences, Institute of Geography, Staromonetny per., 29, Moscow 119017, Russia. E-mail: tishkov@biodat.ru.

Prof. Dr. Monica Dumitrascu, Institute of Geography, Romanian Academy 12, Dimitrie

Racovita,sect. 2, Bucharest.

Email: stefania_dumitrascu@yahoo.com.

Dr. Ana Sabogal, Pontifical Catholic University of Peru | PUCP, Faculty of Liberal Arts and Humanities, Lima, Lima, Peru, Director Maestria Desarrollo Ambiental, Coordinador Sección Geografía en Pontificia Universidad Catolica del Perú, E-mail: asabogal@pucp.pe.

Dr. Maksim Kulikov, University of Central Asia, 138 Toktogul Street, 720001, Bishkek, Kyrgyz Republic, Kyrgyzstan. Email: maksim.kulikov@ucentralasia.org

Dr. Antje Burke, Enviroscience Namibia, Windhoek Namibia. Email: enviroscience@gmx.com Prof. B.W. Pandey (Secretary), Department of Geography, Delhi School of Economics,

University of Delhi, India. Email: bwpdsegeo@gmail.com

IGU Liaison 47 Prof. Dr. Udo Schickhoff, Department of Geography, University of Hamburg, Bundesstr. 55, 20146Hamburg, Germany, Ph.: +49 428384911, Email: udo.schickhoff@uni-hamburg.de

Current Corresponding Members

Current corresponding members of the Commission on Biogeography and Biodiversity are listed below, arranged by countries. This membership list has more than 260 members currently but does not include numerous delegates from respective host countries attending the annual meetings.

Argentina

Alessandro, M.B., Mendoza

Australia

Kull, C.A., Clayton; Millington, A., Adelaide, Carter, J., Queensland.

Austria

Geitner, C., Innsbruck; Grabherr, G., Vienna; Pauli, H., Vienna

Brazil

Melo e Souza, R., Aracaju; Rezende da Silva, S., Sao Paulo; Tavares Rocha, Y., Sao Paulo

Canada

Mitchell, S., Ottawa; Sinclair, J., Winnipeg; Tews, J., Ottawa

Chile

Cabalar Fuentes, M., Santiago; Quintanilla, V., Santiago; Rojas, C., Concepcion

China

Cai, Y., Shanghai; Chen, R., Shanghai; Ming, J., Zhangye; Ren, Z., Beijing; Venevsky, S., Beijing; Zhang, X., Beijing;

Costa Rica

Gutierrez, MG

Egypt

Moatamed, A., Egypt

Ethiopia

Bekele, T., Shashemene; Desta, H., Addis Ababa; Woldu, Z., Addis Ababa

Finland

Hietala, R., Turku

Georgia

Gegechkori, A., Tbilisi

Germany

Albrecht, C., Giessen; Anhuf, D., Passau; Audorff, V., Bayreuth; Baranova, A., Hamburg; Becht, M., Eichstätt; Beierkuhnlein, C.; Bayreuth; Bittner, T., Bayreuth; Block, J., Erlangen; Block, M., Erlangen; Bobrowski, M., Hamburg; Böhling, N., Kirchheim u. Teck; Böhmer, H.J., Bonn; Borchardt, P., Hamburg; Bräuning, A., Erlangen; Bürzle, B., Hamburg; Chmielewski, F.M., Berlin; Cikovac, P., Köln; Deil, U., Freiburg; Dlugosz, A., Trier; Dotter, D., Regensburg; Dulams, C., Göttingen; Ehlkes, L., Hamburg; Engwald, S., Frankfurt a.M.; Fartmann, T., Münster; Faude, U., Bonn; Feilhauer, H., Erlangen; Filz, K., Trier; Finch, O.D., Oldenburg; Fränzle, O., Kiel;

Friedmann, A., Augsburg; Gawlik, J., Erlangen; Gebel, M., Dresden; Gebhardt, H., Karlsruhe; Glawion, R., Freiburg i.Br.; Gleich, A., Erlangen; Griessinger, J., Erlangen; Hahn, I., Münster; Harter, D., Bayreuth; Hochhut, E.S., Mainz; Hohnwald, S., Göttingen; Holler, S., Hamburg; Hölzel, N., Münster; Hoppe, F., Hamburg; Jaeschke, A., Bayreuth; Jahan, R., Hamburg; Jedicke, E., Karlsruhe; Jentsch, A., Bayreuth; Jungkunst, H., Göttingen; Jurasinski, G., Rostock; Kappas, M., Göttingen; Karl, H.V., Göttingen; Kiehl, K., Freising; Kreft, H., Göttingen; Kreyling, J., Bayreuth; Krummel, T., Göttingen; Kuhlmann, M., Münster; Kuhn, E., Gackenbach; Küster, H., Hannover; Lange, J., Greifswald; Lembeck, R., Hamburg; le Mellec, A., Göttingen; Lingenhöhl, D., Erlangen; Link, M., Gießen; Löffler, J., Bonn; Loos, G.H., Oberhausen; Lötters, S., Trier; Löw, A., Hamburg; Mahecha, M., Jena; Menz, G., Bonn; Metzger, D., Oldenburg; Meyn, A., Potsdam; Miehe, G., Marburg; Mühlner, S., Leipzig; Müller-Hohenstein, K., Bayreuth; Nagy, L., Bayreuth; Najmi, U., Greifswald; Neff, C., Karlsruhe; Nezadal, W., Erlangen; Nüsser, M., Heidelberg; Nutz, L., Karlsruhe; Pape, R., Bonn; Peters, M., München; Peters, T., Erlangen; Platten, H., Koblenz; Poschwitz, H., Frankfurt a.M.; Pott, R., Hannover; Reimer, F., Bonn; Reiss, M., Marburg; Reu, B., Leipzig; Richter, M., Erlangen; Rödder, D., Bonn; Rollenbeck, R., Mannheim; Runkel, U., Trier; Russow, F., Bensheim; Samimi, C., Bayreuth; Sattler, D., Leipzig; Scheid, A., Karlsruhe; Schickhoff, U., Hamburg; Schiller, H., Eitorf; Schlütz, F., Göttingen; Schmidlein, S., Karlsruhe; Schmitt, T., Bochum; Schmitt, E., Giessen; Schröder, H., Erlangen; Schröder, B., Mannheim; Schröder, B., Rostock; Schulz, E., Würzburg; Schulz, N., Erlangen; Schwab, N., Hamburg; Schwabe, B., Erlangen; Siewert, A., Hamburg; Steinbauer, M., Bayreuth; Steinecke, K., Bremen; Stenzel, S., Bonn; Strewe, R., Bad Zwischenahn; Sturm, H.J., Frankfurt a.M.; Szarzynski, J., Mannheim; Thannheiser, D., Hamburg; Treter, U., Erlangen; Vanselow, K.A., Erlangen; Vater, G., Berlin; Venzke, J.F., Bremen; Veste, M., Hamburg; Völkel, J., Regensburg; Wehberg, J.-A., Hamburg; von Wehrden, H., Halle/Saale; Wagner, F., Bremen; Wallossek, C., Köln; Weiß, W., Erlangen; Weis, M., Freiburg; Wellstein, C., Bayreuth; Werner, W., Heidelberg;

Werner, M., Mainz; Wesenberg, J., Leipzig; Wilmsking, M., Greifswald; Wollesen, D., Bochum; Zemmrich, A., Greifswald; Kurse, L., Betz, F.

Great Britain

Hill, J., Bristol; Jones, B., Oxford; Syfert, M., Cambridge

Hungary

Szemethy, L. Hungary.

India

Bhardwaj, M., Lucknow; Bhat, M.S., Srinagar; Chauhan, D., Jaipur; Chauhan, G.S., Bhopal; Das, S.A., Mysore; Dekka, D., Guwahati; Eswarappa, B., Bangalore; Fazal, S., Aligarh; Jana, N., Bardwan; Jayakumar, K.V., Kozhikode; Jeet, I., Jammu; Kala, C.P., Kosi-Katarmal; Kanth, T.A., Srinagar; Khuroo, A., Srinagar; Kishan, B., Hyderabad; Kumar, A., Delhi; Kumria, P., Delhi; Maithani, D.D., Srinagar (Garhwal); Mal, S., Delhi; Dehradun; Nagabhushanam, N., Tirupati; Nandeshwar, M.D., Kozhikode; Negi, V.S., Delhi; Pandey, U.N., Bilaspur; Panwar, M.S., Srinagar (Garhwal); Pathak, M., Bhurkura; Prasad, R., Jaipur; Rahman, M.; Gauhati; Sarkar, A., Delhi; Sharma, P., Gauhati; Sharma, V.R., Delhi; Singh, M., Rohtak; Singh, P.K., Lucknow; Singh, R.B., Delhi; Sreekesh, S., Delhi; Srinagesh, B., Hyderabad; Suresh, M., India; Tiwari, V.K., Bilaspur; Wodeyar, A.K., Bangalore; De, J., Calcutta; Shah, M.B., Imphal; Singh, B.V.R., Rajasthan; Biswasroy, M. West Bengal; Upadhyaya, H. Lucknow; Varghese, N. Delhi; Dutta, S. West Bengal; Praveen, U., Delhi;

Hungary

Szemethy, L., Hungary;

Ireland

Taylor, D., Dublin

Japan

Fujita, T., Kyoto; Kimoto, K., Hiroshima; Koarai, M., Tsukuba; Mizuno, K., Kyoto; Teshirogi, K., Tokyo; Kazuharu, K., Kyoto; Wang, R. Tsukub;

Kyrgyzstan

Kulikov, M., Bishkek; Laskov, G., Bishkek; Usupbaev, A., Bishkek

Mexico

Patricia, P., Guadalajara; Velázquez, J.A., Mexico City

Mongolia

Damdinsuren, O., Khovd

Myanmar

Mar Yee, K., Yangon

Namibia

Bethune, S., Windhoek; Curtis, B., Windhoek; Joubert, D.F., Windhoek

Nigeria

M. Fasona, Lados;

Neatherlands

Clec'h, S.C. Wageningen;

New Zealand

Wearing, A., Dunedin

Nigeria

Aweto, A., Ibadan

Norway

Lundberg, A., Bergen, Vetaas, O., Bergen

Poland

Bokwa, A., Krakow; Dudek, A., Warsaw

Romania

Baltescu-Socol, O., Bucarest; Grigorescu, I., Bucarest; Romanescu, G., Iasi

Russia

Alekseeva, N., Moscow; Belonovskaya, E., Moscow; Dikareva, T.V., Moscow; Kharuk, V. I., Krasnoyarsk; Makhinov, A.N., Khabarovsk; Milanova, E., Moscow; Petrushina, M., Moscow; Sorokin, L. V., Moscow; Tishkov, A.A., Moscow; Zolotov, D., Barnaul., Dmitry Ganyushkin, St Petersburg; Marina Petrushin, Moscow;

Slovenia Valjavec, M.W. Koper; Ribeiro, D. Koper; Zupan, S, Koper

South Africa

Mukwada, G., Phuthaditjhaba

Spain

Infante Fabres, N.O., Barcelona; Lozano Valencia, P.J., San Sebastian

Switzerland

Beck, J., Basel; Brügger, R., Bern; Jeanneret, F., Bern; Nagel, P., Basel; von Fumetti, S., Basel; Vonlanthen, C., Bern; Wolf, S., Zürich, Simon K Allen, Zurich.

Thailand

Schmidt-Vogt, D., Bangkok

Tunisia

Ayache, F., Sousse; Mondher, C., Manouba

Uganda

Benita, R., Kampala

Ukraine

Gerasimenko, N., Kiev

Uruguay

Gonzalez-Gervasio, A., Montevideo

USA

Blumler, M., Binghamton; Hessing-Lewis, M., Corvallis; Mishra, N. B., Wisconsin

Vietnam

Pham Binh, T., Ha Noi

West Indies

J. Jacob, Jamaica

2. Meetings

2.1. Meetings (Conferences/Seminars) collaborated/participated in 2021

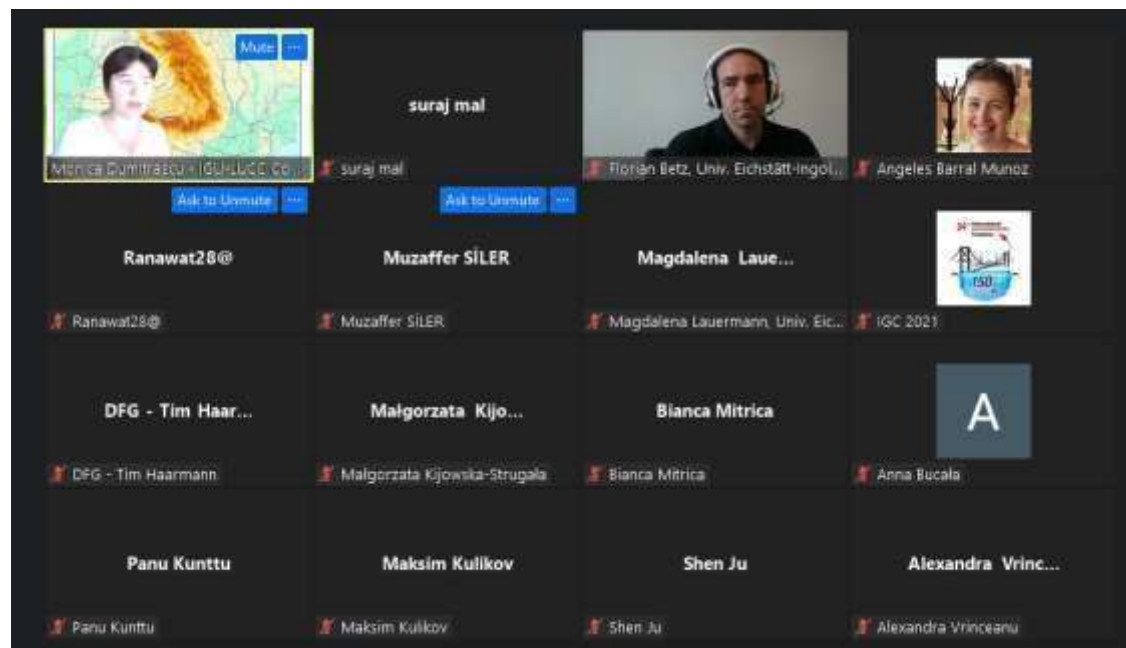
34th International Geographical Congress (IGC) Conference On Geography: Bridging The Continents, Istanbul, Turkey During 16- 21

August, 2021.

Our commission actively participated in the IGC Istanbul conference. The conference was jointly organized by Istanbul University, the Turkish Geographical Society, and IGU with a focus on Geography: Bridging the Continents. Our commission had the following sessions and papers scheduled.

Session 1: Land use/cover change impacts on the mountain landscape (Chair: Suraj Mal)

- Land use/cover change impacts in the Romanian Carpathians: Insights from selected protected areas by Monica Dumitraşcu, Gheorghe Kucsicsa, Dan Balteanu, Ana-elena Popovici, Ines Grigorescu, Alexandra Vrinceanu, Cristina Dumitrica.
- Derivation of flood plain habitats from remote sensing data in the Naryn Basin, Kyrgyzstan by Magdalena Lauermaun, Florian Betz, Bernd Cyffka

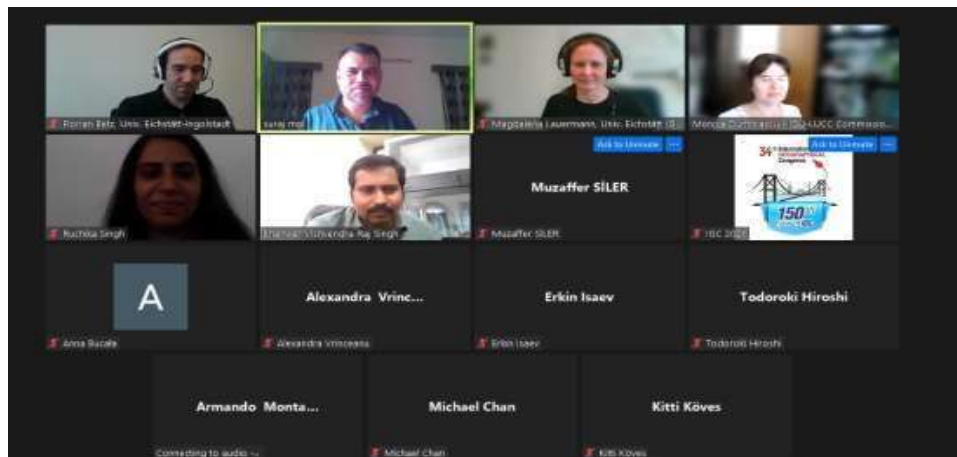


- Importance of parent material on the natural regeneration and spreading of ASPEN (Populus Tremulal.) in Erciyes mountains, Central Anatolia by Ibrahim Atalay, Hüseyin Kozan, Refik Gündüz, Uğur Efe, Özdal Yağan, Sevdal Altunbaş, Muzaffer Siler

Participants in our commission session

Session 2: Mountain ecosystem responses to climate change (Chair: Suraj Mal)

- Changes of Shunkalpa glacier during the past century (1886-2017) in the central Himalaya, India by Suraj Mal, Udo Schickhoff, Manish Mehta and RB Singh
- Sensitivity and Response of a Himalayan near-natural treeline to climate change by Niels Schwab, Karolina Janecka, Ryszard J. Kaczka, Jürgen Böhner, Ram Prasad Chaudhary, Thomas Scholten, Udo Schickhoff
- Climate change in extreme microsystems: An example in microbialites Andean Lakes by Patricio Guillermo Villafañe, Carlos Cónsole-gonella, Leonardo Fadel Cury, Maria Eugenia Farias
- Vegetation trend analysis in Batken Oblast of Kyrgyzstan by Maksim Kulikov



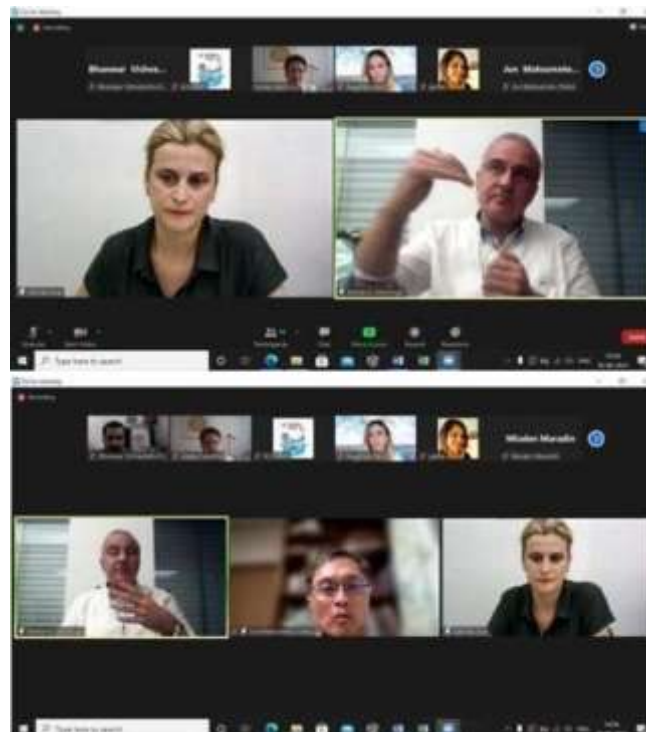
Participants in our commission session

Session 3: Recent developments and expansions in Biogeography (Chair: Udo Schickhoff) Human-wildlife conflicts in the tiger corridor of Rajasthan: Case study of Ranthambore, India by Bhanwar Vishvendra Raj Singh

- Comparative assessment of carbon sequestration potential of terminalia Superba Engl. & Diels and nauclea diderrichii (De Wild & T. Durand) Merrill. Plantations in

forestry research institute of Nigeria, Ibadan, Oyo State by Bolanle Lisa Olajiire- ajayi, Adeniyi Sulaiman Gbadegesin, Adegoke Adejimi

- Biogeomorphology from space: Assessing the dynamic interaction between hydro-geomorphology and vegetation along the Naryn River in Kyrgyzstan based on dense satellite imagery time series by Florian Betz, Magdalena Lauermann, Gregory Egger, Bernd Cyffka



Participants in our commission session (Source: Dr. BVR Singh)

2.2. Forthcoming Conferences/Seminars to be Supported/Collaborated by Our Commission In

2022

2.2.1. IGC Paris “The Time for Geographers: The Centennial Congress” is scheduled to be held in Paris-France on 18-22 July 2022. Our commission has proposed the following sessions and are accepted.

- Mountain Ecosystem Responses to Climate and Land use change.
- Geography of Nature in the 21st Century: An Epistemology for the Anthropocene
- Development of Biogeography
- Dynamic Narratives and trends in biodiversity conservation and sustainable development
- Ecouter Et Entendre Le Territoire En Temps De Changements : Que Nous Disent Les Sons Des Dynamiques Et Des Interactions Entre Sociétés Et Environnement ?⁵³
- Environnements Et Covid : Vers De Nouvelles Relations Aux Vivants 2nd GORRILA Conference in Kampala, Uganda in December 2022 is already under the planning phase. The commission on Biogeography and Biodiversity, African Studies, and Geography of Future earth have agreed to collaborate in this scientific event. More details will be available soon.

2.2.3. IGU thematic conference on Sustainability, Future earth, and Humanities: Opportunities and Challenges is scheduled to be held in Central University of Haryana, India from 24th to 25th November 2022. In this event, in addition to our commission, 15 other IGU commissions are collaborating. Here is the link for the conference <https://igu2022.cuh.ac.in/index.php>

2.3. FORTHCOMING

TRAINING/CAPACITY-BUILDING PROGRAM TO BE SUPPORTED/COLLABORATED BY OUR COMMISSION IN 2022

2.3.1. We are planning a two-day workshop/training on Vegetation health and snow

cover dynamics for early Ph.D. students during the IGU thematic conference on Sustainability, Future earth, and Humanities: Opportunities and Challenges is scheduled to be held in Central University of Haryana, India from 24th to 25th November 2022.

2.3.2. There is also a plan to do a capacity-building program for the young researchers at the proposed 2nd GORRILA Conference in Kampala, Uganda in December 2022. This is however at a very early stage. More details will be available soon.

3. Networking

During 2021, there were not many activities amid COVID-19. Therefore, there has not been much development on the networking aspects in 2021. However, in the year 2022, we are committed to speeding up our commission activities, as the Covid situations have slightly improved. We are already collaborating with many IGU commissions in the IGU thematic conference on Sustainability, Future earth, and Humanities: Opportunities and Challenges is scheduled to be held in Central University of Haryana, India from 24th to 25th November 2022. The commission on Biogeography and Biodiversity, African Studies, and Geography of Future earth will collaborate through 2nd GORRILA Conference in Kampala, Uganda in December 2022.

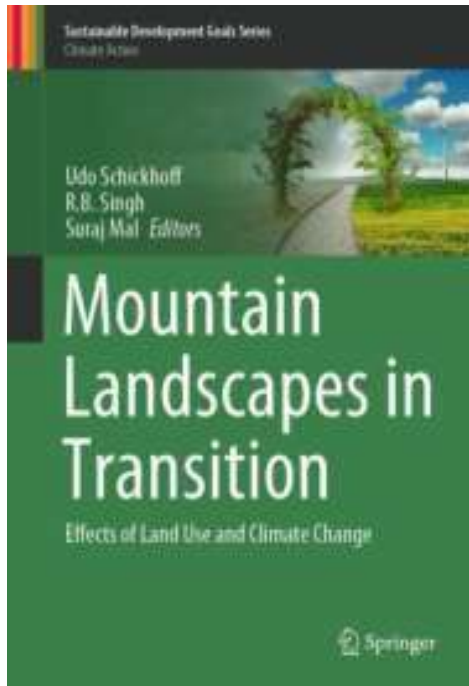
We are continuously working to engage and collaborate with new scientific organizations, particularly in developing and under-developed countries e.g. in Africa.

4. Publications

The following section provides some of the important publications that our commission members are part of. Also, some collaborative works with other commissions are provided.

- Schickhoff, U., Singh, R., Mal, S. (Eds.), 2021. Mountain Landscapes in Transition - Effects of Land Use and Climate Change. Springer Nature Switzerland AG. doi:<https://doi.org/10.1007/978-3-030-70238-0>. This volume explores the Climate and

Land-use change effects on the world mountains with specific case studies. Further information about the publication can be found at <https://www.springer.com/gp/book/9783030702373>



Source: <https://link.springer.com/book/10.1007/978-3-030-70238-0>

- A special issue “Mountains in Transition” under the “MDPI” Journal “Land” is open for submission, where Prof. Dr. Udo Schickhoff, Dr. Suraj Mal, Dr. Maria Bobrowski and Dr. Seema Rani are the editors for this special issue. The special issue invites contributions mainly focusing on, Historical and future climate change, climate change impacts on mountain cryosphere and hydrosphere, human population dynamics/causes and effects of migration, land use/cover changes, effects of climate and land- use change on mountain biosphere, and biodiversity, hazards-diasters-vulnerability, and risks in the mountains, agro-system changes, and crop diversity, impacts of infrastructure development in mountains, indigenous/ local knowledge and conservation practices. Here is the link with details of the special issue https://www.mdpi.com/journal/land/special_issues/Mountains_Transition

- We are also in the process of a special issue on Sustaining Himalayan Environment and Future Earth with the International Journal of Ecology and Environmental Sciences, where Suraj Mal (Biogeography and Biodiversity Commission) and Pankaj Kumar (Assitant Secretary-General, IGU, and Commission on Mountain Studies) are the guest editors. The special volume is in the final stage and should be published soon.

- Bobrowski, M., Weidinger, J., Schickhoff, U., 2021a. Is New Always Better? *Frontiers in Global Climate Datasets for Modeling Treeline Species in the Himalayas*.

Atmos. . <https://doi.org/10.3390/atmos12050543>

- Bobrowski, M., Weidinger, J., Schwab, N., Schickhoff, U., 2021b. Searching forecology in species distribution models in the Himalayas. *Ecol. Modell.* 458, 109693. <https://doi.org/https://doi.org/10.1016/j.ecolmodel.2021.109693>

- Mal, S., Allen, S.K., Frey, H., Huggel, C., Dimri, A.P., 2021. Sectorwise Assessment of Glacial Lake Outburst Flood Danger in the Indian Himalayan Region. *Mt. Res.*

Dev. 41. <https://doi.org/10.1659/MRD-JOURNAL-D-20-00043.1>

- Shugar, D.H., Jacquemart, M., Shean, D., Bhushan, S., Upadhyay, K., Sattar, A., Schwanghart, W., McBride, S., de Vries, M.V.W., Mergili, M., Emmer, A., Deschamps-Berger, C., McDonnell, M., Bhambri, R., Allen, S., Berthier, E., Carrivick, J.L., Clague, J.J., Dokukin, M., Dunning, S.A., Frey, H., Gascoin, S., Haritashya, U.K., Huggel, C., Kääb, A., Kargel, J.S., Kavanaugh, J.L., Lacroix, P., Petley, D., Rupper, S., Azam, M.F., Cook, S.J., Dimri, A.P., Eriksson, M., Farinotti, D., Fiddes, J., Gnyawali, K.R., Harrison, S., Jha, M., Koppes, M., Kumar, A., Leinss, S., Majeed, U., Mal, S., Muhuri, A., Noetzli, J., Paul, F., Rashid, I., Sain, K., Steiner,

J., Ugalde, F., Watson, C.S., Westoby, M.J., 2021. A massive rock and ice avalanche caused the 2021 disaster at Chamoli, Indian Himalaya. *Science* (80.). 373, 300–306. <https://doi.org/10.1126/science.abh4455>

- Mal, S., Dimri, A.P., Jeelani, G., Allen, S.K., Scott, C.A., Arora, M., Banerjee, A., Lone, S.A., 2021. Determining the quasi monsoon front in the Indian Himalayas. *Quaternary International*. doi:<https://doi.org/10.1016/j.quaint.2021.02.010>
- More publications from the commission executive members can be found on the following links. <https://www.researchgate.net/profile/Maria-Bobrowski>, <https://www.researchgate.net/scientific-contributions/Kazuharu-MIZUNO-26321270>, <https://www.researchgate.net/profile/Woldu-Zerihun-2>, <https://www.researchgate.net/profile/Ram-Chaudhary>, [https://www.researchgate.net/scientific-contributions/A-John-Sinclair-](https://www.researchgate.net/scientific-contributions/A-John-Sinclair-37539411)



A. Membership

Full Members

IGU Commission/Task Force report for 2020-2021

COMMISSION ON CLIMATOLOGY

2022/01/10

Chair:

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Burke-83581308, <https://www.researchgate.net/profile/Ana-Sabogal>.

5. Archival contributions

The commission each year prepares and provides an annual report to the Secretary, IGU. Besides, we request the lead or contact person of the scientific activities, conferences, and training supported by our commission/collaborated to provide short reports, which are archived on the commission website. These reports can be accessed from the conference website (<http://www.igubiogeography.in/index.html>)

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Guillaume Fortin

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Jennifer Salmond Faculty of Science, School
of Environment University of

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Auckland 1142

New Zealand S. Gregory (U. K.), M. Domroes
(Germany), L. Nkemdirim (Canada) and Z.
Ustrnul (Poland). **SENIOR MEMBERS:**

A. Douguedroit (France), R. Brazdil (Czech
Republic), T. Mikami (Japan), N. Tapper
(Austria),

R. S. Pulwarty (USA)

B. Meetings

a. The meetings organized in 2020-21

COVID-19 pandemic situation enforced intensive
on-line contact as the usual possibility of
organizing business meetings during IGU
conferences was suspended. Except for time
differences, as tested in 2020, in 2021 two on-line
Commission business meetings were organized.

CoC Business Meeting 1 – 14th July 2021

The first CoC business meeting was held on 14th
July 2021, from 11:00 to 12:00 UTC. The meeting
was conducted via the Zoom web meeting system
and was devoted mostly to incoming Istanbul
Congress (sessions arrangements) and planned
Paris 2022 event. Meeting participants were: CoC
SC members: Jun Matsumoto (SC Chair), Hadas

Saaroni (Vice-Chair), Zahide Acar, Francisco Mendoca, Agnieszka Wypych, Ana Monteiro, Babatunde Abiodun, Yoshihiro Iijima (Secretary), Observers: Barbaros Gönençgil (Vice President of IGU, Head of LOC 2021 IGC Istanbul).

CoC Business Meeting 2 – 19th August 2021

The second CoC business meeting was held on 19th August 2021, from 13:40 to 14:40 UTC during International Geographical Congress Istanbul. The meeting was conducted via the Zoom web meeting system. Meeting participants were: CoC SC members: Jun Matsumoto (SC Chair), Hadas Saaroni (Vice-Chair), Agnieszka Wypych, Babatunde Abiodun, Guillaume Fortin, Yoshihiro Iijima (Secretary).

- b. A brief summary of the topics addressed at the meeting

In the CoC meeting held on **14th July 2021**, discussions were held regarding 1) Session program in the Istanbul IGC2021, 2) Session proposals for the coming Paris IGC2022, 3) Selection of a new chair from 2022,

4) Membership renewals, and 5) other upcoming conference and future activity plans. First, we summarized the Istanbul IGC submissions (29 presentations in total: 12 in Climatology and 17 in Climate Change) and updated sessions chairpersons (also in the following e-mail discussion). As for the session proposal for the IGC2022, a few open suggestions have been made, e.g.: “Extreme hydrometeorological events, their spatial and temporal variability and impact”, “Adaptation measure to extreme temperatures in Urban area”, “Climate and health”, “The role of climate conditions in the COVIDdispersion” or “Solar radiation management and climate change mitigation”. Regarding the extended deadline for sessions proposals until October the additional meeting was scheduled.

Madureira from Geography Department at Porto University was suggested to replace Ana Monteiro starting from August 2022 – needs the candidate confirmation. CoC decided to approve Joint declaration on the climate and biodiversity emergencies document. Regarding other issues,

Regarding the new chair of the CoC Agnieszka Wypych was proposed as the next chair since 2022 and accepted by all CoC members. Membership renewals in 2022 are necessary for Jun Matsumoto, Francisco Mendonça and Ana Monteiro. The nomination of Yoshihiro Iijima was accepted to replace the Asian delegate. Two other candidates will be introduced and accepted before August 2022.

CoC members discussed also the necessity of any book edition or the special issue edited by the commission. The issue will be recognized and hopefully initiated as changing climate conditions are crucial for a wide range of environmental studies.



Photo. An online group photo during the CoC Business Meeting on 14 July, 2021

In the CoC meeting held on **19th August 2021**, discussions were held regarding 1) Session summary of the Istanbul IGC2021, 2) Final session proposals for Paris IGC 2022, 3) Membership renewals, and 5) Joint declaration on the climate and biodiversity emergencies.

We summarized participant activity regarding Istanbul IGC2021 – finally only 16 presentations were given in 4 sessions. For Paris IGC 2022 CoC will submit 7 session proposals – there is a necessity to announce the event and suggested topics to climatological community (e.g. via Climlist) to attract more people and assure interesting presentations. Professor Helena

following the suggestion by Yoshihiro Iijima, Babatunde Abiodun will be applied to become an editor of the Human geoscience section of the on-line Progress in Earth and Planetary Science (PEPS) journal in Japan Geoscience Union (JpGU). Concerning the idea of CoC common

publication it will be possible to propose a special issue (SPEPS) on the CoC proposed session(s) in IGC conference in the future (further discussion is needed on this matter).

- c. The meetings or other events planned to be held in 2022 and later years

CoC Business Meeting will be held on-line probably in winter or spring to schedule IGU Paris CoC sessions (the date is dependent on the Organizers decisions regarding sessions arrangements) and in a hybrid form in July during Paris IGU Centennial Congress.

For Paris IGU Centennial Congress, the Commission on Climatology calls for abstract for the following sessions:

1. EXTREME WEATHER AND CLIMATE EVENTS

Chair: **Guillaume Fortin**

Co-chair:

Francisco Mendonça Description:

Extreme events can affect communities in many ways, depending on whether they bring too much water (flooding) or not enough (drought) for example. Recently researchers have worked to better characterize spatial and temporal climate variability and extremes events in terms of their frequency, duration, and intensity. Vulnerable communities everywhere are searching for innovative ways to be more resilient and to reduce the negative impact of weather and climate extreme events. This session will present examples of how extreme events can be better either monitored, estimated, modelled, prepared for and/or adapted to.

2. CLIMATE AND HEALTH

Chair: **Francisco Mendonça** Co-chair: **Ana Monteiro** **Description:**

The climate influences human health, directly and indirectly. The WHO (World Health Organization), the WMO (World Meteorological Organization) and the IPCC / AR6, among other institutions, consider, in several of their documents, that there will be an intensification of the

occurrence of diseases as a result of present and future global climate changes. The scenarios beckon for a greater record of outbreaks, epidemics and pandemics (as COVID19), both existing and non-comparable diseases, many of them directly related to specific climatic conditions. Communicable diseases (as neglected, for example), chronic and neoplasms, among others, have ageographic distribution that, once evidenced, can contribute to public policies for disease control and prevention. The purpose of this Section of the CoC-IGU is to create opportunities for making contributions to advance knowledge of the relationship between climate and human health. It will be an opportunity to highlight the types of weather and climates on the living conditions of the population, as well as prospect the present and future situations.

3. GEO-ENGINEERING AND CLIMATE CHANGE

Chair: **Babatunde A b i o d u n** **Description:**

The greenhouse gas-induced climate change continues to devastate socio-economic activities globally. The international negotiation on reducing greenhouse gas emissions is slow while the emissions themselves continue to rise. Geoengineering has been proposed as faster solution. Geoengineering is the intentional large-scale modification of the Earth's system to end climate change and reverse global warming. Geoengineering techniques range from sucking carbon dioxide directly out of the atmosphere (e.g., ocean fertilization or afforestation using non-native species) to exerting a cooling influence on the Earth by reflecting sunlight (e.g., putting reflective particles into the atmosphere, putting mirrors in space, increasing surface reflectivity, or altering the amount or characteristics of clouds). The interest in geoengineering techniques is growing as more people seek to understand the possibility of cooling the Earth. However, the deployment of any geoengineering technique requires prior evaluation of the price, efficiency, and potential impacts of the technique. This session welcomes presentations on the physical and socio-economic impacts of geoengineering techniques at any scale.

4. SYNOPTIC CLIMATOLOGY

Chair: Agnieszka Wypych Description:

Atmospheric circulation is unquestionably listed among the fundamental causes of weather and climate. The session is dedicated to all aspects of relationships between large-scale atmospheric circulation and surface climate and environmental variables. Contributions concerning theoretical aspects of circulation classifications development and their applications in various tasks (meteorological, climatological, and environmental), and

different scales are particularly welcome as well as submissions on recent climate variability and change studied by tools of synoptic climatology.

Chair: **Yoshihiro Iijima**

5. CLIMATE CHANGE ADAPTATION AND MITIGATION

Description:

Global warming is more than an undeniable fact, but it is occurring at a faster pace than expected. From low latitudes to the polar regions, direct natural disasters such as extreme high temperatures, heatwaves, droughts, and enhanced hydrological cycles such as torrential rains and tropical cyclones significantly impact human life. In this session, we expect to present the case studies of global and regional climate change adaptation and mitigation, taking into account the events that could not have occurred without considering global warming in various world regions. This session welcomes topics on climate-based agricultural transformation, renewable energy, efforts to limit environmental change, and measures against climate disasters based on the climatological background of warming events in each region.

6. URBAN CLIMATE

Chair: **Jun Matsumoto**

Co-chair:

Jennifer Salmon Description:

Understanding and predicting the unique interactions between urban areas and the atmosphere, at a variety of scales, is critical to ensuring sustainable growth of cities. This is

especially true in an era of anthropogenically induced climate changes which maybe both caused by, and enhanced by, urbanization. Such changes have the potential to have a disproportionate impact on urban areas, infrastructure and populations. We therefore invite papers on all aspects of urban climate including (but not limited to): urban air pollution, impacts of extreme weather on cities, urban heat islands and their mitigation, heat stress and urban biometeorology, urban design, smart cities and urban energy balances. Papers based on original research from a variety of perspectives (including conceptual, empirical, experimental, theoretical or modelling studies) are welcome.

7. CLIMATE VARIABILITY AND CHANGE

Chair: **Zahide Acar**

Co-chair:

Hadas Aaroni Description:

Both global and regional climate models predict future change in climate conditions. Such changes, including increase in extreme events, are already being observed worldwide and are attributed to anthropogenic factors. They have far-reaching environmental impact and are among the most serious challenges to society in coping with a changing climate. However, long-term and short-term trends in climate conditions are affected also from natural climate variations. A prominent aspect of our climate is its variability. This variability ranges over many temporal and spatial scales and includes phenomena such as El Niño/La Niña, droughts, multi-year, multi-decade, and even multi-century changes in temperature and precipitation patterns. The purpose of this session is to highlight the importance of climate variability analysis as part of climate change studies and introduce climate variations and changes research in various spatio-temporal scales. Studies dealing with climate variability and trends, from global to the regional scales, are invited to this session.

C. Networking

- a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces during 2020-21.

None

- b. Collaboration, if any, with other IGU commissions or other international, intergovernmental, or inter- and multi-disciplinary groups in 2020-21

Agnieszka Wypych (representing CoC) and Barbaros Gönençgil (representing IGU together with prof M. Meadows but also CoC as its former member) took part in International Geographical Society Gathering Organised by RSGS in partnership with RGS and IGU on Tuesday 22nd June 2021. The meeting was held to discuss respective and collective responses of geographers to the climate emergency. As the result of the meeting the Joint declaration on the climate and biodiversity emergencies was formulated.

- c. Cooperative efforts, if any, with ISC (International Science Council), and CIPSH (International Council for Philosophy and Human Sciences) programs.

None

D. Publications

- a. Newsletters, special journal issues, and books published in 2020-21

1) CoC Newsletter 2021 (published in December 2021)

- b. The current (accurate) URL of the commission's website. [http:// www.klimat.geo.uj.edu.pl/CoC.htm](http://www.klimat.geo.uj.edu.pl/CoC.htm)

E. Archival Contributions

None

COMMISSION ON COASTAL SYSTEMS REPORT 2021

A. Membership

The Officers and Steering Committee of the Commission on Coastal Systems are:

Chair/ Président

Prof. **Colin Woodroffe**

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Secretary/Secrétaire, Editor of Newsletter

Dr. **Margarita Stancheva**

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Vice-Chair

Dr. **David R. Green**

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Geosciences University of Aberdeen St. Mary's |
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Steering Committee members

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Prof. **Paolo Ciavola**

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Prof. **Irene Delgado-Fernandez** [appointed in
2021]

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Prof. **Niki Evelpidou** [appointed in 2021]

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Prof. **Paul Liu** [appointed 2021]

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b. Number of Commission members **in total**
(543) and by country at 31 December 2021.

Albania	1	Gabon	2	Peru	1
Algeria	2	Georgia	2	Philippines	2
Argentina	5	Germany	21	Poland	4
Australia	12	Greece	6	Portugal	16
Azerbaijan	1	Hong kong	2	Romania	10
Bangladesh	2	India	9	Russia	7
Belgium	27	Iceland	1	Senegal	1
Benin	1	Indonesia	1	Singapore	1
Brazil	21	Iran	1	South Africa	7
Bulgaria	4	Ireland	10	Spain	20
Canada	18	Israel	3	Surinam	1
Chile	2	Italy	16	Sweden	3
China	11	Japan	5	Switzerland	2
Colombia	2	Korea	2	Taiwan	5
Cote d'ivoire	3	Latvia ⁶⁵	1	The Netherlands	14
Cuba	1	Malaysia	1	Togo	1
Denmark	2	Mexico	1	Tunisia	1
Ecuador	1	Morocco	3	Turkey	7
Egypt	1	New zealand	10	Ukraine	2
Estonia	5	Mozambique	1	United Kingdom	31
Finland	4	Namibia	1	U s a	94
France	83	Nigeria	4	Uruguay	1

French	1	Norway	3	Vietnam	1

B. Meetings

The following meetings were organised, or sponsored, by the Commission on Coastal Systems in 2021 with summary information. Plans for 2022 are also outlined.

APRIL 19-30, 2021. VIENNA, AUSTRIA.
EUROPEAN GEOSCIENCES UNION
(vEGU2021)

A special coastal session, held virtually, at EGU2021 was sponsored by the Commission on Coastal Systems:

GM6.6/NH5 Session

'Coastal Zone Geomorphological Interactions: Natural versus Human-Induced Driving Factors', convened by Hannes Tõnisson, Giorgio Anfuso, Andreas Baas, Guillaume Brunier and Margarita Stancheva,

This session was successfully conducted for the thirteenth year in succession at the EGU General

Assembly (this year in the online format). The program of the vPICO session was chaired by Dr. Hannes Tõnisson (Estonia) and a detailed list of presentations can be viewed here: <https://meetingorganizer.copernicus.org/EGU21/session/40296#>.

Contributions to this session were focused on wide range of topics, including the mechanisms triggering coastal flow slides, vulnerability of coastal deltas, trends in shoreline variability driven by anthropogenic factors, coastal dunes as natural coastal protection measures.

The vEGU2021 GM6.6NH5 Session was held with 14 abstract submissions. 13 presentations were introduced in one vPICO session. Each presenter had the opportunity to show one slide and carry out two-minute talk. vPICO session was followed by nearly 45-minute chat session, there were around 75 participants.

August 16 – 20, 2021, 34th International Geographical Congress (Igc) "Geography:

Bridging The Continents”, Istanbul, Turkey

A special coastal session, held virtually, at IGC2021 was sponsored by the Commission on Coastal Systems:

Sustaining coastal and marine environments in the Anthropocene, convened by Colin Woodroffe and Margarita Stancheva.

The session, held in virtual mode online, commenced with a keynote presentation by Jon French on a new framework within which to foster more resilience-based coastal management. Subsequent talks over three sessions covered issues at the land-sea interface, incorporating both natural processes and the impact of human activities, coastal sediment compartments and sediment delivery to tropical coasts, trajectories of land reclamation, environmental conflicts that have hampered the establishment of coastal parks, and criteria and targets for coastal ecological quality assessment. A special issue of the *Journal of Coastal Conservation* is being produced based on papers presented at the congress.

SEPTEMBER 15 – 16, 2021 CoastGIS NOVA UNIVERSITY, RASEBORG, FINLAND

CoastGIS 2021 – held virtually for the first time since it first began in 1995 – with the theme, **Sustainable Coastal Planning in a Changing World**, took place on the 15th and 16th September 2021 in Raseborg in Finland, at the Nova University of Applied Sciences. The overall aim of this conference was to examine the role of GIS and the related technologies of remote sensing and mapping to coastal management. In light of the pandemic and the visible global impacts of climate change in the last few years the theme seemed very appropriate. As always there was a very good programme covering a range of themes including: coastal mapping and data, coastal habitat, conservation, remote sensing, UAVs in coastal monitoring and mapping, spatial data, Big Data, coastal society and support, marine spatial planning, tools for coastal management, and the impacts of climate change on coastal management. The conference presentations were accompanied by Keynote talks, several workshops and a number of scientific posters. A Special Issue in the *Journal*

of Coastal Conservation, Planning and Management, based on the conference proceedings will be published in the coming year, followed by a book edited by David R Green.

CONFERENCE SESSIONS PROPOSED IN 2022

APRIL 3-8, 2022. EUROPEAN GEOSCIENCES UNION GENERAL ASSEMBLY – VIENNA, AUSTRIA

CCS will convene two sessions at EGU2022; this will be a live and virtual congress.

Coastal morphodynamics: nearshore, beach and dunes, convened by Irene Delgado-Fernandez, Emilia Guisado-Pintado and Derek Jackson

Coastal Zone Geomorphological Interactions: Natural versus Human-Induced Driving Factors, convened by Margarita Stancheva, Andreas Baas, Hannes Tönisson, Guillaume Brunier and Giorgio Anfuso

JULY 18-22, 2022 INTERNATIONAL GEOGRAPHIC UNION CENTENNIAL CONGRESS – PARIS, FRANCE

CCS will convene two sessions at UGI2022; this will be a live and virtual congress.

Coasts’ Futures: The Challenge of Coastal Resilience in the Face of Global Change, convened by Ywenn De La Torre and Virginie Duvat

Coastal resources and unsustainability: addressing underlying issues to strengthen resource governance, convened by Ritika Prasad and Bratati De

Coastal Tourism, Heritage and Nature Conservation in the Anthropocene, convened by Vincent Andreu-Boussut and Céline Chadenas

November - Coastal Hazards in Africa

The third conference on this theme is proposed to take place in Tunisia November 11 to 13, 2022, as advised by Abdelmounim El M’rini.

C. Networking and Communications

The CCS has upgraded its new website - <http://igu-coast.org/> in 2021, and maintained its Twitter account. It sustained networking and communication through its Newsletter, published twice a year, as well as through special sessions at meetings.

D. Publications

a. Newsletters, special journal issues, and books published or anticipated during 2021

Two Newsletters have been published in 2021; numbers 84 and 85 in January and July respectively. The next Newsletter will appear in January 2022.

The following special issue was completed in 2021

Estuaries and Coastal Wetlands of the Southern Hemisphere – a virtual special issue of *Estuarine Coastal and Shelf Science* – appeared in 2021. Guest editors, Janine Adams, Debora de Freitas, Kerry Lee Rogers, and Colin Woodroffe. This comprises 21 papers based on a session convened by the Commission on Coastal Systems at ECSA57 in 2018.

The following special issues are in production;

A special issue on **Sustaining coastal and marine environments in the Anthropocene is in preparation** for the *Journal of Coastal*

Miltiadis Polidorou

E. Archival Contributions

Copies of Newsletters are archived with IGU and available on our CCS website.

F. IGU Funds

Conservation, arising from the CCS session at the IGC. Guest editors – Colin Woodroffe and Margarita Stancheva

A special issue on **Coastal Hazards in Africa** is in preparation for the *Journal of African Earth Sciences*. Guest editor - Abdelmounim El M'rini, Driss Nachite and Mohamed Maanan

A second special issue on **Coastal Hazards in Africa: processes, vulnerability and management**, arising from the second conference, is in preparation for the journal *Estuarine, Coastal and Shelf Science*, Guest editor – Errol Wiles

A special issue on **Sustainable Coastal Planning in a Changing World**, is planned, collating papers from CoastGIS 2021, in the *Journal of Coastal Conservation, Planning and Management*. Guest editor - David R Green

The following special issues are calling for papers:

A special issue on **Applications of Structure-from-Motion Photogrammetry in Coastal and Marine Studies** for the journal *Geosciences*. Guest editors – Rafael Carvalho, Javier Leon and Luis Conti

A special issue on **Coastal Systems: Monitoring, Protection and Adaptation Approaches** for the

Journal of Marine Science and Engineering. Guest editors – Niki Evelpidou, Anna Karkani and

Funds from IGU have been used to contribute to support registration for participants in the virtual International Geographical Congress, and to subscribe to upkeep of the new website.

Colin Woodroffe, Chair and **Margarita Stancheva**, Secretary
Attachment 1. IGU CHAR Steering Committee and Honorable members

Steering	Full	Country	Institution	Email address
Chairperson	Tatiana Vlasova	Russia	Institute of Geography, Russian Academy of Science	tatiana.vlsv@gmail.com
Vice-Chair	Marie-Jeanne Royer	UK	Dr Marie-Jeanne Royer, School of Anthropology and Conservation, University of Kent, Canterbury, CT27NR United Kingdom	royer_marie_jeanne@yahoo.com
Steering committee member 1	Christian Schluechter	Switzerland	Institut für Geologie, Universität Bern, Switzerland	christian.schluechter@geo

				.unibe.ch
Steering committee member 2	Wiesław Ziemiański	Poland	Institute of Geography and Spatial Management of the Jagiellonian University, Krakow,	wieslaw.ziaja@uj.edu.pl
Steering committee member 3	Prakash Chandra Tiwari	India	Department of Geography, Kumaon University, India	pctiwari@yahoo.co m
Steering committee member 4 (to be)	Andrey Petukhov	USA	Department of Geography, University of Northern Iowa, Cedar Falls IA USA	andrey.petrov@uni.edu
Steering committee member 5	Dana Micu	Romania	National Meteorological Administration (Romania) Department of Climatology Romania	dana.micu@meteoromania.micudanamagdalena@gmail.co
Honorary member 1	Nancy Doubt	Canada	Department of Philosophy, McMaster	doubten@mcmaster.ca, ncdday@gmail.com
Honorary member 2	Dario Trombetti	Argentina	Ianigla - CCT Mendoza – Conicet. Casilla de Correo 330	dtrombot@lab.cricyt.edu.ar
			5500 Mendoza, Argentina	
Honorary member 3	Jef Vandenbergh	Netherlands	Dept. Of Earth Sciences VU University De Boelelaan Amsterdam. The	jef.vandenbergh@vu.nl

Attachment 2.

CHAR-IGU 2017-2021 Corresponding Members-
Total by Country To be revised at the IGU
Congress postponed to 2021.

Argentina 22, Australia 2, Austria 1, Bangladesh 1,

Britain 19, Canada 20, China 4, Estonia 1, Finland
1, France 6, Germany 37, Georgia , Hungary 6,
India 3, Ireland 1, Israel 1, Italy 2, Japan 5,
Mongolia 1, New Zealand, Norway 11, Poland 4,
Portugal 4, Romania 6, Russia 17, South Africa
3, Spain 1, Sweden 9, Switzerland 19, The
Netherlands 6, Ukraine 1, U.S.A. 16

COMMISSION ON THE DYNAMICS OF ECONOMIC SPACES REPORT 2021

A. Membership

1. Steering Committee:

The Steering Committee of the IGU Commission on the Dynamics of Economic Spaces (CDES) consists of eleven members from different countries. The steering committee contains three women and eight men and has representatives from Europe, North America and Asia. The current members of the Steering Committee are listed as follows:

1. **Chair¹:** Nuri Yavan, Ankara University, Faculty of Language, History and Geography, Department of Geography, Ankara, TURKEY. Email: nuri.yavan@ankara.edu.tr.
2. **Vice Chair:** Eva Kiss, RCAES Geographical Institute, Budapest, and Sopron University, Alexandre Lamfalussy Faculty of Economics, Sopron, HUNGARY. Email: kisse@helka.iif.hu
3. Harald Bathelt, Department of Geography and Planning, University of Toronto, Toronto, CANADA. Email: harald.bathelt@utoronto.ca
4. Robert Hassink, Kiel University, Department of Geography, Kiel, GERMANY, E-mail: hassink@geographie.uni-kiel.de
5. Canfei He, Peking University, College of Urban and Environmental Sciences, Beijing, CHINA, E-mail: hecanfei@urban.pku.edu.cn
6. Patrick Heidkamp, Southern Connecticut State University; Department of the Environment, Geography & Marine Sciences, New Haven CT, USA. Email: heidkampc1@southernct.edu
7. Yangmi Koo, Department of Geography,

Seoul National University, Seoul, SOUTH KOREA. Email: yangmi@snu.ac.kr

8. Armin Kratzer, University of Innsbruck, Institute of Geography, Innsbruck, AUSTRIA. Email: Armin.Kratzer@uibk.ac.at
9. Rene Matlovic, University of Presov, Department of Geography and Regional Development, Presov, SLOVAK REPUBLIC. Email: rene.matlovic@unipo.sk
10. Özge Öner, University of Cambridge, Department of Land Economy, Cambridge, UK. Email: oo263@cam.ac.uk
11. Piotr Pachura, Czestochowa University of Technology, European Faculty of Engineering, Czestochowa, POLAND. Email: piotr.t.pachura@gmail.com

2. Commission Members:

The IGU Commission on the Dynamics of Economic Spaces (CDES) does not have a formal membership base. Our 'membership' list we use to distribute information consists of 627 active email addresses from all over the world (Figure 1). Although the commission currently ¹ Nuri Yavan of the Ankara University will serve as Chair of CDES for a two-year period of 2020-2022. Eva Kiss of the Hungarian Academy of Sciences will assume the position of Chair for the period 2023-2024 and Nuri Yavan will become Vice Chair. has 38 member countries, half of the members (52%) are from UK (23%), USA (17%) and Germany (12%). When we add Canada (8%), Australia (6%) and New Zealand (5%) to this rate, 70% of the member are from Anglo-American countries (except Germany). In 2021, 2 new members and thus 2 new countries (Russia and Romania) joined the commission.

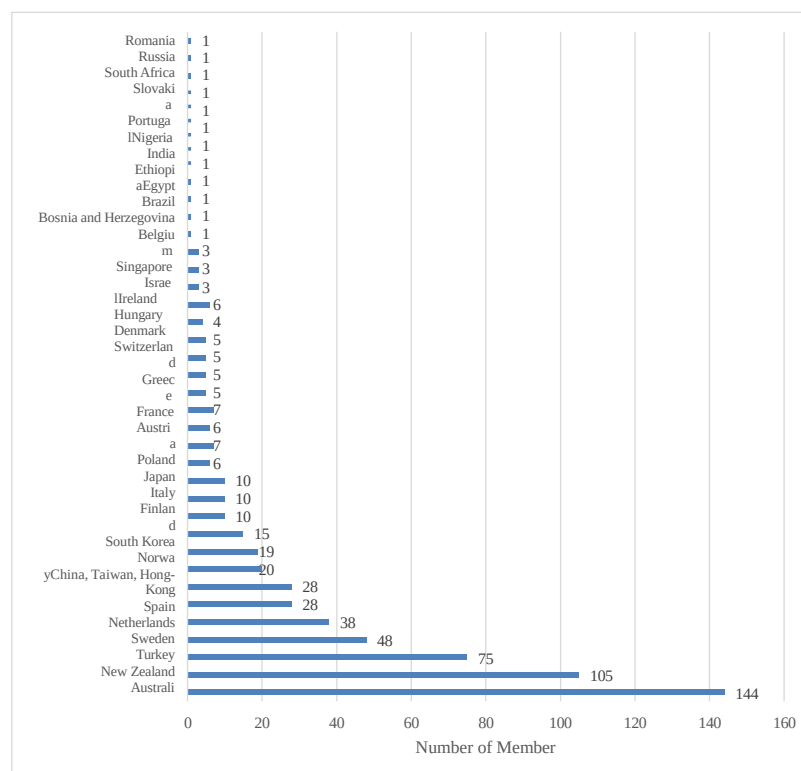


Figure 1: IGU Commission on the Dynamic of Economic Spaces Membership by Country (As of 31 December 2020)

B. Meetings

During 2021 period, the Commission, unfortunately, could not hold its annual conference and had to cancel it, as the Covid 19 epidemic swept the whole world in 2021. This conference, which was planned to be held in June 2021 at the University of Osnabruck, Osnabruck, Germany, but postponed, will be held in October 2022 at the same university. On the other hand, in 2021, the Commission participated in the 34th IGU International Geographical Congress 2021, held in Istanbul, Turkey between 16-20 August 2021, by organizing the session titled "*Dynamics of Economic Spaces: Economic Geography and Regional Development*". A total of 14 papers were presented in the Commission sessions of the congress, which was held virtually due to Covid 19 pandemic.

Of the 14 papers presented at the congress with participants from 10 different countries, 4 were from South Korea, 2 were from Germany, and the remaining 8 were from France, Hungary, Poland, Madagascar, Japan, China, Turkey and England.

The thematic distribution of the presented papers shows that the topics are concentrated in a few areas of economic geography and regional development. Thus, for example, Global Production Networks and Global Value Chain as well as FDI and multinational location choice/relocation are the most frequently presented areas in the session, while agglomeration and clustering, the role of institutions, resilience, crisis, inequality and deindustrialization are the other topics discussed in the Commission sessions.

Further planned meetings:

- 6th Global Conference on Economic Geography, 7-10 June 2022, Dublin, Ireland.
- Paris 2022 IGU Centennial Congress, 18-22 July, 2022, Paris, France.
- IGU CDES Mini-Conference on Investment Risks, Environmental Risks and Risks in Global Production Networks, University of Osnabruck, Osnabruck, Germany, October, 2022.

C. Networking

The IGU CDES did not engage in any collaboration with other IGU Commissions and Task Forces as well as collaboration with other international, intergovernmental, and inter- and multi-disciplinary groups in 2021.

During 2021, the CDES had no cooperative efforts with either the International Social Science Council (ISSC) or the International Council for Science (ICSU) and International Council for Philosophy and Human Sciences (CIPSH) programs.

D. Publications

1. Regular Publications:

Since long time, CDES has a very good reputation in publishing edited book and special issues in international peer-reviewed journals. CDES conferences typically result in the publication of one edited book (sometimes two) that is published as part of Routledge's (formerly Ashgate) *Dynamics of Economic Spaces* series. The Commission has already published more than 20 edited books in the series.

CDES has renewed its contract with Routledge in 2018 to publish Commission's series of *Dynamics of Economic Spaces*. Thus, now CDES has continued its very successful publishing relationship with Routledge Publishers. The book series is entitled *The Dynamics of Economic Space* (see [https://www.routledge.com/The-Dynamics-of-Economic-Space/](https://www.routledge.com/The-Dynamics-of-Economic-Space/book-series/ASHSER1030) book-series/ASHSER1030) and the Chair of the Commission serves as the Series Editor.

In 2021, three books were published in the book series of the Commission although two of these books are not an outcome of the direct activity of the commission, actually either collaborated with and supported by the commission or just published under the Commission series but unlinked from the Commission activities. Citation of these books are following:

- Baqir, F., & Yaya, S. (Eds.). (2021). *Beyond Free Market: Social Inclusion and Globalization*. Routledge.

- Hracs, B. J., Brydges, T., Haisch, T., Hauge, A., Jansson, J., & Sjöholm, J. (Eds.). (2021). *Culture, Creativity and Economy: Collaborative Practices, Value Creation and Spaces of Creativity*. Routledge.

- Storti, L., Urso, G. and Reid, N (Eds) (2022) *Economies, Institutions, and Territories: Dissecting Nexuses in a Changing World*. Routledge.

Another book to be published in 2022 by Commission's Routledge book series as outcome of the previous year the commission conference is following:

- Heidkamp, C. P., Morrissey, J. E. and Germond-Duret, C. (Eds) (2022) *Blue Economy: People and Regions in Transitions*, Routledge.

TABLE OF CONTENT OF THE BOOK

INTRODUCTION

- 1) Blue Economy: People and Regions in Transitions

SECTION 1): BE People - A Blue Economy for who?

- 2) A Blue Economy for who? Linking marine social sciences with blue economy discourse.
- 3) Effective Stakeholder Engagement in Coastal Transitions
- 4) Community acceptance of Blue Energy
- 5) Indigenous Tourism and the Blue Economy in the Great Bear Rainforest, Canada.
- 6) Conflicts and Communities: Assessing Social Carrying Capacity of Marine Aquaculture
- 7) Of fragile communities and big dreams: the Finnafjordur harbour project in Northeast Iceland

SECTION 2) BE Regions - Blue Economies in Place

- 8) Blue Economy and Maritime Clusters in Turkey

- 9) Fostering a Sustainable Blue Economy: A case study of the Iceland Ocean Cluster
- 10) Building a blue economy: Enactive research and a politics of experimentation in New Zealand
- 11) 'The Blue Economy, Climate, Tourism, and Social Injustice in Barbuda'
- 12) Working through entangled projects: Netting Blue Economy and Marine Spatial Planning in the UK
- 13) A Blue Economy Agenda for the Baltic Sea Region

SECTION 3) BE Futures – Blue Economies in Transition

- 14) Multi-frontier Transitions in the Ganges-Brahmaputra-Meghna Delta under Global Change
- 15) Deciding port futures: Ports of Auckland, MSP and contested ethics in BE plan making

E. Archival Contributions

CDES has not provided any archival materials available but would be willing to do so.

F. Productive Use of IGU Grant

ANNUAL REPORT 2021

- 16) The Contribution of Blue Economy to the Sustainable Development Process of European Union
- 17) The Evolution of Blue Carbon and its potential to contribute to regional Blue Economy Initiatives
- 18) Strengthening Links between Industry and Academia through Transdisciplinary Action Research: Project

Blue @ SCSU's Biodiversity in Aquaculture Initiative

CONCLUSION

- 19) Towards increased critical engagement with the Blue Economy

2. Commission website:

The commission's current website is accessible under the following address:

<http://igu-cdes.ankara.edu.tr/>

During the period of 2021, the Commission did not use IGU grants. However, we support applications by young scholars and researchers representing "low-income countries" for financial support for participation of our mini conferences.

Submitted on behalf of the Commission on Gender and Geography By



Prof. Anindita Datta Department of

CARE, CONNECTION, CHANGE

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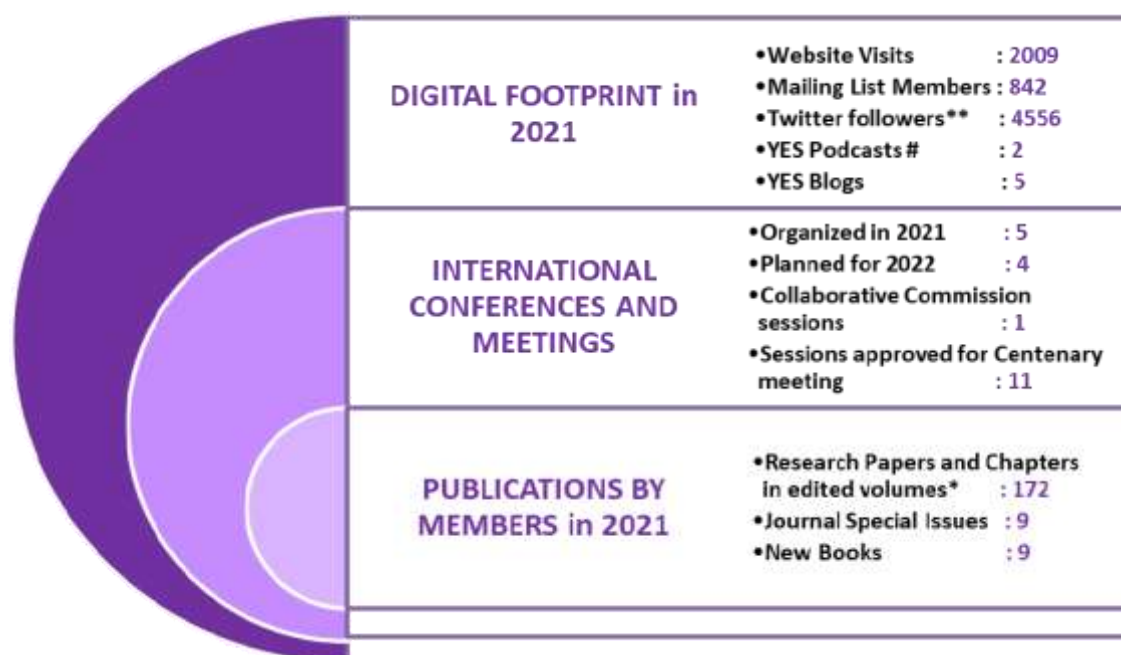
IGU COMMISSION ON GENDER AND GEOGRAPHY ANNUAL REPORT 2021

Focal theme 2020-2024 : *Care, Connection and Change*

The Commission on Gender and Geography was accorded the status of a full-fledged Commission in 1992 and celebrates its tricenary year in 2022. In the course of these last decades, the Commission has marked itself out as a vibrant, inclusive body. Membership to the Commission has grown exponentially, its reach now indeed worldwide. The Tricenary of the Commission is an occasion to reflect upon the journey of incorporating gender as

an analytical lens within the discipline of geography, the trajectory of charting recognition as a subfield, the challenges faced and the ways forward. We will also use the occasion to honour the contributions of Prof Janice Monk through a festschrift and through special tricenary sessions at IGU Paris 2022.

The vibrancy of our Commission is reflected in our metrics for 2021 below:



*based on listing provided by mailing list members for biannual newsletters. See details at <https://igugender.wixsite.com/igugender/publications>

** computed from SC and YES member profiles ;
to be broadcast in 2022

CHAIR

Prof. Anindita Datta

Department of Geography, Delhi School of Economics 80

MEMBERSHIP

Our Steering Committee for 2020- 2024 represents a diversity of feminist scholars including from the global South, under represented regions and non-anglophone locations. The details of our Steering Committee members are as under:

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adatta@geography.du.ac.in

TREASURER

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Asst. Prof. Martina Caretta

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Dra Joseli Maria Silva

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Dr Elena Vacchelli Department of History, Politics and Social Sciences

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e.vacchelli@gre.ac.uk

In addition, the Commission's Young and Early
Career Scholars (YES) works closely with the

Steering Committee to act as a networking, sharing and mentoring platform for early career feminist geographers. The intent is to use the task force to build a platform for networking, sharing and peer-peer mentoring, while also connecting to the resources of established feminist geographers who can be mentors and allies for early career feminist geographers. YES! Promotes new membership in the Commission from early- career scholars and fosters transnational collaborative networks. Details of our YES! Committee are as under:

Co-Chair

Dr. Menusha De Silva

Department of Geography

National University of Singapore

geokmds@nus.edu.sg

MEMBERSHIP TO IGU COMMISSION ON GENDER AND GEOGRAPHY BY REGION (2021)

AFRICA	19
ASIA	202
EUROPE	276

Co-Chair

Dr. Anjeline de Dios

Researcher

Dark Matter Labs

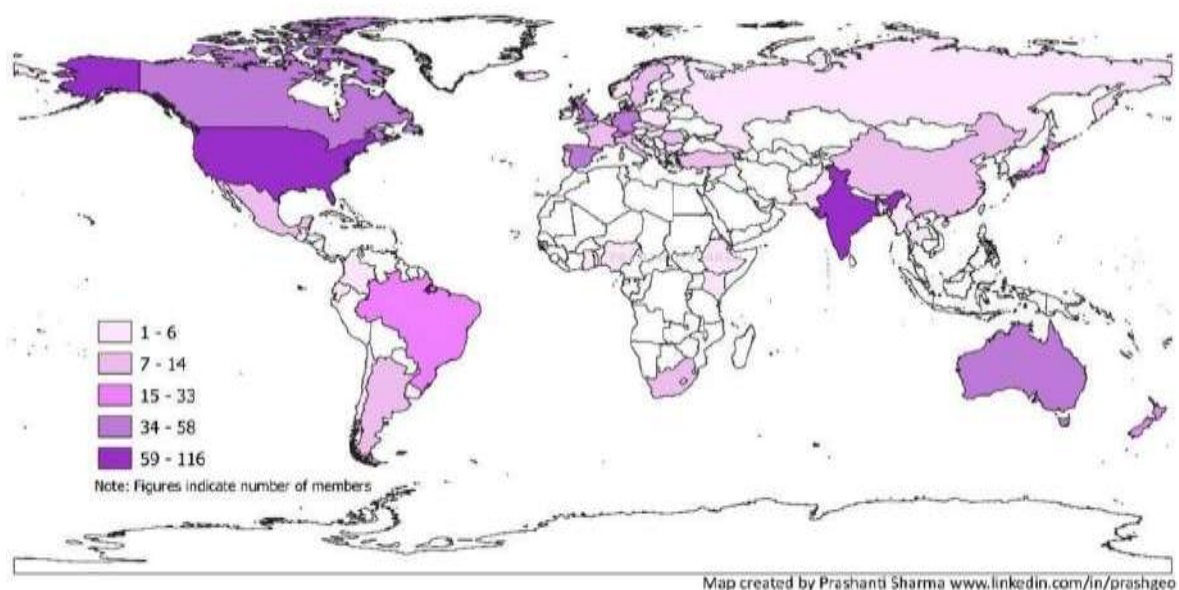
anjeline@darkmatterlabs.org

Membership to the Commission on Gender and Geography is through the mailing list maintained by our Commission. As of 31 Dec 2021, our mailing list consisted of 842 members. Our region wise membership is shown below. This does not include 59 members who use Gmail to access the list and hence their location

could not be determined. 82

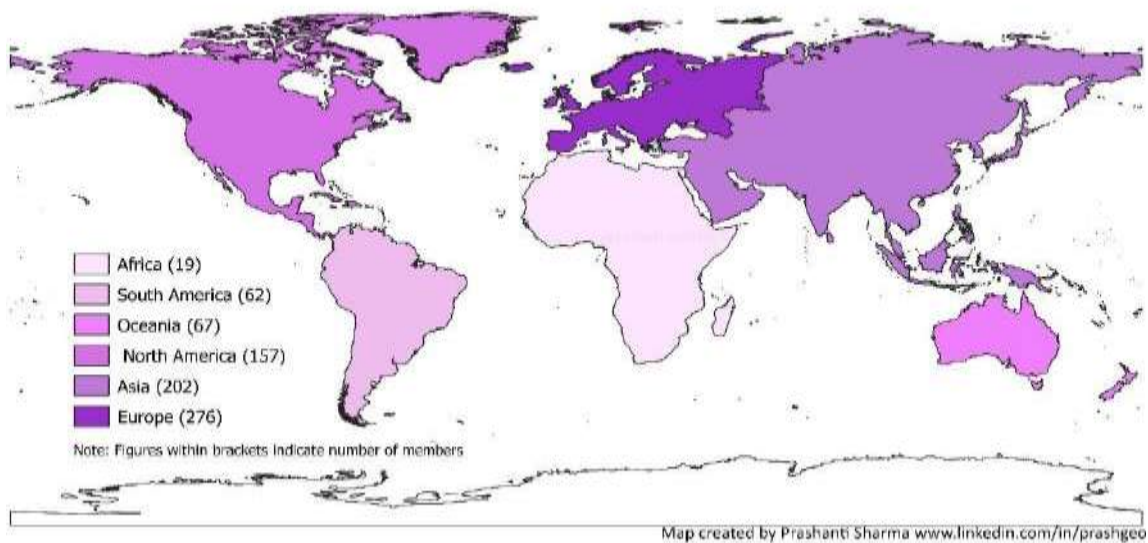
NORTH AMERICA	157
OCEANIA	67
SOUTH AMERICA	62

IGU COMMISSION ON GENDER AND GEOGRAPHY COUNTRYWISE MEMBERSHIP 2021



Source: Compiled from Commission membership list

IGU COMMISSION ON GENDER AND GEOGRAPHY REGIONWISE MEMBERSHIP 2021



Source: Compiled from Commission membership list

Meetings

a. Meetings and Conferences held in 2021

- **The 4th International Congress on Gender and Space** was held virtually from 19-23 April 2021. The event was hosted by the Universidad Nacional Autónoma de México (Autonomous National University of Mexico) in collaboration with other Mexican institutions. During the congress, 157 presentations occurred with presenters from Mexico, Argentina, Bolivia, Brazil, Chile, Colombia, France, Guatemala, Italy, Peru, and Portugal. Domestic spaces, confinement and new ways to live Migration and gender The covid-19 impacts; Virtual spaces and cyberspaces; Extractivism, social movements and territory defense; Decoloniality, ethnic and racial identities; Care; Space design and inclusive urban-architectural typologies; Masculinities; and Old and new vulnerabilities.

- **Gender and Geography Commission Sponsored Specialist Sessions at the Institute of Australian Geographers Conference**, 5 – 10 July 2021, Sydney Australia. The Gender and Geography Commission sponsored the 'Remembering and Reimagining Embodied Geographies' specialist session. The organisers were: Gorman- Murray (Western Sydney), Lynda Johnston (Waikato), Corrinne Sullivan

(Western Sydney), and Gordon Waitt (Wollongong). The session explored the contested terrain of / in and around bodies in relation to, racialised and excluded bodies, Indigenous bodies, fleshy and messy bodily materialities, reproduction, aged bodies, incarceration, embodied fieldwork, embodied intersectionality, disabled bodies, as well as gendered, sexed and sexualised and classed bodies.

- **Gender and Geography, History and Politics Commission specialist sessions, IGC Istanbul**, 16 – 20 August 2021 at the 34th International Geographical Congress: "Geography: Bridging the Continents" Istanbul, Turkey held online, 16 – 20 August 2021. Our commission joined History and Politics Commissions to encourage presentations on: Bridging differences: East, West, seas and Mediterranean worlds. Lynda Johnston, Marcella Schmidt and Virginie Mamadouh chaired our sessions.
- **V Latin American Seminar of Geography, Gender and Sexualities** pre-meeting was held online between 7th and 9th September 2021, coordinated by Martin Torres. The ideas of dissident action and body as a space of struggle were fundamental in this event. The

meeting was attended by activists from collectives and academic representatives. Twenty-seven works were presented in an experimental way, including research classified in axes from individual's and collective's life experience in Argentina, Brazil, Mexico, Colombia, Bolivia, Chile, and Peru. The opening lecture was given by Anindita Datta (India) called "Doing feminism and talking from the margins" as chair of the IGU Gender and Geography Commission. A theme session was held on the second day, called "Gênero e Dissidência no Território" (Gender and dissidence within the territory), presented by Maria Rodo-Zarate (Catalonia), Benhur Pinós da Costa (Brazil), Megg Rayara Oliveira (Brazil), and Carolina Pérez (Chile). A keynote lecture was also presented by Carolin Schurr (Switzerland), called "Geopolítica reprodutiva: Governar corpos in/férteis no México" (Reproductive geopolitics: governing in/fertile bodies in Mexico". The closing conference was given by Irene Molina (Chile- Switzerland), titled "Intertwined feminist fights facing the oscillating façades of power".

- **XVIII Encuentro de Geógrafos de América Latina (EGAL)** [Latin-American Geographers' XVIII Meeting] was held from 30th November to 04th **December 2021**, in Cordoba, Argentina. On that occasion, for the second time in the history of this regional event, we managed to have an exclusive panel on gender. In this panel named '¡Ahora que sí nos ven! Hacia dónde vamos las Geografías Feministas del Sur' [Now they see us, Where are the feminist geographies of the South going to?], PhD Diana Lan (Argentina), PhD Sofía Zaragocin (Ecuador), PhD Joseli Silva (Brazil), PhD Lucía Damián (Mexico), and PhD Ana Falú (CISCSA-Argentina) discussed the construction of the reasoning of Latin-American feminist geographies, evidencing the tight bond between intellectual work, political organizations, and social-feminist movements.
- b. Events to be held in 2022-23 with involvement of the Commission

- **Crisis, Recovery and Gender: Feminist Spatial Perspectives** 14-15 July 2022 Geography and Gender Research Group, Department of Geography, Universitat Autònoma de Barcelona, Bellaterra, Spain
- **Special Tricenary sessions at IGU Centenary meeting** Paris between July 18-21, 2022: A total of 11 sessions have been offered.
- **Latin American Seminar of Geography, Gender and Sexualities** from 6th to 9th September 2022 with the proposal of holding an onsite event in Santiago, Chile
- **Ocean and Seas in Geographical Thought** to be held in March 2023 in collaboration with Japan National Committee for the IGU (JNC) within the framework of the decade for oceans.

Mentoring Programme

The Commission has also put in place The Jan Monk Mentorship programme for early career researchers and feminist geographers from under represented regions. Details of the Mentorship can be found on our website.

Networking

- a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces :
 - Gender and Geography, History and Politics Commission specialist sessions, IGC Istanbul, 16 – 20 August 2021 at the 34th International Geographical Congress: "Geography: Bridging the Continents" Istanbul, Turkey held online, 16 – 20 August 2021
 - Collaboration with History Commission and Japan National Committee for the IGU (JNC) to organize Ocean and Seas in Geographical Thought to be held in March 2023 within the framework of the Decade of Ocean Science for Sustainable Development (2021-2030)
- b. **Cooperative efforts, if any, with ISC (International Science Council), and CIPSH International Council for Philosophy and Human Sciences)**

programs : We are seeking to collaborate with the ISSC and ISCU programmes.

Awards & Honours

Joos Droogleever Fortuijn was awarded the **IGU Lauréat d'Honneur** during the International Geographical Congress Istanbul in August 2021. She was steering committee member (1992-1996) and chair (1996-2000) of the IGU Commission on Gender and Geography and Vice-president (2012-2016) and First Vice-president (2016-2020) of the IGU. The IGU Lauréat d'Honneur is created in 1976 to recognize individuals who have achieved particular distinction or who have rendered outstanding service in the work of the IGU or in international geography.

Ann Oberhauser was awarded the 2021 **Jan Monk Service Award** of The Feminist Geographies Specialty Group. This award recognizes significant service to women in geography and/or feminist geography. As a feminist scholar and mentor, Dr. Oberhauser also has a distinguished record of service to women in geography.

Tovi Fenster is accepted as a **full member of Academia Europaea**. The Academia Europaea is the Pan-European Academy of Sciences Humanities and Letters with the objective of advancement and propagation of excellence in scholarship in the humanities, law, the economic, social, and political sciences, mathematics, medicine, and all branches of natural and technological sciences for the advancement of the education in the aforesaid subjects in Europe.

Caroline Faria received the AAG **Harold M. Rose Award for Anti-Racism Research and Practice**. The award recognizes scholars who are advancing the discipline via their anti-racist research and who are also engaged in anti-racist practice within their classrooms, departments and in the wider discipline.

PUBLICATIONS

a. Special Journal Issues

- *ACME* (2021, 20:3) special issue on “**Moral Economies**”, edited by Karine Duplan,

Marylène Lieber and Camille Schmoll

- *Environment and Planning C Politics and Space* (39:1, 2021) special section on “**Sexual(ities that) progress**”, edited by Kath Browne, Jason Lim, Joseph Hall and Nick McGlynn
- *Environment and Planning D Society and Space* (39:1, 2021) special section titled “**Black feminism and settler colonialism roundtable**”
- *Feministische Geo-RundMail* (2021, 85) special issue on “**feministische digitale Geographien**” [feminist digital geographies]
- *Feministische Geo-RundMail* (2021, 86) special issue on “**Corona, care und collectives**”, edited by Anne Vogelpohl and Sandra Antelmann
- *Gender, Place & Culture* (2021, 28:2) special section on “**Revisiting the epistemic terrains of gender, sex, and empowerment**”, edited by Kuntala Lahiri-Dutt, Richa Nagar, Amanda Gilbertson, Ahonaa Roy and Annie McCarthy
- *Gender, Place & Culture* (2021, 28:6) themed issue on “**Masculinities in Africa beyond Crisis: Complexity, Fluidity, and Intersectionality**”, edited by Carole Amman and Sandra Staudacher
- *Tijdschrift voor Economische en Sociale Geografie* (112:2, 2021) special issue on “**Everyday places of intersectionalities**”, edited by Maarten Loopmans, Gavin Brown and Valerie de Craene
- *Urban Studies* (58:7, 2021) special issue on “**Placing LGBTQ+ urban activism**”, edited by Alison, L. Bain and Julia A. Podmore

b. New Books

- Aulenbacher, Brigitte, Helma Lutz and Karin Schwiter (Eds.) (2021) *Gute Sorge ohne gute Arbeit? Live-in Care in Deutschland, Österreich und der Schweiz* [Good care without good labour? Live-in care in Germany, Austria and Switzerland]. Weinheim/Basel, Beltz Juventa

- Banerjee, Riva and Gopa Samanta (2021) *Negotiating Terrain in Local Governance: Freedom, Functioning and Barriers of Women Councillors in India*. Springer.
 - Datta, Anindita (2021) *Gender Space and Agency in India, Exploring Regional Genderscapes*. Routledge
 - Fenster, Tovi (2021) *Archaeology of the Address: Home, History and Possession in the Israeli-Palestinian City*. Haifa, Pardes Publishers
 - Kinyanjui, Mary Njeri (2021) *Wanjiku in global development. Everyday ordinary women livelihood economy in Kenya*. Nairobi, Nsemia
 - Moreno, Magdalena and Cecilia Mastrolorenzo (2021) *Geografía y educación sexual integral. Aportes para la enseñanza de los espacios contemporáneos [Geography and Comprehensive Sexual Education. Contributions to the teaching of contemporary spaces]*.
 - Peake, L., .E. Koleth, G.S. Tanyildiz, R.N. Narayanareddy and D. Patrick (eds.) (2021) *A feminist urban theory for our time: rethinking social reproduction and the urban*. Antipode Book Series. London, Wiley Press
 - Vaiou, Dina (2021) *The invisible work of women in the making of the city. Facets of Athens after 1974*. Athens, Alexandria publ. (in Greek)
 - Vázquez, Georgiane Garabely Heil, and Joseli Maria Silva. *Vivências de mulheres no tempo e espaço da pandemia de Covid-19*. [Experiences of women in time and space during the Covid-19 pandemic: Transnational Perspectives], (in Portuguese and Spanish)
- c. Research Papers and Chapters in Edited Volumes
- A total of 172 research papers and Chapters in edited volumes were reported by our members. See detailed list at <https://igugender.wixsite.com/igugender/publications>
- d. YES

Initiatives Blogs

The YES! website has a webpage that blogs summaries of YES! meetings for the benefit of those who could not attend the event, and individual contributions by members. The most recent blog posts (from 2020) included 'Fieldwork and Ethics in the times of COVID-19' and 'Indian Matchmaking: Deepening gender stereotypes' and 'Walking my dog through lockdown: Are encounters enough to build a community?' See <https://yescggiguwebsite.wixsite.com/yescgg/blog>

Podcasts

Anjeline de Dios initiated the plans for a podcast on feminist geography titled 'YES, Loud and Clear! A Podcast of Young Feminist Geographers'. Elisabeth Miltz (Postdoctoral researcher/lecturer, University of Bern) joined the team working on podcasts. Interviews with Lynda Johnston and Anindita Datta have been conducted and will be edited and released during the next year.

WEBSITES & SOCIAL MEDIA

- The current (accurate) URL of the Commission's website Commission on Gender and Geography website : <https://igugender.wixsite.com/igugender>
Gender and Geography YES Committee website : <https://yescggiguwebsite.wixsite.com/yescgg>
- Twitter handle of the Commission: @IgUgender
- YES! Blogspot** : <https://yescggiguwebsite.wixsite.com/yescgg/blog>

ARCHIVAL CONTRIBUTIONS

Archival material including our bi annual newsletters and selected reports are available on our website <https://igugender.wixsite.com/igugender>

Report prepared by the Chair of the Commission on Gender and Geography Prof Anindita Datta based on inputs from Steering committee and YES members.

12 January 2022



Annual Report 2021

A. Membership

The statutes of the IGU state that Commissions should consist of a Chair and Steering Group of ten members plus a Secretary. Given the size and complexity of the Commission on Geographical Education, the proposal accepted by the IGU Executive for the renewal of the Commission for the period 2020 – 2024, included a) joint chairs, and b) a concept of a steering committee of “10+” in order to recognise the ongoing and significant role played by former Chairs and Steering Group members and c) the concept of Regional Contacts who are publicly identified with the role of facilitating effective communication and outreach between the CGE and specific regions of

the world. As approved by the Executive Committee of the IGU in 2020, the effective Steering Group of the Commission may therefore be considered as a core of 11 people consisting of two co-chairs plus nine other members including the Secretary, supported by a panel of twelve long standing former Steering Group members and linked closely with 65 regional contacts who are asked to ensure that local information on research and developments in geographical education are reported to the Commission Secretary for inclusion in the CGE Newsletter and that information provided to the international community through the CGE Newsletters are disseminated through local and regional networks.

The formal statutory 2020 – 2024 Steering Group therefore consists of:

Dr. Chew-Hung Chang (Co- Chair) Professor, Humanities and Social Studies Education Academic Group National Institute of Education, NIE1-04-06, 1 Nanyang Walk, Singapore 637616	Dr. Michael Solem (Co-Chair) Senior Advisor for Geography Education, Association of American Geographers / Professor of Geography, Texas State University Email: msolem@txstate.edu
Dr. Jongwon Lee (Secretary) Professor of Geography Education, Department of Social Studies Education, Ewha Womans University 52, Ewhayeodae-gil, Seodaemun-gu, Seoul 03760 South Korea Email: jongwonlee@ewha.ac.kr	Dr. Kathrin Schulman (Treasurer) Lecturer in Geography, Jewish Studies and their education, School of Education FHNW, Bahnhofstrasse 6, 5210 Windisch, Switzerland Email: kathrin.schulman@fhnw.ch
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The active Advisory panel (10+) of former Chairs and members of the Steering group Currently consists of:

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Regional contacts: The location and contact details of the 65 regional contacts may be found in the CGE website at <http://www.igu-cge.org/> where there is an interactive map to assist those interested in the Commission to locate their nearest contact.

Members: The Commission on Geographical Education has members through a) those who attend its Symposia and IGU regional conferences and congresses; b) corresponding members who while unable to attend regular meetings, participate in the various publishing and research activities; and c) those who participate in the work of the Commission through the Commission's Journal, *International Research in Geographical and Environmental Education* (IRGEE). The annual changes in membership and distribution by territories and regions are as follows. The Commission has regular communication with 1,238 people in 87 identified territories.

Year	2017	2018	2019	2020	2021
Number of memberships	915	958	1,104	1,151	1,238

1	United Arab Emirates	2
2	Albania	2
3	Armenia	1
4	Angola	1
5	Argentina	11
6	Austria	9
7	Australia	53
8	Azerbaijan	2
9	Bangladesh	3
10	Belgium	6
11	Bulgaria	5 ⁹³
12	Bolivia	1
13	Brazil	36
14	Belarus	2
15	Botswana	2
16	Canada	22
17	Switzerland	18
18	Chile	12
19	China	52

20	Coast Rica	2
21	Cuba	3
22	Cyprus	1
23	Czech Republic	21
24	Germany	84
25	Denmark	9
26	Spain	15
27	Ethiopia	5
28	Finland	23
29	France	13
30	Gibraltar	1
31	Greece	7
32	Hong Kong China	11
33	Hungary	18
34	Indonesia	19
35	Ireland	6
36	Israel	13
37	India	33
38	Iran	3
39	Iceland	2
40	Italy	21
41	Jamaica	3
42	Japan	35
43	Kenya	3
44	Kyrgyzstan	1
45	Cambodia	1
46	South Korea	17
47	Kazakhstan	2
48	Sri Lanka	1
49	Lesotho	2
50	Luxemburg	1
51	Latvia	1
52	Lybia	1
53	Morocco	2
54	Mongolia	14
55	Malta	3
56	Mexico	6
57	Malaysia	6

58	Nigeria	9
59	The	33
60	Norway	7
61	Nepal	1
62	New Zealand	22
63	Oman	2
64	Philippines	2
65	Pakistan	3
66	Poland	17
67	Puerto Rico	2
68	Portugal	14
69	Romania	8
70	Russia	11
71	Sweden	19
72	Singapore	19
73	Slovenia	4
74	Slovakia	2
75	Switzerland	1
76	Thailand	3
77	Tunisia	1
78	Turkey	29
79	Trinidad and Tobago	11
80	Ukraine	14
81	United Kingdom	109
82	United States	109
83	Venezuela	2
84	Viet Nam	2
85	South Africa	29
86	Zimbabwe	1
87	Unknown	50
	Total	1,238

Meetings and programmes of work⁹⁴

The meetings organized by the Commission on Geographical Education 2020 - 2024 with information on their locations, dates, and numbers of participants. The Commission on Geographical Education engages with its constituency through five forms of meetings:

1. Special sessions arranged with local organisers as part of IGU Congresses and

Regional meetings;

2. Symposia arranged by local organisers from within the Commission specific to the Commission;
3. Face to face meetings of the Steering Group (+10) to which all interested parties are invited to attend conducted at an appropriate time during or immediately before or after IGU Congresses or Conferences and Commission Symposia;
4. Virtual meetings conducted primarily for the Steering Group, Sub-committees of the Steering Group and Advisory Panel using various forms of internet collaborative software; and of particular note in the current reporting period;
5. Special meetings with other organisations and working parties for specific purposes.

IGU-CGE 2021 Conference, Prague, Czechia.

Between August 10 to-13, 2021 the IGU CGE Conference 2021 was held in Prague, Czechia. The main conference theme was "Making connections: Cooperation and networking in geography education". The primary conference mission was to bring researchers and geography educators from all over the world to Prague to build and strengthen research networks and personal connections. Given the current pandemic situation, the conference was organized in a hybrid format – for the first time in the history of CGE. As a first keynote speaker, Michael Solem (Texas State University, USA) focused on the issue of "School geography, achievement, and education debts: What do we owe young people?" The second keynote speaker, Tine Bénéker (Utrecht University, the Netherlands), gave a talk on "Connecting everyday knowledge to school knowledge and scholarly knowledge." Both keynote lectures were recorded. The recordings will be uploaded on the CGE website soon. Almost ninety delegates from Europe, Asia, Oceania, Africa, North America and Latin America attended the sessions. Approximately, thirty of them attended in person and fifty-five participated online using a virtual platform. This conference was jointly hosted by the Centre for

Geographical and Environmental Education, the Faculty of Science, Charles University, and the Czech Geographical Society.

CGE Webinar 2021: Opportunities and Challenges for Geographical Education around the world during COVID and post COVID times. The Commission organized two webinars on the impact of the COVID-19 pandemic on geographical education around the world. While Part 1 includes examples from countries in Australia, Asia and Europe, Part 2 dealt with cases of North America and Africa. Each webinar includes a 5-10 minute talk by each panel member describing the issues in their respective countries and this is followed by a Q&A session. The two webinars were streamed live on the Commission's Facebook page and a total of 1350 people were reached for both webinars.

Steering Committee Meeting The average number of participants in a Steering group meeting was 7- 10 and the number of participants in an open discussion session during a conference of congress was 15-50. The average number of meetings (in the categories 1-5 above) during a year was 4.

Progress on Programmes of Work established in 2020-2024

This programme of work also includes the main issues discussed during the meetings of the Commission. The Steering Committee of the Commission identified five areas of work for the period 2020- 2024.

1. **Enhance the reputational capital of the CGE.** The 2020-2024 Commission will develop ways of ensuring that the visibility and accessibility of the commission are shared with a wider audience. The Commission will do this by building on the work of the 2016-2020

Commission and the established Regional Contacts and strengthen dissemination forms such as social networking and maintaining a even stronger digital presence. In 2021, the social media account on Facebook reached 2,803 people. Almost half of the people

reached were through the two webinars organized by the commission.

2. **Grow the CGE network.** The 2016- 2020 Commission has greatly widened the reach and draw of the Commission and the IGU. The 2020 - 2024 Commission will seek to develop this network further. We will continue to work with early career researchers to enable them to join the current CGE network and we will continue to build on the network of Regional Contacts to spread the work of the Commission and disseminate its activities to a wider group. In 2021, the CGE network has reached 87 territories/countries.
3. **Raise the quality of geography education research.** The 2020 - 2024 Commission will seek to promote and enhance high quality geography education research. This will build on the work of the 2016 - 2020 Commission which published several books in a book series, and a valuable bibliography of important works in the field, and in the 2016 the International Charter on Geographical Education (the Charter). The 2020 - 2024 Commission will continue to encourage high quality research collaborations with existing research networks in the various regional networks in places like North America, East Asia and Southeast Asia, on themes as described in the Research agenda section of the Charter.
4. **Diversify the possible outlets for geography education research.** The Commission's flagship journal IRGEE, has steadily improved in metrics and the Commission is committed to support the sustained development of the Journal. In addition, the Commission has supported a range of other publications, notably the Springer Book Series. The 2020 - 2024 Commission will seek to diversify the range and opportunities for the publication and dissemination of geography education research, including exploring opportunities for Open Access, as well as more through the Commission Book Series. In 2021, IRGEE has improved in its impact metrics and 2 new books were published through the

Commission Book Series (see details in publications section below).

5. **Strengthen research to practice applications.** There is an increasing diversification of research applicable to geography education. The 2020 -2024 Commission will seek to support the teaching of geography around the globe, through developing researcher- practitioner partnerships, stronger links with local and regional professional associations, working with researchers to consider contextual issues that may affect applicability to practice, and encouraging the wider dissemination of practitioner research through the international community. A series of workshops for early career academics has been planned for 2022.

Additional Projects of the Commission in 2021

1. **Wikipedia pages about geography education:** Commission decided that there was not enough information on geography education provided through the Wikipedia page (see https://en.wikipedia.org/wiki/Category:Geography_education), so a group of scholars started the Wikipedia page update project in 2021. With the approval of and support from the IGU-CGE Steering Committee, Joop van der Schee, Nina Scholten, and Susan Caldis have been working on the project.

B. Networking

Means by which your commission has collaborated with other IGU Commissions and Task Forces

1. **Collaboration with iGeo Task Force** - to help the local organizers prepare the 2021 International Geography Olympiad (iGeo) in Istanbul, Turkey. Especially, a number of the Commission members participated in the iGeo as national team leaders which was held on August 11-15 at Istanbul Technical University.

C. Continued Support to the Society for Environmental Map Education - through

the 31st Asahikawa Children's Environmental Map Contest in October 2021. The Commission supported the event through the IGU-C96GE Awards for Environmental Map Education, for children who win the contest (<http://www.environmentalmap.org>).

Publications

The Commission continues to publish regular newsletters by the WordPress and lodged them on the Commission website (www.igu-cge.org).

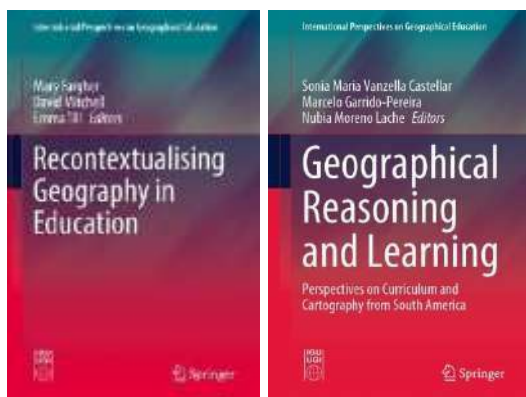
1. The Commission continues to publish *International Research in Geographical and Environmental Education (IRGEE)* through Taylor and Francis. ISSN: 1038-2046 IRGEE is published four times a year and serves four major purposes:
 - a. to promote an expanded international interest in research in geographical and environmental education;
 - b. to provide a forum for the critique of research studies and the discussion of relevant research issues in geographical and environmental education;
 - c. to encourage the international dissemination of research in geographical and environmental education; and
 - d. to demonstrate the relevance of research studies to good professional practice in geographical and environmental education.

The flagship journal of the commission continues to grow in its impact. IRGEE has improved in all its metrics. Full paper download has increased and IRGEE has been ranked Q1 in Education and Q2 in Geography journals. The journal's Cite score has also increased from 2.3 in 2019 to 3.1 in 2020 with an accompanying h-index at 28 for 2020. Indices for 2021 will only be available in 2022.

2. The Commission publishes a book series "International Perspectives on Geographical Education" through Springer. ISSN: 2367-

2773. There are currently six titles in the series, and two has been published in 2021:

- a. Fargher, M., Mitchell, D., & Till, E. (Eds). (2021). *Recontextualising Geography in Education*. Springer.
- b. Castellar, S. M. V., Garrido-Pereira, M., & Lache, N. M. (2021). *Geographical Reasoning and Learning*. Springer.



D. Archival Contributions

All publications of the Commission, including all newsletters, monographs, and issues of *International Research in Geographical and Environmental Education* are sent to the IGU Secretary General soon after publication. See also the website www.igu-cge.org for an archive of the Newsletters of the Commission.

The current accurate URL of the commission's web site: The current web site of the Commission on Geographical Education may be found at: <http://www.igu-cge.org/> The website includes archived Newsletters as well as current details of all projects, publications, and proposals.

Future meetings

CGE Symposium in Rennes, France (July 12-13 2022). The 2022 IGU CGE Conference will be held in Rennes, France July 12-13 2022. The conference under the theme of “Teaching Geography: Past and Future Challenges” will provide an important channel for the exchange of knowledge and experiences among researchers. The Organizing Committee has launched the conference homepage, has set key dates and is now inviting papers. <https://ugicge.sciencesconf.org/>

The commission will also be supporting the IGU-UGI Centennial Congress, Paris 2022 in July 2022 and will be organising sessions based on papers submitted from the congress.

This ends the 2021 annual report and is respectfully submitted to the Executive Committee of the International Geographical Union by

Professor Chew-Hung Chang and Professor Michael Solem on behalf of the 2020-2024 Steering Group of the IGU Commission on Geographical Education.

C20.13 COMMISSION ON GEOGRAPHICAL INFORMATION SCIENCE REPORT 2021

1. Membership

The GIScience commission had a steering committee of 11 members. This year, the commission recruited 3 members. Currently, the commission has 19 members from 15 countries.

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The following list provides the members' names, institutional affiliations and countries. Daniel Sui	Division of Social, Behavioral and Economic Sciences, National Science Foundation	USA
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Andrey Medvedeff	Institute for Geographie der Russian Academy of Science	Russia
Evelyn Uemaa	University of Tartu	Estonia
Shoaib Khalid	Government College University Faisalabad	Islamic Republic of Pakistan
Lars Brabyn	University of Waikato	New Zealand
Stan Geertman	Utrecht University	The Netherlands
Shawn Laffan	University of New South Wales	Australia
Itzhak Benenson	Tel-Aviv University	Israel
Miguel Padeiro	Institute of Geography and Spatial Planning of	Portugal
Damen P. Dume	Brown University	USA

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Mohammad Abu Syem	University of Chittagong	Bangladesh
Motti Zohar	University of Haifa	Israel
Mehmet Fatih Döker	Sakarya University	Turkey
Masoud Minaei	Ferdowsi University of Mashhad (FUM)	Iran
Serafeim Alvanide	Gesis Leibniz Institute for the Social Sciences, Cologne	Germany
Amit Birenboim	Tell-sAraveivl University	Israel
Dharmaveer Singh	Symbiosis International (Deemed University)	India
Docent Juri Roosaare	University of Tartu	Estonia
Varun Dutta Gupta	World Wide Fund for Nature, India (IGCMC Division) · Information Officer / GIS	India
Jyoti Dahiya	Haryana, India	India
Han Xiao	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of	China
Levi Whitley	Unity College	USA
R. S. Ajin	Kerala State Disaster Management	India
Masimalai Palaniyandi	Department of Health Research, Government of India	India

2. Meetings

2.1. SDH&GI2021 (Sakarya, August 13-14)

The International Symposium on Spatial Data Handling (SDH) is the premier long-running forum in geographical information science. The 19th SDH was planned in 2020 but was postponed to 2021 because of COVID-19. This year, we changed the title of the symposium to “International Symposium on Spatial Data Handling and Geographic Intelligence (SDH&GI)” to keep pace with the development in GIScience field.

Due to the ongoing epidemic conditions, the SDH&GI 2021 had been organized the online at Sakarya University between 13-14 August 2021. It was co-organized by the Commission on

Geographic Information Science and the Commission on Modelling Geographical Systems (C20.34).

Symposium was aimed to bring together all Geographical Information Systems users and researchers to share their experiences in GIS research. The theme that our meeting will focus on this year will be under the heading of "Smart Cities and the World System". In the symposium program there were 5 keynote Speeches, 9 Sessions and 43 oral presentations.

Sessions titled: Historical GIS, Climate Change, Urban Growth, Geographical Knowledge Graph and GeoAI, Remote sensing and GIS Applications in Human Science, Fluvial Geomorphology and Natural Risks, Ecosystems, Tourism and Statistic and GIS.



In opening ceremony: Prof. Dr. Mike Meadows - Ba
President of International

103 Geographical Union, Prof. Dr. rbaros
GÖNENÇİL - Vice President of

International Geographical Union, Prof. Dr. Zerrin KARAKUZULU - Sakarya University Head of Geography Department, Prof Dr. Fenzhen Su - Chair of IGU GIS Commission, Assoc. Prof. Mehmet Fatih DÖKER - Conference Local Chair made their speech. In the following, Keynote speakers; Prof. Dr. Fenzhen Su (Co- Chair of IGU GIS Commission), Prof. Dr. Tahsin Yomralıoğlu (İstanbul Technical University), Barış Uz (Esri Turkey CEO), Dr. Akın Kısa (Ministry of

Environment and Urban Planning General Directorate of GIS), Prof. Dr. Mei-Po Kwan (The Chinese University of Hong Kong) made their presentations.

The symposium successfully finished after oral presentations and Prof. Dr.

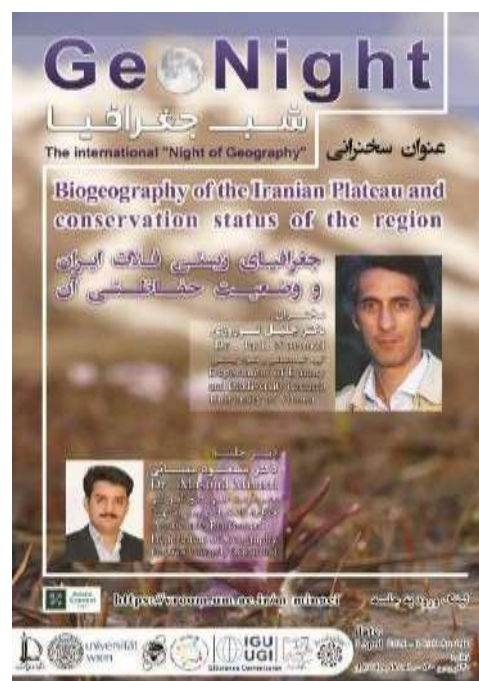
Fenzhen Su made the closing speech by thanking everyone.

2.2. International conference of GIScience (Mashhad, December 12)



Professor Masoud Minaei from Ferdowsi University of Mashhad, one of the steer committee members of our commission, helped organize the International conference of GIScience: Basis and Trans/Interdisciplinary Applications”. The conference was held on December 20th 2021 in cooperation with Iranian GIS and Remote Sensing Association, which provided platform for researchers, academics, students, innovators, scientists, and industry practitioners to get familiar with current research and developments.

2.3. International "Night of Geography"



We joined the activity of international "Night of Geography" promoted by EUGEO and IGU. Professor Masoud Minaei organized the GeoNight in Iran. The topic of the GeoNight is "GIS and Biogeography applications in southwest Asia species and endemics conservation". The objective is to introduce geography applications and benefits to societies, e.g., high school teachers and students, university students and other audiences. During the one-hour activity, Talks and presentations introducing FUM Geography department, GeoNight and Department of Botany and Biodiversity Research, University of Vienna were given. Dr Jalil Nowruzi gave speech about biogeography of southwest Asia flora.

2.4. Forthcoming meetings

We planned to continue the International Symposium on Spatial Data Handling (SDH) series and Geographic Intelligence in 2022.

3. Networking



It is the tradition that we have long cooperation with the IGU commission on Modelling Geographical Systems (C20.34) and Commission II of the International Society of Photogrammetry and Remote Sensing (ISPRS). Again, the commissions C20.13 and C20.16 organized the SDH & GI symposium together this year.

In 2021, the commission also cooperated with Iranian GIS and Remote Sensing Association in the International conference of GIScience: Basis and Trans/Interdisciplinary Applications.

Publication

3.1. Website

The website of the commission is <http://igugis.lreis.ac.cn/>. News about the commission is published on Google group. A frame of google group was embedded in the webpage of the commission, which is located at <http://igugis.lreis.ac.cn/igu6.html>.

The website of SDH&GI: <https://sdh2021.sakarya.edu.tr/>

The website of Iran GeoNight: GIS and Biogeography applications in southwest Asia species and endemics conservation – GeoNight

4. Archival Contributions

During the period in question, no archival contributions have been made. We hope we can post events on IGU website in the future.

COMMISSION ON GEOGRAPHY FOR FUTURE EARTH: COUPLED HUMAN-EARTH SYSTEMS FOR SUSTAINABILITY ANNUAL REPORT 2021

The report includes membership, meetings, networking, and publication for the IGU Commission on *Geography for Future Earth: Coupled Human-Earth Systems for Sustainability* (IGU-GFE).

1. Steering Committee

The IGU Commission on *Geography of Future Earth: Coupled Human Earth Systems for Sustainability* (IGU-GFE) has been formally established in October 2017 and its second term started in 2020. IGU-GFE focuses on human- earth systems and their interfaces with the coast, the ocean, and the atmosphere. It aims to promote a wider analysis and innovative thinking about global land sustainability through the bridging and synthesis of physical geography, human geography, ecology, hydrology, atmospheric, climate, and social sciences. It provides a platform for communication among geographers globally to promote research and innovation about sustainability. The steering committee structure of IGU-GFE is as follows:

Initiator and Honorary Chair

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Dr. Prof. Wenwu Zhao

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Vice-Chair

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2. Meetings held in 2021

The Environmental Governance and Social Network Workshop

“The Environmental Governance and Social Network Workshop” was delivered online via Zoom from March 22nd to 30th 2021. The workshop was co- organized by the IGU-GFE, journal *Geography and Sustainability*, Institute of Land Surface System and Sustainable Development, Faculty of Geographical Science, Beijing Normal University, and College of Economics and

Management, Northwest Agriculture and Forestry University. Dr. Örjan Bodin,

who served as an Associate Professor and Principal Investigator for the theme “Resilience thinking and complex adaptive systems” at the Stockholm Resilience Center of Stockholm University, was the lecturer of the workshop. He combined and integrated methods and theories from several scientific disciplines to develop a better understanding of social-ecological systems. He shared his expertise on environmental governance and provided systematic training on social network analysis and its application to environmental governance. The workshop was freely open to all participants worldwide through live streaming and attracted more than 90 experts, scholars, and students. Screenshot of the

Environmental Governance and Social Network Workshop

The Nature Based Solutions Implementation and Ecosystem Services Assessment in a Changing Environment Workshop

From June 23rd to 26th, 2021, the Nature Based Solutions Implementation and Ecosystem Services Assessment in a Changing Environment Workshop was jointly held by IGU-GFE, Beijing Normal University(China), Mykolas Romeris University (Lithuania), and the journal *Geography and Sustainability* via Zoom.

Dr. Paulo Pereira, Dr. Miguel Inácio, Dr. Katarzyna Bogdzevič, Dr. Nuno Jeronimo and Dr. Eduardo Gomes from Mykolas Romeris University were the lecturers of the workshop. The workshop was freely open to all participants worldwide through live streaming and attracted more than 80 experts, scholars, and students. The participants had discussions on nature-based solutions and land degradation in a changing environment, nature-based solutions for coastal management, basic principles of ecosystem services mapping, soil ecosystem services, mapping terrestrial ecosystem services, mapping marine ecosystem services, mapping future ecosystem services, legal implications of flood management, flood assessment in urban areas, and how to draft a good paper.

The poster features a green background with a forest image. It lists the workshop title, dates (23-26 June, 2021), and the lecturers with their topics. Logos for MRU, IGU-GFE, and GEOSUS are at the top. A QR code and registration link are at the bottom.

Nature Based Solutions Implementation and Ecosystem Services Assessment in a Changing Environment

Author Workshop
23-26 June, 2021

MRU MYKOLAS ROMERIS UNIVERSITY

IGU-GFE

GEOSUS

Paulo Pereira
Nature based solutions and land degradation in a changing environment
Basic principles of ecosystem services mapping
Soil Ecosystem Services
Mapping terrestrial ecosystem services
How to draft a good paper

Miguel Inácio
Nature based solutions for coastal management
Mapping marine ecosystem services

Katarzyna Bogdzevič
Legal Implications of flood management

Nuno Jeronimo
Flood assessment in urban areas

Eduardo Gomes
Mapping Future ecosystem services

Registration Link: <http://t.hk.uy/tb4>
<https://www.journals.elsevier.com/geography-and-sustainability>



Screenshot of the Nature Based Solutions Implementation and Ecosystem

Services Assessment in a Changing Environment Workshop

International Workshop on Geography and Sustainability 2021

From November 23rd to 24th 2021, International Workshop on Geography and Sustainability 2021 was successfully held via Zoom. The workshop theme was “Geography of the Anthropocene: Transforming our world for sustainable

development”, which aimed to present the latest research progress on geography

and sustainability, provide a valuable contribution to transforming our world for sustainable development. The workshop was hosted by International Geographical Union, co- organized by Faculty of Geographical Science at Beijing Normal University and the Geographical Society of China, collaborated with the IGU Commissions on Geography for Future Earth, Agricultural Geography and Land Engineering, Geoheritage, Hazard and Risk, Land Degradation and Desertification, Land Use and Land Cover Change, Water Sustainability, Modeling Geographical Systems and the Young and Early Career Geographers Working Group on Geography and Sustainability.



Flyer of International Workshop on Geography and Sustainability 2021

The workshop was freely open to all international audiences through live streaming and attracted more than 500 attendants from 40 countries. The workshop had 11 keynote speeches, which focused on the key research areas on promoting geography for sustainability. With a scientific session for young and early-career researchers, the topics of the 10 panel sessions included land use change, urbanization, agricultural geography, land degradation, water resources, disaster risk reduction, geographic modeling, heritage park, and geography education. Around 100 oral have been

delivered during the two days' workshop. Prof. Bojie Fu and Prof. Michael Meadows (current president of IGU) co-chaired this workshop, delivered the welcome and closing remarks respectively. Prof. Monica Dumitraşcu, Prof. Frank Winde, Prof. Takashi Oguchi, Prof. Paulo Pereira, Prof. Min Chen, Prof. Matija Zorn, Prof.

Yuheng Li, Prof. Dongying We, Prof. Yan Li, Prof. Wenwu Zhao, Dr. Gabriela Morosanu, Dr. Xutong Wu chaired these sessions. The workshop will be organized continually, and provide an international platform for communication on promoting sustainable development through an integrated geography perspective.



Screenshot of International Workshop on Geography and Sustainability 2021

held via Zoom with more than 100 participants. It was hosted by State Key Laboratory of Earth

The 4th International Workshop on the Human-Earth System Dynamics and Modelling

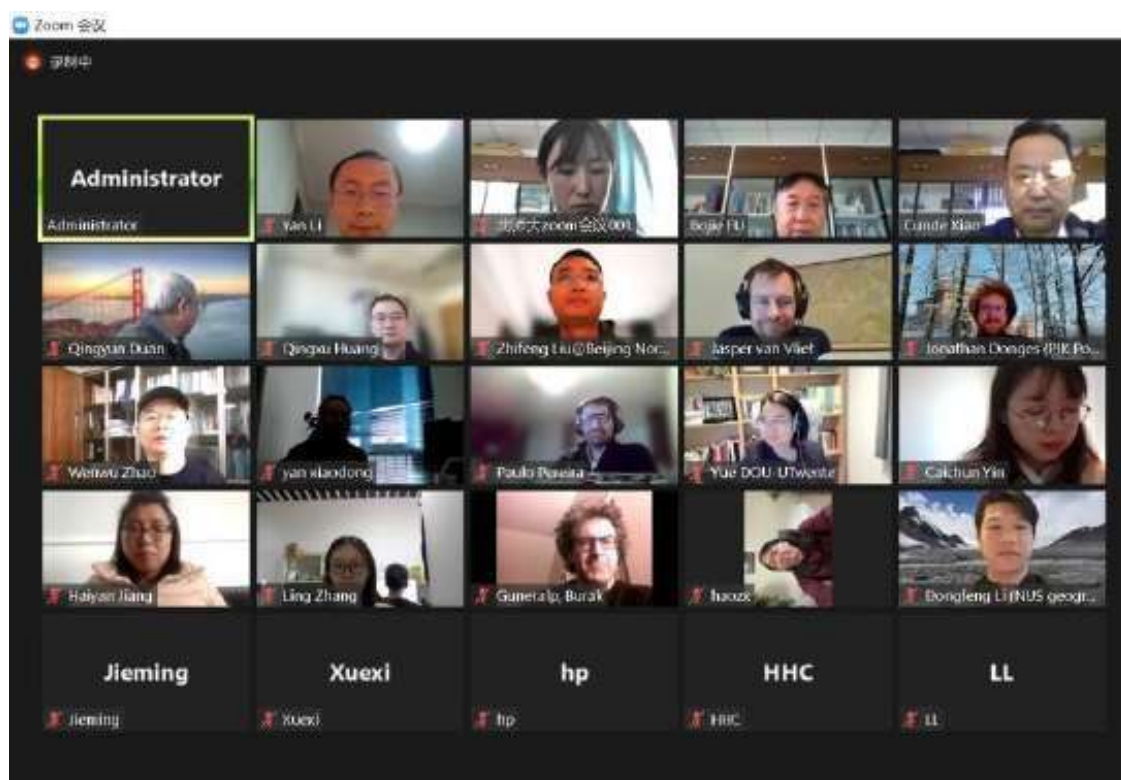
Surface Processes and Resource Ecology (ESPRE), Beijing Normal University,

From December 18th to 19th, 2021, the 4th International Workshop on the Human-Earth System Dynamics and Modelling was successfully

and co-organized and IGU-GFE. Fourteen invited speakers including Prof. Jasper van Vliet (VU University Amsterdam, NL), Prof. Paulo Pereira (Mykolas Romeris University, Lithuania), Jonathan

F. Donges (Potsdam Institute for Climate Impact Research, PIK), Richard S.J. Tol (University of Sussex, UK), Matteo Pedercini and Weishuang Qu (The Millennium Institute, USA), Burak Güneralp (Texas A&M University, USA), Safa Motie14(University of Maryland, USA) shared their ideas with participants. The speakers discussed many aspects of the Human-Earth System Dynamics and modelling, including large-scale modeling of urban development trajectories, systems integrations for understanding sustainability goals and challenges, nature based solutions in urban environments, social tipping dynamics in world-earth system model simulations, mapping land systems across Europe-

Redefine land cover/land use for biodiversity modeling, economic impact of weather and climate, integrated simulation for sustainable development, terrestrial ecosystem carbon cycle model for carbon neutrality, infrastructure development with(out) ecological conservation: the case of the northern forests in Istanbul, a two-way coupling study of energy economic models and earth system models, a novel approach to carrying capacity, T21 China 2050: a tool for national sustainable development planning, impact of social economic development on climate change using coupled earth system model and integrated assessment model, and an integrated assessment model of the Yangtze economic belt.



Screenshot of the 4th International Workshop on the Human-Earth

System Dynamics andModelling, 2021

3. Networking

3.1. Young and Early Career Geographers Working Group on Geography and Sustainability (YECG- GeoSus)

YECG-GeoSus is an interdisciplinary working

group of young and early career scientistsinterested in geography and sustainability constituted within IGU in 2021 through the collaboration o¹f¹⁵IGU-YECG and IGU-GFE. The mission of YECG-GeoSus is to promote research and education in sustainable development for young and early career geographers involved in all branches of Geography. YECG-GeoSus and its members were co-announced by IGU-GFE and IGU-YECG officially during the 34th International Geographical Congress “Geography: bridging the

continents”, Istanbul, 16-20 August 2021.

Governing Council

Wenwu Zhao (Chair of IGU-GFE; Beijing Normal University, China) Komali Yenneti (Chair of IGU-YECG; University of Wolverhampton, UK)

Chairs

Gabriela Morosanu (Institute of Geography of the Romanian Academy, Romania) Xutong Wu (Beijing Normal University, China)

Secretariat

Yiran Du (*Geography and Sustainability*, China)

Core Members

Mengyao Han (Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China)

Alexis Alamel (Sciences Po Rennes, France) Sandamali Wijeratne (University of Colombo, Sri Lanka) Eugenio Straffellini (University of Padova, Italy)

Regular Committee Members Jianxiao Liu (The University of Hong Kong, China) Youjia Liang (Wuhan

University of Technology, China) Sujayita

Bhattacharjee (University of Mumbai, India) Oluwasegun Adetunde (University of Ilorin, Nigeria) Radmila Jovanović (University of Malaga, Spain)

E-mail address of YECG-GeoSus: yecg.geosus@gmail.com

4. Publication

4.1. A special issue on Carbon Neutrality Potentials

Prof. Changqing Song, Prof. Cunde Xiao, Prof. Zahra Kalantari, and Prof. Carla Ferreira will organize a special issue on *Carbon Neutrality Potentials from Geographical Perspectives* in *Geography and Sustainability* in 2021.

This special issue aims to provide an in-depth insight into the potential ways to reduce carbon emission and enhance carbon sink balance, and interactions between human societies and natural systems in achieving carbon neutrality from the view of geography sciences. The special issue

kindly invites submissions from a wide range of topics relating to carbon neutrality, carbon emissions, carbon sequestration, carbon and cropping systems, greenhouse gas reductions, climate extremes mitigation, clean energy revolution, ecosystem conservation, and sustainable development across different scales (e.g., local, regional, continental, global) and biomes (e.g., terrestrial ecosystems, marine ecosystems, agricultural systems, industries, and urban areas). Papers using empirical local/contextual analyses for presenting recommendations to achieve carbon neutrality based on knowledge in geography sciences are particularly encouraged.

Submission Deadline: June 30, 2022

Link:

<https://www.sciencedirect.com/journal/geography-and-sustainability/about/call-for-papers#special-issue-on-carbon-neutrality-potentials-from-geographical-perspectives>

4.2. *Geography and Sustainability*—the official journal of IGU-GFE

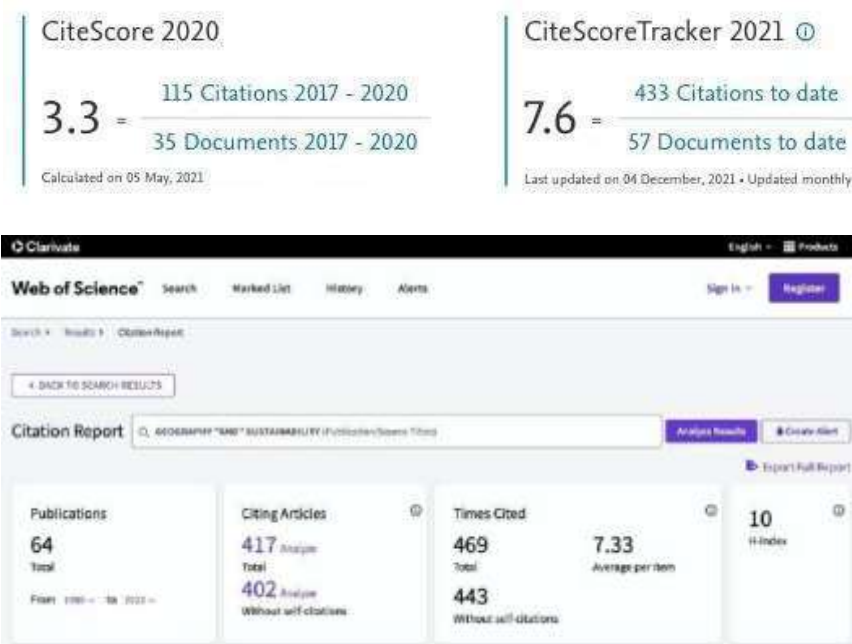
Geography and Sustainability, an international journal sponsored by Beijing Normal University and IGU-GFE, is jointly published by Beijing Normal University Press and Elsevier. Prof. Bojie Fu, dean of the Faculty of Geographical Science of Beijing Normal University and vice president of IGU, serves as the chief editor of the journal.

The first issue of *Geography and Sustainability* was published in March 2020. At present, 73 papers have been published in the journal with an average publishing time of 3 months. The journal has been indexed by the Scopus database on November 20th, 2020. On April 23rd, 2021, *Geography and Sustainability* was indexed by Emerging Sources Citation Index. In July 2021, *Geography and Sustainability* was indexed by Norwegian Register for Scientific Journals, Series,

and Publishers and Directory of Open Access Journals.

The CiteScore Tracker 2021 is 7.6 (by December 4th, 2021). The average per item is 7.33 (by

December 14th, 2021).



The journal is open to submission. Scope of the journal includes:

- Geographical processes
- Human-Environmental Systems
- Ecosystem services and human wellbeing
- Sustainable development
- Geo-data and model for Sustainability.

For inquiry and paper submission issues, please contact the editorial office: geosus@bnu.edu.cn. (<https://www.journals.elsevier.com/geography-and-sustainability/>)

IGU Commission on Geography of

Governance (C20.15) 2021 Annual Report

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1. Membership

1.1.- Steering Committee 2020-2024

Commission Chair

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1.2.- Corresponding members

In 31.12.2021, the Commission had 562
corresponding members from 70 countries. A
registration form for new corresponding members
is available in the Commission
website: <https://sites.google.com/site/igugeogov/corresponding-members---mailing-list>
Registration form: <https://forms.gle/aVnvSzTZyTGhNgZo8>

2. Meetings

Members of the Steering Committee have been
active, during 2021, in the organization of
scientific meetings focused on themes pertaining to
the core subject of the IGU Commission
Geography of Governance (IGU-CGoG), as well
in the planning of other meetings in the following
years. However, due to the restrictions to onsite/in-
person meetings and to international travels, all
these meetings took place in virtual/online format.

2.1.- Meetings in 2021

2.1.1.- AAG 2021 Annual Meeting - Seattle, USA - April 7 - 11, 2021. The IGU CGoG organized 6 sessions under the title "Local Governance and the COVID-19 Pandemic: impacts, challenges, responses" (I to VI). The aim of the session 'Local Governance and the COVID-19 Pandemic: impacts, challenges, responses' was to examine and discuss the impact of the pandemic on central-local government relations and on local government policies, on public services, housing, social services, mobility, and spatial planning. It discussed the actions taken by local government towards the COVID-19 pandemic, and its outcomes and impacts, during the first and second waves of the pandemic, as well as lessons for the future. The session addressed various aspects of the role of local government during the COVID-19 pandemic and its impacts, as well the ongoing changes in local governance systems in this context, namely changes associated with the use of new digital technologies. For more information, see the IGU CGoG website: <https://sites.google.com/site/igugeogov/next-conferences>

2.1.2.- IGU Commission Geography of Governance Annual Conference, Poznań, Poland - June 2021. The 2021 Annual Conference of the IGU Commission on Geography of Governance on "New Challenges of Local

2.1.4.- 34th International Geographical Congress, Istanbul, 16-20 August 2021. The IGU Commission on Geography of Governance participated with 14 sessions in the 34th International Geographical Congress "Geography: bridging the continents". It was held in Istanbul, Turkey, on 16 - 20 August 2021, in virtual / online format due to the pandemic. For more information, see the IGU CGoG website: <https://sites.google.com/site/igugeogov/next-conferences>

2.1.5.- The 5th International Conference 'Urban e-Planning', Lisbon, Portugal, 2021. The 5th International Conference 'Urban e-Planning', took place in Lisbon, Portugal, on 7-10 September 2021. The Conference addressed 3 main themes: 1. Governance and Planning of Smart Cities; 2. Citizen E-Participation in Urban Governance; 3. Urban e-Planning and the Covid-19 Pandemic.

Governance in Times of Uncertainty and Complexity", organized by the International Geographical Union (IGU) Commission on Geography of Governance, in collaboration with the Adam Mickiewicz University, was held in Poznań, Poland, on 23-25 June 2021. The Conference was organized in 5 tracks: Track 1. Centralization and decentralization trends. Difficult paths of democracy; Track 2. Governance and planning; Track 3. Local governance and climate change; Track 4. Impacts and challenges of the Covid-19 pandemic on local government; Track 5. Uncertainty and complexity in territorial governance. For more information, see the Conference website: <https://sites.google.com/view/geogov2021/>

2.1.3.- IGU Thematic Conference, Lecce, Italy, May 2021. The IGU Thematic Conference - "Heritage Geographies: Politics, Uses and Governance of the Past" -, was held in Lecce, Italy, on 26 - 28 May 2021, co-organised by the IGU Commission on Geography of Governance and five other IGU Commissions. The IGU Commission Geography of Governance proposed 4 sessions. For more information, see the IGU CGoG website: <https://sites.google.com/site/igugeogov/1/2-n1-ext-conferences>

The Conference was endorsed by the IGU Commission on Geography of Governance. For more information, see the Conference website: <https://sites.google.com/view/upep2020-conference/home>.

2.1.6.- Tourism & World Heritage Sites: Recommendations For Better Synergies #2. In The Framework Of The Our world heritage Initiative. For more information, see Newsletter 2/2021.

2.1.7.- International Conference: "The Path of Abraham, Mosaic of Peace". In Memory Of Kahled Al Assad, Director Of Palmyra and Gino Strada, Founder of Emergenc. Lecce-Trani, University of Salento & Archeoclub Trani, 3-4 September 2021. For more information, see Newsletter 2/2021.

2.1.8.- Conference COGITO ERGO SUD - An

active South Italy, Engine of Design Capabilities. Bari, 24 October 2021. It discussed the political and economic situation of Southern Italy in the period post COVID-19 and the Recovery Plan of the Italian Government. For more information, see Newsletter 2/2021.

2.2.- Brief summary of the topics addressed

In the period 2020-2024, the aim of the Commission is to explore, although not limited to, the following themes in its conferences, workshops and panels, which were also the topics proposed for the meetings held in 2021 (<https://sites.google.com/site/igugeogov/aims>):

1. Local government reforms
2. Urban and metropolitan governance
3. Local Government and the 2030 Agenda: 'localization' of the Sustainable Development Goals
4. Urban, local and regional government responses to the Covid-19 pandemic: lessons for building resilient territories
5. Decentralization and multi-layered governance: new relations between national, regional and local government in the post-pandemic
6. Digitalization of local government and Citizen e-Participation
7. Governance of spatial planning processes
8. Citizen participation in local and regional government
9. Administrative fragmentation and merger reforms
10. Decentralized cooperation and development
11. Inter-municipal cooperation
12. Cross-border municipal and regional cooperation
13. Climate change, the governance of complex environmental systems and the challenges for local action
14. Age-, disabled-, minorities, and gender-responsive approaches in urban, local and regional government policies

15. Administrative systems, housing, health services, and local public service delivery
16. Local government finance systems
7. Anthropocene: changes and challenges for urban, local and regional governance
18. Governance in conflict and post-conflict areas
19. Transparency, accountability, good governance, and human rights in local and regional government
20. Big Data and new digital research methods in urban governance

2.3.- Meetings planned to be held in 2022 and later years

The meetings planned for 2022 are dependent on the evolution of the COVID-19 pandemic. Several scenarios have been considered: on-site; hybrid; and on-line meetings. The final decisions will be taken near the date of each event taking into account the recommendations and norms defined by the relevant health authority.

2.3.1.- IGU-UGI Paris 2022: 100^e anniversaire de la fondation de l'UGI / 100th IGU anniversary - 'Le temps des géographes' - 'Time for geographers', Paris, 18-22 July 2022. The IGU Commission on Geography of Governance will participate in the 100th IGU anniversary, to be held in Paris, France, on 18-22 July 2022, with 8 sessions. For more information, see Newsletter 2/2021 and the IGU CGoG website: <https://sites.google.com/site/igugeogov/next-conferences>.

2.3.2.- IGU CGoG 2022 Annual Conference - Mexico City, Mexico, 29-31 August 2022. The International Conference on Local Governance in a Time of Global Emergencies, convened by the International Geographical Union (IGU) Commission on Geography of Governance, and organized in collaboration with the Metropolitan Autonomous University - UAM and the National Autonomous University of Mexico - UNAM, will be held in Mexico City, Mexico, on August 29-31, 2022. The Conference aims to explore and to discuss the challenges and innovations confronting Local and Urban Governance in the context of global emergencies. For more information, see the

Conference website: <https://sites.google.com/view/geogov2022/home>

2.3.3.- 6th Conference on Urban e-Planning, 7 - 12 April 2022, Lisbon - Portugal. The 6th International Conference on Urban e-Planning will be held in Lisbon, Portugal, on 7-12 April 2022. The Conference aims to explore: the governance and planning of smart cities; the role of urban e-planning in sustainable urban development and in the response to the challenges of climate change; new developments in citizen e-participation in planning; and the urban e- governance responses to the Covid-19 pandemic. For more information, see the conference website: <https://sites.google.com/view/uep2022conference/home>

2.3.4.- Workshop on 'Smart and Resilient Local Governance', Győr, Hungary, on 6-7 June 2022. The workshop addresses aspects of the functioning of local government in responding to challenges of the pandemic and climate crisis and the implications for the future of local governance. The Workshop will address the following topics: Local Government and the Response to Climate Emergency / Climate Change; Local Government and the Response to Covid-19 Pandemic; and Smart Cities and Smart Local Governance. For more information, see the Workshop website: <https://sites.google.com/view/igugeogov-gyor2022/home>

2.3.5.- Plan for other meetings (workshops / conferences / panels). We also aim to take part in other meetings in Europe (RGS-IBG, AESOP, etc.), North America (AAG, UAA, etc.), South America (e.g., Latin America Geographers), Asia (e.g., China, Japan), Oceania (e.g., NZGS-IAG), and in Africa (North and sub-Saharan).

3. Networking

Networking activities during 2021 were strongly limited due to the restrictions associated with the COVID-19 pandemic. We expect to return to normal activity during 2022.

4. Research Projects

4.1.- The IGU Commission continued in 2021 the development of its collaborative Action Plan and

research project focused on the 'Local Government response towards the COVID-19 Pandemic', which was launched on 25 March 2020 (more information, [here: https://sites.google.com/view/igucgog-covid19/home](https://sites.google.com/view/igucgog-covid19/home))

4.2.- The IGU Commission launched in October 2021 a new collaborative Action Plan and research project, focused on the 'Local Governance and Climate Emergency: Strategies, Plans, Actions, Outcomes, Impacts' (more information, [here: https://sites.google.com/view/igucgog-climateemergency/home](https://sites.google.com/view/igucgog-climateemergency/home))

5. Publications in 2021 and forthcoming

The list of publications pertaining to the theme of the Commission on Geography of Governance, authored and/or edited by members of the Steering Committee is below. Some of the collective works listed engage also corresponding members and some are fully based on initial contributions presented in meetings or sessions organized or endorsed by the Commission in previous years.

5.1. Newsletters published in 2021 (annex as separate file to this report)

Annex 1_IGU CGoG_(C16.12)_IGU Commission Geography of Governance - Newsletter 1/2021(January-June 2021)

Annex 2_IGU CGoG_(C20.15)_IGU Commission Geography of Governance - Newsletter 2/2021 (July-December 2021)

5.2. Flyers, CFP and other materials published in 2021

See the Annex - list of files.

5.3. Books published

Silva, Carlos Nunes (Ed.) (2022). Local Government and the COVID-19 Pandemic - A Global Perspective. Cham: Springer (ISBN-13: 9783030911119).

Trono, Anna (2021). Sustainable Tourism and Cultural Routes in the Ionian and Adriatic Regions. Panico Publisher.

Trono, Anna; Arthur P.; Servantie A. & Sánchez

García, E. (eds.) (forthcoming).

Emperor Charles V and the beginnings of globalization. The Mediterranean, The Kingdom of Naples and Terra d'Otranto on a New World Stage, TAB Publisher, Rome.

Trono, Anna; Duda T. & Schmude J. (eds.) (forthcoming). Over Tourism and "Tourism Over". Recovery from COVID19 Tourism Crisis in Regions with Over and Under Tourism. World Scientific.

5.4. Book chapters

Bucek, Jan (2022). Local self-government and governance during Covid-19 pandemic in Slovakia. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Glezer, Olga; Evgeny Antonov, Sergey Safronov, Alexander Sheludkov, Kirill Strakhov, Maria Zotova, (2022). The Role of Regional and Local Governance in Dealing with the Socioeconomic Consequences of the COVID-19 Pandemic in Russia. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'.

Cham: Springer.

Kaczmarek, Tomasz & Mikula, Lukasz (2022). Presidential Elections in Poland during the Covid-19 Pandemic: An Unexpected Challenge for Political Actors and the Relationship between National Government and Local Government. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'.

Cham: Springer.

Maeda, Yosuke (2021). *Changing Community Governance in the Coastal Fishing Regions*. In: Ikeguchi, Akiko, Yokoyama, Takafumi & Sakita, Seishiro. (eds.) Adaptive fisheries governance in changing coastal regions in Japan. Springer, pp. 3-19.

McNeill, Jeffrey & Andy Asquith (2022). End of the World: New Zealand's local government and Covid-19. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A

Global Perspective'. Cham: Springer.

Purkarthofer, Eva & Schmitt, Peter (2021) Spatial Framing within EU Cohesion Policy and Spatial Planning: Towards Functional and Soft Spaces, Yet on Different Paths. In Rauhut, Daniel; Sielker, Franziska and Humer, Alois (eds.). EU Cohesion Policy and Spatial Governance - Territorial, Social and Economic Challenges. Edward Elgar: Cheltenham, pp. 31-47.

Silva, Carlos Nunes (2022). Local Government and the Covid-19 Pandemic: An Introduction.

In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19

Pandemic: A Global Perspective'. Cham: Springer..

Silva, Carlos Nunes (2022). Local Government response towards COVID-19 Pandemic in Portugal. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Trono, Anna (2021). RST and sustainable development In: D.H., Olsen, Timoty, D. (eds).

Handbook of Religious and Spiritual Tourism. Routledge, pp. 439-457.

Trono, Anna & Castronuovo V. (forthcoming). Pilgrimage Tourism, Accessibility and Local Communities in Western Countries. In: Santos Solla X.M., Prozano

R.N. (eds) Host Communities and Pilgrimage Tourism: Asia and Beyond, Cham: Springer.

Trono, Anna & Castronuovo, V. (2022). Reorganisation of businesses and processes and development of policies for safely emerging from the Covid-19 pandemic in Italy. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Trono, Anna (forthcoming). Puglia, terra di arrivo e area di transito di pellegrini verso l'Oriente. Nuove occasioni di turismo esperienziale e prospettive di turismo durevole nell'area mediterranea. In G. Otranto (ed). "Francigena: Via per Roma, Santiago, Gerusalemme" (Atti

Convegno Monte Sant'Angelo, 11-13 ottobre 2019). Regione Puglia.

Trono, Anna; Prete M.I., Palmi P. (2021). Unitwin network

Culture Tourism Development (ed.) Tourism Management at UNESCO world Heritage Sites Volume 3, Université Paris 1 Panthéon Sorbonne, 2021.

5.5. Articles in peer-reviewed international journals

Bąkowska-Waldmann E., & Kaczmarek, Tomasz (2021). The Use of PPGIS: Towards Reaching a Meaningful Public Participation in Spatial Planning. *International Journal of Geo-Information*, 10, 581. <https://doi.org/10.3390/ijgi10090581>

Kaczmarek, Tomasz (2021). A Tailor-Made Metropolitan Union. Is This a Good Solution of the Metropolitan Governance Problem in Poland? *Front.*

Sustain. Cities. <https://doi.org/10.3389/frsc.2021.724354>

Kakai, Laszlo & Pálné Kovács, Ilona (2021). Counties in a vacuum: The electoral consequences of a declining meso-level in Hungary. *Regional and Federal Studies*, 31-3 405-418.

Pálné Kovács, Ilona (2021). Politics without meso-level. No politics at the meso?

Frontiers in Political Science, 3.

Borén, Thomas & Schmitt, Peter (2021) Knowledge and place-based development – towards networks of deep learning, *European Planning Studies*, <https://doi.org/10.1080/09654313.2021.1928042>

Weck, Sabine; Madanipour, Ali & Schmitt, Peter (2021) Place-based development and spatial justice, *European Planning Studies*, <https://doi.org/10.1080/09654313.2021.1928038>

Silva, Carlos Nunes (2021). *A decade of Urban e-Planning*. In: *International Journal of E-Planning Research*, Vol. 10 (3).

Accessible Tourism in World Heritage Sites. The Case Study of the City of Matera in Southern Italy. In: Unesco

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Silva, Carlos Nunes (2021). *Urban E-Planning and the COVID-19 Pandemic: Public Health Response and Transformative Recovery*. *International Journal of E-Planning Research*, Vol. 10 (2).

Trono, Anna & Castronuovo V. (2021). The Via Francigena Del Sud: The Value of Pilgrimage Routes in the Development of Inland Areas. Two Emblematic Cases. Special Issue, *Revista Galega de Economía*, 2021, 30 (3), 7701.

Trono, Anna & Castronuovo V. (forthcoming). Musical Festivals and Cultural Tourism. The case of Martina Franca in the Valle d'Itria in Southern Italy. In: Special Issue on Festival Cities and Cultural Tourism (Eds. By G. Richards and Maria del Pilar Leal Londoño).

Trono, Anna & Oliva, L. (2021). Innovations in a Traditional Landscape of Pilgrimage: The Via Francigena del Sud towards Rome and Other Apulian Pilgrim's Routes. *Religions*, 12, 1065.

5.6. Conference presentations

Bucek, Jan (2021). *Local self-government and governance during Covid-19 pandemic in Slovakia*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Horeczki, Réka; Ilona Pálné Kovács (2021). Governance challenges in Hungary, especially in Baranya county In: 60th ERSA Congress: Territorial Futures – Visions and scenarios for a resilient Europe. Abstract Book. Bolzano, The European Regional Science Association.

Maeda, Yosuke & Kaoru Mitani (2021). Influence of Consolidation of Municipalities on Local and Community Governance of Peripheral Areas: A Case Study of Sasebo City, Japan. Presentation at IGU 34th Geographical Congress, Istanbul, Turkey, 16-20 August 2021. Maeda, Yosuke

(2021). *How did non-contiguous municipalities merge in Japan's great Heisei mergers?*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Mikula, Lukasz & Kaczmarek, Tomasz (2021). *Presidential Elections in Poland during the Covid-19 Pandemic: An Unexpected Challenge for Political Actors and the Relationship between National Government and Local Government*. Presentation at IGU CGoG

Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Mikula, Lukasz & Kaczmarek, Tomasz (2021). *The presidential elections in Poland during the Covid-19 pandemic. The unexpected challenge for political actors and relations between central and local government*. Presentation at AAG 2021 Annual Meeting, 7-11 April 2021.

Pálné Kovács, Ilona (2021). *Is it the time to centralize?* Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Razin, Eran (2021). *The Corona and the Arnona: Implications of the Coronavirus Pandemic on Finance and Planning in Israel's Local government*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021..

Sabine Weck & Peter Schmitt (2021). *Approaching spatial justice in local development actions: an investigation into procedural promoters and inhibitors in relation to the perceived outcomes*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Silva, Carlos Nunes (2021). *Citizen Participation*

5.7. Book reviews & Conference Reports

Schmitt, Peter (2021). Book review. Fricke, Carola

In Urban Planning In Portugal 1920 - 2020.

Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Silva, Carlos Nunes (2021). *Local Government response to Covid 19 in Portugal*.

Presentation at AAG 2021 Annual Meeting, 7-11 April 2021.

Silva, Carlos Nunes (2021). *Local government response to the COVID-19 Pandemic*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

Silva, Carlos Nunes (2021). *Public Participation in Urban Planning: from symbolic engagement to citizen control*. Presentation at IGU Thematic Conference 'Heritage Geographies: Politics, Uses and Governance of the Past', Lecce (Italy), 27 - 29 May, 2021.

Silva, Carlos Nunes (2021). *Citizen Participation in Urban Planning in Portugal 1920 - 2020*. Presentation at IGU 34th Geographical Congress, Istanbul, Turkey, 16-20 August 2021.

Silva, Carlos Nunes (2021). *Local Government in Angola, Cape Verde and Mozambique 1975-2020*. Presentation at IGU 34th Geographical Congress, Istanbul, Turkey, 16-20 August 2021.

Silva, Carlos Nunes (2021). *Local Government Response to the Covid-19 Pandemic: Insights from the Case of Portugal*. Presentation at IGU 34th Geographical Congress, Istanbul, Turkey, 16-20 August 2021.

Trono, Anna (2021). *Italian government response to the coronavirus outbreak in support of the cultural and creative sectors*. Presentation at IGU CGoG Annual Conference on 'New Challenges of Local Governance in Times of Uncertainty and Complexity', Poznań, Poland, 23-23 June 2021.

(2020): *European Dimension of Metropolitan Policies*. Policy Learning and Reframing of

Metropolitan Regions. *Raumforschung Und Raumordnung | Spatial Research and Planning*, 79(2), 197-199. <https://doi.org/10.14512/rur>.

Silva, Carlos Nunes (2021). *Book review 'Planning for Climate Change'*. In: *International Journal of E-Planning Research*, Vol. 10 (1).

Silva, Carlos Nunes (2021). *Book review 'Planning History'*. In: *International Journal of E-Planning Research*, Vol. 10 (2).

Silva, Carlos Nunes (2021). *Book review 'Planning Theory'*. In: *International Journal of E-Planning Research*, Vol. 10 (4).

5.8. Working papers

Jochen Franzke (2020). German Municipalities in the COVID-19 Pandemic Crisis. Challenges and Adjustments. A preliminary analysis. In *IGU Commission Geography of Governance (2020). Local Government Response Towards Covid-19 Pandemic: a Worldwide Survey and Comparison* [URL: [https:// sites.google.com/view/igucgog-covid19/working-papers](https://sites.google.com/view/igucgog-covid19/working-papers)].

Finta, István; Kovács, Katalin & Pálné Kovács, Ilona (2020). The Role of Local Governments in Control the Pandemic in Hungary . In *IGU Commission Geography of Governance(2020). Local Government Response Towards Covid-19 Pandemic: a Worldwide Survey and Comparison*. [URL: <https://sites.google.com/view/igucgog-covid19/working-papers>].

Tony Gore; Emma Bimpson; Julian Dobson & Steve Parkes (2021). Local Government Responses to the COVID-19 Pandemic in the UK: A Thematic Review. In *IGU Commission Geography of Governance (2021). Local Government Response Towards Covid-19 Pandemic: a Worldwide Survey and Comparison*. [URL: [https://sites.google.com/ view/igucgog-covid19/working-papers](https://sites.google.com/view/igucgog-covid19/working-papers)].

5.9. Special Issues in peer-reviewed international journals

Carlos Nunes Silva edited a Special Issue on *Urban E-Planning and the COVID-19 Pandemic*

in the *International Journal of E-Planning Research*, Vol. 10 (2), 2021.

Special issue in the journal 'People, Place And Policy', co-edited by Tony Gore (University of Sheffield, UK) and Carlos Nunes Silva (University of Lisbon, Portugal) - Editorial: Instruments, Resources and Collective Action: Introduction to Special Section on Geographies of Local Governance, Volume 14 - Issue 3.

6. Commission's web site

The current accurate URL of the commission's web site is this: <https://sites.google.com/site/igugeogov/Beside> s information about current and future activities, the site serves also as on-line archive of the Commission with all newsletters and information on past steering committees, meetings, publications, and photo galleries related to the commission activities.

The Commission is also associated with a blog and a mailing list focused on issues of local government and local governance

The blog address is: <http://igugeogov.blogspot.pt/>

The mailing list address is: <https://sites.google.com/site/igugeogov/mailling-list>

7. Archival Contributions

All newsletters, flyers, conference programs were sent to the IGU Secretary General and also to the IGU Archive at the University of Leipzig, in December 2021 (44 documents). The Commission website has also a digital archive of the Commission. This archive provides online open access to all newsletters, to the photo gallery of the meetings organized by the Commission, to the list of conferences and publications, membership, its aims and research themes, as well as an historical overview of the Commission.

8. IGU Commissions Excellence Award 2020

The IGU Commissions Excellence Award Committee unanimously nominated the Commission "Geography of Governance" for the IGU Commissions Excellence Award 2020:

«The Commission "Geography of Governance" is

very active and highly productive. It participates consistently in IGU Congresses and Conferences, organizing successful sessions on processes of governance worldwide. The Commission is exceptionally active, has a strong tradition of collaboration with IGU Commissions as well as organisations outside IGU. The Commission collaborated in 2020 with several IGU Commissions in the Thematic Conference on Geographies of Heritage, in Lecce (the thematic conference was later postponed to 2021, because of the COVID emergence). The Commission has developed a diverse way of communication, internally and externally, through its website, newsletter and email list. The Commission has been also successful in publishing, producing a relevant list of titles, authored or edited by members of the Steering Committee. Moreover, the Commission

ANNEX TO THIS REPORT (42 documents, as separate files)

Annex 1_ IGU CGoG Newsletter 1/2021 (January-June) Annex 2_ IGU CGoG Newsletter 2/2021 (July-December) Annex 3_ IGU CGoG - Commission excellence award 2021 Annex 4_ IGU-CGoG Action Plan on the Covid 19 Pandemic
Annex 5_ IG CGoG Action Plan on Local Governance and Climate Emergency Annex 6_ Book Local Government and Covid_cover
Annex 7_ IGU - CGoG_ProjectPandemic_WP1 Annex 8_ IGU-CGoG_ProjectPandemic_WP2 Annex 9_ IGU-CGoG_ProjectPandemic_WP3
Annex 10_ Urban Planning and Covid-19_ Special Issue - Editorial Annex 11_ AAG_2021_IGU-CGoG-Sessions Annex 12_ AAG_2021_IGU-CGoG-Session I Annex 13_ AAG_2021_IGU- CGoG-Session II Annex 14_ AAG_2021_IGU-CGoG-Session III Annex 15_ AAG_2021_IGU-CGoG-Session IV Annex 16_ AAG_2021_IGU-CGoG-Session V Annex 17_ AAG_2021_IGU- CGoG-Session VI
Annex 18_ IGU Thematic Conference_Lecce_May 2021- poster Annex 19_ IGU Thematic Conference_Sessions 12-13-14-15 Annex 20_ IGU CGoG_Thematic Conference Sessions Program
Annex 21_ IGU CGoG_Thematic Conference_Round Table_GovHerit_28 05 2021
Annex 22_ IGU CGoG-IGU THEMATIC

launched, on 25 March 2020, a collaborative Action Plan and research project focused on the “Local Government response towards the COVID-19 Pandemic” (see <https://sites.google.com/view/igucgog-covid19/home>), an initiative of great importance for knowledge and research on public action to spatial reorganisation and disaster containment. The IGU Commissions Excellence Award Committee commends the Commission “Geography of Governance” for its excellent work.»

This report is structured following the instructions of the IGU Executive Committee. Lisbon, 7

January 2022

Carlos Nunes Silva

Chair of the IGU Commission Geography of Governance (C20.15) Institute of Geography and Spatial Planning, University of Lisbon, Portugal

CONFERENCE-PROGRAM

Annex 23_ IGU POZNAN 2021_CFP Annex 24_ IGU POZNAN 2021- PROGRAM
Annex 25_ IGU POZNAN 2021-Abstracts
Annex 26_ IGU POZNAN 2021 - Commission Presentation_POZNAN_23 06 2021
Annex 27_ IGU POZNAN 2021- Opening Session_23 06 2021 Annex 28_ IGU POZNAN 2021-Closing Session_24 06 2021
Annex 29_ IGU CGoG_ Call for Abstracts_34th IGU Congress 2020 Annex 30_ IGU CGoG_ Call for Abstracts_34th IGU Congress 2021 Annex 31_ IGU CGoG_Sessions 34 Geographical Congress
Annex 32_ IGU CGoG_5th Urban e_Planning Conference_Call for Papers Annex 33_ IJEPR 2021 Conference_flyer
Annex 34_ UEP2021_Scheme Slots-Tracks_28 08 2021
Annex 35_ UEP2021_ProgSummary_final_10 09 2021
Annex 36_ UEP2021_PROGRAM_FINAL_10 09 2021
Annex 37_ UEP2021_PROGRAM_ABSTRACTS_10 09 2021
Annex 38_ UEP 2021 Opening Session Annex 39_ UEP 2021 Closing Session
Annex 40_ IGU CGoG_IGU Centennial Congress_Sessions_CFP Annex 41_ IGU CGoG_2022 Annual Conference_Call for Papers
Annex 42_ IGU CGoG_6th Urban e_Planning Conference_Call for Papers

C20.16 COMMISSION ON GEOGRAPHY OF INFORMATION, INNOVATION AND TECHNOLOGY ANNUAL REPORT 2021

The Commission on Geography of Information, Innovation and Technology has had a productive period during the past two years with active plans for future events and activities. This report summarizes the Commission's steering committee and general membership, past and future events, and collaborations.

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Vice-chair

Kenji Hashimoto, Waseda University Tokyo, Japan E-mail: hashimoto@waseda.jp

Executive Secretary:

Philippe Vidal, Université du Havre, France Email: philippe.vidal@univ-lehavre.fr

Steering Committee Members:

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Emmanouil Tranos, University of Birmingham, UK Email: e.tranos@bham.ac.uk; e.tranos@bristol.ac.uk

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Honorary members:

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Maria Paradiso, Università degli Studi del Sannio, Italy Email: maria.paradiso@unimi.it

Mark Wilson, Michigan State University, USA Email: wilsonmm@msu.edu

Membership

Currently, there are 116 members on the Commission mailing list. The locations include United States (34), France (10), Italy (8), United Kingdom (8), Germany (7), Japan (7),

India (6),

Finland (3), Greece (3), Israel (3), Netherlands (2), Australia (2), Canada (2), China (2), South-

Korea (2), Argentina (1), Austria (1), Belgium (1), Czech Republic (1), Cyprus (1),

Hongkong

(1), Ireland (1), New Zealand (1), Nigeria (1), Poland (1), Singapore (1), South Africa (1), Spain

(1), Sweden (1), and unknown (3).

2. Meetings 2021

The 2020 was a Covid-19 year. This affected all activities by the commission and due to the strict

travel restrictions and health-first principle, we did not organize physical meetings. If the situation normalizes, we aim to uphold our earlier principle that the Commission should be able to develop sessions annually. In general, if the large meeting schedule principle continuous to be every two years, we plan to hold our own meetings in non-IGU years. Before the pandemic, our Commission has been able to include dedicated sessions at other conferences to maintain interest and access to the Commission's core focus on information society. These include e.g. AAG and Regional Studies events. In 2021 we were present at the virtual 34IGC in Istanbul:

- 2020 – August – Istanbul meeting was cancelled due to Covid-19.. 2021 – August – Commission organized three sessions in re-scheduled virtual IGC34 (Istanbul). Due to a relatively expensive price for a virtual meeting we had only 7 to 9 participants in each session. Overall quality was good and the national diversity quite ok. Majority of the participants in sessions were from Asian countries (Japan and South-Korea). Total number of participants in our sessions: 21.

Cancelled meetings in 2020

Due to the COVID-19 outbreak the year 2020 was an unexpected exception in the history of the Commission. Our plans for the year 2020 included the following meetings:

- 2020 April – Commission support for a session as part of the AAG annual meeting in Denver, Colorado.
- 2020 June – Mobile Tartu, Commission supports the international conference in Estonia, Tartu, initiated by our past steering group member, Prof. Rein Ahas.
- 2020 July - the Commission organizes session(s) for the International Urban Planning and Environment Conference to be held in Tartu, Estonia, July 20–23, 2020.
- 2020 August – Commission organizes/co-organizes three (or up-to five sessions) in the 34th IGC in Istanbul. Three sessions have already been accepted by the local

organizers. We expect around 20–30 commission members to participate the event.

None of these events realized. There were free-of-charge webinars substituting the real life meetings but their participation is unknown to us as the sessions were reorganized by the local committees.

Future events in 2022

If the Covid-19 pandemic subdues we are organizing 4 sessions in the centennial meeting 2022 in Paris. They are confirmed. We also encourage our members in national committees and societies to organize special sessions on the topics of our commission.

However, due to the uncertainty related to physical travel these plans vary on the daily bases. As such, for example, our commission did not recommend any sessions for the 2022 AAG NY meeting where we traditionally have had our specific topic sessions in collaboration with relevant AAG committees.

3. Networking

Collaboration occurs with scholarly groups and with two journals. Details include:

- IGU collaboration has been with a number of Commissions members including commissions such as Tourism, Leisure, and Global Change, Urban Geography, and the Mediterranean Basin.
- *NETCOM* is the official Journal of the IGU Commission on the Geography of Global Information Society, and is published under the auspices of the Study Group MTE (CNRS) and Université of Montpellier III, the International Geographical Union, and the French National Committee on Geography. *NETCOM* takes an interdisciplinary perspective on networks, communications, and space.
- *Journal of Urban Technology*, which has commission members on its editorial board and publishes articles, and when possible, special issues drawn from Commission, AAG and IGU conference sessions.⁴

4. Publications

Information is disseminated regularly to Commission members via e-mail, including updates on Commission activities, meetings and publications of interests, and requests for information for scholars studying information society. The Commission also uses its websites to inform members of activities. The Commission website is www.igu-informationsociety.org (or alternatively <https://journals.openedition.org/netcom/251>)

Commission members have published extensively in the leading journals of the field during 2020–2021. The members have also published books with leading publishers such as Routledge, Springer and Edward Elgar; and they work actively as editors, editorial board members and reviewers in numerous international journals.

Commission affiliated Journal of Urban Technology (Taylor & Francis) is currently ranked 4th in Web of Science Impact Factor listing in the category “Urban Studies” (Impact Factor: 5.465).

Commission members have published a significant amount of scientific books during the period (2020–2021). These include e.g. from the chairperson in collaboration with board members (just to name a few examples from the vast array of our members research and topics):

Books and Special Issues:

Inkinen, T., Yigitcanlar, T. & M. Wilson (eds. 2021). *Smart Cities and Innovative Urban Technologies*. Routledge, London. <https://www.routledge.com/Smart-Cities-and-Innovative-Urban-Technologies/Inkinen-Yigitcanlar-Wilson/p/book/9780367677930>

Inkinen, T., Yigitcanlar, T. & M. Wilson (eds. 2021). *Special Issue: Sustainable mobility and transport*. Sustainability. https://www.mdpi.com/journal/sustainability/special_issues/Mobility

Di Vita, S. & M. Wilson (eds. 2020): *Planning and Managing Smaller Events: Downsizing Urban Spectacle*. Routledge, London. DOI: 10.4324/9780429266263

Inkinen, T. (ed. 2020). *Special Issue: Clusters, Geographies, Economies, Innovations*. Journal of Open Innovation. https://www.mdpi.com/journal/JOItmC/special_issues/Clusters_Geographies

Kellerman, A. (2020). *Globalization and Spatial Mobilities*. Edward Elgar, Cheltenham. <https://www.e-elgar.com/shop/gbp/globalization-and-spatial-mobilities-9781789901214.html>

Refereed international journal articles

Brunila, O.-P., Kunnaala-Hyrkki, V. & T. Inkinen (2021). *Hindrances in port digitalization? Identifying problems in adoption and implementation*. European Transport Research Review. Accepted.

Goddard, M., Davies, Z. Guenat, S... & M. Dallimer (2021). *A global horizon scan of the future impacts of robotics and autonomous systems on urban ecosystems*. Nature Ecology & Evolution, 5, 219–231. DOI: 10.1038/s41559-020-01358-z

Inkinen, T., Helminen, R. & J. Saarikoski (2021). *Technological Trajectories and Scenarios in Seaport Digitalization*. Research in Transportation Business and Management. Article nr.

100633. DOI: 10.1016/j.rtbm.2021.100633

Inkinen, T. & S. Jokela (2021). *Start-ups, business investors and flow of music: contrasting two creative events in Helsinki, Finland*. In Di Vita, S. & M. Wilson (eds.): *Planning and Managing Smaller Events: Downsizing Urban Spectacle*. Routledge, London. (JUFO:3). ISBN: 978-0-367-21815-7. DOI: 10.4324/9780429266263

Makkonen, T. & T. Inkinen (2021). *Systems of Environmental Innovation: Sectoral and Technological Perspectives on Ballast Water Treatment Systems*. WMU Journal of Maritime Affairs. DOI: 10.1007/s13437-021-00226-2

Yigitcanlar, T., Kankanamge, N., Inkinen, T., Butler, L., Preston, A., Ostadnia, M., Gill, P., Ioppolo,

G. & M. Senevirathne (2021). *Pandemic Vulnerability Knowledge Visualisation for*

Strategic Decision-Making: A COVID- 19 Index for Government Response in Australia. Management Decision. DOI: 10.1108/MD-11-2020-1527

Brunila, O.-P., T. Inkinen, V. Kunnaala-Hyrkki, E. Hämäläinen & K. Ala-Rämi (2020). Black carbon, maritime traffic and the Arctic. In Pongrácz, E., Pavlov, V. & N. Hänninen (eds.): Arctic Marine Sustainability: Arctic Maritime Businesses and the Resilience of the Marine Environment, 165–177. Springer, New York. (JUFO:2). DOI: 10.1007/978-3-030-28404-6_8

Inkinen, T. & E. Hämäläinen (2020). Reviewing truck logistics: Solutions for achieving low emissions freight transport. Sustainability 12,

6714. DOI: 10.3390/su12176714

Sabatini-Marques, J., Yigitcanlar, T., Schreiner, T., Wittmann, T., Sotto, D. & T. Inkinen (2020). Strategizing Smart, Sustainable, and Knowledge-Based Development of Cities: Insights from Florianópolis, Brazil. Sustainability 12, 8859. DOI: 10.3390/su12218859

5. Archival Contributions

Our website includes a short description and evolution of the Commission during its 30- years of history. The website also includes the names of successive chairs of the Commission. The history is available at <https://journals.openedition.org/netcom/2512#tocto1n2>

COMMISSION (C16.14) ON THE GEOGRAPHY OF TOURISM, LEISURE AND GLOBAL CHANGE REPORT 2021

Continuing to expand its global reach and academic impact on the field of tourism geographies during 2021, the IGU Tourism Commission's objective is to examine the geographical nature of tourism, leisure and global change. Tourism and leisure are seen as deeply geographical phenomena that don't happen in a socio-spatial vacuum. They are understood as social and cultural activities occurring in space, place and time. Therefore, tourism and leisure are placed within wider societal contexts and human mobilities at local, regional, national and global scales. The current processes of globalization or global change in tourism geographies affecting communities and environments in different places are not seen as one dimensional but as interactional and interrelated; globalisation and related mobilities in tourism and leisure are also mediated by local and regional factors creating unique outcomes in different places. The overall objectives of the Commission will be pursued over the life of the Commission through a set of *research tasks* that are defined through discussions with members and modified as appropriate during Commission meetings and via collaborative publications and other activities.

2021 was a busy and dynamic year for the Commission, in spite of the various challenges posed by the Covid-19 pandemic. Encouragingly, 2022 looks to be an even busier year for us, with several cutting edge Commission events taking place once more in face-to-face format (in Wageningen, Paris and Cuenca). Our collaborations with other Commissions and other organisations also continue to build bridges between different parts of our global tourism geographies community, promoting collaborative ventures and research synergies to define possible geographical approaches to tourism challenges in a post-pandemic context.

1. MEMBERSHIP

1.A. Commission Steering Committee Members

In 2021 the Commission has maintained the same leadership and composition of the Steering Committee members. The committee lineup (listed below) comprises six women and five men and has representatives from Europe, Africa, North America, South America, Asia and Oceania. Moreover, between ordinary and honorary members, the Commission works in a diversity of languages (English, German, Spanish, Portuguese, French, Polish, Chinese, Afrikaans, Swedish, Greek, Icelandic, Dutch, Croatian, Japanese and Finnish).

- Associate Professor Julie Wilson, Faculty of Economics and Business, Universitat Oberta de Catalunya, Spain (Chair) (jwilson2@uoc.edu)
- Professor Xu Honggang, School of Tourism and Management, Sun Yat-Sen University, China (Vice-chair) (xuhongg@mail.sysu.edu.cn)
- Professor Joseph M. Cheer, Center for Tourism Research, Wakayama University, Japan (jmcheer@wakayama-u.ac.jp)
- Professor Velvet Nelson, Department of Geography and Geology, Sam Houston State University, USA (vnelson@shsu.edu)
- Professor Theano S. Terkenli, Department of Geography, University of the Aegean, Greece (terkenli@aegean.gr)
- Professor Gustav Visser, Department of Geography and Environmental Studies Stellenbosch University, South Africa (gevisser@sun.ac.za)
- Professor Rita de Cássia Ariza da Cruz,

Department of Geography, University of Sao Paulo, Brazil (ritacruz@usp.br)

- Professor Dominic Lapointe*, Département d'études urbaines et touristiques, Université du Québec à Montréal, Canada (lapointe.dominic@uqam.ca)
- Professor Edward Huijbens*, Cultural Geography Group, Wageningen University and Research, The Netherlands (edward.huijbens@wur.nl)
- Senior lecturer Bernadette Quinn*, College of Arts and Tourism, Technological University Dublin, Ireland (bernadette.quinn@dit.ie)
- Professor Vuk Tvrtko Opačić*, Department of Geography, University of Zagreb, Croatia (vtopacic@geog.pmf.hr)

The commission also has a number of honorary members (previously full members):

- Prof. Alan A. Lew, Department of Geography, Planning & Recreation, Northern Arizona University, USA, alan.lew@nau.edu
- Prof. Sanette Ferreira Department of Geography and Environmental Studies, Stellenbosch University, South Africa, slaf@sun.ac.za
- Prof. Carolin Funck, Department of Integrated Global Studies, Hiroshima University, Japan, funckc@hiroshima-u.ac.jp
- Prof. Jie Zhang, Department of Land Resource and Tourism, Nanjing University, China, jiezhang@nju.edu.cn
- Prof Alison Gill, Department of Geography, Simon Fraser University, Canada, agill@sfu.ca
- Assoc. Prof. Anne-Marie d'Hauteserre, Department of Geography, Tourism &

Environmental Planning, University of Waikato, New Zealand, adhautes@waikato.ac.nz

- Prof. Jarkko Saarinen, Department of Geography, University of Oulu, Finland, jarkko.saarinen@oulu.fi
- Professor Dieter K. Müller, Department of

Geography, Umeå University, Sweden, dieter.muller@umu.se

- Professor Maria Gravari-Barbas, Institut de Recherche et d'Études Supérieures du Tourisme, Paris 1 Panthéon-Sorbonne University, France, maria.gravari-barbas@wanadoo.fr
- Professor Marek Wieckowski, Polish Academy of Sciences, Institute of Geography and Spatial Organization, Warsaw, Poland, marekw@twarda.pan.pl
- Professor Tim Coles, University of Exeter Business School, UK, T.E.Coles@exeter.ac.uk

In response to the call for nominations for the **IGU Laureate d'Honneur 2022**, the Tourism Commission Board unanimously decided to present a nomination for one of our most esteemed and respected honorary members, **Emeritus Professor Alan A. Lew**, whose long-term contribution to both the IGU Tourism Commission and the subdiscipline of tourism geographies has left its indelible mark on our scholarly community. At the time of writing, the decision process is still underway.

1.B. Commission Corresponding Members

Since 2008 and until December 2020, the Commission corresponding member directory was based on the Commission IGUST -listserv: <http://tech.groups.yahoo.com/group/Tour1i3sm7Geography/>, which substituted a manual listing. Unfortunately, the listserv information was unable to support country based member listing, as it is based on members' names and email addresses only. In 2013 a manual inventory was made allowing to identify 631 individual addresses, of which 526 could be related to 67 countries. An update was made in 2018, with 730 corresponding members in 70 countries listed.

It is important to note that the GoogleGroups service (host platform for the Commission's listserv) ceased to operate in December 2020 and as such, the Commission decided not to depend on listservs, considering the reduced emphasis on listservs in academic communication more widely.

In 2021, a new unidirectional mailing list has been created using the Weebly/ Square account that hosts our website and corresponding members can subscribe to the Commission list via this page: <https://www.igutourism.org/stay-in-touch.html>. The Commission also has a dedicated email address (igucommissiontourism@gmail.com) for member enquiries.

In 2020 the Commission appointed Professor Joseph Cheer as communications manager and his efforts have been key in creating a strong social media presence for the Commission, including new handles on Twitter and Facebook for the dissemination of relevant material (see following section).

1.C. Commission Web Page and Social Media Handles

The Commission maintains a web page at: www.igutourism.org and is maintained by the Commission Chair, Dr Julie Wilson. The Commission's social media handles include:

- **Twitter** @igutourism (491 followers)
- **Facebook** - new page: <https://www.facebook.com/IGUTourism> (709 followers) // old group: <https://www.facebook.com/groups/295995097835187> (249 members)(we generally duplicate posts to both the new and old facebook handles in order to reach as many members as possible).

The Commission's web page was fully renewed in 2021 and its content and structure have been considerably reconfigured, taking into account the increased social media presence of the Commission and the new steering committee's goals for 2021-2024. The possibility of creating a simple intranet function will be explored in the future, though via the increased use of Google Drive and related permissions/restrictions, this may not be required.

The website contains a direct widget to our Twitter feed, in order that the very latest news be fully accessible via our website, even for those corresponding members who do not use Twitter or Facebook.

2. Meetings

2.A. IGU Tourism Commission Meetings that took place in 2021

- AAG 2021, Online, 7th-11th April 2021 (AAG-RTS specialty group and tourism sessions)
- IGU Thematic Conference: Heritage Geographies: Politics, Uses and Governance of the Past, Lecce, Italy, 26th-28th May 2021. Several sessions were organised by the IGU Commission on Tourism, Leisure and Global Change:
 - 1) Traditional agricultural landscapes, between Heritagization, Commodification and Tourism Sustainability (Chair: Elena Dell'Agnese).
 - 9) Education 'on the move': Exploring the heritage-tourism nexus (Chairs: Chiara Rabbiosi & Alessia Mariotti).
 - 10) Heritage Geographies of Tourism: prospects and challenges (Chairs: Jarkko Saarinen & Velvet Nelson).
 - 11) Heritage, tourism & ICTs in rural/marginal areas. A critical perspective (Chairs: Valentina Albanese & Teresa Graziano).
(Mail: info@heritagegeographies.it www.heritagegeographies.it).
- 34th IGC, Istanbul (Online), August 2021 (rescheduled from 2020). The IGU Commission on Tourism, Leisure and Global Change co-organized a number of sessions at this online meeting, including:
 - Big data and tourism (Chair: Dieter Müller / Tim Coles)
 - Economic geographies of tourism (Chair: Dieter Müller / Tim Coles)
 - Evolving geographies of Chinese outbound tourism (Chair: Joseph Cheer / Tim Coles)
 - P2P accommodation and tourism destinations beyond metropolitan areas (Chair: Czeslaw Adamiak)
 - Overtourism: A contemporary geography of excess and counterprotest (Chair: Joseph

Cheer/ Claudio Milano)

- o Tourism and climate interrelationships (Chair: O. Cenk Demiroglu / Daniel Scott / Michelle Ruty / David R. Perkin)
- o Tourism and the Sustainable Development Goals (Chair: Jarkko Saarinen)
- o Tourism shaping places (Chair: Velvet Nelson / Marek Wieckowski) More info: IGU tourism sessions 2021 Istanbul
Sponsored meetings (conference and session sponsorship)
- International webinar: Tourism, Space and the Body, 24th October 2021 (organised by Dr Maartje Roelofsen and Dr Julie Wilson, NOUTUR Research Group, Open University of Catalonia in collaboration with the IGU Commission on Tourism, Leisure and Global Change). Online event, free of charge. website:

<https://symposium.uoc.edu/70507/detail/the-body-in-tourism-during-pandemic-times.html> : Info: Maartje.Roelofsen@uoc.edu

2.B. Brief Summary of Activities

An important point of departure for the work plan is that tourism is inherently a geographical phenomenon with social, cultural, economic, political, and environmental significance. Tourism creates links between people and places, and connects different cultures and environments. Moreover, tourism is a major force for global change. It creates geographical imaginations, human mobilities and flows of culture, ideas, values, commodities, and capitals, and influences society far beyond the immediate tourism industry. At the same time tourism is embedded in other global processes creating constraints and opportunities for its development. Furthermore tourism is an important cause for global environmental change.

In a geographical tradition the commission addresses these issues with an integrated approach acknowledging the interrelationship of tourism to wider processes within society and environment. This is done at local, regional, national, and global

scales demonstrating links between these scales as well as outcomes of global change for individuals, communities, and societies. Current processes of global change in tourism geographies affecting communities and environments in different places are also mediated by local and regional factors. This creates unique geographical outcomes and contributes to the transformation of place. The commission applies a truly global perspective highlighting development in different parts of the world and through that acknowledging tourism as a formative cause for societal and environmental change in an increasingly interconnected world.

These ambitions can be summarised in a number of objectives to be addressed in the period until the next IGC in 2022. In accordance a set of *research 'tasks'* were defined as result of the outcomes of previous conferences and these have been maintained for 2022;

Task 1: Interpreting the role of tourism and leisure as an agent of and tool for regional change and community development in rural and urban environments, not least as response to global change

Task 2: Examination of the tourism – physical environment nexus, and particularly tourism's interrelationship with global climate change

Task 3: Examination of the interrelationship between tourism, peace, violence, ideology, and political change

Task 4: Understanding tourism's and leisure's role for sense of place, identity, culture, citizenship, and global awareness

Task 5: Bridging the gap between tourism geography and other geographies Task 6: Contributing to relevant international research programmes such as the

IYGU associated with the 13a9ims and objectives of the commission These tasks will be discussed and examined during the whole Commission time span. The table below (covering major meetings with Commission involvement) outlines the comparative international studies that have been undertaken through the various meeting activities

outlined above in relation to the goals and objectives of the Commission. The table indicates the extent to which the Commission has embraced particular tasks (T1–T6) through its various meetings as well as ensuring that specific research outputs such as proceedings and other publications are clearly tied to the Commission's objectives and goals.

The Commission intends to extend its collaboration with tourism-related interest groups of national geographical associations during the 2022-2024 period, via co- organisation of events but also via other bilateral initiatives.

Major Meetings 2017–2022 Preliminary Work Plan and proposed objectives, 2022-2023

An important point of departure for the commission's objectives is that tourism is inherently a geographical phenomenon with social, cultural, economic, political, and environmental significance. Tourism creates links between people and places, and connects different cultures and environments. Moreover, tourism is a major force for global change. It creates geographical imaginations, human mobilities and flows of culture, ideas, values, commodities, and capitals, and influences society far beyond the immediate tourism industry. At the same time tourism is embedded in other global processes creating constraints and opportunities for its development.

Furthermore tourism is an important cause for global environmental change. In a geographical tradition the commission addresses these issues with an integrated approach acknowledging the interrelationship of tourism to wider processes within society and environment.

Against this background the Commission for the Geography of Tourism, Leisure and Global Change plans to focus particularly two interrelated topics during the period 2022-2024:

1. Recovery for Reformation: During the recent COVID19 pandemic tourism is among the most impacted sectors of society. The outbreak of the virus and its global dissemination entailed a situation where almost all tourism was paused on a global

level. Pandemics, as for example the SARS-crisis, and other crisis have occurred earlier and research has assessed the impact of such events on tourism. However, the global dimension of the current crisis and its anticipated long-term impacts on the economy, imply that the topic will dominate the debate on tourism for the entire lifespan of the proposed commission. In this context the commission's objectives are:

- Analyzing the impact of the pandemic and other crisis on tourism as an economic activity
- Understanding community responses on tourism decline and develop models for a post-pandemic governance of tourism
- Assessing the impact of the pandemic on individuals and their tourism practices
- Analyzing the dissonance entailed by stakeholders interests for quick short-term recovery and long-term reformation of tourism, respectively

2. Tourism and Agenda 2030: Facing the global challenges to humanity, for example caused by climate change, the Commission will scrutinize how tourism geographies relate to the global sustainable development goals (SDGs). Tourism geographies do not approach tourism as an industry only, but have a long tradition of highlighting other aspects of tourism, also acknowledging planetary boundaries. Hence, the relationship of tourism to economy, society and biosphere have all been addressed previously. Indeed tourism is related to all 17 SDGs and thus, achieving the ambitious goals requires an engagement with tourism geographies. However, the pertinent challenge for the upcoming years is to develop knowledge on how to take action in order to reform tourism and turn it into a positive force enabling the achievement of the SDGs.

Hence, the objectives of the commission in relation to the Agenda 2030 are:

- Analyzing how tourism relates to the 17 SDGs and their sub-goals
- Developing and proposing new business and governance models for aligning tourism with the Agenda 2030 objectives and the SDGs
- Analyzing the interrelationship of tourism and parts of society, economy and the biosphere
- Bridging the gap between tourism geography and other geographies and sciences in order to contribute to a comprehensive understanding of complex challenges

This is a preliminary work plan. The new commission will develop a final version of the objectives and work plan to be implemented in the period 2021-2024.

2.C. Commission Meetings forthcoming in 2022

The Commission will organise, sponsor or co-sponsor the following meetings during 2022 and beyond;

- The 2022 IGU Tourism Commission Pre-Meeting immediately prior to the

Paris IGC will take place in **Wageningen, the Netherlands from 15th-17th July 2022, with the theme 'Time for Tourism Geographers'**, hosted by the Cultural Geography Group of Wageningen University. The pre-meeting will contain 22 presentations from 44 researchers. For more information:

<https://www.igutourism.org/wageningen-2022-pre-meeting.html> Chair: Prof. Dr. Edward Hákon Huijbens: edward.huijbens@wur.nl

- The 2022 Paris IGC will include 19 sessions sponsored by the IGU Tourism Commission, following a brilliant response to our call for sessions via our social media handles and through our corresponding membership network. IGU Tourism

Commission-sponsored sessions include -
A101414JI: **Tourism Transitions**
A101415JN: **New Urban Tourism, Challenges For Practice, Policy And Theory**

A101508DM: **From Second Homes To Zoom-Towns: Changing Geographies Of Multilocal Living**

A101544AC: **The Multifaceted Relationship Between Festivals, Events And Public Space**

(Co-sponsored by the FESTSPACE Project)

A101555AM: *Tourism And Routing: Exploring The Economic, Cultural and Political Dimensions of Walking Routes*

A101597JC: *Regenerative Development And Tourism Geographies: A Timely Turn?*

A101601RR: **Temporary Urbanism: Fixing The City In Post-Pandemic Times?** (Co-sponsored between the IGU Commissions on Urban Geography and Tourism, Leisure and Global Change and the T-Factor Project).

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A101635AB: *From Overtourism To Undertourism...And Back Again? Confronting Post-Pandemic Tourism "Regrowth" With Postcapitalist Pathways*

A101656BA: **Stronger Together: Tourism, Communities, And Destination**

Resilience A101701JS: *Tourism And Community Resilience: Symbiosis And Conflicts In The Anthropocene* A101705RS: *Tourism-Dependent Islands: Exploring Post-Pandemic Futures*

A101721RC: **Repenser Le Tourisme En Amérique Latine**

A101507JW: Panel session for the forthcoming IGU Tourism Commission-led volume 'The New Routledge Handbook of Tourism Geographies' - Tourism Geographies: Reflections And Projections On A Decade Of Change

(Open session A101511VN #1) **Geographies of nature-based and rural tourism** (Open session A101511VN #2) **Tourism Geographies in Post-Pandemic Times** (Open session A101511VN #3) **Culture,**

Heritage and Tourism Geographies

(Open session A101511VN #4) ***Contemporary Perspectives on Tourism and Regional Development***

(Open session A101511VN #5) ***Tourism Geography Topics***

(Open session A101511VN #6) ***Tourism labour and gender perspectives***

For more information:
<https://www.igutourism.org/paris-2022-main-congress.html>

- The **Lecture for the IGU Commissions Excellence Award** within the Paris IGC 2022 will be delivered by **Distinguished Professor C. Michael Hall, Canterbury University, New Zealand**. The Excellence award was won by the IGU Tourism Commission in 2017/18, and finally the lecture will be able to go ahead in Paris in 2022. For more information:
<https://www.igutourism.org/paris-2022-main-congress.html>
 - 2024 IGU International Geographical Congress, Dublin, Ireland: The IGU Commission on Tourism, Leisure and Global Change will co-organize a number of sessions at this meeting, as well as a Commission pre-meeting (host / dates tbc).
3. B. Collaboration with other organizations
- The Commission has co-organised meetings or sponsored sessions in cooperation with the following organizations, to take place in 2022:
- The IGU Commission on Tourism, Leisure and Global Change are proud to be collaborating with the **Spanish Geographers Association (AGE) Group 10's Joint International Colloquium on the Geography of Tourism** in Cuenca, Spain from 20th-22nd October 2022, entitled ***'Between the recovery and transformation of tourism in a post-COVID world: perspectives from Geography'***. More info:
<https://www.igutourism.org/cuenca-2022-age-grupo-10-igu-tourism-colloquium.html> and <https://www.age-geografia-turismo.com/>

(Call for papers) *Chair. Professor Josep Ivars josep.ivars[at]ua.es*

- AAG Annual Meeting online, 24th February-2nd March 2022: co-sponsored sessions between the IGU Tourism Commission and the Recreation, Tourism and Sport Specialty Group of the AAG: <https://www.igutourism.org/aag-igu-collaborations-nyc-2022.html>
- The IGU Commission on Tourism, Leisure and Global Change are proud to be collaborating with the Center for Tourism Research (CTR), Wakayama University, on the International Tourism Research Salon: ***Transforming Tourism Research: Reshape, Rethink, Reload, Renew, Regenerate, Restart*** 8-9th March 2022 (online). More information:
<https://www.igutourism.org/ctr-international-tourism-research-salon-online.html>
- Nordic Geographers Meeting ***'Multiple Nordic Geographies'*** (rescheduled until June 2022), Joensuu Finland. <https://www.ngm2021.fi/> The IGU Commission on

Tourism, Leisure and Global Change will co-organise some sessions at this

1meeting, including "Tourism and Biopolitics" organised by Maartje Roelofsen, Joseph Cheer (Commission Board Member) and Ben Laquinto.

The Commission intends to extend its collaboration with tourism-related interest groups of national geographical associations during the 2021-2024 period, as reflected in the above work plan.

3. NETWORKING AND COMMUNICATION

3.A. Collaboration with other IGU Commissions

- Special session during the IGC 2022 Paris, in collaboration with the IGU Urban Geography Commission: A101601RR: ***Temporary Urbanism: Fixing The City In***

Post-Pandemic Times? (Co-sponsored between the IGU Commissions on Urban Geography and Tourism, Leisure and Global Change and the T-Factor Project).

The IGU Tourism Commission has agreed to support fellow Commissions by collaborating on the following IGU events in 2022/2023 -

- IGU Thematic Conference on **Local Governance in a Time of Global Emergencies**, convened by the International Geographical Union (IGU) Commission on Geography of Governance, and organized in collaboration with the Metropolitan Autonomous University - UAM and the National Autonomous University of Mexico - UNAM, will be held in Mexico City, Mexico, on August 29-31, 2022, supported by the following commissions: C16.37: Commission on Urban Geography, - C16.12: Commission on Geography of Governance, C16.14: Commission on Geography of Tourism, Leisure, and Global Change, C16.15: Commission on Geo-Heritage, C16.27: Commission on Latin American Studies, C16.33: Commission on Population Geography.
- IGU thematic conference on **Islands in Relations: Conflicts, Sustainability, and Peace**, proposed by the Japan National Committee for the IGU (JNC) in collaboration with IGU Commissions on: Geography of Tourism, Leisure, and Global Change (C20.17), Islands (C20.25), Latin American and Caribbean Studies (C20.30), Political Geography (C20.36), and Toponymy (C20.40) (contact Takashi Yamazaki yamataka@lit.osaka-cu.ac.jp Tentative date, March 2023, Osaka, Japan.

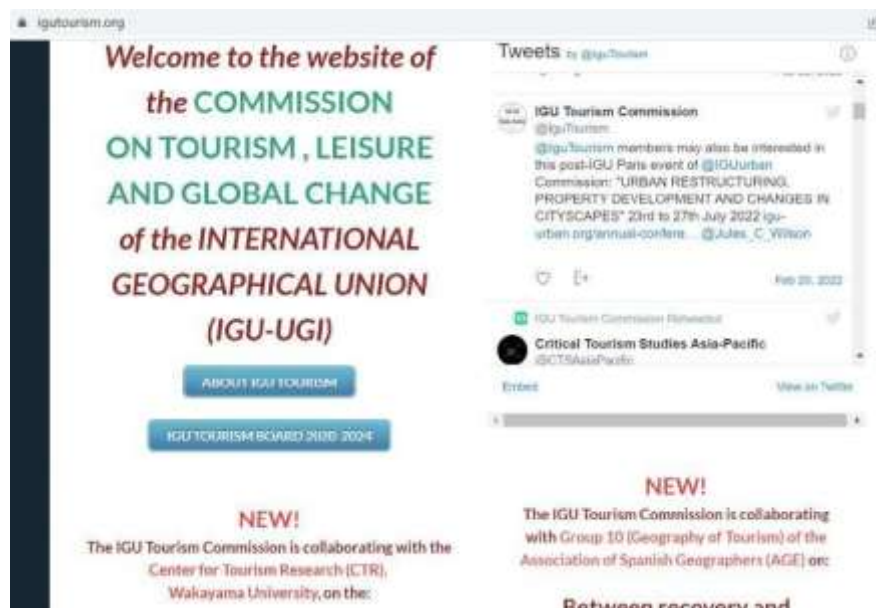
4. PUBLICATIONS

4.A. Regular Publications

The Commission is involved in the production of two regular publications and a coordinated social

media campaign, with periodic newsletters by email.

- a) **Tourism Geographies:** The scientific journal *Tourism Geographies* was developed based on the IGU commission collaboration and the commission has a representative position in the editorial board. Former commission chair Alan A. Lew and commission member Joseph Cheer are Editors in chief. A position as consulting editor is reserved for the chair of the commission. Furthermore several commission members are resource editors for *Tourism Geographies*.
- b) **Geographies of Tourism and Global Change:** In 2016 several former commission members launched a new book series titled “*Geographies of Tourism and Global Change*” with Springer edited by commission chair Dieter K. Müller (Umeå University), former commission chair Jarkko Saarinen (University of Oulu) and former commission member Carolin Funck (University of Hiroshima). The series is published in cooperation with the IGU Commission of Tourism, Leisure and Global Change and additional members of the commission are represented on the advisory board of the book series.
- c) **Commission Geography of Tourism, Leisure and Global Change - social media campaign and newsletter:** The commission newsletter has been published online since 2012 with approximately one issue annually. It is also sent to all corresponding commission members. However, this newsletter is being consolidated within our social media content, which is seen as being a much more immediate way of keeping members informed as to the latest news from the Tourism Commission (see section on social media activities). The Commission’s Twitter feed is also displayed via a highly visible widget on the Commission’s website startpage:



4.B. Ad hoc Publications

Besides these regular publications of the commission a number of ad-hoc publications have been outcome of the events organized by the commission:

- Wilson, J. and Müller, D. (2022, forthcoming, eds.). *The New Routledge*

Handbook of Tourism Geographies. London: Routledge. This new edition of the handbook will include chapters from several commission members and corresponding members and as such, it is envisaged as an important vehicular project for the Commission.

- Müller D.K. (ed.) (2019). *A Research Agenda for Tourism Geographies*.

IGU-Commission on Geoheritage

Cheltenham: Edward Elgar.

- Koster, R. L., & Carson, D. A. (2019). *Perspectives on Rural Tourism Geographies*. Cham: Springer.
- Mayer, M., Zbaraszewski, W., Pieńkowski, D., Gach, G., & Gernert, J. (2019). *Cross-Border Tourism in Protected Areas*. Cham: Springer

Associate Professor Julie Wilson

Chair, IGU Commission on Tourism, Leisure and Global Change 2021-2024 (jwilson2@uoc.edu)

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IGU-COMMISSION ON GEOHERITAGE ANNUAL REPORT 2021

Content

1. Membership
2. Meetings
3. Networking
4. Publication
5. Work plan for 2022

Commission on Geoheritage (COG) of the International Geographical Union (IGU) is to promote the development of Geoparks from the Geographical perspectives. The objectives of the COG include:

- communicating the role of geoheritage as tools of education, recreation and nature conservation;
- further developing the concept of sustainability as applied to geoheritage;
- communicating the importance of understanding a broad range of processes that affect the sustainable development of geoheritage, including the natural environment, political, and socio-economic processes;
- communicating the results of the research by members of the Commission to various academic, industry and policy arenas in order to influence policy in an effective and appropriate manner. In the last five years, IGU-CoG focused on the development of comparative studies on geoheritage, tourism and corresponding social, economic, environmental and political change and concentrated on the communication and transfer of research results in policy relevant

terms to policy makers and industry as well as continuing the scientific publishing programme of the Commission. The Commission seeks to continue its activities as outlined in relation to its existing objectives.

This work report will introduce the COG work in 2021 from the aspects of MEMBERSHIP, MEETINGS, NETWORK, PUBLICATION respectively. 1

Membership

The Steering Committee of Commission on Geoheritage (2020-2024) is comprised of 10 executive members from 9 countries, the detailed information about the ten executive members are listed in Table 1.

Table 1 2020-2024 Executive Members of Commission on Geoheritage

CHAIR

Dr. Wei, Dongying Beijing Normal University China

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Lynn Moorman

Faculty of Science and Technology, Mount Royal University Calgary

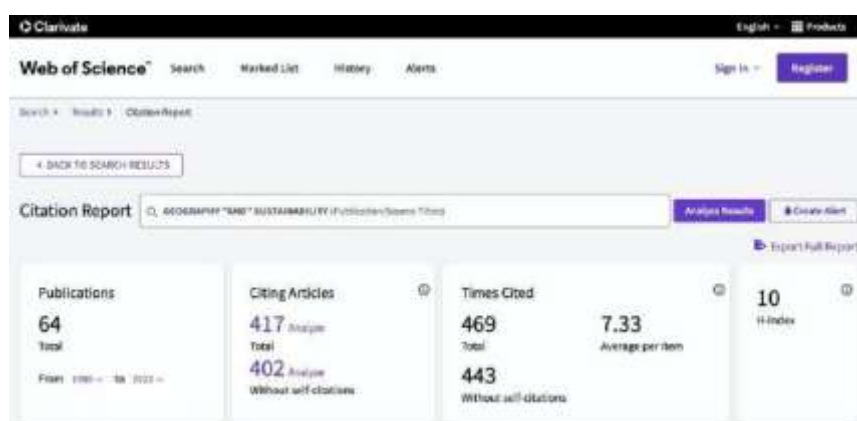
Canada

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Centre for Recreation and Tourism, University of Zululand South Africa

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2 Meetings

In order to promote the development of the geoheritage and national parks globally, the **2021 International Symposium on Geoheritage and National Parks** was held in November and December. The symposium aimed to (1) carry out in-depth research on geoheritage and national parks;

(2) disseminate and share the knowledge and experience of geoheritage and national parks; (3) collect best practice cases; (4) promote the further improvement and implementation of protection policies;

(5) build a platform for cooperation and

communication between government, enterprises and research institutes in the field of national park and natural heritage protection.

The 2021 International Symposium on Geoheritage and National Parks gathered global researchers in the fields of geoheritage and national parks. Participants shared the experience of promoting the sustainable development of geoheritage and national parks, discussed strategies for protecting geoheritage and national parks in new era, and provided a conservation platform for international researchers to communicate and build opportunities to cooperate with each other. Affected by COVID-19, the symposium was held online. All participants entered the conference

room through the online conference platform. The symposium was comprised of 12 thematic presentations and 5 theme-centered sessions (Table 2 & 3).

2.1 Thematic presentations

Professor Guangyu Wang of the University of British Columbia (UBC) in Canada and his doctoral student, Christina Dehui Geng, gave the presentation entitled *Challenges and Responses Amid the Pandemic: Experience from Canadian National Parks*. They introduced the national park research at UBC, the pandemic challenges and actions, the case study Earth's surface, being a zone of intersection and interaction of land, sea, groundwater, and atmosphere and the processes therein. It carries processes and products that are either not present or only weakly developed elsewhere. With other

matters such as lithology, structure, or geological framework being equal, the coastal zone is one that generally results in greater geodiversity than elsewhere. Tidal flats, with their low gradients, provide a setting where gradations in energy, hydrochemistry, diagenesis, intersection of the different oceanographic and coastal processes, grain size partitioning, generation of emergent and/or erosive landforms (e.g., cheniers, tidal creeks), habitat differentiation, biota zonation, and effects of biota on sediments are amplified and made more evident. Tidal flats also function as geoheritage features of significance in terms of their Cultural Values, Geohistory, and as Type Sections and Type Localities. Given the diversity of tidal flats in relation to climate, coastal setting, provenance, and biology, there is a need for geoconservation of tidal flats as globally significant coastal features in the category of Modern Processes. Western

Australia spanning a latitude of 14° to 35°, with its diversity of regional geology, climate, and oceanography (wave-dominated, tide-dominated, or mixed wave- and or tide-dominated), presents a diversity of tidal-flat types morphologically, sedimentologically, and stratigraphically, reflecting variation from tropical humid, tropical

arid, to temperate humid, and from siliciclastic-dominated to carbonate-dominated. Tidal flats are important in terms of geological heritage because they provide examples of extant geological processes and products in sedimentology and stratigraphy, provide models for ancient sequences, and provide diverse and extensive habitats for biota.

Professor David Newsome from the School of Environment and Conservation Science, Murdoch University gave the presentation entitled *Regolith as a Topic for Geotourism Engagement*. Regolith is an underappreciated part of the Earth's surface and vital to human existence. Its apparent low public profile compared to scenic areas and impressive rock formations is related to a lack of understanding of its value and ignorance regarding the diversity of its expression in the landscape. Identification of locations where a story about how humans and biodiversity are influenced by the nature of regolith can add to the overall experience when tourists visit various landscapes. Accordingly, the value of regolith as a topic for geotourism engagement is explained for a range of regolith types from southwestern, Australia and in the case of a tectonically active landscape in Indonesia. Preliminary guidance is offered on indicative interpretive content that could be delivered by trained guides. It is argued that successful engagement depends on simplifying the science and by helping geotourists recognise the importance of regolith in their lives. Many geotourism programs around the world can be enhanced by such an approach.

Professor Haixia Zhang of the Zhejiang Gongshang University gave the presentation entitled *Franchise during the Pilot Period of China's National Park System: Common Problems and Institutional Innovation*. Professor Haixia Zhang pointed out that 2021 is a significant year for China, it is the first year of China's national park. But at this time, we may think more about how to build national parks in China in the future. During the pilot period of the national park system, everyone may pay more attention to ecosystem protection, which is the most fundamental mission of building a national park. Another important historical mission of the

national park is to provide high-quality ecological services to the public. She stressed that the historical lesson of China's natural heritage sites is to take the natural heritage sites as natural consumption space, where consumerism prevailed and economic benefits were maximized. In the future, national parks should be natural experience spaces advocating ecological friendliness and a community of destiny between man and nature. The report expounded the thinking on the common problems and system innovation of franchising during the pilot period of China's National Park System from four angles, including the current situation of franchising during the pilot period of China's National Park System, the common problems of franchising during the pilot period of China's National Park System, and the relevant concepts, principles and objectives, institutional innovation of franchise of national parks in China.

Professor Ross Dowling AM of Tourism at Edith Cowan University gave the presentation entitled *Essential Elements for Interpreting Geology*. This presentation conveys some of the 'Essential Elements' of Geotourism's Interpretation. This is best understood through three 'ABC' elements. They are the 'Abiotic' or Non-living – climate and land (primarily geology and landforms); 'Biotic' or Living - plants (flora) and animals (fauna); and 'Culture' or people – past and present. When understood and presented in this format then people can easily see the links between how climate and geology have determined the plants and animals which live in an area, which in turn has shaped the way people have lived in a region in the past, as well as today. Thus it is geology which is the key building block to our understanding of all components of the environment and the way in which we live in it. A second central element of geotourism is the presentation of geology interpreted through its components of 'Form' (landforms and landscape), 'Process' (how the landforms originated) and 'Time' (when the processes occurred and how long they lasted). By putting this Interpretive approach to Geotourism into action it promotes awareness of geological features within the context of the biota and culture of a region. This 'interpretive bridge' is a central, but often missing, link in bringing geology to life. Once understood and put into

practice through geotourism, it can be a powerful tool in the development of both National Parks and Geoparks.

Dr. Fabien Van Geert of the Sorbonne Nouvelle University in Paris gave the presentation entitled *The Exhibition of Geoheritage in Geological and Geopark Museums*. Based on French and Spanish examples, this presentation has focused on the exhibition of geological collections, both in museums located outside geosites (ex situ), and in museums located within geoparks (in situ). By observing the different logics at work in these two types of institutions, this presentation has explored their common points as well as their differences in the treatment of their collections. By postulating the fact that these two institutions may take very different forms, this presentation seeks to question the ways in which the emergence of geoheritage in geoparks and their museums (especially in the form of interpretation centres) may have influenced the renovation of ex situ geological museums in recent years.

Professor Murray Gray of the Queen Mary University of London, United Kingdom gave the presentation entitled *The UN's Sustainable Development Goals (SDGs) and the Role of the Geosciences*. In 2015, the UN's Sustainable Development Summit adopted an ambitious list of 17 Sustainable Development Goals (SDGs) and 169 Targets to be achieved by 2030. The general aims are to end poverty, ensure access to basic services, tackle inequalities, ensure sustainable consumption and promote inclusive economic growth, social development and environmental protection. Despite the relevance of geodiversity to achieving these goals, the geosciences were not taken into account in framing them. However, a number of studies have demonstrated the links between geodiversity and the SDGs and this presentation will outline these links.

Professor Benjamin van Wyk de Vries of the Université Clermont Auvergne gave the presentation entitled *Science Socialisation using Geoheritage: A Way to Integrate Science with Real Problem*. Professor Benjamin van Wyk de Vries first introduced his own understanding of geoheritage, he thinks "Geoheritage is made up

of all the tangible and intangible elements of geology expressed in the form of outcrops, landscapes, but also in geophysical data, and cultural elements such as drawings and stories of geological territories". All these elements can be used together to create a holistic approach though geoheritage incorporating geological environments, local peoples, scientists, administrators. To promote understanding between all actors to deal with all the challenges that we have in a geological environment. In addition, based on the UNESCO International Geosciences Programme - Project 692, Professor Benjamin van Wyk de Vries discussed "Geoheritage for Resilience". "Geoheritage for Resilience" concentrates on developing this kind of holistic approach to sustainable development that places science in an overall context of societal resilience.

Professor Margaret Brocx of the IUCN WCPA Geoheritage Specialist Group gave the presentation entitled Coastal Geoheritage: A New and Important Subdivision of Geoheritage. The coast is one of the most complex environments on the Earth's surface, being a zone of intersection and interaction of land, sea, groundwater, and atmosphere and the processes therein. It carries processes and products that are either not present or only weakly developed elsewhere. With other matters such as lithology, structure, or geological framework being equal, the coastal zone is one that generally results in greater geodiversity than elsewhere. Given the diversity of sites of coastal geoheritage significance in relation to climate, coastal setting, provenance, and biology, there is a need for their geoconservation as globally significant features. Sites of coastal geoheritage significance also function as geoheritage features in terms of their Cultural Values, Geohistory, and as Type Sections and Type Localities.

Professor Hoang Van Sam of the Vietnam National University of Forestry gave the presentation entitled Protected Areas Management Related Conversation on Facilitating Biodiversity Conservation in Vietnam. Vietnam is situated in Southeast Asia. The total land area of Vietnam covers about 330,000 km². Three quarters of the country are mountainous. Forest covers about 42.00% of total country. The population of

Vietnam is 97 million, and there are 54 ethnic groups in Vietnam. Professor Hoang Van Sam introduced the international biodiversity-related treaties and conventions and Vietnam's participation, including Convention concerning the Protection of World Cultural and Natural Heritage (WHC), Ramsar Convention on Wetlands of International Importance Especially as Waterfowl Habitat (Ramsar Convention), Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), Convention on Biological Diversity (CBD), The Cartagena Protocol on Biosafety to the Convention on Biological Diversity, The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits (ABS). Vietnam is an early and active participant in the biodiversity-related convention the policy-makers and managers have highly paid attention on biodiversity conservation. It is showing the high commitment: the rapid development stage of national reserves and national parks came right after the most important convention ratified. Following the green growth development, Vietnam acknowledges the importance and urgency of the conservation and sustainable use of biodiversity. The demonstration on conservation-oriented community livelihood models in and around the buffer zones of protected areas is also opportunities for Vietnam, which can links with poverty-alleviation programs, reduction of resource exploitation. But there are also challenges for Vietnam to implement the international biodiversity related conventions, including overlapping institutional mandates, a financial shortage for biodiversity conservation and special use forest in Vietnam, a lack of biodiversity database on special-use forest systems in Vietnam.

2. Session on the sustainable development of geoheritage and national parks

Session on the sustainable development of geoheritage and national parks was organized by Dr. Dongying Wei, the chair of COG. Seven scholars from China, Lithuania, Japan and Iran brought us seven wonderful lectures.

Mengting Chen, a scholar from China University of Geosciences (Beijing), based on her research on

the Dabie Mountain World Geopark as an example, made a lecture entitled *Comprehensive Evaluation of Tourism Ecological Security in Huanggang Dabieshan UNESCO Global Geopark*. This study explores the tourism ecological security evaluation indicators of geoparks, analyzes the evaluation results and diagnoses the influencing factors, and then puts forward corresponding countermeasures and suggestions. The research shows that the geological park can adopt the scientific planning led by the government. When planning the geological park, we should not only consider the tourism development, but also consider the ecological environment protection. Mengting Chen suggested to actively support tourism enterprises, increase investment in environmental protection, and establish an ecological protection compensation mechanism according to the local fiscal revenue for environmental protection. Mengting Chen also stressed that the geopark should strengthen the ability of scientific popularization, actively carry out popular science activities in local schools and communities, enhance the awareness of local residents on ecological protection and geoscience heritage protection, so that they can voluntarily participate in the ecological protection of the geopark.

Jinxi Zhang, a scholar from Beijing Normal University, made a lecture entitled *Evaluating the Supply and Demand of Cultural Ecosystem services in the Tibetan Plateau of China*. Taking China's Qinghai Tibet Plateau as the study area, the lecture introduces the quantitative evaluation of the supply and demand of cultural ecosystem in the Qinghai Tibet Plateau. Based on the analysis of relevant media data, environmental data and statistical data, and combined with solves model, she draws the following conclusions: (1) the combination of solves model and media data can effectively evaluate the supply and demand of cultural ecosystem services on the Qinghai Tibet Plateau; (2) The research object shows obvious signs of spatial mismatch, and more than a quarter of the basin area shows the mismatch pattern of supply and demand of ecosystem services; (3) The geographical location away from the central city is identified as an important reason for the high supply and low demand of sewage treatment

plants.

Mai thi Khanh van from Okayama University, Japan, based on her research on Phong Nha Ke Bang National Park in Vietnam, gave a lecture entitled *Local Benefits from Tourism Development in Phong Nha-Ke Bang National Park, Vietnam*. Through questionnaire survey and in-depth interview, she investigated and studied the changes of Phong Nha Ke Bang National Park in terms of local income, infrastructure, natural resource assessment and local activities. Research shows that the development of local tourism has improved infrastructure construction, and local residents benefit from it. The life of local residents is also deeply affected by the development of tourism. The source of income of residents has changed from agricultural income to service income.

Marius Kalinauskas, a scholar from Lithuania, made a lecture entitled *Landscape Aesthetic Quality Mapping and Assessment: The Lithuanian Case Study*, and took Lithuania as a case to explore the mapping and evaluation of landscape aesthetic quality. He stressed that the mapping and evaluation of landscape aesthetic quality (Laq) at the national level can provide scientists and decision makers with valuable insights into the overall situation of cultural ecosystem services (CES). The general view based on uniform methodological standards allows the comparison of Laq between countries, thereby promoting international environmental management policies. In his research, he collected information on the accessibility and conditions of Laq in Lithuania. GIS modeling and spatial statistics are used for analysis. The results showed that the landscape diversity, naturalness, uniqueness and Laq of agricultural and urban areas were the lowest, while the Laq scores of high-intensity areas, forests, protected areas, natural relics and heritage sites were the highest. The analysis shows that due to topographic energy and fluctuation, visibility is limited in most areas of Lithuanian territory with the highest Laq value. The banks of Curonian Spit and nemunas are one of the few high Laq areas with high visual accessibility potential. The patches with high Laq value are concentrated in protected areas, while the patches with the lowest

Laq value are concentrated in agricultural land and urbanization areas. The laq-ces assessment is essential for higher quality environmental management regulation practice. High Laq areas may need better protection and welfare for residents, while low Laq areas may need additional recovery work.

Yasin Sayyad Salar, a scholar from Iran, made a lecture entitled *Environmental Justice for Elderly Groups: Spatial Perspective in Mashhad*. She took Mashhad as an example to explore the environmental equity of the elderly group. She found that only a small proportion of the elderly were regarded as vulnerable groups and enjoyed open space and air; In Mashhad, there is air pollution in the green space where nearly 90000 elderly people live. She believes that it is very necessary to solve the air pollution problem of Mashhad outdoor urban green space.

Finally, Huang Cheng and Xi Wu, scholars from Wuhan and Hainan, China, made brief reports on whether nature reserves can protect ecosystem services and how to evaluate ecotourism activities based on ecotourism impact and tourist experience.

This session had a strong atmosphere of academic exchange, enthusiastic discussion and complete success, and would play a positive role in promoting the scientific research and technological research and development of geoscience heritage and the sustainable development of national parks.

3. Session on national park and its standardization

There were four experts invited for the session on national park and its standardization. They were Xiaoping Tang, from National Forestry and Grassland Administration of China; Jianming Liu from Ministry of Culture and Tourism of China; Panyan Wang from China Urban Construction Design & Research Institute; Han Li from Standardization Administration of China.

First, Xiaoping Tang brought a lecture entitled *Framework for the Construction of National Park Standard System*. Starting from the relevant background of what is China's National Park, why the national park system is established, and the positioning, functions and concepts of the national

park system, and drawing on the reference experience of foreign national park standards, the lecture introduced the construction ideas of the national park standard system, the framework of the national park standard system, and expounded the norms for the establishment of national parks technical specifications for overall planning of national parks and ecotourism specifications for nature reserves.

Jianming Liu brought a lecture entitled *Development Trend and Key Points of National Park Tourism Standards*. The lecture pointed out that with the construction of national parks and the development of tourism functions, only by building perfect national park tourism standards could we achieve a more reasonable and effective unity of ecological, economic and social benefits, further promote the scientific protection and rational utilization of natural resources, promote the harmonious coexistence between man and nature, and promote the construction of a beautiful China.

Han Li brought a lecture entitled *Analysis of Service Industry Standardization Situation and Policy*. The lecture completely introduced the development status and trend of service standardization from three aspects: the proposal of service standardization, the development situation of service standardization at home and abroad and the suggestions on service standardization.

Panyan Wang brought a lecture entitled *Review of Standards for Scenic Spots*. The lecture mentioned the value of natural and cultural heritage resources with Chinese characteristics, and systematically introduced the three stages of the development of scenic spot standards, the current scenic spots and relevant standards.

Participants had an in-depth discussion on the theme of "national parks and its standardization". The participating experts agreed that a number of national parks have been established, which should give full play to the leading and normative role of standards, support the rational and orderly development of comprehensive functions of national parks, promote the improvement and standardization of ecotourism service quality of national parks, and realize the ecological and

sustainable development of national parks.

4. The session on the national park system in United States

The convener and moderator of the session on the national park system in United States is Rudy D'Alessandro, an international cooperation specialist of the

U.S. National Park Service. Nine experts from the U.S. National Park Service (NPS), Mammoth Cave National Park, Bering Land Bridge National Reserve, Yosemite National Park and West Kentucky University brought us seven wonderful lectures.

Tom Medema, the Associate Director for Interpretation, Education and Volunteers in NPS, made a lecture entitled *The Interpretation and Education Project of the National Park Service*. He pointed out that although all staff of the National Park Service can meet the needs of tourists in various ways, interpretation and education staff represent the face and voice of the National Park Service. The National Park Service usually carries out formal educational activities with educational partners such as schools or institutes. Educational experts, commentators or patrolmen often cooperate with local school districts; Teachers, youth, families or adult organizations can use the National Park as a unique learning laboratory and outdoor classroom. Tom Medema emphasized that the best, most unforgettable and most effective educational projects have the characteristics of "interpretation", that is, they use many of the same communication skills to reveal the meaning and relevance of specific age groups through a series of projects, activities and media.

Jeanette Koelsch, the Superintendent of Bering Land Bridge National Preserve in Alaska, USA, presented a lecture entitled *Bering Land Bridge National Reserve*. She said that we acknowledge that the preserve is the homeland of the Inupiat peoples. Indigenous people remain an integral part of the environment of the preserve, as their ancestors have for thousands of years. To protect and interpret examples of arctic plant communities, volcanic lava flows, ash explosions, coastal

formations, and other geologic processes, the Bering Land Bridge National Preserve has attached importance to visitor and resource protection activities (patrols), environmental and cultural education programs, website information, social media posts, Junior Ranger Programs, Tundra Tots- preschool students and parents.

Rick Toomey from the Mammoth Cave National Park and Chris Groves from Western Kentucky University jointly gave a lecture entitled *Resource Protection and Partnerships in the US National Park Service: Case Study of Mammoth Cave National Park, Kentucky*. The Mammoth Cave National Park is a national park, but also designated by the United Nations as a World Heritage Site and International

Biosphere Reserve. It is the world's longest known cave with the length of 672 km and still being explored. Ancient explorers visited nearly 20 kilometers of Mammoth Cave. The purpose of Mammoth Cave National Park is to preserve, protect, interpret, and study the internationally recognized biological and geologic features and processes associated with the longest known cave system in the world, the park's diverse forested, karst landscape, the Green and Nolin rivers, and extensive evidence of human history; and to provide and promote public enjoyment, recreation, and understanding. All management decisions are guided by sound science in Mammoth

Cave National Park. Mammoth Cave National Park also works with partner, including local communities through the UNESCO Mammoth Cave Biosphere Region, university scientists and students, and UNESCO Sister Park Arrangements (South China Karst World Heritage Site and Puerto Princessa World Heritage Site, Philippines).

Tom Fish, the national coordinator of the Cooperative Ecosystem Studies Units Network (CESU), gave the lecture entitled *Cooperative Ecosystem Studies Units (CESU) Network Overview*. CESU Network is a national consortium of federal agencies, tribes, academic institutions, state and local governments, nongovernmental conservation organizations, and other partners

working together to support informed public trust resource stewardship. The CESU Network includes over 498 partner organizations across 17 regional CESUs encompassing all 50 states, District of Columbia, and U.S. insular areas, as well as partners in Canada and Mexico. CESUs bring together scientists, resource managers, educators, students, and other conservation professionals, drawing upon expertise from across the biological, physical, social, cultural, and engineering disciplines (from “A”nthropology to “Z” oology) to conduct collaborative and interdisciplinary applied projects that address natural and cultural heritage resource issues at multiple scales and in an ecosystem context.

Yenyen Chan of Yosemite National Park made a lecture entitled *Yosemite National Park*. Yosemite National Park is located in central California. The Yosemite National Park shows us a large number of granite relief forms formed by glaciation, including "hanging" valleys, waterfalls, ice bucket lakes, ice domes, moraines and U-shaped valleys. Using the new definition of interpretation proposed by the National Association for interpretation (NAI), Yenyen Chan briefly introduced how Yosemite National Park connects tourists with the precious natural and cultural resources of Yosemite National Park through interpretation and education projects. Yosemite National Park provides visitors with a variety of interpretation and education projects, including interpretive talk on different themes, hiking guided by commentators, special theme exhibitions, speeches and reports, nature and history projects, photography and walking projects, outdoor exploration projects, Yosemite cinema projects, etc.

Tyler Gilkerson and Mike Martin, the hydrogeologists of NPS Water Resources Division, together gave a lecture entitled *National Level Floodplain and Wetland Policy in the NPS*. NPS National Floodplain Policy is NPS policy to preserve floodplain functions and minimize hazardous conditions associated with flooding. Potential Hazards include: 1) threats to human health/life, 2) risk to capital investment, and 3) impacts to natural and beneficial floodplain values. If a proposed action is in a floodplain and

relocation to a non-floodplain site is not an alternative, then a formal analysis (Floodplain Statement of Findings) must be prepared. The floodplain analysis must: 1) quantify flood conditions and hazards, 2) justify selecting a floodplain site, 3) disclose risk associated with the site, and 4) explain flood mitigation plans. Mitigation is designed to protect human life and health, protect capital investment (infrastructure), and preserve/restore floodplain values. The NPS will provide leadership and take action to minimize the destruction, loss, or degradation of wetlands; preserve and enhance the natural and beneficial values of wetlands; and avoid new construction in wetlands unless there are no alternatives, and the construction includes all practicable measures to minimize harm to wetlands.

Li-Wei Hung, a night skies research scientist at NPS Natural Sounds and Night Skies Division, gave a lecture entitled *Wilderness Resource Science and Management Natural Sounds & Night Skies*. The night skies research scientists at NPS Natural Sounds and Night Skies Division are a group of experts specialized in acoustics and astronomy. NPS Natural Sounds and Night Skies Division is a national level office, which provides measurements, modeling, critical analysis, and knowledge synthesis for informed decision making to all 423 park units managed under the National Park Service. Wilderness is often associated with vast landscape, tall mountains, crystal clear blue lakes, wild animals, and beautiful plants and flowers. But wilderness is more than just that. Natural sounds and night skies are also wilderness characteristics. These resources are not new but understanding these resources and learn how to protect and manage them is new. There are many health benefits from hearing the sounds of nature. Improves mood and sense of well being. Improves cognitive performance, sleep quality, and recovery from stress and pain. It is important to wildlife too. But we often encounter challenges in trying to manage and preserve natural soundscape in parks. Some of noise comes from recreational activities such as air tours, motorized vehicles, and watercraft. Some comes from the administrative

use such as construction, landscape maintenance,

and emergency operations. So what do we do? We often help parks to measure what sounds are currently present in the parks, both natural sounds and noise. Knowing the current condition is the key for successful management actions. When noise is controlled and managed, the reward can be huge. Natural sounds exist worldwide. Natural spaces, species, and traditional cultural practices are disappearing around the globe as the modern human footprint expands. Coupled with this loss is the associated loss of natural and cultural soundscapes. The Sounds of Your Park initiative is a continuously growing collection of sounds intended to celebrate the acoustical beauty and diversity of the world's national parks and other protected areas. She encouraged other national parks to check it out and even considering submitting sound clips. She also mentioned that nearly half the species on Earth are nocturnal. Many species rely on natural patterns of light and dark to navigate, nest, mate, hide from predators, and cue behaviors. Night sky is an inseparable element of nature to many cultures, including the ancient Chinese society.

5. Session on international institutions making contributions to the development of nature protected areas

Yan Zhang, the director of International Union for Conservation of Nature

(IUCN) Representative Office in China, was the convener and moderator of the session on international institutions making contributions to the development of nature protected areas. Four experts from UNESCO Representative Office in China, The Nature Conservancy (TNC) — China, World Wildlife Fund Representative Office in Beijing, World Conservation Union (IUCN) Representative Office in China brought

Four wonderful lectures.

Jianxin Mu from UNESCO Representative Office in China gave the lecture entitled *UNESCO Man and Biosphere Programme and Nature Protection*, which included four aspects: introduction to UNESCO, overview of Man and Biosphere Programme, main work of China's Man and

Biosphere Programme, Man and Biosphere Programme and the growth of young children. Through education, science, culture, information and communication, UNESCO promotes dialogue and mutual understanding among people, promotes cooperation among countries, and contributes to world peace and security, poverty eradication, sustainable development and cross-cultural dialogue (UNESCO's purpose and mission). Man and Biosphere Programme (MAB) is an intergovernmental and interdisciplinary comprehensive research program implemented by UNESCO in 1971 in response to the global population, resources and environmental problems. MAB was the first to clearly put forward the concept of sustainable development in the world. The main work of UNESCO China MAB includes the declaration and evaluation of World Biosphere Reserves, the dissemination and practice of the concept of "man and biosphere plan", international cooperation, science popularization, etc. Mu stressed that according to the technical guide for World Biosphere Reserves, in order to promote the whole society's understanding, understanding and collective action of the World Biosphere Reserves, education and communication should be carried out for key groups, and teenagers are one of the key groups. Therefore, UNESCO and its partners have carried out a series of youth education activities, such as forest experience, looking for the beauty of the countryside and the collection of paintings with the theme of "ecological civilization and biodiversity".

Tong Jin, from Nature Conservancy (TNC) — China made a lecture entitled

"Twenty years of development of the Nature Conservation Association (TNC) and China's Nature Protected Areas". Founded in 1951, the Nature Conservation Association (TNC) is one of the largest non-profit natural environment protection organizations in the world. It has been committed to protecting the land and water areas with important ecological value in the world, maintaining the natural environment and improving human well-being. TNC has made two outstanding contributions to the development of protected areas in China in the past two decades. First, provide scientific methods and capacity-

building. Climate change, ocean, fresh water and protected areas are the four areas most concerned by TNC. Adhering to multi-party cooperation, science based protection methods and standardized analysis methods are the premise for TNC to carry out all protection work. On this premise, TNC can select the biodiversity that must be protected and the priority areas to be protected, formulate protection plans, and measure the protection effectiveness. This set of conservation methods and standardized analysis methods constitute the core content of Conservation by Design (CbD). Nature conservation system engineering is a long-term protection tool and method used by TNC. In order to reduce the uncertainty in protection decision-making, TNC often uses two methods under this framework, Eco Regional Assessment (ERA) and Conservation Action Plan (CAP). Relying on the "nature conservation system project", TNC has provided training and technical support for the planning and management of protected areas in China, such as China biodiversity conservation strategy and action plan (2011-2030), Sichuan climate change and biodiversity conservation action plan, etc; Second, explore a new model of protected areas. China has built more than 2600 nature reserves, and the protected land accounts for more than 15% of the land area. In order to better solve the ecological problems caused by the shortage of funds and limited management capacity, TNC is still continuing to explore the ideal management mode of different protected areas, and has successively created protected areas and ecological restoration projects in Northwest Yunnan, Sichuan and Inner Mongolia, so as to provide innovative forces for China's natural conservation.

Wenbin Huang from World Wildlife Fund Representative Office in Beijing gave a lecture entitled *Coexistence of Man and Wildlife: Management of Human and Animal Conflict in National Parks and Protected Areas*. He first gave a brief introduction to the "human animal conflict". Human animal conflict refers to the direct or indirect interaction between human and wildlife that has a negative impact or even harm to either party. It mainly includes four forms: destroying food crops or cash crops, predating livestock, damaging houses and other property,

and directly attacking human beings. From 2001 to 2010, 191 human tiger conflicts occurred in Hunchun National Nature Reserve, including one death, three injuries and a variety of livestock injuries; From 2012 to 2015, 172 conflicts between people and Tibetan brown bears occurred in Qinghai Province, involving 2 prefectures and 7 counties, resulting in varying degrees of damage to housing construction, cash crops and villagers' personal safety. He stressed that human and animal conflict is a systematic long-term problem, which will become a new topic for China to strengthen wildlife protection with the in-depth promotion of China's ecological civilization construction. Human and animal conflict management should be taken as an important part of wildlife protection, and the long-term development goal of human and animal conflict management should be established. Huang then introduced the safe system, a safety management method for human animal conflict. The safe system includes four processes: (1) improve the human animal conflict information, including understanding the conflict trend and basic information (hot spots, influence and community attitude); (2) Rapid assessment, including establishing safe benchmark and building execution process; (3) Develop safe strategy and work plan; (4) Implementation and monitoring.

Yan Zhang from World Conservation Union (IUCN) Representative Office in China made a lecture entitled *Application of IUCN Natural Protected Area Knowledge products in China*. IUCN is a representative of natural protected areas knowledge products. There are 32 best practice guides for nature reserves, covering planning, planning, management, tourism, climate change, training, financing, etc. In addition, there are three knowledge products of great significance to the development of China's protected areas, two of which are born to commemorate the 60th anniversary of the construction of China's natural protected areas. Finally, taking Laohegou land trust reserve in China as an example, Zhang introduced the application of IUCN public welfare governance natural protected areas (PPA) in China. Public welfare governance natural protected areas is a natural protected area managed by non-governmental organizations (individuals or groups,

non-profit organizations, for-profit institutions, scientific research institutions and religious groups), which is defined by IUCN as "public welfare governance natural protected areas". Laohegou land trust reserve is the first social welfare reserve in China. The establishment of the foundation is very important to the Laohegou land trust model; The foundation is the fund carrier, the appropriate entity that signs the agreement and holds the management power. Local participation in the management of laohegou protected area and linking the protected area with the development of surrounding communities is very important for developing a sustainable and diversified fund plan.

6. Session on geological culture village construction

Session on theory and practice of geological culture village construction under the background of Rural Revitalization Strategy invited four experts, they were Ying Dong, the director of the Geological Relics Investigation and Monitoring Office of China Geological Survey, Professor Xujiao Zhang of China University of Geosciences (Beijing), Professor Jinbing Peng of the Chang'an University, and Guan Fengjun, the director of the Geological Environment Department of the former Ministry of National Land and Resources. The speaker and the guests had an in- depth discussion on the theme.

Ying Dong made a lecture entitled *Theory and Practice of Geological Culture Village Construction under the Background of Rural Revitalization Strategy*. Starting from the demand, development process, technical standard documents and leadership instructions issued by the geological Culture Village, the lecture comprehensively interpreted the construction foundation, basic theory, investigation and planning, Rural Revitalization and practical exploration of the geological Culture Village, which would provide reference and experience for the construction of geological culture villages throughout the country, and an in-depth understanding of the geological and cultural village.

Xujiao Zhang brought a lecture entitled *Resource Excavation and Rural Development of Geological*

and Cultural Village: Taking Ahetan Geological Culture Village, Hualong County, Qinghai Province as an example. Through the detailed investigation of various resources in Ahetan Village, Hualong County, we found out the resource background and resource endowment of ahetan village, excavated the scientific connotation of tourism resources in Ahetan Village, and achieved fruitful results in the construction of Ahetan Village address cultural village. In the process of rural revitalization, it would further focus on the development of geoscience tourism, help the development of characteristic tourism in Hualong County.

The participating experts agreed that as a new thing and an important means of

rural revitalization, geological culture village has been highly valued by relevant departments and widely recognized by the society. In the next step, it should promote the pilot construction of other geological culture villages, integrate the strengths of all parties, strive to build ecotourism and help rural revitalization.

3. Networking

The chair of the IGU-COG, Dr.Wei, has built a bond cooperating relationship with several international organizations, including the International Union of Geological Sciences (IUGS), World Commission on Protected Areas (WCPA) in IUCN, The Nature Conservancy (TNC), UNESCO Representative Office in China. Experts from these international organizations were invited to participate in the international conferences supported by IGU-CoG. Meanwhile, Dr.Wei, had several online meetings with the experts, and discussed how IGU-COG would cooperate with them to promote the sustainable development of geoheritage.

IGU-COG also builded good relationship with some national government, like National Forestry and Grassland Administration of China, Ministry of Culture and Tourism of China, Standardization Administration of China, China Ministry of Environment Protection etc. to promote the education and protection of the geoparks. IGU-COG also cooperated with many local

governments to promote the sustainable development of geoparks, like Qinghai Province, Xiuwu County in Henan Province, Shangrao City in Jiangxi Province, Taining County in Fujian Province etc. IGU-CoG tried to drive change for the co-creation of sustainable solutions through leading international communication, learning and knowledge and promoting cooperation from all aspects related to geoheritage. So as to achieve the goal, IGU-CoG continue to work with IGU Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability, and ProGeo (European

Association for the Conservation of the Geological Heritage). IGU-CoG invited the members to organize quality papers in the field of geoheritage and parks, which are written by authors from, and is concerned with geoheritage sites and parks in various regions and countries, especially the geoheritage sites and parks in developing and under-developed countries and regions, and the ones that are normally ignored but of great value and significance in the field of geoheritage.

4. Publication

4.1. General summary

***International Journal of Geoheritage and Parks (IJGP)* is an OPEN ACCESS**

international journal that publishes original geoheritage and parks-oriented papers addressing a broad range of fields including management, planning, policies, education, tourism, interpretation, economics, protection and sustainable development of global geoheritage and parks (including geoparks, national parks, protected areas, World Heritage sites, and other globally significant sites recognized for their geologic and geographical value). All articles published in *IJGP* are subject to rigorous peer view, based on initial editor screening and anonymous refereeing by independent expert referees.

The journal was established in 2003, and it is funded by Beijing Normal University and supported by the Commission on Geoheritage of the International Geographical Union (IGU-CoG).

IJGP is indexed in Scopus, GeoBase, Directory of Open Access Journals (DOAJ), and a member of Committee on Publication Ethics (COPE). The journal website is

<https://www.keaipublishing.com/cn/journals/international-journal-of-geoheritage-and-parks/> In 2021, 40 articles were published in 4 issues, with a completion rate of 100%. According to the Scopus Cite Score Tracker, the Cite Score for *IJGP* in 2020 is 1.2, and it is 2.6 by December 2021.

Special Issue on Exploration of Geoheritage, Geoparks and Geotourism was also proposed and completed by , Dr. Subhash Anand, Professor in Geography, Delhi School of Economics, University of Delhi (India); Vice Chair of IGU-CoG; Dr. Dongying Wei, Associate Professor in Geography, Beijing Normal University, Beijing, China, Chair of IGU-Co; Bathula Srinagesh: Professor in Department of Geography, Osmania University, Hyderabad, India, Executive Member, IGU Commission on Local & Regional Development; Dr. R. B. Singh, IGU Secretary General and Treasurer.

In 2021, *IJGP* submitted the application materials of GeoBase database on May 7, 2021, and the notice that our journal was successfully included by GeoBase database was received on August 13, 2021; For the application of ESCI database, the application materials were submitted on August 17, 2021. At present, the evaluation process has not been completed and we are still waiting for it.

4.2. *IJGP* editorial board updates

The reorganization of the editorial board of *IJGP* was completed in early 2021. The structure of the editorial board changed from the original single members of the editorial board to a new structure with three parts: **Editorial Managing Committee**, **Advisors** and **Editorial Board Members**(Table 4). Editorial Managing Committee is comprised of 7 members, they perform the functions of decision-making, supervision, guidance and participation (including 2 academician members); Advisors is comprised of 3 consultants, including 1 international expert, Mike Medows, IGU Chair and 2 experts from China (including 1 academician member); Editorial Board Members has been

updated and replaced on the basis of the original members of the editorial board, which is currently composed of 30 experts and scholars from 16 countries.

The *IJGP* editorial office organized and held three online editorial board meetings on January 7, February 24 and August 11, 2021 respectively. The progress,

challenges and development strategy were well and deeply discussed.

Table 4 IJGP editorial board (2021-2023)

Editors-in-chief & Associate Editors-in-chief

Editors-in-chief

Dongying Wei

Beijing Normal University, China

Benjamin van Wyk de Vries

University of Clermont Auvergne, France

Associate Editors-in-Chief

Rui Yang

Tsinghua University, China

Kyung Sik Woo

Kangwon National University, South Korea

Guangyu Wang

University of British Columbia, Canada

Subhash Anand University of

Editorial Managing Committee

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Chinese Research Academy of Environmental Sciences, China

Changming Liu

Institute of Geographical Sciences and Natural Resources Research, CAS, China

Yu Jiang

Beijing Normal University Publishing Group, China

Changqing Song

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 Helena Tukiainen University of

***IJGP* promotion**

First, the official WeChat account of *IJGP* was created at the end of November 2020. In 2021, the official WeChat account of *IJGP* released 58 posts, and the number of followers is 526, which has increased 456 compared to 2020.

Second, *IJGP* editorial office sent 1874 push

emails, and the proportion of emails opened was 18.8%. The proportion of relevant links in e-mail content opened was 6.91%.

Third, 222 e-mails were sent to international scholars throughout the year by

IJGP editorial office to invite paper submission, paper review.

3. *IJGP* Most Cited Articles Top 10

- Geodiversity, geoheritage and geoconservation for society
- Geoconservation principles and protected area management
- Exploring the potential for geotourism development in the Danube region of Serbia
- Linking geoconservation with biodiversity conservation in protected areas
- Geomorphological heritage inventory of Irazú Volcano, Costa Rica
- A Genealogy of UNESCO Global Geopark: Emergence and Evolution
- Geotourism potential of Thethi National Park (Albania)
- Analyzing the Impacts of forest Ecosystem Services on Livelihood Security and Sustainability: A Case Study of Jim Corbett National Park in Uttarakhand
- Conservation of geoheritage in Ecuador: Situation and perspectives
- Inventory and assessment of significant scientific Algerian geoheritage: Case of remarkable geosites from Orania (Western Algeria)

4.5 *IJGP* 2021 Most Downloaded Articles Top 10

- Geothermal energy provinces in India: A renewable heritage

- The post COVID-19 tourism dilemma for geoparks in Indonesia
- Application of hybrid SWOT-AHP-FuzzyAHP model for formulation and prioritization of ecotourism strategies in Western Himalaya, India
- Economic impact of UNESCO Global Geoparks on local communities: Comparative analysis of three UNESCO Global Geoparks in Asia
- Promoting intangible cultural heritage (ICH) tourism: Strategy for socioeconomic development of snake charmers (India) through geoeducation, geotourism and geoconservation
- Geoproducts – Innovative development strategies in UNESCO Geoparks: Concept, implementation methodology, and case studies from Naturtejo Global Geopark, Portugal
- National parks best practices: Lessons from a century's worth of national parks management
- Geotourism of mining sites in Iran: An opportunity for sustainable rural development
- Badlands of Gangani in West Bengal, India: An assessment on account of geotourism

development

- Continuities and changes of Kamakhya at Nīlācala: A geo-heritage and geo-tourism perspective

5. Work plan for 2022

Commission (2020–2024) will continue to focus on the development of comparative studies on geoheritage, tourism and corresponding social, economic, environmental and political change and will concentrate on the communication and transfer of research results in policy relevant terms to policy makers and industry as well as continuing the scientific publishing programme of the Commission. The Commission therefore seeks to continue its activities for 2022 as outlined in relation to its existing objectives. The planned activities are as the following:

- To organize regular commission member meeting;
- To participate IGU conferences;
- To host an international conference related to geoheritage;
- To continue network with national and international organizations and authorities;
- To promote *the International Journal of Geoheritage and Parks* to publish 4 issues, 40 articles.

COMMISSION REPORT: GEOMORPHOLOGY AND SOCIETY REPORT 2021

The IGU-IAG Joint Commission/Working Group 'Geomorphology and Society: Past, Present and Future' is currently a jointly organised IGU Commission/IAG Working Group. Following the precursor IGU Commissions on Geomorphology and Society as well as on Hazards Mitigation, and supported by ongoing discussions with respective IAG bodies such as the Working Group on Geoarchaeology, a joint IGU Commission/IAG Working Group was suggested. In 2017, both the IGU and the IAG agreed to establish such a Joint Commission/Working Group to give effect to the Memorandum of Understanding that both organisations signed at the 33rd IGC in Beijing in August 2016.

The Joint IGU-IAG Commission/Working Group was approved by IAG Council Meeting in November 2017 during their meeting in New Delhi, India, and with the new name in April 2018 in Vienna, Austria. IGU General Secretary

Michael Meadows confirmed the acceptance by IGU in April 2018.

A. Membership

Since April 2018 the Joint IGU-IAG Commission/Working Group on Geomorphology and Society is newly structured and co-chaired by

- Margreth Keiler, University of Bern, Switzerland
(margreth.keiler@giub.unibe.ch) and
- Sanja Faivre, University of Zagreb, Croatia
(sfaivre@geog.pmf.hr).

The Secretary General is Sven Fuchs, University of Natural Resources and Life Sciences, Vienna, Austria (sven.fuchs@boku.ac.at).

The chairs and the Secretary General is supported by the current steering committee:

	Full	Gend	Country	Institution	E-mail address
Chairperson	Margreth Keiler	Female	Switzerland	Institute of Geography, University of Bern	margreth.keiler@giub.unibe.ch
Joint chair	Sanja Faivre	Female	Croatia	Department of Geography, University of Zagreb	sfaivre@geog.pmf.hr
Secretary and Treasurer	Sven Fuchs	Male	Austria	Institute of Mountain Risk Engineering, University of Natural Resources and Life Sciences	sven.fuchs@boku.ac.at
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Steering committee member 5	Werner Nel	Male	South Africa	Department of Geography and Environmental Science, University of Fort Hare	WNel@ufh.ac.za
Steering committee	Olav Slaymaker	Male	Canada	Department of Geography, University of	olav.slaymaker@ubc.

The list of the membership of the Joint IGU-IAIG Commission/Working Group on Geomorphology and Society includes 42 international researchers from Austria, Mexico, Croatia, Serbia, Spain, Poland, UK, Japan, Taiwan, Switzerland, Germany, South Africa, Nigeria, France, Tajikistan, Canada and the USA. The members are informed by newsletters and the connected via the website <http://www.geomorphologyandsociety.info>.

B. Meetings

Due to the COVID-19 pandemic, planned meetings had to be postponed by either the respective conference organisers and/or the IAG/IGU Joint Working Group.

This included the originally foreseen session at the 34th International Geographical Congress in Istanbul (17-21 August 2020) on the “Co-production and evolution between geomorphological dynamics and human influence”.

A session proposed and approved for the EGU General Assembly 2020 was held in an online format, however, due to a limited number of participants this session was merged with another one. The new session entitled:

Co-production and evolution in human-landscape interaction: from geoarchaeological records to geomorphological dynamics and human influence

Chairs: Julia Meister, André Kirchner, Guido Stefano Mariani, Kathleen Nicoll, Hans von Suchodoletz, Sanja Faivre, Sven Fuchs, Margreth Keiler

Documenting the diversity of human responses and adaptations to climate, landscapes, ecosystems, natural disasters and the changing natural resources availability in different regions of

scale and hierarchies may be addressed, and methods and applications of dynamic rather than equilibrium ideas and metaphors. Ultimately, we would like to understand how strategies of human resilience and innovation can inform our modern strategies for addressing the challenges of the

our planet, cross-disciplinary studies in human-landscape interaction provide valuable opportunities to learn from the past. This session is targeted at providing a platform for scientists with common interests in geomorphology and geoarchaeology and, in particular, the complex and integrated nature of the relationship between landforms, geomorphological processes and societies during the Anthropocene, and how this has developed over time at different spatial and temporal scales.

This session seeks related interdisciplinary papers and specific geomorphological or geoarchaeological case-studies that deploy various approaches and tools to address the reconstruction of former and present human-environmental interactions from the Palaeolithic period through the modern. Topics related to records of the Anthropocene from Earth and archaeological science perspectives are welcome. We are inviting contributions that focus on the two-way interactions between geomorphological processes/landforms and human activity. These should show how the various factors of the physical environment interact with the Anthroposphere, and, in turn, how population and individuals may affect (and change) these factors. Furthermore, contributions may include (but are not limited to) insights about how people have coped with environmental disasters or abrupt changes; defining sustainability thresholds for farming or resource exploitation; distinguishing the baseline natural and human contributions to environmental changes. In this context, topics of different fields may be addressed in the session such as landform evolution, landscape sensitivity and resilience in the overall context of the interrelation between geomorphology and society, geohazards, geoheritage and conservation, geomorphological responses to (and evidence for) environmental change, and applied geomorphology. Moreover, issues of

emerging Anthropocene, a time frame dominated by human modulation of surface geomorphological processes and hydroclimate.

C. Networking

The current commission is the result of

collaboration between the previous commission of Geomorphology and Society and the Hazard Mitigation commission, thus a well-established exchange between the different commissions exist via different members. As already highlighted in the introduction section the IGU Commission ‘Geomorphology and Society: Past, Present and Future’ is currently jointly organized IGU Commission and IAG Working Group, therefore there is also a closely collaboration with the International Association of Geomorphologists.

D. Publications and Outreach

Activities did not take place due to the COVID-19 pandemic.

E. Use of IAG funds

In 2020/21, IAG funds were not fully spent and available savings will be used in 2022. Expenses were only necessary for the web address and hosting of the website. Therefore, we will not claim any seed money for this fiscal year.

COMMISSION (C20.21) “GLOBAL UNDERSTANDING” REPORT 2021

The reconstituted Steering Committee has started its work in 2021 with great enthusiasm, integrating the broad international expansion in the activities. The activities were focusing the implementation of The Jena Declaration, initiated by the commission's chair and strongly endorsed by IGU, together with the Canadian and German Commissions for UNESCO, the International Council for Philosophy and the Human Sciences (CIPSH), The Club of Rome, the World Academy of Art and Science, the Academia Europaea, and many others, especially a big number of UNESCO Chairs form around the world.

In addition, the commission started the implementation of the reformulated working program. It is focusing two main program lines: socio-cultural and regional aspects of global sustainability, and the global urbanization process.

Due to the Corona pandemic, all activities of the commission have been performed mostly in form of online conferences, workshops, and committee meetings in 2021. Despite these difficult circumstances in the six months of the running time of the commission, a quite considerable number of important results could be achieved, especially in respect of the cooperation with international science organizations, and the preparation of the and contribution to the Centennial IGC in Paris 2022.

Unfortunately, the long-term secretary, Dr. Karsten Gaebler, had to leave the commission end of September due to his new position outside the university. I would like to thank him in the name of the steering committee for his excellent work and enthusiastic support. We hope to fill the position very shortly.

Benno Werlen (Chair) 2022-03-

05 A. Membership

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Belgium	21
Brazil	32
Canada	13
Chile	5
China	20
Czech Republic	8
Denmark	6
Finland	6
France	33
Germany	279
Hongkong	9
India	9
Israel	4
Italy	21
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Korea (South)	10
Luxembourg	6
Netherlands	13
New Zealand	7
Norway	8
Poland	9
Portugal	12
Russia	12
South Africa	211
Spain	11
Sweden	11
Switzerland	32
Taiwan	22
United Kingdom	32
Unknown	569

B. Commission's Program Lines

To reach out to partners of the international science organization and the UNESCO network that have been established by the building up process of the Jena declaration, the IGU commission on Global Understanding orientates its work on the four guiding principles.

First to include the social and cultural dimensions in a coherent way into sustainability research and cooperation. This calls for understanding sustainability not primarily as an environmental, but rather as a societal issue. With this change of focus, for the needed deep societal transformations the ecological imperative with its call for adaptation to the natural conditions remains an important issue but is secondly paired by the attention to the need for solidarity. To foster solidary engagement, the inclusion of the citizens into sustainability research and policies is a third fundamental prerequisite, asking for the co-production of knowledge for transformative policies. Fourth, in this way, the research interest of technological problem-solving is complemented by bottom-up-based problem-avoiding strategies from a global perspective.

The vantage point of the development of a coherent commission program shall be the question, how different the challenges of sustainability do look from different locations/contexts, and how the problem of sustainability is framed in different contexts.

These programmatic outlines shall be implemented by two working groups over the next few years: urban research in a global perspective and global sustainability, stressing the need for reaching audiences outside Academia and raising awareness, in particular through non-formal education and the arts. All in all, the work of the commission will focus on implementing these topics (global urbanization & societal transformation towards global sustainability) through engagement in research, the promotion of learning programs, and the cooperation with arts.

A specific conference is – in addition to the two submitted sessions to the IGC – planned for 2023 in the aftermath of the centennial Paris congress. The event

should be addressed to academic audiences, but also include people with practical experience in the field of sustainability transformations and/or affected communities. The commission's work shall be orientated toward answering its key question: How different do the challenges of sustainability look from different

locations/contexts?

Hereby, the distinction between “academics” and “practitioners” should not be stressed too much, since there is interesting work/research done in all domains. The event shall also be seen as a platform for making the voice^{20 6} of people heard who are affected by the crisis and representing their experiences and knowledge.

B. Meetings and Events

Online Kick-Off event of The Jena Declaration, September 9, 2021

Despite decades of efforts to bring about sustainable development, people around the world are facing tragic consequences of insufficient or failed attempts. The purpose of The Jena Declaration (TJD) is to enable ordinary people around the world to change their everyday actions, and to mobilize a broad global social movement for transformation towards sustainable living.

The online kick-off event was organized under the umbrella of its founding partners like the IGU, the IGU commission, and UNESCO Chair on Global Understanding, including the IGU of featured contributions from prominent representatives of the central programmatic action lines of arts, learning, and civic engagement. It includes, among others, Mamphela Ramphele, Co-President, The Club of Rome; Paul Shrivastava, PenState University and former director of Future Earth; Garry Jacobs, President, World Academy of Art and Science; Luiz Oosterbeek, President; International Council for Philosophy and Human Sciences; Mirwais Sidiki, Musicologist, Afghanistan; Margalit Berriet, Network Arts & Humanities, France; Branko Smon, plastic artist, Slovenia; youth activists such as Mercy Gloria Ashepet, Uganda; Raad Sharar, Bangladesh; Luisa Neubauer, Germany; and performances by artists including Andy Innes and his group, Musician, South Africa, as well as Mitra Behpoori, Iran.

For the IGC 2021 the commission organized a session on ‘Habits and Cultural Understanding’ under the heading of Prof. Shangyi Zhou (China). Of the 21 submissions, 19 were accepted.

In addition to these two programmatic key events, the commission was actively present by following members in thematic relevant online and onsite conferences and events:

By Prof. Enrique Aliste

"Discursos verdes y protección ambiental: las paradojas del discurso ecológico en los territorios del sur global", Séminaire de géographie, aménagement et développement durable en Amérique latine (GADDAL), Institut des Hautes Études de l'Amérique Latine IHEAL-CREDA, Université Sorbonne- Nouvelle (Paris, France). 3-12-21. <http://www.iheal.univ-paris3.fr/es/node/3808>

"Les discours écologistes et du développement durable dans les territoires du sud global: peut-on parler d'éco-extractivisme?", Séminaire "Construire la critique du développement : objets, idées, terrains", EHESS – Université Panthéon-Sorbonne (Paris, France), 19-10-21. <https://alain-musset.superforum.fr/t1232-construire-la-critique-du-developpement-1#1496>

"Discursos verdes, protección ambiental y privatización de la naturaleza:

¿Los nuevos territorios de la sostenibilidad?", XIV Seminario Internacional de Investigación Urbana y Regional "repensar la planeación y la gestión del territorio en

tiempos de incertidumbre: procesos, escalas y gobiernos", Asociación Colombiana de Investigación Urbana y Regional, ACIUR, (Medellín, Colombia). 13-11-20.

"Discourses, Environmental Protection and Privatization of Nature: Could we talk about "eco-extractivism" in the context of ecological businesses in Chilean Patagonia?". World Ecology Research Network Conference 2021, University of Binghamton (Binghamton, USA). 22-10-21.

"Discursos verdes, protección ambiental y privatización de la naturaleza: nuevos dispositivos para el control territorial en Patagonia". XII Congreso Nacional y XXVI Internacional de Geografía, Sociedad Chilena de Ciencias

Geográficas SOCHIGEO - Pontificia Universidad Católica de Valparaíso, (Valparaíso, Chile). 21-10-21.

By Prof. Benno Werlen

- UN & World Academy of Art and Science (WAAS) General Conference on "Global Leadership Education", Delhi (India), February 17, 2021
- WAAS Societal Transformation, Delhi (India) April 14, 2021
- European Humanities Conference, Lisbon (Portugal), May 5-7, 2021
- UNESCO BRIDGES, Founding Conference, Paris (France), May 24-25
- Learning Planet Youth Conference of The Club of Rome, Winterthur (Switzerland), July 1-2
- Förderpreis Nachhaltigkeit ,Ehrenamt macht Schule', First Prize Laudation, Stuttgart (Germany), July 7, 2021
- The Global Education Forum, on Transformation of Higher Education for the SDGs: Transforming mindsets, transforming roles, transforming connections; Madrid (Spain), October 14, 2021
- 5th World Leisure Expo and Forum, Hangzhou (PR China), October 15-17, 2021
- COY 16: United Nations Climate Change Conference, Glasgow (U.K), October 28-31, 2021th Sustainability of Social, Political and Economic Systems in the XXI Century, Moscow (Russia), November 19
- Reconnecting with Your Culture in the World, Jakarta (Indonesia), November 20, 2021
- Blurring Boundaries Conference: Urbanity and rurality as geographical ways of living, Erfurt (Germany), November 24-25, 2021

- 5th UNESCO Forum on Transformative Education, Paris (France), Nov. 29- Dec. 1
- WAAS on Higher Education: Education for Societal Transformation, Delhi (India), December 6
- CIPSH General Assembly, Odense (Denmark), December 13-14

C. Networking

World Academy of Art & Science (WAAS)

As currently the only geographer being a WAAS fellow, commission chair Benno Werlen is reaching out to strengthen links of the Academy with the IGU. Again, The Jena Declaration is an important door opener for further cooperation. The participation in conferences on the role of education for societal transformation is one of the possibilities to raise awareness for the competencies of geographers and the crucial role of geography in the sustainability curricula. The engagement of TJD as a key project of the commission could open the IGU access²⁰⁸ to relevant WAAS projects, its relations to the UN, Collaboration with the International Council for Philosophy and the Human Sciences (CIPSH)

The commission chair Benno Werlen was a member of the scientific committee of the European Humanities Conference (EHC) 2021, May 5-7 online from Lisbon. The EHC was co-organized by CIPSH and UNESCO's Social and Human Sciences Program. A side of the presentation of The Jena Declaration the contribution to the conference included a video presentation on the programmatic proposition 'Alliance for Global Understanding – A new Mindset to Sustainability'. The invitation to the General Assembly allowed to present The Jena Declaration to the presidents and secretaries of the member unions and organizations of CIPSH. This led to the broad support of TJD.

Collaboration with the International Science Council (ISC)

Based on the cooperation in the International Conference on "The Humanities and Social

Sciences for Sustainability" in 2020 the ISC has been approached to endorse TJD officially. Unfortunately, the response was quite lukewarm, stating that as long as they haven't decided on the sponsoring guidelines, they are not able to accept the invitation. Interestingly the ISC launched in the meantime the ISC established a "Global Commission on Science Missions for Sustainability". The commission will explore soon the possibility of cooperation. As the ISC Action Plan has now competed the chances may have improved.

Collaboration with UNESCO and UN HQ

UNESCO has approved the request for the prolongation of the UNESCO Chair on Global Understanding for Sustainability for another 4 years until March 2026. With this, the basis for cooperation with the UNITWIN Network is assured. This cooperation opens access to the network of more than 700 UNESCO Chairs, more than a hundred topical networks, many of them engaged in the field of sustainability, as well as to national commissions for UNESCO. In respect of TJD, these opportunities have already been shown as very effective.

In December TJD and with it the IGU commission has been invited by the president of WAAS to cooperate with the Section for Human Security of UNHQ to take a leading role in the planned global survey on "Human Security for All (HS4A)". It is planned to change the so far applied top-down strategy (diplomacy) towards a bottom-up approach. In sum, the campaign is designed according to the principles of TJD. Through the commission, this would open the IGU prominent access to an important UN campaign. But of course, at the moment the staff situation of TJD needs a significant improvement to bring this opportunity to fruition.

D. Publications I Publications Articles

Aliste, E. (2021): La emergencia de los territorios y la condición socioambiental: poder, naturaleza, ciudadanía y la necesidad de conocimiento transdisciplinar. *Anales de la Universidad de Chile*, VII serie, 19, 195-206.

Núñez, A., E. Aliste & A. Martínez-Wong (2021):

La mercancía-espectáculo de las redes sociales: la producción del paisaje edénico y la reserva de vida en Patagonia-Aysén. *Diálogo Andino*, 66, 53-67.

Núñez, A., M. Benwell & E. Aliste (2020⁹): Interrogating green discourses in Patagonia Aysén (Chile): green grabbing and eco-extractivism as a new strategy of capitalism?.

Geographical Review, 1-19.

Marin, J., J. Cortés, E. Aliste & J. Campos (2020): Scientific controversy as a disaster risk factor: The 2007 seismic crisis in Patagonia, Chile. *International Journal of Disaster Risk Reduction*, 49, 101639.

Plischoff, P., M. Folchi, E. Aliste, D. Cea & J. Simonetti (2020): Chile mega-fire 2017: An analysis of social representation of forest plantation territory. *Applied Geography*, 119, 102226.

Vintar Mally, K. (2021): Trends in regional development in Slovenia in the light of the goals of sustainable development. *European journal of*

geography, 12(2), pp. 36– 51.

Vintar Mally, K. (2021): Socioeconomic and environmental characteristics of regional development in Slovenia. *Dela*, 56, pp. 71–87.

Werlen, B. (2021): What constitutes societal Transformations? In: The Most Important Challenge facing Humanity, *Cadmus Journal*, Vol. 5, 203-205.

Werlen, B. (2021): Global Understanding. Eine praxiszentrierte geographische Weltsicht. In: Wintzer, J., Mossig, I., Hof, A. (Hrsg.): Prinzipien, Strukturen und Praktiken geographischer Hochschullehre, 67-87.

II Commission website

<https://iguglobalunderstanding.jimdofree.com>

E. Archival Contributions

None to date.

REPORT OF IGU HAZARD AND RISK COMMISSION 2021

Membership

The following 10 people are the current steering committee members. Takashi OGUCHI (Chair)

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Masumi ZAIKI (Secretary)

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There are other 139 corresponding members who regularly receive information via e-mail. The members are from the following countries (number of people in parentheses): Bangladesh (2), Belize (1), Brazil (1), Cameroon (1), Chile (2), China (37), China (HK) (1),

Fiji (1), France (3), Germany (2),

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<https://www.kent.ac.uk/anthropology-conservation/people/991/www.kent.ac.uk/>

Greece (2), India (22), Indonesia (2), Iran (2), Iraq (1), Israel (1), Italy (3), Japan (16),

Kuwait (1),

Mexico (1), Myanmar (1), Nepal (1), Oman (1), Philippines (1), Poland (1), Portugal (1),

Romania (4),

Russia (1), Singapore (2), Slovenia (1), Spain (1), Taiwan (5), Turkey (1), UK (3), USA

(12), and

Vietnam (1).

Meetings

- 1) Organizing a session at the 34th International Geographical Congress, August 16–20, 2021. The 34th International Geographical Congress of the IGU was originally scheduled in August 2020 as an onsite meeting in Istanbul, Turkey. It was postponed due to the COVID-19 pandemic and was finally held online in August 2021. Our commission organized Session C17 “Contribution of Geography to Understanding Natural Disasters: Research, Education, and Society” at the congress on August 16. The chair of our commission, Takashi Oguchi was the convener and

chairperson of the session. Although more than 30 abstracts were originally submitted to the session, many of them were withdrawn after the congress was postponed and changed into the online format. In the end, we had 11 oral presentations and a few poster presentations. Still, the papers presented at our session covered various aspects of hazard and risk issues, especially the impact and mitigation of natural hazards including earthquakes, fluvial erosion, floods, and landslides. There was also active discussion after each presentation.



Screenshot of the presentation by Alessandro Mondini, a steering committee member of our commission, at the Hazard and Risk session of the 34th IGC.

- 2) Co-organizing the webinar “Geospatial Technology for Sustainable Development” on February 5–6, 2021.

The Department of Geography, University of Mysore, India, organized this GIS-related webinar in collaboration with three IGU commissions: Hazard and Risk, Gender and Geography, and Urban. The webinar aimed to create awareness about geospatial technology and sustainable development and spread relevant ideas to

researchers and other people including citizens. The webinar had four technical sessions: 1) Disaster Risk Reduction and Geospatial Technology, 2) Geospatial Technology for Sustainable Cities and Communities,

- 3) Geospatial Technology for Clean Water and Sanitation, and 4) Geospatial Technology for Climate Action. Our commission mainly contributed to the 1st session, and the chair of our commission, Takashi Oguchi, gave a keynote talk at the session. There were also the inauguration and valedictory sessions, and the late Prof. R. B. Singh, Secretary-General of



IGU at that time, attended the two sessions as a special guest.

Screenshot of the webinar “Geospatial Technology for Sustainable Development”



Part of the brochure of the webinar “Geospatial Technology for Sustainable Development”

3) Co-organizing the graduate school course “Coupling GIS and Machine Learning in Remote Sensing” on March 12–14, 2021.

The above course was organized by the Department of Physics and Geology, University of Perugia, Italy, in collaboration with our commission. The 15-hour course was part of the program "Earth System and Global Changes". The course aimed to provide PhD students with the

skill of interdisciplinary spatial analysis. The course had three 5-hour sessions: 1) GIS analysis for spatial data, 2) introduction to Machine Learning, and 3) Machine and Deep Learning for classification and semantic segmentation of remotely sensed imagery. Our commission took care of the last topic.

Poster of the course “Coupling GIS and Machine Learning in Remote Sensing”



4) Supporting the ICEO & SI Conference in Miaoli, Taiwan, on August 23–24, 2021

The ICEO & SI (International Conference on Earth Observations and Societal Impacts) is an annual conference organized mainly by the TGEO (Taiwan Group on Earth Observations). Our commission became a co-organizer of its 2019 conference and had a special session. Our commission was also supposed to be a co-organizer of the 2020 conference, but the conference was canceled due to the COVID-19 pandemic. The 2021 conference was held in a hybrid format – Taiwanese researchers fathered at the conference site, i.e., National United University in Miaoli, Taiwan; whereas, foreign researchers attended the conference online. The conference had 19 oral sessions and one general poster session. Our commission supported the organization of two sessions related to GIS and geographical problems such as hazards and risks. These sessions included 12 papers, and our commission chair, Takashi Oguchi, was a session convener along with Taiwanese colleagues.

5) Official partner/sponsor of the Geomorphometry 2021 Conference in Perugia, Italy, on September 13–17, 2021

The Geomorphometry Conference, focusing on quantitative land-surface analysis, is usually held every one or two years. The 2021 conference was held in Perugia, Italy, by the Research Institute for Geo-Hydrological Protection of the Italian National Research Council (CNR IRPI) and the Department of Physics and Geology of the University of Perugia. Our commission is an official partner of the conference. Alessandro Mondini, a steering committee member of our

commission, has been working for the CNR-IRPI and helped the organization of the conference as a representative of our commission. The conference was in hybrid format, and most attendees used remote connections. It was successful with 44 oral presentations.

6) Co-organizing the online workshop “International Workshop on Geography and Sustainability2021”, November 23–24, 2021.

This online workshop, focusing on the contribution of Geography to sustainability issues and disaster risk reduction, was organized by a series of groups and organizations. The two main organizers were the Faculty of Geographical Science, Beijing Normal University, and the Geographical Society of China. The nine co-organizers include eight IGU Commissions (Agricultural Geography and Land Engineering, Geography for Future Earth, Geoheritage, Hazard and Risk, Land Degradation and Desertification, Land Use and Land Cover Change, Water Sustainability, and Modeling Geographical Systems), and the IGU Young and Early Career Geographers Working Group on Geography and Sustainability. The workshop consisted of 12 keynote speeches and 83 research presentations in 10 sessions. One of the sessions, entitled “Disaster Risk Reduction for Sustainable Development”, was supported by our commission, and Takashi Oguchi, the commission chair, was the session convener. The nine presentations at the session were from Bangladesh, China, Italy, Japan, Lithuania, and Nigeria, and dealt with various aspects of hazards and risks related to floods, landslides, soil erosion, vegetation restoration, education, and governmental policies.

The following future events are currently planned:

- 1) Organizing the session “Contribution of Geography to Understand Natural Hazards and Risks” at the UGI-IGU Paris 2022 Congress, on July 18–22, 2022. The centennial congress of the IGU will be held in Paris in July 2022, and various onsite and online sessions have been proposed. Our commission proposed an onsite session entitled “Contribution of Geography to Understand Natural Hazards and Risks”, and

the session conveners from our steering committee are Takashi Oguchi and Alessandro Mondini. The proposal has been accepted by the local organizing committee of the congress. At the congress, we also plan to have an onsite business meeting of our commission, although the realization of the meeting and the onsite session depends on the situation of COVID-19.

- 2) Co-organizing the IGU Thematic Conference “Sustainability, Future Earth and Humanities: Opportunities and Challenges” on November 24–25th, 2022

The above conference, to be held at the Central University of Haryana, Mahendergarh, India, has been approved by the IGU executive committee. Our commission will be one of the co-organizers and has been communicating with the conference organizers at the Central University of Haryana.

- 3) Co-organizing the virtual conference “Challenges to Disaster Risk Reduction and Resilient Habitat” on April 5–6, 2022

The above conference is being prepared by the Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi, India. Professor Poonam Sharma, Director of the center, Dr. Pankaj Kumar, IGU Assistant Secretary-General, and Takashi Oguchi, our commission chair, have been discussing via e-mail about this conference and have agreed that our commission will be a co-organizer of the event.

- 4) Co-organizing the ICEO & SI Conference in 2022

As noted, our commission has been collaborating with TGEO (Taiwan Group on Earth Observations) and supporting the ICEO & SI conference series. The conference has been held annually in most recent years, and our commission is likely to be a co-organizer or an official supporter of the 2022 conference.

Publications

URL of the website of commission:

http://oguchaylab.csis.u-tokyo.ac.jp/IGU_Hazard/index.html

COMMISSION ON HEALTH AND THE ENVIRONMENT (IGU CHE) REPORT 2021

Due to the Covid-19 Pandemic, Professors Paula Santana and Thomas Krafft remained as Chair of the IGU CHE until December 2021, when the Chair passed to Professor Helen Gurgel and the Scientific Secretary to Professor Eva Pilot.

Thus, the report is divided into the activities carried out in the period 2020-21, when Professors Paula Santana and Thomas Krafft were the chairs, and the proposed activities for the next period from 2022 to 2024.

Activities during the mandate period 2020-21

Team composition IGU-CHE (2017-2021)Co-Chairpersons:

Thomas Krafft, Co-Chair (Netherlands)

University of Maastricht / e-mail:
thomas.krafft@maastrichtuniversity.nl

Paula Santana, Co- Chair (Portugal)

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Steering Committee Members:

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Yang Linsheng, Steering Committee Member (China)

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sveta_geo@yahoo.com

Blaise Nguendo Yongsi, Steering Committee Member (Cameroun)

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Sarah Lovell, Steering Committee Member (New Zealand) University of Canterbury /e-mail: sarah.lovell@canterbury.ac.nzAminata Niang-Diene, Steering Committee Member (Senegal)

Cheikh Anta Diop University of Dakar, Senegal/ aminata.niang@ucad.edu.sn

Susan Elliott, Steering Committee Member (Canada) University of Waterloo / e-mail:

susan.elliott@uwaterloo.ca

Julie Vallee, Steering Committee Member (France), CNRS, Paris, France / e-mail:

julie.vallee@parisgeo.cnrs.fr

Activities of IGU CHE 2020-21

A detailed account of the activities of IGU-CHE can be obtained from the bi-annual reports provided to the IGU (most recent 2018-19). Annual reports are also available as download from the IGU-CHE webpage. Achievements include inter alia:

- IGU-CHE in close collaboration with a couple of national specialty groups (on Health Geography) has been facilitating and supporting (a) the International Medical Geographical Symposium, a bi-annual conference of the English- speaking health geography community, and (b) GEOSAÚDE, the equivalent for the Portuguese and Spanishspeaking communities. Both conferences have grown with the support from IGU-CHE and are well recognized international platforms for

scientific debates attracting participant from various academic and professional disciplines.

- IGU-CHE has further developed its annual training workshops on Global Environmental Health and Future Earth that are organized in collaboration with the Institute of Geographic Sciences and Natural Resources Research of the Chinese Academy of Sciences. Since the introduction of the training several hundred of Chinese and international graduate and PhD students have been trained by an international faculty of eminent health geographers.
- IGU-CHE and members of its steering committee have taking prominent roles in organizing and supporting the International Conferences on Urban Health (ICUH) in Coimbra (2017), Kampala (2018) and Xiamen (2019). In addition, special workshops were organized together with the Healthy Polis initiative at the occasion of the ICUH.
- Every year of the current mandate period IGU-CHE has through its steering committee members organized a special issue of an international scientific journal on selected topics with high relevance to the scientific debate in our community.
- With the sub-commission “Health Geography Researcher Network”, jointly chaired by Claudia Costa and Eva Pilot, IGU-CHE has been able to extend its membership, outreach and international professional network significantly.
- By linking to a number of highly relevant flagship projects (like the EuroHealthy Project) developed and steered by members of its steering committee, IGU-CHE could further strengthen its scientific discourse and outreach.

IGU CHE proposal mandate 2022-2024

Team composition IGU-CHE (2022-2024)

The IGU CHE team is selected for one mandate period. A maximum of 12 steering group members are allowed. The main aspects guiding the

selection of IGU CHE steering group members are geographic distribution, active in health geography, involvement in IGU CHE activities, gender balance and willingness to contribute actively to the commission work. Selection takes place at IGU CHE meetings linked to key conferences. IGU general assembly has to approve the steering group.

Chair: Helen Gurgel, Chair (Brazil)

University of Brasilia e-mail: helengurgel@unb.br

Scientific Secretary: Eva Pilot (Netherlands)

Maastricht University / e-mail: eva.pilot@maastrichtuniversity.nl

Steering Group Members:

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Liliana Dumitrache, Steering Committee Member (Romania) University of Bucharest / e-mail: dosaredumitrache@yahoo.com

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Honourable Members:

To honour and recognise their valuable contribution to the scientific field and their long-term leadership, the IGU CHE has extended honorary memberships to:

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Prof. Thomas Krafft (Netherlands)

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Sub-Commission - Health Geography Researcher Network Co-Chairs: Claudia Costa (Portugal), Eva Pilot (Netherlands) **Members:** currently updated

Health Geography Researchers Network aims to reach out to the health geography community, engage with young researchers, enlarge IGU CHE activities, and engage additional members beyond the restricted IGU CHE steering group.

Facebook: [https://www.facebook.com/Health-](https://www.facebook.com/Health-Geography-Researcher-Network-779298652122288/)

Geography-Researcher- Network-

779298652122288/

Website: <http://www.healthgeography.org> **IGU CHE proposal activates 2022-2024**

The International Geographical Union's Commission on Health and Environment (IGU-CHE) comprises scientists and professionals in Health Geography, Environmental Health and Public Health that apply, discuss and further develop geographic methods and thought in their research, work and academic teaching. Members of the IGU Commission on Health and the Environment carry out research on health and health care in the natural and built environment recognising the importance of gender, diversity and equity in a globalised world.

The strategic foci for the mandate period 2021 to 2024 as agreed by the commission are:

1. The research on the quality of life, sustainability and health equity with an emphasis on health, healthcare and the environment at various geographic scales;
2. Environmental change: Direct and indirect impacts of land use and climate change on health. Focusing on actions to adapt to associated environmental events and their health consequences that are exacerbated by extreme events;
3. Understanding the drivers and consequences of emerging and re-emerging infectious diseases to support health system strengthening and societal resilience and equity, including health preparedness & response and participation & governance, focusing specifically on the One Health approach;
4. Research on health in all policies and especially urban health towards a green economy with a specific focus on vulnerable groups and healthy environments;
5. Research on communication and risk behaviour in epidemic situations to scientifically support communication with society to combat fake news and help confront problems of health risk;

6. Promote discussions to highlight intertwined links among global changes, global health, migration and the environment.

These foci reflect both the continuation of the previous work carried out by IGU-CHE and the strategic aim to contribute to and further strengthen important international initiatives like Future Earth, One Health, Health and Wellbeing in the Changing Urban Environment. The aforementioned strategic foci are also defined in view of the necessary scientific contributions to the environmental health components during the UN Decade of Action to deliver Sustainable Development Goals. IGU-CHE members are active in many national and international initiatives and continue to represent IGU in these relevant initiatives over the mandate period 2021-2024. They contribute as health geographers to the international efforts to improve global health and global health governance. IGU-CHE provides a platform for its members in collaboration with the members of the various national and regional (health geography) speciality groups to discuss, define and further develop concepts, conceptual frameworks and curricula related to health geography and the emerging fields of global health and planetary health.

Suggested IGU CHE Steering group meetings: 3 meetings per year

Reports: yearly

Newsletters: currently no capacity, hopefully at a later stage. The IGU CHE report and IGU central newsletter will be forwarded to all commission and sub-commission members as the current dissemination strategy. If someone wants to get engaged with helping to facilitate a newsletter, kindly reach out to Eva Pilot.

IGU CHE Website: <https://www.iguhep.org> | This website will be updated. The domain name refers to IGU HEP- Health Environment and Public Health

Facebook: <https://www.facebook.com/Health-Geography-Researcher-Network-779298652122288/> | Publicise actions in Health and Environment (e.g. events and job and training)

International Health Geography Award: IGU Health Geography award – linked to (evaluation form/poster/oral presentation)

The Health Geography award aims to create visibility and acknowledgement for scientists

with a specific focus on early careers. Two prizes will be given at each linked event one oral paper presentation and one poster presentation. The award will be connected to the following international events.

Geosaude (Next event in Portugal 2022, Brazil 2023), IMGS (Next event in Edinburgh, Scotland 2022),

IGU Conference and Congress (Next event in Paris, France 2022) The commission is supporting the award with 100 Euro per winner.

IGU CHE budget: All members contribute to the commission work without receiving financial compensation. The commission is supported by the general IGU grant of 1500 Euro yearly. This support needs to be requested yearly (Michael Meadows michael.meadows@uct.ac.za) Current balance on the IGU CHE account is \$5532.92 (Budget holder: Mark Rosenberg) Currently, the budget is used to maintain the websites and contribute to the international health geography award.

Upcoming conferences:

- IGU Paris, France from 18-22 July 2022 <https://www.ugiparis2022.org>
Health Geography sessions listed at the IGU in Paris are the following:
 - Disasters and Human Health (organised by IGU CHE)
 - Urban Health Equity (organised by IGU CHE)
 - Environment and Health: Final Spurt towards the SDGs 2030 (organised by IGU CHE)
 - Everyday Activities, Places, and Wellbeing (organised by IGU CHE)
 - Health and Environment in the tropical

Regions (organised by IGU CHE)

- Climate and Health (organised by Climate commission)
- E-Health and Territories (organised by Geography of Information, Innovation and Technology)

All sessions of the IGU are listed under the following link [https:// www.ugiparis2022.](https://www.ugiparis2022.org/upload/UGI_Commission_Session_UGI2022.pdf)

[org/upload/UGI_Commission_Session_UGI2022.pdf](https://www.ugiparis2022.org/upload/UGI_Commission_Session_UGI2022.pdf)

- IMGS Edinburgh, Scotland from 19-24th of June 2022 <https://imgs2022.org> Session on Public Health surveillance beyond numbers submitted
- Geosaude, Portugal 2022
- GeoSaude Manaus, Brasil 2023

COMMISSION HISTORY OF GEOGRAPHY – REPORT 2021 AND MANDATE 2020-2024

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Over the aforementioned commission members,
the Commission have a contacts' mailing list
containing around 500 recipients in all the
continents.

New Commission's website: <https://ugihg.hypotheses.org/>

2. Activities carried out since November 2020, and future plans

For 2021, the Commission has organised three
symposia and co-organised a new , which were
both postponed to 2021 due to the current
pandemics. Other two symposia were scheduled to
take place in the same year and are both
regularly scheduled for now:

- 27-29 May 2021 IGU Thematic Conference Heritage Geographies: Politics, Uses and Governance of the Past, Lecce (Italy) [online]. CFP of the Commission History of Geography: **SOUTHERN THINKING. HERITAGE, MIGRATION AND MEDITERRANEAN CULTURES**

<https://conference.unisalento.it/ocs/index.php/heritagegeographies/heritagegeographies>

- 19-23 July 2021: Co-organisation of the **INTERNATIONAL CONFERENCE FOR THE CENTENARY OF PETER KROPOTKIN**

University of São Paulo, USP (Brazil)
Department of Geography [online],
<https://kropotkin2021.com/>

- 25-31 July 2021: Co-organisation of the session **CROSSING THE BORDERS BETWEEN METEOROLOGY, CLIMATOLOGY AND GEOGRAPHY** 26th

International Congress of History of Science and Technology (ICHST), Prague [online]
<https://www.ichst2021.org/>

- 16-20 August 2021. International Geographical Congress in Istanbul [online]: Joint Session

BRIDGING DIFFERENCES: EAST, WEST, SEAS AND MEDITERRANEAN

WORLDS with the IGU Commissions Gender and Geography and Political Geography
<https://www.igc2020.org/en/JOINT-SESSION-HISTORY-OF-GEOGRAPHY->

[GENDER-AND-GEOGRAPHY-POLITICAL-GEOGRAPHY.html](https://www.igc2020.org/en/JOINT-SESSION-HISTORY-OF-GEOGRAPHY-)

Activities expected to take place in 2022
(Sessions organised or co-organised by the Commission in the 2022 Paris Centenary Geographical Congress – CFPs launched):

- Session: **Life Writing and Geographical Trajectories** (convenors Elizabeth Baigent and André Reyes Novaes)
- Session: **Academics under (Geo) – Political Pressure** (convenors Marcella Schmidt di Friedberg and Virginie Mamadouh)
- Session: **Key Concepts In Political Geography: Spatial And Temporal (Dis) Continuities** (convenors Virginie Mamadouh and Marcella Schmidt di Friedberg)



3. Commission's publications:

Geographers, Biobibliographical Studies, vol. 40 (2021), edited by Elizabeth Baigent and André Reyes Novaes. Theme: **On Southern Traditions and Geographical Trajectories**. Biographies Geographers: Josué de Castro (Archie Davies and

Federico Ferretti); Elina Morales (Marcelo Kezic and Susana Curto), Bernardino de Souza (André Nunes de Souza), Jaime Cortesão (Francisco Roque de Oliveira) and Carlos Robert de Moraes (Carlos Nogueira).

Bologna, 14 January 2022

Annual Report 2021

C20.25 Islands

A. Membership

1. The Steering Committee for 2021-2024

Chair: Huei-Min Tsai, Professor, Graduate Institute of Environmental Education, National Taiwan Normal University, Taipei 116, **Taiwan**. Phone: +886-2-77346565; Mobile: +86-933921658. Email:

hmtsai@ntnu.edu.tw

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Vice Chair: Annette Breckwoldt, Senior Scientist, shlee@ntnu.edu.tw

Steering Committee Members:

Eric Clark, Professor, Lund University, Department of Human Geography, Sölvegatan 10, 22362 Lund, **Sweden**. (Former Chair 2016-2021; Vice-Chair 2007-2016) eric.clark@keg.lu.se

Adam Grydehøj, Director, Island Dynamics, **Denmark**; agrydehoj@islanddynamics.org

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James A. Randall, UNESCO Chair in Island Studies and Sustainability, Professor of Island Studies at University of Prince Edward Island, Charlottetown, Prince Edward Island, **Canada** jarandall@upe.ca

Jonathan Pugh, Reader in Island Studies, Newcastle University, **UK** jonathan.pugh@ncl.ac.uk

Patsy Lewis, Professor, Regional Integration and Small States Development, University of the West Indies, Mona, **Jamaica**; Visiting Professor, Brown University, Providence, RI, **USA** patsy_lewis@brown.edu

Sun-Kee Hong, Professor, Institution for Marine & Island Cultures (MIC), Mokpo National University, Songrim-ro 41-11, Mokpo 530-841, **Republic of Korea**

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Su-Hsin Lee, Professor, Department of Geography, National Taiwan Normal University, Taipei 106²⁹, **Taiwan**, +886-2-77341665

Tessa Minter, Assistant Professor, Cultural Anthropology and Development Sociology, University of Leiden, Wassenaarseweg 52, 2333 AK Leiden, **The Netherlands** mintert@fsw.leidenuniv.nl

2. Advisory Board

For the sake of continuity and to support the Commission, previous Steering Committee Members (2006-2016) have kindly agreed to function as an Advisory Board during the 2016-2024 term.

Chang-Yi David Chang, Professor, Department of Geography, National Taiwan University, Roosevelt Road, Taipei 106, **Taiwan**. (Former Chair, 2007-2016) changyi@ntu.edu.tw

Godfrey Baldacchino, Professor, Pro-Rector, University of Malta, **Malta**

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Gerard Persoon, Professor emeritus, Leiden University, P. O. Box 9518, 2300 RA Leiden, **The Netherlands** g.a.persoon@fsw.leidenuniv.nl

Philip Steinberg, Professor, Durham University, Department of Geography,

UK philip.steinberg@durham.ac.uk

Elaine Stratford, Associate Executive Dean, College of Sciences and Engineering; Professor and Head of School, Geography and

3. Corresponding Members:

The circulation list of corresponding members includes over 400 names from 35 countries: Australia, Austria, Bahamas, Brazil, Canada, China, Denmark, Fiji, Finland, France, Germany, Greece, Greenland, Hong Kong, India, Israel, Italy, Japan, Korea, Malta, Mauritius, Mexico, Netherlands, New Zealand, Norway, Philippines, Poland, Reunion Islands, Russia, Sweden, Switzerland, Taiwan, United Kingdom, United States, Virgin Island.

B. Meetings

Conferences and meetings have been organized by Steering Committee solely or jointly co-organized with IGC, or IGU regional conferences, or in

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Randy Thaman, Professor, University of the South Pacific, Laucala Campus, **Fiji**

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François Taglioni, Director of Research, Institute of research on development

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Reunion Island

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collaboration with other island studies organizations, such as International Small Islands Studies Association (ISISA) and Island Dynamics.

- The meetings/events the Commission held in **2021** and plans for later years:

1. Strengthen communication networks among island geographic researchers and island communities, primarily through the Island Commission website, Facebook, and newsletters.

2. Collaboration with IGU for an Island Session '**Time for Island Research(ers)**' at the IGU Centennial Congress '**Time for Geographers**', to be held in Paris, 18-22 July 2022 (<https://www.ugiparis2022.org>).

C20.25 ISLANDS COMMISSION ANNUAL REPORT 2021

The Session we propose for the IGU Centennial Congress 2022 ‘Time for Geographers’ aims to put the spotlight on local island researchers of various (inter-)disciplinary backgrounds, and their work towards achieving island sustainability. Especially early career researchers from small islands across the world will be welcome to present and exchange their sustainability challenges, perceived knowledge gaps, and the solutions they have come to find.

In global assessments, some SIDS (Small Island Developing States) are still not included, and data from small islands is merely integrated. Similarly, in the conventional international peer-reviewed publication system of science, local islanders rarely appear as co-authors or first authors. An independent research profile is a necessity to keep science independent and to be able to tap into international funding schemes (e.g. for marine conservation projects). A transdisciplinary research landscape needs to be established for and by local students and scholars. This enables them to start planning for locally determined sustainability targets and aspects, and to contribute globally with valuable lessons for our ‘planet of islands’. Session contributors will present their research themes empirically anchored in local contexts.

This paper session provides opportunities to engage with ideas of sustainability within island geographical scholarship, the challenges of island sustainability beyond the academy, and the shifting field of global-local island research itself. We welcome papers addressing concerns such as (but not limited to): What is the role of island researchers in taking matters forward to achieve specific Sustainable Development Goals? What are the forces at play in processes of social and economic polarization, environmental degradation, and the generation of ‘uncommon futures’ in island societies? What alternative agendas and

concepts might island geographic research advance for the future? How can international visibility and the voices of young islanders and SIDS scholars be enhanced, to contribute to global discussions of visions for home islands?

The two main objectives and outcomes will be a) to provide an interactive platform to international research to connect “from island to island” in a way they would normally not have the scope, time and capacity, and b) joint peer-reviewed publications by the contributors on the challenges and barriers found and the solutions that can facilitate local research towards meaningful local science that enables sustainable use and development of island resources (both human and natural). This will be supported by a small exhibition of island research and work during the congress, which would also bring islanders together “across all seas” in a hybrid face-to-face/digital manner.

At this stage, it is too early to list names and affiliations of some expected speakers, but possible themes are: (1) *Islands in Anthropocene*; (2) *Island decolonization and indigeneity*; (3) *Local artists + art scholars presenting at the conference - visual attention*;

(4) *Link between terrestrial and marine ecosystems and related extractive industries*; (5) *What does it mean to be “models of the world” in everyday debates*? (6) *UNESCO SIDS participation & case studies*; (7) *The social- ecological roles of reef passages*; (8) *Indigenous Fisheries Knowledge – lost stories or integrated modern management*? (9) More topics to be announced.

Chair: Annette Breckwoldt, Senior Scientist, Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany, Email: annette.breckwoldt@leibniz-zmt.de

Co-chair 1: Huei-Min Tsai, Professor, College of Science, National Taiwan Normal University, Taipei, Taiwan, *Email: hmtsai@ntnu.edu.tw*; **Co-chair 2: Mucahid M. Bayrak**, Associate Professor, Department of Geography, National Taiwan Normal University, Taipei, Taiwan. *Email: mmbayrak@ntnu.edu.tw*; **Co-chair 3: Khalissa Ikhlef**, UNESCO Section on Small Island Developing States (SIDS), *Email: k.ikhlef@unesco.org*

Supported by the Steering Committee of IGU Commission on Islands (C20.25): Eric Clark (Lund University, Sweden), Adam Grydehøj (Island Dynamics, Denmark), Be'ne'dicte Andre' (Macquarie University, Australia), James A. Randall (University of Prince Edward Island, Canada), Jonathan Pugh (Newcastle University,

5. Education Programs – In order to promote the study of island geography in education programs at all levels, the Commission will organize various workshops and educational programs for island geographical studies, younggeographers exploration, young islanders programs, and so on.

6. Online book launch of “Tsai, H.M., Lin Y.R. and Bayrak, M.M. (eds.) (2021) Indigenous Resilience and Indigenous Knowledge Systems in the context of Climate Change. MDPI: Basel, Switzerland (ISBN: ISBN 978-3-0365-2632-4)”, organized on January 12, 2022, attended by representatives of Research Institute for the Humanities and Social Sciences, Ministry of Science and Technology, Taiwan, and including 40+ international and domestic attendees.

7. April 23-24, 2021 - *The Island Humanities Conference and Webinar* held by Mokpo National University, Republic of Korea. 15 presenters came from Malta, Taiwan, Japan, Vietnam and South Korea; over 50 participants. The themes including East-Asian Perspective on island studies, customary marine tenure and the humanities of the islands, what comes after vulnerability, etc. Part of articles have submitted the special issue of Journal of Marine and Island Cultures.

8. April 27, 2021 – Joint webinar with Future Earth- Coast Commission- on *Landscape*

UK), Patsy Lewis (University of the West Indies, Jamaica, and Brown University, USA), Sun-Kee Hong (Mokpo National University, Republic of Korea), Tessa Minter (Leiden University, the Netherlands), Su- Hsin Lee (National Taiwan Normal University, Taiwan)

3. Collaboration with International Small Island Studies Association to organize the 18th ‘*Islands of the World Conference*’ in Zadar and area, Croatia - 13-19 June 2022 (<https://conference.unizd.hr/isisaislands/>).

4. Regional Meetings: Co-organize a South Pacific Islands Conference in collaboration with the SOCPacific project (<https://socpacific.net>) based on fieldwork periods in Fiji, Vanuatu and New Caledonia conducted in

Conservation, Geopark and Future Earth Coast Conference. 16 paper presenters came from France, Philippine, Vietnam, Japan, South Korea, Hong Kong, and Taiwan. The themes including small islands’ biocultural diversity, coastal management of small islands, cultural heritages of Geopark, promoting Suto-umi for coastal conservation, and the Future Earth Coasts Projects in France, Taiwan and Southeast Asian Countries.

9. April 29, 2021- Webinar on Covid-19 Challenges for Asian Pacific Islands, Jeju Island, Republic of Korea. 10 papers were presented. Participants mainly come from Korea, Japan, Taiwan and Singapore.

10. May 2021 – Dec. 2021 *Taiwan- New Zealand Pacific Islands Indigenous Science and Innovation* pilot project, Overseas Science and Innovation Center of College of Liberal Arts, National Taiwan Normal University; sponsored by Seed Grant, Higher Education SPROUT Project, Ministry of Education, Taiwan. Activities included research among three Indigenous communities in Taiwan, and the completion of a documentary on Indigenous education.

11. December 11, 2021 – *The 8th East Asian Island and Ocean Forum- “Changes and Chaos in Islands and Seascapes”* Organized by Prof. Sun-Kee Hong (IGU-Islands Commission Member), Institute for Marine and Island Culture, Mokpo

National University, Korea.

C. Networking

having been approved by the IGU Executive Committee at the IGU Brisbane Conference in July 2006. Since its inaugural conference was held in Taipei, Taiwan in 2007, the Commission has gathered scholars from around the world who are interested in studying islands as distinct geographical phenomena and in exploring their significance in the contexts issues concerning global change, sustainability and resilience research, cultural geography and humanities, political and economic geography, and other key aspects of development. The Commission also works together with relevant national and international organizations in promoting research on and awareness of island development issues, as well as to strengthen the significance of the wealth of diversity of island cultures

The IGU Commission on Islands has consistently networked and collaborated with other island studies organizations, most prominently the **International Small Islands Studies Association (ISISA)**, **Island Dynamics**, **Future Earth- Coast**, **A Sea of Connections-Contextualizing Fisheries in the South Pacific Region (SOCPacific)** Project, and so on. It has furthermore collaborated with other IGU Commissions, most notably previous **C12.21** Indigenous Knowledges and Peoples' Rights. The Commission plans to initiate dialogue with more Commissions to look into potential collaborations such as co-organizing conferences (e.g. staggering days at same venue, with overlapping research interests convening together at the end of one conference and beginning of the other; or, convening together throughout, but with some keynotes and sessions in plenum). These might include Commissions such as **C20.06** Coastal Systems; **C20.12** Geographical Education; **C20.17** Geography of Tourism, Leisure, and Global Change; **C20.21** Global Understanding; **C20.22** Hazard and Risk; or **C20.32** Marginalization, Globalization, and Regional and Local Responses.

Related Links in the networking:IGU:

<https://igu-online.org/>

ISISA: <http://www.isisa.org/index.php> ;

Island Studies Journal (SSCI): <https://www.islandstudies.ca/Journal> of Marine and Island Cultures: <https://jmic.online/> Island Dynamics: <https://www.islanddynamics.org/>

Island Innovation: <https://islandinnovation.co/>

Future Earth Coast: <https://www.futureearthcoasts.org/our-hotspots/>
SOCPacific Project: <https://socpacific.net>

D. Publications

1. Island Studies Journal (ISSN: 1715-2593): <https://islandstudiesjournal.org/> Latest issue: *Representing islands – producing islandness: Rethinking identities, mobilities, and relations in island research*, ISJ 16(2), November 2021. (editor-in-chief: Dr. **Adam Grydehøj**, IGU-Islands Steering Committee Member)
2. **Journal of Marine and Island Cultures** / International open access journal, SCOPUS / <http://jmic.online/>https://jmic.online/issues/?fbclid=IwAR0-bWa9gSgnGAMkqKFMT9wR7u7aLUG6kv9dFtudtrErm31ED_Lxo_nnH M#v10n2 (vol. 10-1 and vol.10-2 in 2021 were published) (editor-in-chief: Prof. **Sun-KeeHong**, IGU-Islands Steering Committee Member)
3. **Anthropocene Islands' initiative** (editor Dr. **Jonathan Pugh**, IGU-Islands Steering Committee Member) ['Anthropocene islands: There are only islands after the end of the world Article Menu'](https://www.anthropoceneislands.online/DavidChandler&JonathanPugh(2021)). <https://doi.org/10.1177/2043820621997018>
4. **Island Experiences with COVID-19** (co-editor: Prof. **James Randall**, IGU-Islands Steering Committee Member): covering 24 island experiences, Guam, Okinawa, Trinidad & Tobago, Grenada, Aland Islands, Shetlands, Malta, Egadi Islands, etc. <https://islandinnovation.co/category/partners/scelg-upei/>
5. SOCPacific:

Kitolelei, S., Thaman, R., Veitayaki, J., **Breckwoldt**, A. and S. Piovano (2021). Na Vuku Makawa niQoli: Indigenous Fishing Knowledge (IFK) in Fiji and the Pacific.

Frontiers in Marine Sciences 8: 967. DOI: 10.3389/fmars.2021.684303

Breckwoldt, A., Lopes, P., Selim, S. (2021). Look who's asking: Reflections on participatory and transdisciplinary marine research approaches. *Frontiers in Marine Sciences*. 8: 627502. DOI:10.3389/fmars.2021.627502

Karcher, D.B., Fache, E., **Breckwoldt**, A., Govan, H., Ilosvay, X.E.E., Kon Kam King, J., Riera, L. and

C. Sabinot (2020). Trends in South Pacific **Systems in the context of Climate Change**" in *Sustainability* journal (Guest editors: **Huei-Min Tsai**, IGU-Islands Chair; Yih-Ren Lin, and **Mucahid M. Bayrak**, ICU-Islands Executive Secretary) : https://www.mdpi.com/journal/sustainability/special_issues/Climate_Change_Indigenous_Resilience_and_Local_Knowledge_Systems;

examples of papers:

Berkes F, **Tsai H-M**, Bayrak MM, Lin Y-R. Indigenous Resilience to Disasters in Taiwan and Beyond. *Sustainability*. 2021; 13(5):2435. <https://doi.org/10.3390/su13052435>

Bayrak MM, Hsu Y-Y, Hung L-S, **Tsai H-M**, vayayana t'. Global Climate Change and Indigenous Peoples in Taiwan: A Critical Bibliometric Analysis and Review.

Sustainability. 2021; 13(1):29. <https://doi.org/10.3390/su13010029>

Persoon GA, Minter T. Knowledge and Practices

fisheries management. *Marine Policy* 118: 104021, DOI: 10.1016/j.marpol.2020.104021

Marino, M., **Breckwoldt**, A., Teichberg, M., Kase, A., Reuter, H. (2019). Livelihood aspects of seaweed farming in Rote Island, Indonesia. *Marine Policy* 102: 103600. DOI: 10.1016/j.marpol.2019.103600

Fache, E. and **Breckwoldt**, A. (2019). Introduction to Research Project SOCPacific: A Sea of Connections: An interdisciplinary, multi-level and multi-stakeholder study of South Pacific fisheries. *Pacific Geographies* 51 (16-21), <https://doi.org/10.23791/511621>

10.23791/511621

6. Special Issue (2021) "**Indigenous Resilience and Indigenous Knowledge**

of Indigenous Peoples in the Context of Resource Management in Relation to Climate Change in Southeast Asia. *Sustainability*. 2020; 12(19):7983. <https://doi.org/10.3390/su12197983>

van der Ploeg J, Sukulu M, Govan H, **Minter T**, Eriksson H. Sinking Islands, Drowned Logic; Climate Change and Community-Based Adaptation Discourses in Solomon Islands. *Sustainability*. 2020; 12(17):7225. <https://doi.org/10.3390/su12177225>

7. Tsai, H.M., Lin Y.R. and Bayrak, M.M. (eds.) (2021) *Indigenous Resilience and Indigenous Knowledge Systems in the context of Climate Change*. MDPI: Basel, Switzerland (ISBN: ISBN 978-3-0365-2632-4).

• **URL: C20.25 Commission's website:** <http://geogsoc.org.tw/IGU-Islands/>

• **Commission's Facebook:** https://www.facebook.com/IGU_Islands-293879944568925

KARST COMMISSION REPORT 2021

A. Membership

A.1. Steering Committee

Chair: Prof Dr. Eko Haryono

Faculty of Geography

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mail:e.haryono@ugm.ac.id

Vice Chair : Prof. Junbing Pu

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Prof. Dr. Nenad Buzjak

Department of Geography, Faculty of Science University of Zagreb, CROATIA
nbuzjak@geog.pmf.hr

A.2. Corresponding Members Total corresponding Members of KC-IGU is 279 from 35 countries. The number of members by countries is shown in the following table.

No	Country	Total	No	Country	Total
1	Australia	5	21	Japan	4
2	Austria	6	22	Poland	9
3	Belgium	12	23	Portugal	4
4	Bermuda	1	24	Korea	2
5	Bosnia	1	25	Romania	1
6	Basil	3	26	Rusia	15
7	Bulgaria	2	27	Serbia	3
8	Canada	4	28	Slovakia	5
9	China	27	29	Slovenia	17
10	Croatia	15	30	South Africa	2
11	Czech Republic	6	31	Spain	11
12	French	33	32	Turkey	2

13	Germany	11	33	UK	7	18	Ireland	1
14	Greece	3	34	Ukraine	1	19	Israel	1
15	Hungary	15	35	US	20	20	Italy	19
16	Indonesia	10						
17	Iran	1						

B. New website of Karst Commission



<https://igukarstcommission.wixsite.com/kc-igu>

Meetings

1. Karst session on 34th International Geographical Congress 2021, 16-20 August, Turkey.

KC-IGU will host two topics:

- a. Global Karst Critical Zone (KCZ) chaired by Prof. Dr. Jianhua Cao from International Research Centre on Karst, China. The session will discuss the nature of Karst Critical Zone that is the most

susceptible to environmental change and disturbances. The discussion seeks to have better understanding of KCZ in order to anticipate and mitigate karst environmental deterioration.

- b. Land Use Planning in Karst Region, Chaired by Dr. Eko Haryono from Universitas Gadjah Mada, Indonesia. The session invites karst scientist to share and discuss best practice on karst zonation for better karst management.

2. Workshop on Advances in Geoinformatics: Method, Techniques, and Applications, organized by Dr. Dhanjit Dekka



(Indian Karst Steering member)

C. New special issues in Zeitschrift für Geomorphologie

The special issue was edited by

Dr. Elena Trofimova and Jean Noel Salomon
entitled

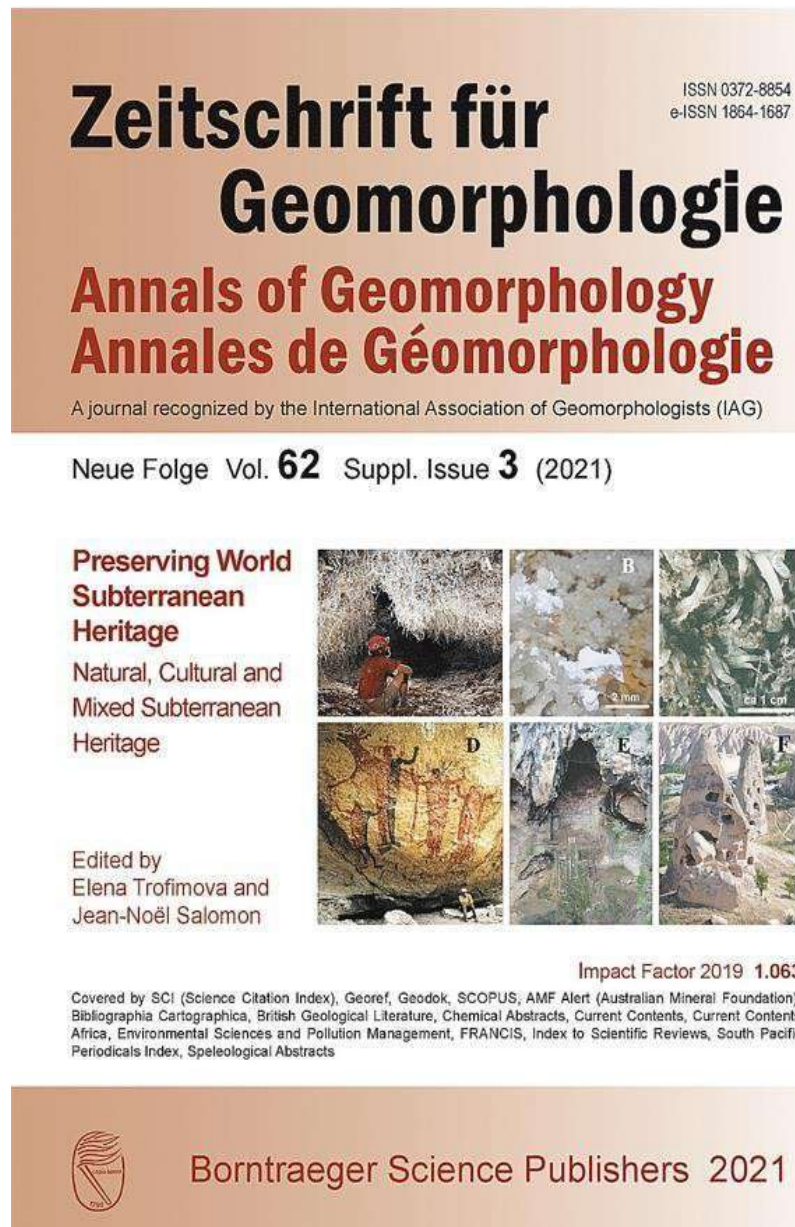
**Preserving World Subterranean Heritage:
Natural, Cultural and Mixed Subterranean
Heritage**

https://www.schweizerbart.de/papers/zfg_suppl/

list/62#issue3

Dr. Elena is former Chairman of Karst-IGU
Commission. I am as the present chairman was
responsible for reviewing all the manuscript.

Sixteen papers was included in the publication



F. Productive Use of previous IGU grant

KC-IGU has not used grant yet from IGU
secretarial

**INTERNATIONAL
UNION (IGU / UGI)**

GEOGRAPHICAL

COMMISSION ON LAND DEGRADATION AND DESERTIFICATION (COMLAND) REPORT 2021

Matija Zorn (Chair) and Owen Graham (Secretary)

January 2022

www.comland.org

CONTENTS PAGE

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The Commission on Land Degradation and Desertification (COMLAND) is a Commission of the International Geographical Union (IGU). See <http://igu-online.org/> for further information on the IGU.

0 PURPOSE AND SCOPE OF COMLAND

Most environments are affected by common factors that favour and increase land degradation processes. Two main topics are widely responsible: a) climatic conditions and changes, and b) anthropic impacts through land use. There is an urgent need to achieve a better practical and theoretical understanding of land degradation processes which affect the world's landscapes. In order to achieve these objectives, the working plan of the Commission is as follows:

- to promote and coordinate interdisciplinary research on land degradation and desertification in our changing global environment;

- to study the effects of environmental change, both natural and human-induced, and their implications for land degradation and desertification;
- to conduct regional case studies under different climatic regimes and environmental risks (forest fires, floods, river channel changes, soil erosion, water depletion, water quality), study the planning and design of conservation measures and the potential conflict between ecological sustainability and economic viability;
- to alert authorities as to the importance of adequate surveillance of land degradation processes;
- to develop and communicate the best techniques for monitoring changes and collecting data, and
- to sponsor and support activities leading to the exchange of information regarding land degradation and desertification.

I. COMLAND MEMBERSHIP

Steering Committee

Chair:

Assoc. Prof. Matija Zorn

Anton Melik Geographical Institute, Research Centre of the Slovenian Academy of Sciences and Arts, Ljubljana,

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Assoc. Prof. Lea Wittenberg

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leaw@geo.haifa.ac.il

COMLAND MEMBERS – members per country

(country unknown)	30	Korea, Rep.	3
Australia	27	New Zealand	3
USA	22	Slovenia	3
Poland	18	Canada	2
China	17	China, (Taiwan) Rep.	2
United Kingdom	15	Thailand	2
Israel	13	Albania	1
Germany	13	Algeria	1
Iceland	11	Argentina	1
India	11	Belgium	1
Brazil	8	China (Hong Kong)	1
Italy	8	Greece	1
Netherlands	6	Iran	1
Portugal	6	Ireland	1
South Africa	6	Mexico	1
Spain	6	Mongolia	1
Austria	5	Nigeria	1
France	5	Romania	1
Hungary	5	Russia	1
Japan	5	Singapore	1
Armenia	3	Sweden	1
Chile	3	UAE	2
Finland	3	TOTAL	278

People are welcome to join COMLAND by sending their name, affiliation, country and email via the “Contact” page on the www.comland.org website. Members will be sent emails on an irregular basis advising of events, meetings and other relevant matters including messages from the IGU.

Members are encouraged to attend events which are hosted by COMLAND or have COMLAND presence or support. This encourages networking and professional development.

II. MEETINGS & ACTIVITIES

COMLAND continues to be an active IGU Commission, and since the 2008 IGU Congress in Tunis has been productive from the standpoint of the organization of meetings, publications, awards, and in the addition of new Members and Steering Committee Members.

COMLAND's direct face-to-face activities in 2021 were cancelled due to the COVID-19 pandemic. The membership is optimistic that previously scheduled and new face-to-face meetings will occur during 2022.

34th International Geographical Congress (IGC

2020) – Istanbul, Turkey. August 16–20 2021

COMLAND hosted an on-line session titled “*Land degradation and desertification: new research and its implications for monitoring and mitigation*” that was chaired by COMLAND Steering Committee member Andrea Vacca. The scheduled COMLAND Business Meeting was postponed to the IGU 2022 conference in Paris.

International Workshop on Geography and Sustainability 2021 – Beijing, China. November 23–24 2021 COMLAND had organised a special session on land degradation that was chaired by the commission chair. The conference/workshop was organized on-line by the IGU Commission on Geography for Future Earth in cooperation with several other IGU commissions including COMLAND.

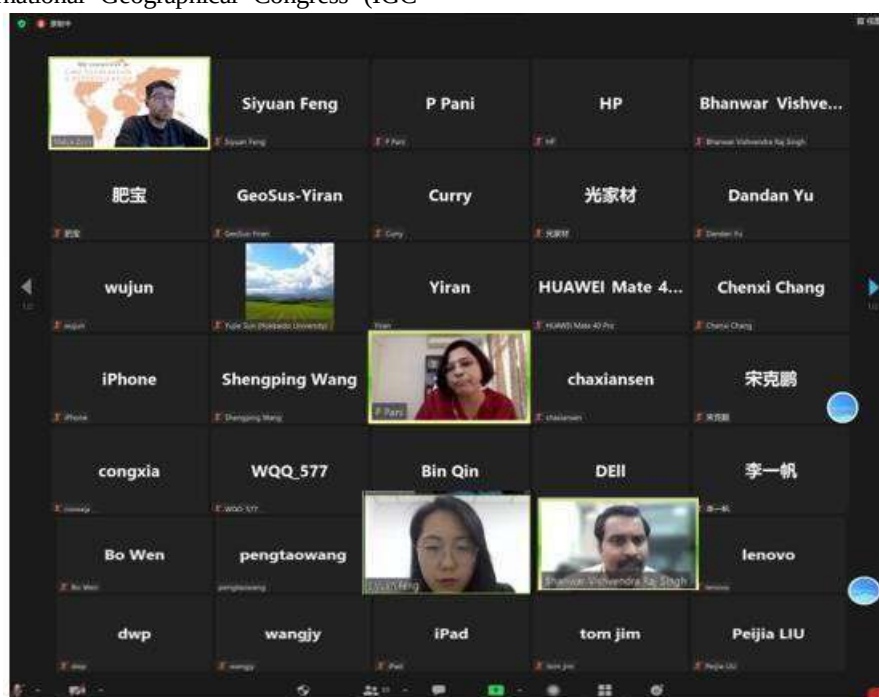


Figure: Some attendants of the COMLAND session.

IGU Paris 2022: Time for Geographers – Paris, France. July 18–22 2022

COMLAND will host a session titled “*2L⁴a⁷nd Degradation: An Underestimated Environmental Challenge*” that will be chaired by three COMLAND Steering Committee members (Owen

Graham, Andrea Vacca and Matija Zorn). Development of the session proposal was done in 2021. A Business Meeting will also be held at the conference. COMLAND is planning to work with the Congress organisers to help support attendance by some young scientists.

International Association of Geomorphologists (IAG) Conference on Geomorphology - Coimbra Portugal. September 2022

COMLAND is considering its participation which would include papers, a Business Meeting, field activities and proposed support to Organisers to assist young scientists to attend the Conference.

III. Networking and Collaboration:

Cooperation with the World Association of Soil and Water Conservation (WASWAC) and the International Union of Soil Sciences (UISS)

COMLAND supported “Protecting the Soil is Protecting the Climate” initiative by the WASWAC and UISS to raise awareness and promote the significance and implications of the world’s soil systems as climate regulators.

Other IGU Commissions:

COMLAND has an active working relationship with the Commission on Hazard and Risk and is developing such relationship with the Commission on Land Use and Land Cover Change and Commission on Geography for FutureEarth.

IV. Publications

COMLAND continues to publish papers from its sponsored sessions and conferences, with most appearing in international peer reviewed journals. This is on an opportunistic basis.

The COMLAND website is maintained by the COMLAND Secretary and operational costs are covered through IGU grants. The COMLAND website contains information that includes upcoming and past meetings, the Steering Committee, awards, reports and publications. The website contains all of COMLAND’s available archival information. Web URL: www.comland.org.

COMLAND Members receive occasional emails that publicise upcoming COMLAND and some IGU events. Members are referred to the COMLAND website for the latest information on matters. This communication takes the place of newsletters.

V. ARCHIVAL CONTRIBUTIONS:

Archival material is available from the Commission’s Annual Reports. These usually

include relevant photographs from meetings, field excursions and other events.

VI. Use of IGU Grants:

The IGU Grant to COMLAND is used for operational expenses in maintaining the COMLAND website on a commercial platform (www.comland.org) which includes domain registration expenses, website hosting and internet access charges.

COMLAND has also supported events/conferences that are relevant and/or advantageous to COMLAND’s interests. The COMLAND Steering Committee has agreed that these funds are allocated to events to support the active attendance of young scientists. It is usually at the discretion of the event organisers on who and how these funds are allocated or pooled. This means that any COMLAND funding support is usually to event organisers and not directly to individuals. COMLAND seeks recognition through verbal acknowledgement and use of its logo where possible.

Annual Report of Landscape Analysis and Landscape Planning Commission, IGU for the year 2021

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First, we summarized the Istanbul IGC submissions (29 presentations in total: 12 in Climatology and 17 in Climate Change) and updated sessions chairpersons (also in the following e-mail discussion). As for the session proposal for the IGC2022, a few open suggestions have been made, e.g.: “Extreme hydrometeorological events, their spatial and temporal variability and impact”, “Adaptation measure to extreme temperatures in Urban area”, “Climate and health”, “The role of climate conditions in the COVID dispersion” or “Solar radiation management and climate change mitigation”. Regarding the extended deadline for sessions proposals until October the additional meeting was scheduled. 251

CoC members discussed also the necessity of any book edition or the special issue edited by the commission. The issue will be recognized and hopefully initiated as changing climate conditions are crucial for a wide range of environmental studies. 251

C. Networking 251

Agnieszka Wypych (representing CoC) and Barbaros Gönençgil (representing IGU together with prof M. Meadows but also CoC as its former member) took part in International Geographical Society Gathering Organised by RSGS in partnership with RGS and IGU on Tuesday 22nd June 2021. The meeting was held to discuss respective and collective responses of geographers to the climate emergency. As the result of the meeting the Join declaration on the climate and biodiversity emergencies was formulated. 251

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VI. Steering committee members

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I. Meetings

The Commission organised five internal meetings to discuss the content and structure of the Commission's website, which is planned to be set up by the end of 2022.

In 2022, the members of the Commission are planning to participate at the following high-profile meetings:

- World Forestry Congress in South Korea, May 2022

- At the IGU annual conference in Paris, July 2022

III. Networking

1. The Commission is networking with members of the Landscape Ecology Group, IUFRO, which is devoted to promoting and furthering an understanding of landscape ecology; with IALE Ukraine, Georgia and Armenia.
2. The Commission also participates in meetings organised by the Intergovernmental Platforms for Biodiversity and Ecosystem Services (IPBES).

IV. Publications

Books/chapters

Grodzynski, M. 2021. The Evolution of Landscapes of Ukraine in Holocene from Landscape ecological perspective. Wydawnictwo Uniwersytetu Kazimierza Wielkiego w Bydgoszczy

McDermott, C., Elbakidze, M., Teitelbaum, S., Tysiachniouk, M. 2022. Chapter 21 Forest certification in boreal forests: current developments and future directions. In: Girona, MM. (edr). Sustainable forest management of the boreal forests in the face of climate change.

Springer Nature Switzerland AG.

Öztürk, M., Mulk Khan, Sh., Altay, V., Efe, R., Egamberdieva, D., Khassanov, F (editors). 2021. Biodiversity, Conservation and Sustainability in Asia. Volume 2: Prospects and Challenges in South and Middle Asia. Springer Nature Switzerland AG.

Öztürk, M., Altay, V., Efe, R (editors). 2021. Biodiversity, Conservation and Sustainability in Asia. Volume 1: Prospects and Challenges in West Asia and Caucasus. Springer Nature Switzerland AG.

Articles in international peer-reviewed journals:

Dawson, L., M. Elbakidze, M. Schellens, A. Shkaruba, and P. K. Angelstam. 2021. Bogs, birds, and berries in Belarus: the governance and

management dynamics of wetland restoration in a state-centric, top-down context. *Ecology and Society* 26(1):8.

Elbakidze, M., Surova, D., Muniz-Rojas, J., Persson, JO., Dawson, L., Plieninger, T., Pinto-Correia. 2021. Perceived benefits from agroforestry landscapes across North-Eastern Europe: what matters and for whom? *Landscape and Urban Planning* 209.

Elbakidze, M., L. Dawson, C. L. McDermott, S. Teitelbaum, and M. Tysiachniouk. 2022. Biodiversity conservation through forest certification: key factors shaping national Forest Stewardship Council (FSC) standard-development processes in Canada, Sweden, and Russia. *Ecology and Society* 27(1):9.

Teitelbaum, S., Tysiachniouk, M., McDermott, Elbakidze, M. 2021. Articulating FPIC through transnational sustainability standards: a comparative analysis of Forest Stewardship Council's development process in Canada, Russia and Sweden. *Land use policy* 109, 105631.

Tysiachniouk, M., McDermott, C., Kulyasova, A., Teitelbaum, S., Elbakidze, M. 2021. The politics of scale in global governance: Do more stringent international forest certification standards protect local rights in Russia? *Forest Policy and Economics*, 125.

V. Activities

Join project activities

In 2020, Members of the Commission jointly submitted the project proposal named "Transnational partnership towards academic integration in Europe: Urban blue-green infrastructure in Europe's East and West (LINC)" which was funded by the Swedish Institute in 2021. **LINC** proposes a transnational partnership among higher education and research institutions, with five partners from four countries – Armenia, Georgia, Sweden and Ukraine. The purpose of LINC is two-fold. (1) To strengthen the capacities of academics and students through the co-development of joint research methodologies and practices and publication in high-rank scientific journals. (2) To facilitate communication and experience-sharing between university

Kupková, L.; Bičík, I.; Jeleček, L. 2021. At the Crossroads of European Landscape Changes: Major Processes of Landscape Change in Czechia since the Middle of the 19th Century and Their Driving Forces. *Land*, 10, 34.

Ozturk, M., Altay, V., Gönenç, T.M., Unal, B.T., Efe, R., Akçiçek, E., Bukhari, A. 2021. An Overview of Olive Cultivation in Turkey: Botanical Features, Eco-Physiology and Phytochemical Aspects. *Agronomy*, 11, 295.

Smaliychuk, A., Ghazaryan, G. & Dubovyk, O. Land-use changes in Northern Ukraine: patterns and dynamics of illegal amber mining during 1986–2016. *Environ Monit Assess* 193, 502 (2021). <https://doi.org/10.1007/s10661-021-09317->

departments regarding the development of internationalisation strategies that correspond to partner universities' specific contexts, needs, and capacities. Key objectives of LINC:

O1. To improve the capacity of academia in Europe's East and West to integrate foreign expertise and contribute to collective knowledge production.

O2. To train young academics and master students to solve real-world problems with practitioners in various contexts, using BGI cases as trans-European learning laboratories.

O3. To facilitate communication among higher education organisations to outline strategies for internationalisation among partner organisations.

O4. Using a multi-platform communication strategy to maximise the impact of LINC outcomes for outreach amongst relevant stakeholders and promote transnational collaborative approaches to the internationalisation of higher education across Europe's East and West.

In 2021, the following activities were done by partners: The Internet-based surveys on peoples' preferences for, perceptions and usage of urban green spaces in four countries – Armenia, Georgia, Sweden and Ukraine. In total, 7200 responses were collected. We are analysing the collected data, and planning to publish together three scientific articles

in international peer-reviewed journals (see the information about the survey, which was widely distributed in appendix 1).

- The face-to-face interviews with 1000 respondents on selecting and using green spaces in 16 towns in the four countries. The collected data will be analysed and used to produce scientific and popular-style publications in native languages.
- On-going the Internet-based survey on the internationalisation of higher education in the four countries (the links to the surveys in native languages see Appendix 2). Short-silms
- Currently, we are working on producing four 5-minute films on the internationalisation of higher education in Europe's East and West, and on preferences and usage of urban greenspace in the four countries - Armenia, Georgia, Sweden and Ukraine – which will be posted on a web-site of the Commission.

Appendices:

Appendix 1.

Posters in four languages (Armenia, Georgian, Ukrainian and Swedish) about the surveys on people's preferences, perceptions, and usage of urban greenspace in four respective

naturreservat, skogar, sjöar, vattendrag, och stränder.

Därför är vi tacksamma för dina synpunkter på grönområdena i och runt din bostadsort och om du besvarar vår enkät i följande länk https://sv.research.net/r/green_area och QR-koda

Appendix 2.

Links to the surveys on opportunities in challenges of internationalisation of higher education in Armenia, Georgia, Ukraine and Sweden in native languages.

https://www.surveymonkey.com/r/Inter_Armenia

https://www.surveymonkey.com/r/Inter_Georgia

https://www.surveymonkey.com/r/Inter_Ukraine

<https://www.surveymonkey.com/r/>

Internationalization_Sweden

COMMISSION ON LAND USE AND LAND COVER CHANGE REPORT 2021



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Members

There are 185 members in the IGU Commission
on Land Use and Land Cover Change. We can
find out the country origin for 76% of them.

Country	Number of members	Country	Number of members
Japan	20	Afghanistan	1
Czech	18	Australia	1
Italy	9	Bulgaria	1
Romania	9	Brazil	1
	271		
Slovakia	8	Canada	1
Austria	7	Ecuador	1
China	7	Finland	1
Germany	6	France	1
South Africa	5	Greece	1
Poland	3	Iran	1
Portugal	3	Israel	1
Slovenia	3	Jamaica	1
Taiwan	3	Mexico	1
Turkey	3	New Zealand	1
India	4	Spain	1
Indonesia	2	Sri Lanka	1
Ireland	2	Switzerland	1
Nigeria	2	Thailand	1
Russia	2	United Kingdom	1
The	2	Zambia	1

B. MEETINGS

Last meetings

PRE-IGU CONGRESS SEMINAR (August 12 – 14, 2021, Varna, Bulgaria),

<https://nnpos.wordpress.com/pre-congress-seminar/>

The PRE-IGU CONGRESS SEMINAR was held between 12 – 14 August 2021 in Varna (Bulgaria). The conference was organized by the Commissions for Local and Regional Development and Land Use and Land Cover Change at the International Geographical Union (IGU), and the Bulgarian “Environmental Protection and Reduction of Risks of Adverse Events and Natural Disasters” National Science Program.

As a result of this cooperation between the IGU Commissions and the Bulgarian National Science Program, the conference topics were the following: Local and Regional Vulnerabilities to Natural Hazards – Resilient Cities and Communities; Challenges of Urban and Rural Areas – Impacts on Local and Regional Development; Socio-economic Disparities and Local and Regional

Development; Land Use and Land Cover Change and Land Degradation; Causes and Consequences of Land Use/Cover Changes; Ecosystem Services; Biodiversity; Natural Hazards and Risks; Geographic Information Science.

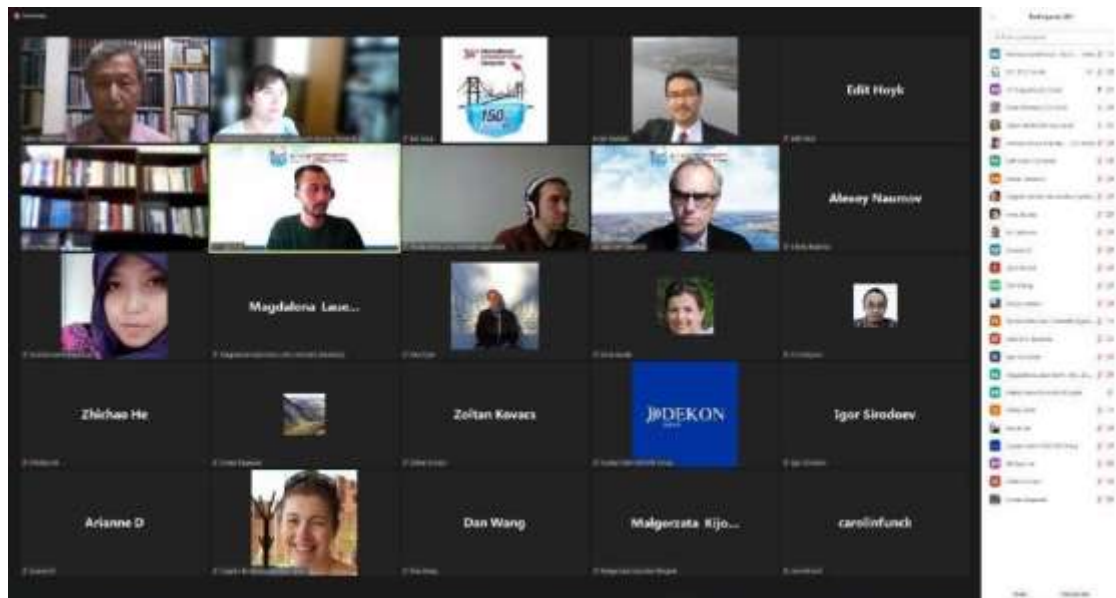
The conference was organized in the classic, face-to-face format and more than 40 people took part, mostly from Central and Eastern Europe.

The following LUCC Steering Committee Members have taken part in the Pre-Congress Seminar: Monica Dumitraşcu (Chair), Matej Gabrovec (past-chair), Bernd Cyffka (Committee Member).

TURKEY, Istanbul, August 2021

The LUCC commission organized 4 sections part of the IGU's 34th Geographical Congress which was held on Istanbul between the 16th and the 20th of August 2021. Further information is available at <https://www.igc2020.org/en/default.asp> and <https://www.igc2020.org/en/LAND-USE-AND-LAND-COVER-CHANGE.html> The sections are titled as follows:

Change in Land Systems and Its Implications for the Ecosystem and Environment of



1. Upper Asia; valuable source of information about landscape dynamics
2. Driving Forces of Land-use Changes;
3. Land cover/land use and its change data- 4. Long-term Land-use and Land-cover



The IGU LUCC Commission was involved in the 34th IGU Congress through 25 scientific papers grouped into 7 slots on the 16th and 20th of August, 2021. The topics of the presented works were in line with the general theme proposed by the LUCC Commission for the 34th IGU Congress, that is, Long- term Land-Use and Land-Cover Changes, Driving forces of Land-Use Changes, Land Cover/ Land Use and its Change Data – Valuable Source of Information About Landscape Dynamics, Change in Land System and its Implications for the Ecosystem and Environment of Upper Asia. In addition, one session was organised in collaboration with the Biogeography and Biodiversity IGU Commission on the topic of Land Use/Cover Change Impacts on Mountain Landscapes.

Of the 25 papers submitted, 23 were presented, since two of the authors were not present.

The issues discussed during the sessions focused on the assessment of various theoretical, methodological and practical aspects of land use/land cover change in countries with diversified economic, social and political systems such as: Great Britain, Poland, Czech Republic, Slovenia, Hungary, Romania, Russia, Japan, China, India, Mongolia, Pakistan, Kyrgyzstan, Indonesia, Thailand and Ethiopia. The main topics of discussion focused on: land cover and landscape change using historical maps; the impact of socio-economic and political changes on land use/land cover change, urban expansion; the impact of extreme events on land use/land cover change, the driving forces of land- use changes. The wide

spatial coverage of the discussed topics and the participation of outstanding scholars from prestigious universities and research institutions have revealed various ideas, experiences and models related to land use/land cover changes.

Each slot was attended by an average of 15 to 30 participants, which was conducive to active discussions on the topics presented, as well as discussions on the future activities of the LUCC Commission and the possibilities of expanding it. The following LUCC Steering Committee Members took part in the 34th IGC: Monica Dumitraşcu (Chair), Yukio Himiyama (Honorary Member) and Bernd Cyffka (Committee Member).

International Workshop on Geography and Sustainability (GeoSUS) 2021 (November 23-24, 2021), Beijing, China, on-line; <https://geosus2021.scievent.com/>

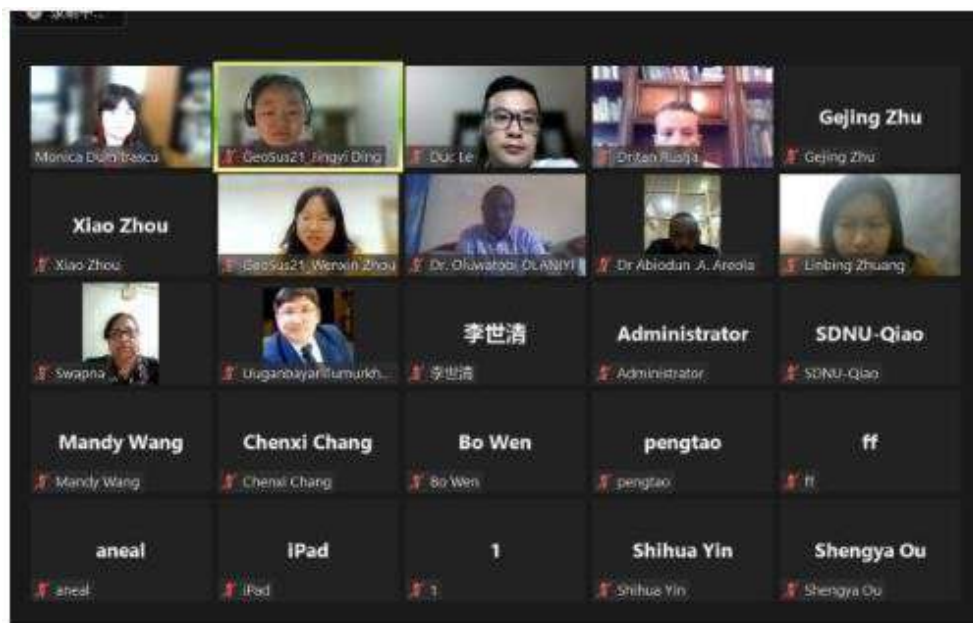
The International Workshop on Geography and Sustainability was held online via Zoom between the 23rd and 24th of November, 2021. The workshop's theme was “The Geography of the Anthropocene: Transforming our World for Sustainable Development”. It was organized to identify critical research areas in the field of geography and sustainability, and to present geographical case studies on sustainable development. The workshop was hosted by the International Geographical Union (IGU) (nine commissions were involved), co-organized by Beijing Normal University and the Geographical Society of China, and supported by the Geography and Sustainability Journal. The workshop focused on land degradation, disaster risk, water resources,

agricultural geography, geographical modelling, urban land use, heritage park, geographical education.

The IGU Commissions involved were: the IGU Commission on Agricultural Geography and Land Engineering; the IGU Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability; the IGU Commission on Geoheritage; the IGU Commission on Hazard and

Risk; the IGU Commission on Land Degradation and Desertification; the IGU Commission on Land Use and Land Cover Change; the IGU Commission on Water Sustainability; the IGU Commission on Modelling Geographical Systems, the IGU Commission for Young and Early Career Geographers Task Force.

During this Workshop, two LUCC sessions were organized where 20 papers were presented.



Panel Session I: *Land use change and sustainable development*, organised by the IGU Commission on Land Use and Land Cover Change. There were 11 presentations on the topic of land use change and sustainability. There were speakers from all over the world, but mainly from China, Japan, India, Albania and Nigeria. The presentations covered a wide range of topics on land use change, including ecosystem service trade-offs, land use changes in big cities, rubber plantation changes, forest degradation, the impact of a water diversion project on ecosystem service values, the ecological effects of impervious surface expansion, spatial-temporal changes in vegetation, carbon emission efficiency, the spatial distribution of soil nutrients and changes in urban green spaces. The studies covered a wide range of systems, ranging from big cities (e.g., Wuhan) to large river basins (e.g., the Yangtze), from agriculture systems (rubber plantation) to forests, from riparian systems to

urban green spaces at the country scale.

Panel Session C: *Urban and sustainable development* organized by the IGU Commission on Land Use and Land Cover Change. This session included 9 presentations on the topic of urbanization, land use cover changes in urban areas, and sustainability. The speakers were mainly from Asia (China and India). This session drew in 65 attendees. The presentations covered interesting topics, ranging from land use changes in classic regions across decades to urban expansion in big cities, from ecosystem services valuation to the supply-demand balance of ecosystem services, from the impact of the pandemic lockdown to carbon neutralization. The systems discussed ranged from coastal delta to large river basins, from big regional cities to country scale environments.



Forthcoming meetings

Paris, France, IGU Centenary Congress, July 18-22, 2022



The LUCC Commission has proposed 4 sessions, all of which are to take place in person:

1. Land Use/Land Cover Change Driving Forces and Impacts;
2. Long-Term Land Use/Land Cover Changes Evaluation: Towards the Definition of General Concepts in Land Use/Land Cover Science;
3. Land Use/Land Cover Change Mapping: Data and Methodology,
4. Land Use/Land Cover Changes and Land Degradation in the Anthropocene;

C. Networking

The LUCC commission collaborated with the commissions on Local and Regional Development,

Biogeography and Biodiversity, as well as Land Degradation and Desertification. Also LUCC commission collaborated with Commission on Geography for Future Earth:

Coupled Human-Earth Systems for Sustainability and Commission on Health and Environment.

Collaboration with IGU Commissions:

- Commission on Local and Regional Development
- Commission on Biogeography and Biodiversity
- Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability;
- Commission on Mediterranean Basin

- Commission on Land Degradation and Desertification
- Commission on Health and Environment
- Other institutions:
- Institute of Geography, Romanian Academy
- *Anton Melik* Geographical Institute, Slovenia
- Charles University, Prague, Czechia
- Institute of Geography, Slovak Academy of Sciences
- Hokkaido University of Education
- National Institute for Geophysics, Geodesy, and Geography, Bulgarian Academy of Sciences
- Journal - *Open Geoscience*
- Journal - *Romanian Journal of Geography*
- India Geographical Society
- China Geographical Society
- Beijing Normal University
- Journal - *Geography and Sustainability*
- Journal - *Land (MDPI)*

The commission's website: <http://lucc.zrc-sazu.si/> updating and addition of new material.

D. Publications

The majority of LUCC Atlases have been published on-line. They are available on the LUCC Commission website (<http://lucc.zrc-sazu.si/>)

- In 2021 the IGU LUCC - Volume XV was published <http://lucc.zrc-sazu.si/Publications/Atlases/VolumeXV>

Editors: Yukio Himiyama Hokkaido University of Education, Japan Lucie Kupkova Charles University, Czechia

Contents: Ancient Landscapes of Moravia: Inventory of the sites that have avoided land use changes over the long-term in the Czech Republic (Jaromír Kolečka)

In 2021 a special issue was proposed in the LAND (MDPI) Journal on the topic "*Urban Landscape Dynamics: Recent Trends and Future Challenges*", guest editors: Monika Kopecká, PhD., Monica Dumitraşcu, PhD., Lucie Kupková, PhD. More details are to be found at the following address: https://www.mdpi.com/journal/land/special_issues/urban_landscape_dynamics

(C20.30) COMMISSION FOR LATIN AMERICAN STUDIES & CARIBBEAN REPORT 2021

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1. PRESENTATION

The International Geographical Union - Commission for Latin American & Caribbean Studies has the honor of presenting its report for the period 2016-2020 to the approval of its members and organizers of the Study Commission.

The mission of the IGU Commission for Latin American & Caribbean Studies is to "Constitute a social network producing Latin American Geographical research with a critical vision from the academy and from praxis, from the daily routine that seeks to explore the rich ontology of the Latin American knowledge submitted in the geopolitics of knowledge in the space - time of the world - system. The Latin American Studies Commission will be a platform for professionals in Latin American geography to achieve high-level theoretical and methodological contributions from the various geographies at the service of our people" ...

This year 2021 was very hard for the human species, the Sars CoV -2 virus known as the Covid - 19 pandemic affected almost all of humanity, but this global health alert challenge was the beginning of collaboration and mutual work from geography

2. MEMBERSHIP :

Executive Committee 2020 – 2024:

- **Juan Manuel Delgado (University of**

and of geographers, where the contribution up to the day this report was written is relevant and makes our discipline visible as the science that is capable of innovating to solve real problems of humanity and the earth.

The conversations with CLACSO, facilitated by its Latin American Critical Geographical Thinking Working Group, are now a reality as the agreement has been confirmed by both entities, an unprecedented cooperation for Latin America and the Caribbean, but above all for its geographies and geographers.

This year 2021, our study commission has led coordination meetings and tasks with the various national committees such as: Venezuela, Ecuador, Bolivia, Peru, Brazil, Colombia and the Dominican Republic, something unprecedented in our continent. That is why we have dared to apply to the city of Lima to organize the IGU 2026 Regional Conference.

We are grateful for the opportunity given to this idea of making the Geographies of Latin America known in the International Geographical Union and we hope that from the beginning of our commission's activities we can include much more Latin American and Caribbean geographers in the activities of the IGU.

We ratify our commitment in this period 2022-2024 to continue our work and for this reason we request the ratification of our studies commission.

Juan Manuel Delgado Estrada Chair Committee

Commission on Latin American Studies & Caribbean International Geographical Union

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- MEETINGS:**
- Study Commission Meetings
- The Commission for Latin American and Caribbean Studies met twice in 2021, the following dates being: 03/13/2021
- Where its statute, membership and plan of activities for the period 2020 - 2024 were approved, highlighting organizing its own event "Latin American and Caribbean Congress of the IGU" and participating in the Centennial Congress of Paris (2022) and the Thematic Conference of topics urban in Mexico (2023).
 - Support the proposal for an Agreement between the IGU and CLACSO that is underway. CLACSO's counterpart is the Latin American Critical Geographic Thought GT and, on behalf of the IGU, the

Commission for Latin American and Caribbean Studies.

- It was reported that there is a project to carry out a summer/winter school within the framework of the UGI and CLACSO agreement for 2022/2023. 06/26/2021
- An IGU Latin America and Caribbean Bulletin was created: worked with the national committees. It would have two languages, Spanish and Portuguese. (Spanish, official language UGI)
- Editorial Work Proposal on the History of Geographic Thought in Latin

America and the Caribbean, will be coordinated with the National Committees of Latin America and the Caribbean.

- The candidacy for the year 2026 of Lima-Peru, which will apply to host the 2026 Regional Conference, is supported.

Meetings of the National Committees of Latin America and the Caribbean 11/02/2020

- **Assistants:** Edwin Lozada Valdez (IGU – Peru), Jose Becerra Ruiz (IGU –Venezuela), Luz Ángela Castro Nungo and Luis Carlos Jiménez Reyes (IGU – Colombia), Yonkers Garcés (IGU - Dominican Republic), Pablo Cabrera IGU – Ecuador), Rubén Camilo Lois González (IGU Vice President), Marco Mitidiero (IGU - Brazil) and Lorena Izá (AGB - Brazil).
- Participation in the 2020(2021) World Congresses in Istanbul was agreed, which will be 100% virtual, that of 2024 in Dublin and 2028 in Melbourne, in addition to the IGU Centenary Conference 2022 in Paris.
- Support the agreement between the IGU and CLACSO. For the next meeting it would be good to explore the various events of the IGU (thematic conferences, Latin American and Caribbean Congress of the IGU, summer/ winter schools IGU).
- **Assistants:** Edwin Lozada Valdez (IGU –

Peru), Luz Ángela Castro Nungo and Luis Carlos Jiménez Reyes (IGU – Colombia), Yonkers Garcés (IGU - Dominican Republic), Pablo Cabrera (IGU – Ecuador), Rubén Camilo Lois González (Vice President IGU), Marco Mitidiero (IGU - Brazil) and Juan Manuel Delgado (Peru, IGU Latam and Caribbean).

- It is proposed that the bulletin should contain opinion articles, interviews, etc., of a mainly informative nature, its languages be Spanish and/or Portuguese from other continents so that it is proposed to be the official bulletin in Spanish of the IGU.
- It is agreed to support the next thematic conference in 2023 in Mexico City, which will be directed by the Urban Studies Commission based at UNAM. The Commission for Latin American and Caribbean Studies supports this event, participation is open to National Committees.
- It was commented on holding a second version of the Thematic Conference on the Geography of Peace in Colombia, there is interest from the IGU National Committee. It is recommended that it be for the year 2024 or 2025.
- It was approved that the Latin American and Caribbean Studies Commission have its own event in an odd year so as not to be a parallel event to the EGAL, it was requested that it always be a coordinated effort between the National Committees and the Latin American and Caribbean Studies Commission.
- The possibility of a Latin American and Caribbean country hosting the IGU Regional Conference in 2026 was communicated. It was agreed to discuss whether a unitary candidacy from our continent is possible: Lima was chosen from among the two pre-candidates to represent our country. continent. Events:
- **Bicentennial Cathedra:** “Indigenous

peoples, environment and new constitution”, the speakers were; Marian Elena Foronda Eduardo Gudynas and Alberto Chirif, was held on June 2, 2022. Explanatory summary: It is about achieving the scope of an anthropologist and a specialist in political ecology, about the few possibilities offered by the current constitution in Peru, and the need for a new constitution, for the protection and development possibilities of indigenous peoples and care for the environment. Issues that are intermingled until they are actually one.

- **UGI/CLACSO/UMSA International Course:** “Public Policies, Environment and Territorial Development”, was held between October and November, with the academic endorsement of the Universidad Mayor de San Andrés in Bolivia, with approximately 25 students of various nationalities. South American, the teachers were Peruvian members of the IGU - Peru, two similar courses are expected to be held in 2022.
- **Seminar on Latin American and Caribbean situations:** “Geopolitical contexts and emerging realities”; From September to November 2021, it was co-organized with the CLACSO GT of Latin American Critical Geographic Thought, universities, groups of geographers²⁸³ and geographers from Latin America and the Caribbean in 8 sessions, the topics of each conference were:
 - From the Geography of the conflict to the Geographies of hope in Latin America and the Caribbean.
 - Ecological and geopolitical emergencies in the Greater Caribbean.
 - From the geographies of conflict to the geographies of peace in Colombia.
 - geographies of the crisis in Venezuela: territory, environment and geopolitics.
 - Environmental challenges in Central

America and the Greater Caribbean: territorial defense, extractivism and energy.

- Luta pela vida e pela dignity: Um olhar from the territories of resistance.
- Socio-environmental conflicts: the problems surrounding the Paraná River in Argentina.
- Tensions in Bolivia: elites, identity, politics and environment.

4. NETWORKING

- **IGU – IGU.** Of the various communications from 2016 – 2020 with the Study Commissions of the IGU, we can specifically mention three:
- **African Studies Commission,** a thematic table has been proposed at the UGI Paris 2022 Centennial Conference, also to strengthen SOUTH-SOUTH relations and hold mutually agreed events and present a memorandum to the IGU Executive Committee on the colonial role of geography in Latin America and the Caribbean, as well as in Africa.
- **With the Political Geography Studies Commission,** it has been proposed to hold a 2nd Thematic Conference on the Geography of Peace, this time it would be held in Colombia and the National Committee has already proposed it through the National University of Colombia.
- **In Peru,** the Project to organize the National Geography Olympiad has been presented and we are coordinating with the Olympics Working Group to send a delegation to the IGU and National Geographic International Geography Olympiads.
- Communications have been established to carry out agreements and organize activities in common with these international organizations, thematic networks such as the following:
- **PAIGH - Pan American Institute of Geography and History of the OAS.** It has been proposed to sign an agreement between

the UGI and the PAIGH, the Geography Commission is chaired by Dr. Patricia Solís and there is communication and a predisposition to carry out activities until 2024.

- **CLACSO - Latin American Council of Social Sciences.** Thanks to the “Latin American Critical Geographic Thought” Working Group, an inter-institutional cooperation agreement will be signed with the UGI, events, publications and research groups are planned.
- **CLAG - Conference of Latin Americanist Geographers.** We were going to participate in the CLAG Conference in Tucson 2022, it was cancelled, but we are going to present hosting the event for 2024. We are going to present a Dossier in your JCLAG magazine.
- **AAG - Association of American Geographers,** is the largest and oldest institution in our continent and we have made contact with the special Latin American Working Group and there is already a possibility of making a proposal for common academic activities until 2024.
- **EGAL - Meeting of Geographers of Latin America,** the 2021 version was held in Córdoba, Argentina, for 2023 Santo Domingo, Dominican Republic was chosen, the UGI National Committee of that country will be the organizer, who had our advice to make the application and win the headquarters so it's good news to start an IGU work in the Caribbean.
- **AUIP Ibero-American Postgraduate University Association,** is an international non- governmental organization recognized by UNESCO. At this moment, the creation of the Thematic Network of Geopolitics and Social Sciences directed by the National University of San Marcos and the University of Barcelona is being postulated, it will be an ally of the UGI and CLACSO.
- **ALAS – Latin American Association of Sociology,** in this version of the 33rd ALAS Congress 2022 that will be held in Mexico City, as IGU we are going to participate in

the GT of Latin American Social Thought, we continue to connect.

- **ISA- International Association of Sociology,** The National University of San Marcos through its Research Group "Territoriality, environment and power" of the Faculty of Social Sciences is an associate member representing Peru. The proposal to create an ISA GT for the Melbourne 2023 World Congress will be presented.

5. PUBLICATIONS:

- **Espiral, journal of geographies and social sciences:** In April 2019 and then in December 2019, in a joint effort between the UGI and CLACSO, the first 2 issues of the magazine were published. The National University of San Marcos through its Research Group "Territoriality, environment and power" is the one who coordinates and directs said editorial project. The journal has published 02 issues for this 2021 and continues its indexing process with SCIELO and LATINDEX.
- **IGU Books:** The reissue of the works of Professor Milton Santos is in process, it will also be with CLACSO within the collection “Anthologies of Latin American and Caribbean Social Thought”.
- **Two editorial projects will be presented,** one thematic on Latin America and the Caribbean, which is being coordinated with the Consultative Committee of our Commission and is directed by Prof. Marcelo López de Souza. On the other hand, another will be presented regarding the Latin American and Caribbean Geographic Thought coordinated by the National Committees of Colombia and our Study Commission.
- **Website:** With great joy we can inform you that the website of the Commission for Latin American and Caribbean Studies of the UGI is now active: [http:// www.ugi-latinoamerica.org/](http://www.ugi-latinoamerica.org/), a Facebook fan page account has also been created <https://www.facebook.com/ugi.latinoamerica/> we are also subscribed to twitter and a YouTube

channel has been created and we hope to create a LinkedIn profile to create a virtual community friendly to the IGU in Spanish.

- **Electronic Newsletter:** After the meetings of the Commission, the editorial committee was established and the editorial directives of

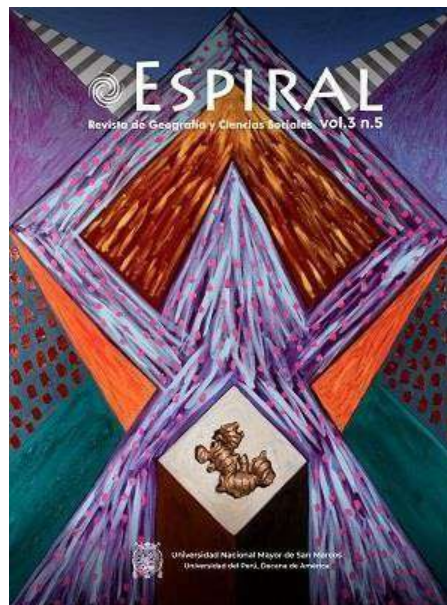


Espiral Journal:

<https://revistasinvestigacion.unmsm.edu.pe/index.php/spiral>

the UGI – LATAM Newsletter were given, there has been a delay in the publication so it is expected that for this first semester of 2022 it can be published from our website.

6. ARCHIVAL CONTRIBUTIONS:



Events:



CATEDRA DEL BICENTENARIO
WEBINAR: "PUEBLOS INDÍGENAS, AMBIENTE Y NUEVA CONSTITUCIÓN EN EL BICENTENARIO"

PRESENTACIONES

Alonso de
Borja
Investigador en ciencias
del espacio y del medio
ambiente en el INIA
Borja de Borja

Marta Pina
Florencia Tarró
Investigadora de la UBA
Núcleo de Estudios
del Medio Ambiente y
del Espacio del INIA
Borja de Borja

Mónica Cárter
Investigadora de la UBA
Núcleo de Estudios
del Medio Ambiente y
del Espacio del INIA
Borja de Borja

MIRIAM
Nora Miquel
Investigadora de la UBA
Núcleo de Estudios
del Medio Ambiente y
del Espacio del INIA
Borja de Borja

MIÉRCOLES 2 DE JUNIO - 9:30 HRS
TRANSMISIÓN VÍA FACEBOOK LIVE

ORGANIZA:

SEMINARIO COYUNTURAS LATINOAMERICANAS Y CARIBEÑAS: CONTEXTOS GEOPOLÍTICOS Y REALIDADES EMERGENTES

LUTA PELA VIDA E PELA DIGNIDADE: UM OLHAR DESDE OS TERRITÓRIOS DE RESISTÊNCIA

Luiz Zartol
Militante do MST Brasil, membro da coordenação Nacional do MST e doutor em geografia

Marta de Freitas
Coordenadora de Fórum, Política e Planos de Trabalho e Trabalho de Pesquisa e Trabalho de Pesquisa (MST)

Márcio Silveira
PROFESSOR, Universidade Federal de Mato Grosso

MEDIAÇÃO:
Fátima Wiegand
Universidade de São Paulo - USP

Transmissão: Facebook Live Fanpage GT Pensamento Geográfico Crítico Latinoamericano

VIERNES 12 DE NOVIEMBRE DE 2021

HORA UTC-3 18:00 HRS UTC-4 18:00 HRS UTC-5 17:00 HRS UTC-6 16:00 HRS

ORGANIZAN:

SEMINARIO COYUNTURAS LATINOAMERICANAS Y CARIBEÑAS: CONTEXTOS GEOPOLÍTICOS Y REALIDADES EMERGENTES

DE LA GEOGRAFÍA DEL CONFLICTO A LAS GEO-GRAFÍAS DE LA ESPERANZA EN LATINOAMÉRICA Y EL CARIBE

PONENTE: Carlos Walter Porto Gonçalves

MODERADORA: María de Estrada

VIERNES 17 DE SETIEMBRE DE 2021

HORA UTC-3 17:30 HRS UTC-4 18:30 HRS UTC-5 18:30 HRS

ORGANIZAN:

SEMINARIO COYUNTURAS LATINOAMERICANAS Y CARIBEÑAS: CONTEXTOS GEOPOLÍTICOS Y REALIDADES EMERGENTES

LAS EMERGENCIAS ECOLÓGICAS Y GEOPOLÍTICAS DEL GRAN CARIBE

Carlos Severino Valdes
Puerto Rico

Prudny Morales Ruffina
Cuba

Nidia León Rodríguez
Colombia

MODERADOR: José Rocera Ruiz
Venezuela

VIERNES 24 DE SETIEMBRE DE 2021

HORA UTC-3 17:30 HRS UTC-4 18:30 HRS UTC-5 18:30 HRS

ORGANIZAN:

SEMINARIO COYUNTURAS LATINOAMERICANAS Y CARIBEÑAS: CONTEXTOS GEOPOLÍTICOS Y REALIDADES EMERGENTES

TENSIONES EN BOLIVIA: ÉLITES, IDENTIDAD, POLÍTICA Y MEDIO AMBIENTE

Sue Yamamoto
Universidade Federal da Bahia

Tatiana Vargas
Geógrafo LARGEPOR

Huascar Morales
Geógrafo

Enér Chávez M.
Sociólogo

MODERADOR: Gabriel Zeballos
Universidad Estatal de Ohio

VIERNES 01 DE OCTUBRE DE 2021

HORA UTC-3 17:30 HRS UTC-4 18:30 HRS UTC-5 18:30 HRS

ORGANIZAN:

SEMINARIO COYUNTURAS LATINOAMERICANAS Y CARIBEÑAS: CONTEXTOS GEOPOLÍTICOS Y REALIDADES EMERGENTES

GEOGRAFÍAS DE LA CRISIS EN VENEZUELA: TERRITORIO, AMBIENTE Y GEOPOLÍTICA

Delfina Trinea Figuera
Dra. en Ciencias Geográficas, Universidad de Los Andes - Venezuela

Antonio De Liso
Dr. en Ciencias Ambientales, Universidad Central de Venezuela

Jorge Ferrero Coronel
Mag. Enseñanza de la Geografía, GT Pensamiento Geográfico Crítico Latinoamericano

MODERADORA: Gabriela Ramírez
Geógrafa

Transmisión: Facebook Live Fanpage GT Pensamiento Geográfico Crítico Latinoamericano

VIERNES 22 DE OCTUBRE DE 2021

HORA UTC-3 17:00 HRS UTC-4 18:00 HRS UTC-5 18:00 HRS

ORGANIZAN:

GLOBALIZATION AND REGIONAL AND LOCAL RESPONSE (C 20. 32) ANNUAL REPORT 2021

A Membership

A 1 Steering committee 2020-2024

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Commission Secretary

Prof. Emeritus Walter Leimgruber

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A 2 Members

There are 1 Norway 3
currently 308
persons from 56
countries on our
member list, about
100 females. Chile

China, PR 5 Poland 12

China Taipei 4 Portugal 10

Costa Rica 1 Qatar 1

Côte d'Ivoire 1 Romania 15

Croatia	15	Saudi Arabia	1
Czech Republic	7	Slovakia	1
Denmark	1	Slovenia	9
Ethiopia	2	South Africa	5
Finland	7	South Korea	1
France	8	Spain	22
Germany	7	Sweden	14
Hong Kong	1	Switzerland	12
Hungary	2	Tunisia	1
Iceland	1	Turkey	10
India	15	UK	11
Indonesia	1	USA	16
Iran	1	Vietnam	1
Israel	6		
Italy	8	TOTAL	308

B Meetings

i) Commission conference 9-10 August 2021, Cluj-Napoca, Romania (virtual)

The annual conference of the Commission, *Bridging Regional Responses to Marginalization and Dis-parities in a Globalized World*, was organized by the Centre for Regional Geography, Faculty of Geography of “Babeş-Bolyai” University of Cluj-Napoca, Romania. Initially scheduled for 9-14 August 2020 in Cluj-Napoca, it had been postponed due to the COVID-19 pandemic and was eventually held on 9 and 10 August 2021 in a virtual format, online, using an enhanced version of the Zoom platform, thanks to funding by the IGU.

22 papers by 48 authors and co-authors were presented, and there were several other attendees to the meeting. While this format allows to present ideas and research results, it is impersonal and doesnot facilitate discussion. It is to be hoped that in future we shall be able to meet in person again.

The programme included an opening panel and five paper sessions, and the following papers were delivered:

Panel: The global impact of COVID-19 pandemic and local responses

Etienne Nel

Exacerbating marginalization: COVID-19's impact on peripheral, tourism- dependent regions in New Zealand and local responses

Dolores Sánchez-Aguilera, Ángela Martínez-Rivas, Jaime Martínez-Ruiz

Pandemic as a driver of marginality in the heart of the city. New dynamics in the Ramblas in Barcelona (Spain)

Paulo Nossa, Anabela Mota-Pinto, Julio Masquete, Alice Freia, Fernanda Cravidão A geographical reading of the diffusion of covid19 from hyper-connectivity territories and the way they impact marginal regions: the case of Lichinga, Northern Mozambique

Paper session 1: Opportunities and challenges in rural area

Toivo Muilu, Olli Voutilainen

Rural proofing as a method and practice – experiences from Finland

Chhabi Lal Chidi

Population dynamics and agricultural land abandonment in the mountains and the hills of Nepal

Lelia Papp, Ana-Maria Pop

Turning constraints into opportunities: farming activities and labelling agricultural and food products in the Romanian mountain area

Paper session 2: Gendered and cultural inequalities and vulnerabilities

Marinela Istrate, Andreea Fedor, Corneliu Iaşu

European citizens' perception of women's involvement in political life. Evidence for Romania and other central and eastern European countries

Elena-Manuela Bîrsănuş

Gendered vulnerability to energy poverty in Romania

Hugo Capellà Miterique

Solitude: a lost voice in the desert

Paper session 3: Economic and social inequalities and disparities in the globalized world

Ibolya Török, József Benedek

Measuring the spatial dimension of income inequality: evidence from Romania *Steve Déry, Claudia Currado, Marcel Lefebvre, Weldy Saint-Fleur, Arnaud Vigouroux* Reduire les inegalites pour sauver la planete :par quel bout commencer ?

Ştefana Rotaru

Three Seas Initiative – between geography, economy and politics. The strategic importance of the U.S.’ engagement

Paper session 4: Land use management and change in marginal areas

Mohd Salleh Daim, Jamalunlaili Abdullah

Protected area as a source of livelihood: analysis on the perspectives of the local stakeholders to Taman Negara National Park (TNNP), Pahang, Malaysia

Andreea Costea, Ştefan Bilaşco

Evaluation of the risk induced by erosion on the land use. Case study: Guruslău depression

Uttam Sagar Shrestha

Population growth and land use change in the Tamakoshi river basin of central mountain region, Nepal

Paper session 5: Ways out of marginality. Accessibility, mobility and urban development

Walter Leimgruber “I knew early on I wanted to be a plumber. And it worked out.” Education as a way out of marginality

Raularian Rusu, Titus-Cristian Man, Ciprian-Sandu Moldovan, Bogdan-Eugen Dolean

Accessibility and marginality of settlements in Cluj county (Romania)

Ciprian-Sandu Moldovan, Raularian Rusu, Titus-Cristian Man, Elena-Manuela Bîrsănuş, Iulia Hărănguş, Bogdan-Eugen Dolean

Towards smart transportation. Mobility and urban

development in Cluj metropolitan area

Cosmina-Daniela Ursu

The evolution of impervious surfaces based on Copernicus high resolution layers. Case study: growth poles and their metropolitan areas, Romania

The conference ended with a business meeting on Tuesday afternoon, which included both a record of past achievements and an outlook on our future activities. The next annual conferences are proposed to take place in Reims (France) in 2022, in Malaysia in 2023, and in Cluj-Napoca (Romania) in 2024. As to publications, the excellent collaboration with Springer was emphasized. A book about COVID-19 issues is being prepared, and also the papers presented at this virtual conference will be arranged in the near future. Further virtual commission meetings are possible, and it was proposed that future annual conferences might be organized in a hybrid way, allowing for the on line participation of members who cannot attend in person. The final remarks included congratulations to the organizers of this virtual conference, which ended happily with no technical problems, and was a novelty for many of the participants.

ii) 34th International Geographical Congress, Istanbul (virtual)

Because of the COVID-19 pandemic and the travel restrictions, the ICG was held online via Zoom. Our Commission participated in the special COVID-19 session with four papers. All presentations had been pre-recorded by the authors but the live transmission functioned perfectly. The session was chaired by Prof. Armando Montanari (Italy)

The following papers were delivered under the motto ‘Bridging in a Covidian world (of still) increasing inequalities / *Construire des ponts dans un monde covidien aux inégalités (toujours) croissants*’

Borna Fuerst-Bjelis, Ivan Sulc

COVID -19 pandemic implications on tourism preferences: potentially new challenges for marginal areas

José Manuel Crespo-Guerrero, Araceli Jiménez-Pelcastre

Réponses communautaires des pêcheurs côtiers pendant la pandémie de COVID-19 dans L'État de Yucatán (Mexique)

Walter Leimgruber

COVID-19 lockdown and education: the risk of increasing marginalization. Reflections on distance- schooling in Switzerland

Antoine Beaulieu

Peasant adaptations to global market integration in southern Việt Nam

C Networking

1. Collaboration with other IGU Commissions and Task Forces

We had no formal collaboration with other Commissions or Task Forces of the IGU in 2021.

2. Other collaboration

Due to the pandemic, there was no formal collaboration with other organizations, with the International Social Science Council or the International Council for Science in 2021.

D Publications

1. Newsletters, special journal issues, and books published in 2018

We issue two Newsletters annually, one in June/July, the second in December. Since 2017, they feature an editorial written by the chair.

In addition, seven short NewsFlashes were sent to our members in 2019. They are a means to maintain contact and inform members of specific events or new publications.

2. Books and other publications

Preparations for two new volumes in our Springer series Perspectives on geographical marginality have been advancing. The book with papers from the Nepal conference was almost complete but delayed for medical reasons. It will be ready for 2022. A book on the COVID-19 issue is being prepared and should also be published in 2022.

Further volumes are in preparation.

3. The current accurate URL of the commission's web site

Our new website address is: <https://sites.google.com/site/stankopelc/>

It has been set up and is maintained by our member and former chair Stanko Pelc (University of Primorska, Koper, Slovenia)

The Commission has also a page on Facebook, maintained by Prof. Daichi Kohmoto: <https://www.facebook.com/GeographicalMarginality>

Zagreb/Fribourg, 09.01.2022

MODELING GEOGRAPHICAL SYSTEMS COMMISSION (MGSC) ANNUAL REPORT 2021

A. Membership

The steering committee of Modeling Geographical Systems Commission (MGSC) consists of chair, secretary, 10 steering committee members, and 10 honorary advisory members, as shown in Figure 1. All members of MGSC steering committee are listed as follow:

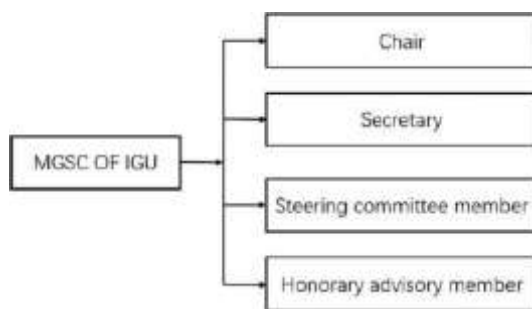


Figure 1. Structure of MGSC steering committee

Chair

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Secretary

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Prof. R.B. SINGH

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Prof. Jinfeng Wang

Institute of Geographic Sciences and Natural
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[http://sourcedb.itpcas.cas.cn/cn/expert/201806/
t20180619_5027698.html](http://sourcedb.itpcas.cas.cn/cn/expert/201806/t20180619_5027698.html)

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Steering Committee Members (Alphabetically
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University College London, UK

Links: [https://www.ucl.ac.uk/work-at-ucl/our-
community/meet-our-community/](https://www.ucl.ac.uk/work-at-ucl/our-community/meet-our-community/)

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content/uploads/2018/11/geography/gis/en/
R_Vatseva.html](http://www.niggg.bas.bg/wp-content/uploads/2018/11/geography/gis/en/R_Vatseva.html) Email: rvatseva@gmail.com

Additionally, MGSC already has 89 members
since May 2021 since our commission started
calling for new members formally. The counts of
members by country are listed as Table 1.

Table 1. Counts of members by country

Country	Counts
China	64
India	4
USA	3
Austria	3
Australia	2
UK	2
Brazil	1
Bulgaria	1
Canada	1
France	1
Germany	1
Czech	1
Portugal	1
South Korea	1
Spain	1
Sri Lanka	1
Uganda	1

B. Meetings

B.1. Organized meetings

In 2021, MGSC has organized two board meetings and co-organized four conferences (and training courses):

1. The first board meeting of MGSC (Online, Jan 27 2021, 14 attendees)



In this meeting, Prof. Min Check kicked off the meeting by introducing himself, followed by the self-introductions of board members. Then, several topics are discussed, including the website of MGSC, four awards, the membership of MGSC, regular meeting organization and the future plans. As shown in Figure 2.

Figure 2. The first board meeting of MGSC

2. The second board meeting of MGSC (Online, Sep 20th 2021, 11 attendees)

In the meeting, Prof. Min Chen firstly reported the progress in member registration, followed by reviewing the events and news that happened this year. At last, all participants discussed the future activities of MGSC. The topics contained calling for memberships, collecting and spreading the news, organizing conferences (workshops and webinars), and related awards. As shown in Figure 3.



Figure 3. The second board meeting of MGSC

3. The 2nd national forum on geographic modeling and simulation (and the launch ceremony of the training course on Chinese geographical analysis models) (Nanjing China, January 16-17, 2021, more than 22,000 online audiences.)

Concentrating on the development of domestic geographical analysis models and modeling platforms, this forum calls on Chinese geographical modelers to work together to develop domestic geographical analysis models and to build an ecological circle of autonomous model systems for the target of constructing Chinese autonomous geographical simulators and promoting the international researches in the fields of geographic modeling and simulation. 21 professors were invited and gave presentations to share their work and achievements in the related domains of geographic modeling and simulation. In addition, the launching ceremony of the training course on Chinese geographical analysis models was performed in this forum. As shown in Figure 4.



Figure 4. The 2nd national forum on geographic modeling and simulation

4. The first training course on Chinese geographical analysis models (Online, August 9-16, 2021, 1285 students from over 10 countries)

This training session focused on four hydrological models: Distributed Time Variant Gain Model (DTVGM), Uncertainty Quantification Python Laboratory (UQ-PyL), Geomorphology- Based Hydrological Model (GBHM), and Spatially Explicit Integrated Modeling System (SEIMS). As shown in Figure 5. The success of this training session can promote the construction of the Chinese geographic model ecosystem and the open and sustainable geographic model community. It can also facilitate the model reusing, knowledge

sharing, and collaborative geographic research.



Figure 5. The first training course on Chinese geographical analysis models

5. IGU 19th International Conference on Spatial Data Handling and Geographic Intelligence (Online, August 13-14, 2021)

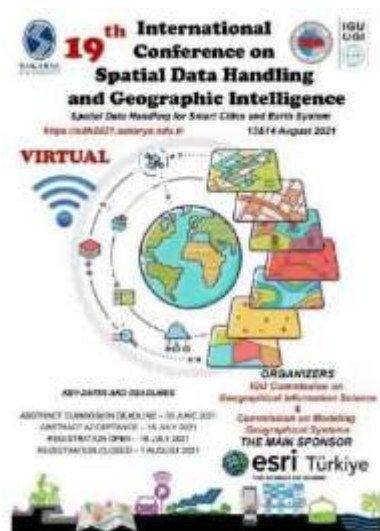


Figure 6. IGU International Workshop on Geography and Sustainability 2021

B.2. Forthcoming meetings

6. The 2nd International Geography and Sustainability Workshop (Online, November 23-24, 2021, 500 participants from 40 countries)

IGU International Workshop on Geography and Sustainability 2021 aims to promote comprehensive and integrated research on geography.

Concentrating on the theme of "Geography of the Anthropocene: Transforming our world for sustainable development", the workshop set up three keynote speech sessions and 10 parallel sessions which received 101 abstracts for presentations. 83 experts and scholars gave presentations relevant to "land degradation", "disaster risk", "water resources", "agricultural geography" and "geographic modeling" "land use", "urbanization", "heritage Park", "geographical education", "Scientific session on geography and sustainability for young and early-career researchers" and other themes. Finally, 24 winners of the best speaker award were selected.

At the closing ceremony, Prof. Michael Meadows, the President of IGU, gave a conclusion about this workshop. He highly praised this workshop and issued an invitation to the centennial congress of the IGU. As shown in Figure 6.

In 2022, we plan to organize a virtual session—Geographic information modelling and simulation

in the era of big data—in the centennial congress of the IGU that will be held in Paris from June 18 to 22, 2022. As shown in Figure 7.



Figure 7. Call for abstracts of this session (<http://www.igu-geomodeling.com/>)

C. Networking

In 2021, MGSC has collaborated with several IGU Commissions and other international organizations in conference and training course organization. They are listed as follow:

IGU Commissions

IGU Commission on Geographical Information Science

IGU Commission on Agricultural Geography and Land Engineering

IGU Commission on Geography for Future Earth: Coupled Human Earth Systems for Sustainability
IGU Commission on Geoheritage

IGU Commission on Hazard and Risk

IGU Commission on Land Degradation and Desertification

IGU Commission on Land Use and Land Cover Change

IGU Commission on Water Sustainability

IGU Modeling Geographical Systems Commission
IGU Young & Early Career Geographers Taskforce

IGU Young and Early Career Geographers Working Group on Geography and Sustainability

Other international organizations

Asian Geographical Association (AGA) Young Geographer Working Group (YGWG)
International Environmental Modelling and Software Society (iEMSs)

International Cartographic Association (ICA) Commission on Geospatial Analysis and Modeling

D. Publications

There is no paper published this year.

The website of the commission is <http://www.igu-geomodeling.com/>. News about the commission is published on the website and sent to our members via Google Group.

E. Archival Contributions

During the period in question, no archival contributions have been made. We hope we can post events on the IGU website in the future.

COMMISSION ON POLITICAL GEOGRAPHY, ANNUAL REPORT 2021

A. Membership

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Takashi YAMAZAKI (Former Chair) Osaka City University, Japan

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Vladimir KOLOSOV (Former Chair and Former

President of the IGU) Russian Academy of Science, Moscow, Russia

Paul REUBER

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Simon DALBY

Balsillie School of International Affairs/ Wilfrid Laurier University, Canada

James SIDAWAY

National University of Singapore , Singapore

David NEWMAN

Ben Gurion University of the Negev, Israel

Fiona McCONNELL

University of Cambridge, United Kingdom

Xavier FERRER-GALLARDO

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Edward BOYLE

International Research Center for Japanese Studies, Kyoto, Japan

Sang-Hyun CHI

Kyung Hee University, Seoul, Korea

Sara KOOPMAN

Ohio State University, Ohio, USA
Corresponding members, by country (December 2018)

In **December 2021**

there were **189** subscribers to the **mailing list** and **346** to the **Facebook page**

of the Commission on Political Geography There were 187 and 346 in 2020

171 and 345 in 2019,

179 and 345 in 2018 and

165 and 341 in 2017.

No significant change to the geography of membership compared to the previous years.

In 2018 and 2017 we had scrutinized in details the origin of the members of the mailing list, and in 2017 of both lists (and the overlap between them) , see list below:

	2018	2017	2017	201
	List	List	FB	7

				Total
Italy	43	39	55	94
USA	23	24	29	53
France	12	10	10	20
Poland	10	10	24	34
India	7	6	38	44
United Kingdom	7	10	34	44
Spain	7	6	6	12
Switzerland	6	6	5	11
Japan	6	5	5	10
The Netherlands	5	3	5	8
Finland	5	6	13	19
Germany	5	4	8	12
Israel	4	4	5	9
Canada	3	3	12	15
Hungary	3	2	4	6
Russia	2	3	2	5
Sweden	2	2	3	5
Turkey	2	1	4	5
Austria	2	2		2
New Zealand	2	2		2
Iran	2		1	1
Australia	1	2	4	6
Brazil	1	1	5	6
China	1	1	3	4
South Africa	1	1	3	4
Egypt	1		3	3
Romania	1	1	2	3
Slovakia	1	1	2	3
Singapore	1	1	1	2
Slovenia	1	1	1	2
South Korea	1	1	1	2
Uruguay	1	1	1	2
Croatia	1	1		1
Lebanon	1	1		1
Luxembourg	1	1		1
Mexico	1	1		1
Yemen	1	1		1
Pakistan			6	6
Nigeria			4	4
Argentina	3			3
Czech Republic	3			3
Nepal	3			3
Norway	3			3

Bangladesh	2			2
Belgium	2			2
Bosnia	2			2
Chile	2			2
Denmark	2			2
Greece	2			2
Algeria	1			1
Cambodia	1			1
Ecuador	1			1
Estonia	1			1
Georgia	1			1
Iraq	1			1
Jordanian	1			1
Lithuania	1			1
Malaysia	1			1
Marshall Islands			1	1
Portugal			1	1
Qatar			1	1
Syria			1	1
Taiwan			1	1
Tunisia			1	1
Uganda			1	1
Vietnam			1	1
Zimbabwe			1	1
345	179	165	341	505
FB2018	List20	List20	FB201	Total201
	18	17	7	7

NB : There is some overlap between the two groups since some individual members registered to both the mailing list and the facebook page. Facebook subscriptions not specified in 2018. Top 5 countries were Italy, India, the United Kingdom, the United States and Poland.

B. Meetings

- a. Meetings organised, co-organised and sponsored by the commission

Most large conferences scheduled in 2020 were postponed to 2021 including two main IGU conferences. The Commission sponsored sessions at both conferences

IGU Conference on Heritage Geographies: Politics, Uses and Governance of the Past Lecce

(Italy) May 29-31 2020, postponed to 27-29 May 2021 (virtual conference) <https://conference.unisalento.it/ocs/index.php/heritagegeographies/heritagegeographies>

The thematic conference on heritage geographies was co-sponsored by several IGU commissions including the Commission on Political Geography.

34th International Geographical Congress (IGC)

Istanbul (Turkey) August 2020, postponed to 16-20 August 2021 (virtual conference)

The 34th IGC was due August 2020 but was postponed due to the pandemic and eventually it was held as a virtual conference in August 2021. The main theme of the Congress was **Geography: Bridging the continents.**

More information at <https://www.igc2020.org/en/>

- b. A brief summary of the topics addressed at each meeting

IGU Conference on Heritage Geographies: Politics, Uses and Governance of the Past Lecce (Italy) May 29-31 2020, postponed to 27-29 May 2021 (virtual conference)

Two sessions were organized by the Commission on Political Geography

Language (as) Heritage (in) Place: Political geographies of linguistic heritage geographies (Chair: Virginie Mamadouh)

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- *La lexicotopographie, nouvel outil d'analyse et de restitution des patrimoines linguistiques minoritaires*

Bernardo Cardinale, University of Teramo (Italy) , **Giovanni Agresti**, Université Bordeaux Montaigne (France)

- *The politics of displaying minority place names: what is behind the local deals?*

Patrik Tatray, Research Centre for Astronomy and Earth Sciences (Hungary)

- *Heritage languages, place-making and belonging: Three geographical excursions*

Virginie Mamadouh, University of Amsterdam (Netherlands)

Heritage and nationalism (chair: Alec Murphy)

- *Dances with Despots: exploring the current representation of monumental statues and visitor engagement with these 'ghosts' of past regimes within Eastern Europe*

Elizabeth Carnegie, Northumbria University (UK), **Jerzy Kociatkiewicz**, University of Sheffield (UK)

- *Catalan nationalism and heritage. The construction of the born as an independence icon (Barcelona, Spain)*

Dolores Sanchez Aguilera, Jaume Font Garolera, University of Barcelona (Spain)

- *The current wrong narrative of Kurds wanting a single state-nation: a media distraction iconography from the socio-political practice and proposal in Rojava?*

Fabrizio Eva, University "Cà Foscari" in Venice (Italy)

- *National Branding and controversies: the case of internationalisation of Louvre*

Marie-Alix Molinié-Andlauer, Sorbonne University (France)

- *Japan Heritage Branding and Political Soft Power: A Vision for Nationalism?*

Lesley Crowe-Delaney, Curtin University (Australia)

- *Renaming the Landscape: Nationalism, Ultra-Nationalism and State Formation in Israel- Palestine*

David Newman, Ben-Gurion University (Israel)

34th International Geographical Congress (IGC)

Istanbul (Turkey) August 2020, postponed to 16-20 August 2021 (virtual conference) The main theme

The Commission on Political Geography (IGU-CPG) sponsored 12 panel sessions featuring about forty papers:

- The papers submitted to the Joint Session **Bridging Differences: East, West, Seas and Mediterranean Worlds**,

convened/chaired by Marcella Schmidt di Friedberg, Lynda Johnston and Virginie Mamadouh and co-sponsored by the Commission on the History of Geography, the Commission on Gender and Geography and the Commission on Political Geography time slots thru on Monday and Tuesday August

- the papers submitted to other sessions sponsored by the Commission on Political Geography
 - **Resources, Space and Power: How do resources produce territories** (convened/chaired by Sophie Hou and Audrey Sérandour); time slots 7 and 8 on Tuesday 17 and Wednesday 18 August
 - **Geopolitics of the Datasphere part 1: the politics of data** (convened/ chaired by Amaël Cattaruzza and Frederick Douzet); time slot 9 on Wednesday 18 August
 - **Geopolitics of the Datasphere part 2: Mapping the routes of the internet : data, topologies, power** (convened/chaired by Kevin Limonier and Alix Desforges); time slot 10 on Wednesday 18 August
 - **Rethinking the migration-security nexus: Actors, practices, knowledges** (convened/chaired by Anna Casaglia and Jussi Laine); time slots 11 and 12 on Thursday 19 August Future events (more detailed information about future events can be found on the IGU CPG website)

(Extraordinary) International Geographical Congress *Le temps des géographes / Time for Geographers*

Paris, France, 18-22 July 2022

A dozen of Call for Papers are sponsored the IGU Commission on Political Geography 92 jointly with the Commission on the History of Geography). Theme *Le Temps des géographe /*

For details see <https://virginiemamadouh.socsci.uva.nl/IGU2022Paris.html>

Preconference on Political geography organized ny the Commission Géographie politique et géopolitique (CGPG, the Commission on Political

Geography and Geopolitics) of the Comité National Français de Géographie (CNFG, the French National Committee of Geography) in Paris (15-17 July 2022) and sponsored by the Commission. Paris (15-17 July 2022). The theme is *Espace Temps Politique / Space Time Politics*.

For details see <https://virginiemamadouh.socsci.uva.nl/IGU2022Paris.html>

Video project sponsored by the Commission on Political Geography of the International Geographical Union (IGU). For the centennial of the IGU: a century of political geography. Corey Johnson and Jenny Berggren *UNC Greensboro, USA*.

Contribution to IGU edited volumes :

Murphy, AB & V. Mamadouh Chapter 4: Geography and Social Issues A Geographical Century: Essays for the Centenary of IGU edited by Vladimir Kolosov; Jacobo García-Álvarez; Michael Heffernan; Bruno Schelhaas (Springer)

Dorfman, A & V Mamadouh Chapter on political geography, in *Research issues and achievements of modern geography* edited by J. Bański (Springer)

Individual participations at the 2022 AAG Annual Conference in New York/virtual in February-March 2022 and the Preconference of the AAG Political Geography Specialty Group (virtual on 28 February 2022, the 2021 ABS Annual Conference in Denver, March 30-April 2, 2022, the

2022 RGS/IBG Annual Conference in Newcastle 30 August to Friday 2 September 2022.

C. Networking

a. Collaboration with other IGU Commissions and Task Forces: The Commission on Political Geography has worked with other IGU Commissions, in order to organise a group of joint sessions at the IGC, the IGU Regional Conferences and the IGU Thematic Conference, especially History, Gender.

b. Collaboration with other international, intergovernmental, and inter- and multi-disciplinary groups The Commission on Political Geography has been actively collaborating with other international research groups, such as Commission de géographie politique et de

géopolitique du CNFG (France), BRIT (Border Regions in Transition), ABS (Association of Borderlands Studies), Società Geografica Italiana, EuGeo, Association of American Geography Political Geography Study Group, Political Geography research group of the Royal Geographical Society, Research Committee 15 (Political and Cultural Geography) of IPSA (International Political Science Association) and others, in order to co-organise and co-sponsor conference and seminars.

c. Cooperative efforts with ISSC (International Social Science Council) and with ICSU (the International Council for Science) programs.

D. Publications

a. Newsletters, special journal issues, and books published in 2021 (please provide complete citations for all publications).

Newsletters are available on the website of the Commission on Political Geography including the newsletter edited in 2021 (nr. 27) and at <https://virginiemamadouh.socsci.uva.nl/IGU-CPG-Newsletters.html>

b. The current accurate URL of the commission's web site

The Commission has a new website

<https://politicalgeographycommission.wordpress.com/>

The new webmaster is: Lesley Crowe-Delaney (member of the Steering Committee) Email lesley.crowe-delaney@curtin.edu.au

The Commission has got also a mailing list;

in order to Subscribe to the CPG new mailing list, please send an empty email to IGU-CPG-join@list.uva.nl or an email to the administrator v.d.mamadouh@uva.nl

The Commission has got a Facebook group.

IGU CPG Commission on Political Geography <https://www.facebook.com/groups/456054597763023/>

To **become a member**, please join Facebook and send a request to the group administrator. elena.dellagnese@unimib.it

E. Archival Contributions

Commission on population geography
Commission de géographie de la population

Comisión de geografía de la población

Комиссия по географии населения

COMMISSION ON POPULATION GEOGRAPHY ANNUAL REPORT 2021

MEMBERSHIP

1A. Commission on Population Geography Steering Committee Members, 2021-22

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Development

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geoysa@nus.edu.sg

Steering Committee Members, 2021-22

Country	Numbers	%
UK	43	11.0
USA	31	7.9
India	28	7.2
Russia	26	6.6
China	25	6.4
Poland	22	5.6
Germany	17	4.3
Canada	15	3.8
Australia	14	3.6
Japan	13	3.3
France	11	2.8
Spain	11	2.8
Sweden	9	2.3
Romania	8	2.0
Switzerland	8	2.0
Czech Republic	7	1.8
Brazil	6	1.5
New Zealand	6	1.5
South Africa	6	1.5
Hong Kong	5	1.3
Portugal	5	1.3
Austria	4	1.0
Cameroon	4	1.0

Charles-Edwards Elin (Australia) has replaced Martin Bell, following his retirement, on the committee. Charlotta Hedberg is the new Vice-chair and anew Secretary will be confirmed before Paris meeting. The new steering committee shall be confirmed at the Business meeting of the Commission in Paris.

1B. Commission members as of 31 December 2021

The commission counted 390 corresponding members as of 15.12.2018 and 391as of 31.12.2021. The geographical profile remained similar with the UK, US, India, Russia and China as top origin countries (see table).

Country	Numbers	%
Serbia	3	0.8
Slovakia	3	0.8
Unknown	2	0.5
Fiji	2	0.5
Greece	2	0.5
Iran	2	0.5
Mexico	2	0.5
Netherlands	2	0.5
Senegal	2	0.5
Singapore	2	0.5
Taiwan	2	0.5
Belarus	1	0.3
Belgium	1	0.3
Bulgaria	1	0.3
Burkina Faso	1	0.3
Estonia	1	0.3
Finland	1	0.3
Indonesia	1	0.3
Ireland	1	0.3
Korea	1	0.3
Latvia	1	0.3
Lithuania	1	0.3
Mongolia	1	0.3

Egypt	4	1.0	Morocco	1	0.3
Italy	4	1.0	Slovenia	1	0.3
Thailand	4	1.0	South Korea	1	0.3
Côte d'Ivoire	3	0.8	Tunisia	1	0.3
Ghana	3	0.8	Turkey	1	0.3
Hungary	3	0.8	UAE	1	0.3
Israel	3	0.8	Ukraine	1	0.3
Total			391	100.0	

1C Commission's URL

The Commission had a specific website <http://www.igu-popgeo.org/>. A decision shall be made in 2022 whether the specific website shall be maintained or if enough information are to be found within IGU website.

2. Meetings

2A. Meetings organized (or sponsored) in 2021

The Commission sponsored the printing of accepted papers for the "Second international conference on Population, environment and climate change" that was held in Senegal on 30th November.

3C Meetings and other events planned by the Commission, 2022

The commission is involved in the IGU Centennial Congress, in Paris, 18-22 July 2022. There are 9 fascinating population geography sessions organized on:

- Climate change perceptions and mobility intentions
- Beyond relational space? The role of migration processes in the production of space and place
- Cross-Frontier Flows in Maritime and Land Border Areas: New Perspectives (co-sponsored with Globility Commission)
- Population mobilities in Africa
- The impact of the COVID-19 pandemic on internal and international migration
- Changing migration systems: new patterns,

new processes and new analytical approaches

- A post-pandemic Population Geography: a 'time' for reflection and renewal?
- Demographic trends in post-socialist Eastern Europe
- Migration and the family

3. Networking

3A Links with other IGU Commissions and Taskforces

The commission pursue fruitful contacts with the Globility Commission.

3B Collaboration with other International and Interdisciplinary Groupings, 2020

The existing collaborations (e.g. with the International Population Geographies Conference series, Population Geography Research Group of the RGS-IBG) will be maintained.

3C Collaboration with ICSU

No direct collaboration

4. Publications

4A. Newsletters, Special journal issues and Books

Newsletter

The IGU Newsletter was forwarded to all members of the commission.

Selected Books

The commission see his task as mainly a conference organizer where researchers can meet and discuss results before publication in scientific journals. The commission is not directly involved

in publication activities.

Journals

Members of the steering committee are all very active in advisory boards of the best journals in population geography where they also publish

regularly.

5 Archival Contributions

Publications are sent to IGU secretary general upon publication.

COMMISSION ON RESEARCH METHODS IN GEOGRAPHY (C20.38) ANNUAL REPORT 2021

A. Membership

The Commission on “Research Methods in Geography” includes two joint chairs and eight Steering Committee members, three from Human Geography and five from Physical Geography. Given the relevance of its mission and the heterogeneity of its contents, the Commission aims at recruiting two new Steering Committee members in 2022 prior approval by the Executive Committee.

A.1. Steering Committee

Dan Malkinson (Co-Chair)

Department of Geography and Environmental Studies University of Haifa, Mt. Carmel, Haifa 3498838, Israel dmalk@geo.haifa.ac.il

Chiara Giubilaro (Co-chair)

Department of Architecture

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Meghan Cope

Department of Geography

University of Vermont, Old Mill 94 University Pl, Burlington, VT 05405, USA

A.2. Corresponding members

During 2021 we began recruiting corresponding members to the commission. A total of

170 members from 33 countries joined the commission. Twenty-three countries are represented by a single member, and India (26 members) followed by Italy and the United Kingdom (20 members) are the countries with the largest number of registered members.

1.	Albania	1

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Iain Hay

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Karanja Faith Njoki

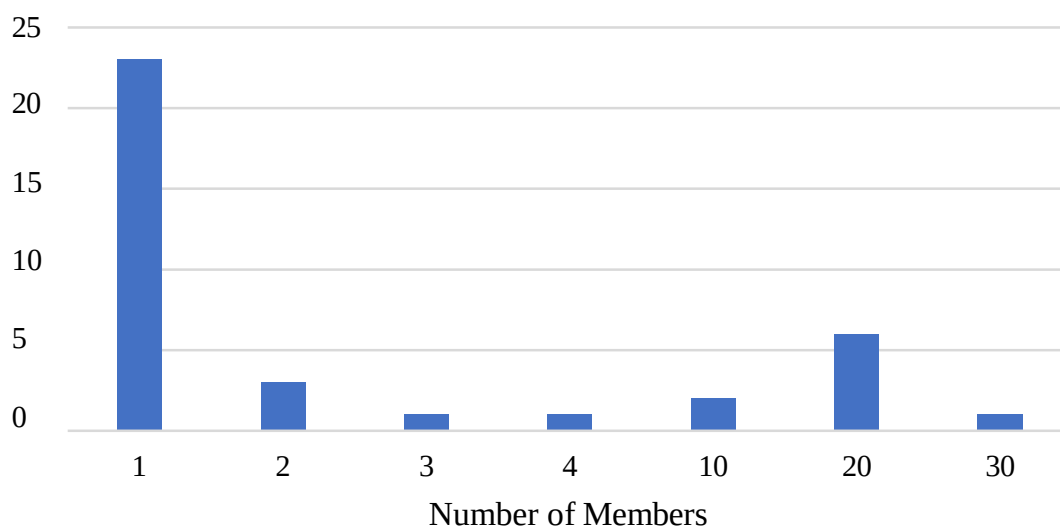
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School of Ecological and Environmental Sciences East China Normal University, China
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2.	Australia	13
3.	Bangladesh	1
4.	Belgium	1
5.	Bolivia	1
6.	Brazil	11
7.	Canada	9
8.	Chile	1
9.	Czech Republic	1
10.	Denmark	1
11.	Ecuador	1

12.	Finland	1	24.	Samoa	1
13.	Gambia	1	25.	Slovenia	1
14.	Germany	3	26.	South Africa	14
15.	Ghana	2	27.	Spain	1
16.	India	26	28.	Sri Lanka	4
17.	Indonesia	1	29.	Sweden	1
18.	Ireland	1	30.	Switzerland	319
19.	Italia	20	31.	Turkey	2
20.	The Netherlands	2	32.	United Kingdom	20
21.	New Zealand	12	33.	United States	10
22.	Nigeria	1	Total		170
23.	Portugal	1	.		

Frequency of number of Members/country



Number of members by country – by alphabetical order.

Distribution of the number of members per country

B. Meetings and Activities

During 2021 the Commission convened once, holding an online meeting on 3 Feb. 2021. The next meeting was planned to be physically held during the IGU 2021 Istanbul meetings, but was canceled given the ongoing challenges presented by the COVID-19 pandemic.

1. Steering Committee Meetings

Online meeting – 3 Feb. 2021

The Committee discussed and approved a proposed session for the Istanbul IGU meetings. Due to the short time frame, the proposed session was not accepted to be held during the meetings. Consequently, it has been decided to hold the session during the IGU Paris 2022 meetings.

Website – the Committee discussed the structure of the commission's website (see below).

Commission workshops – the Commission has decided to pursue the organization of workshops, focusing on methodological aspects in various sub-disciplines of Geography.

2021 Conclusion meeting

Postponed to 28 January 2022. We will address the following topics: I) Organization of the keynote session at IGU-UGI Centennial Congress (Paris 2022), II) Budget and expenditure forecast, III) Recruitment of two new Steering Committee members, IV) Schedule of forthcoming Commission activities, V) Potential collaboration with Frontiers Publishing Group. 2022 Meetings

In 2022 the Commission plans to hold at least three online Steering Committee meetings to discuss I) the organization of two virtual workshops on both qualitative and quantitative research methodologies, II) the implementation of the existing network, III) the Commission newsletter.

2. Workshops and other activities

- Workshops

Within the framework of the Fire Effects on Soil Properties FESP 8 conference held in Guarapuava – Paraná – Brazil, 26-28 July 2021, the Commission in collaboration with the conference's organizing committee, facilitated the instruction of a Google Earth Engine (GEE) based workshop. The aim of the workshop was to expose the participants to freely available online platforms, which enable the users to perform image analysis of satellite imagery. In this case, the workshop focused on GEE to study wildfires.

- Website

The Commission's website has been fully developed and made accessible online at

<https://igumethods.org/>

Through the "Join us" form on the website 158 geographers joined the Commission as corresponding members.

- Collaboration with Publishing Groups (?)
- **Providing resources for advancing publications in peer reviewed journals** The commission has begun discussions with Frontiers Publishing Group to provide scientists from less-funded countries with various resources to encourage high-quality peer-reviewed publications. The potential collaboration includes webinars to be held jointly with the publishing group, aimed

at sharing information on the peer review process, and publishing practices which bring to high-quality publications. The commission intends to expand similar initiatives and collaborations with additional publishing groups.

C. Networking

The Commission recognizes that cooperation with other IGU Commissions and Task Forces is an essential condition to reflect on and share innovative methods and support the conduct of high-quality research. Accordingly, in 2022 the Commission intends to involve the Young and Early Career Geographers Task Force in the organization of an international virtual workshop on research methods in Geography.

The Commission's website is a fundamental tool in facilitating recruitment of members and networking with other commissions, associations, or institutions. The Steering Committee recognizes the importance of a strong online and social media presence and thanks to an IGU operating grant the Commission has created (I) a website based on CMS Wordpress for both desktop and mobile devices and (II) an original logo for the Commission. Social media will have a key role within the Commission communication strategy. A Facebook page and a Twitter account will be created in 2022.

As stated in section B2, the commission collaborated with the FESP international network. FESP is an informal academic organization, dedicated to the study of wildfires and their effects on various environmental properties, with a particular focus on soil. Within the framework of this collaboration the above mentioned workshop was held.

Publications

1. The current website of the Commission on Research Methods in Geography may be found at: <https://igumethods.org>. The website includes current details of all events and projects, publications and proposals as well as the list of the Steering Committee members.

2. In 2022 the Commission plans to publish regular newsletters and lodge them on the Commission website.

Iain Hay publications
 1. **Hay, I. & Allington, P.** 2021, *Making the Grade. A Guide to Successful Communication and Study*, **5th edition**, Oxford University Press, Melbourne.
 2. **Hay, I. & Cope, M. (eds.)** 2021, *Qualitative Research Methods in Human Geography*, **5th edition**, Oxford University Press, Toronto.
 3. Cope, M. and **Hay, I.** 2021, 'Where are we now? Qualitative Research in Human Geography' in Hay, I. & Cope, M. (eds) *Qualitative Research Methods in Human Geography*, 5th edn, Oxford University Press, Toronto, pp. 3-17.
 4. Dickens, L. & **Hay, I.** 2020, 'Geographers and ethics', *Oxford Bibliographies in Geography*, ed. Barney Warf, Oxford University Press, New York. (@10,000 words) DOI: 10.1093/OBO/9780199874002-0223
 5. **Hay, I. & Dickens, L.** 2020, 'Geography and ethics', *Oxford Bibliographies in Geography*, ed. Barney Warf, Oxford University Press, New York. (@10,000 words) DOI: 10.1093/OBO/9780199874002-0093
 6. **Hay, I.** 2020, 'Zoom and place: video conferencing and virtual geography', *South Australian Geographical Journal*, vol. 116, no. 1, pp. 7-11. <https://doi.org/10.21307/sagj-2020-003>
 7. **Hay, I.** 2020, 'Qualitative data' (updated) in *The International Encyclopedia of Geography: People, the Earth, Environment and Technology*, eds. D. Richardson, N. Castree, M.F. Goodchild, A.L. Kobayashi, W. Liu, & R.A. Marston, Wiley-Blackwell. DOI: 10.1002/9781118786352.wbieg0421.pub2
 8. **Hay, I.** 2020, 'On geoscientisation: a response to Cupples', *New Zealand Geographer*, <https://doi.org/10.1111/nzg.12247>
- D. Archival contributions**
- None.

COMMISSION ON THE SUSTAINABILITY OF RURAL SYSTEMS (IGU CSRS) REPORT 2021

A. Membership¹

A1. Structure of the Current Steering Committee 1

A2. Corresponding Members 2

B. Meetings 3

B1. 28th IGU CSRS Colloquium: Croatia (2021-2022) 3

B2. Participation in the IGU Conference in Istanbul (2020-2021) 4

B3. 29th IGU CSRS Colloquium: Nile Delta (Egypt) (2022). 4

B4. Participation in the IGU Conference in Paris (2022) 5

B5. Plan for IGU CSRS Colloquia 2023-2024

C. Networking 5

D. Publications and Dissemination 6

D1. Publications Derived from Previous Colloquia Appeared in 2021 or in Process of Edition.. 6

D2. Digital Networking 6

E. Archival Contributions 7

F. Accountability⁷

A. Membership

A1. Structure of the Current Steering Committee

Co-Chairpersons

Serge Schmitz Belgium s.schmitz@uliege.be

Valerià Paü Spain v.paul.carril@usc.gal

• Secretary

Fiona Haslam McKenzie Australia fiona.haslam-mckenzie@uwa.edu.au

• Members

○ Suk Kyeong Kang Turkey
ecoksk@gmail.com | skang@ohu.edu.tr

○ Hualou Long China longhl@ignsrr.ac.cn

○ Aleksandar Lukić Croatia
alukic@geog.pmf.hr

○ Lou Angeli Ocampo the Philippines
ocampo_louann@yahoo.com

○ Cornelia Steinhäuser Germany
cornelia.steinhäuser@uni-muenster.de
Marcin Wojcik

Poland wojcik.moskwa@gmail.com This structure is the consequence of two successive IGU CSRS Steering Committee (SC) meetings held virtually on 19 May and 11 September, 2020. In those meetings, five of the current members were appointed to join the IGU CSRS SC and one of the Co-Chairs and the Secretary were elected. Three issues are highlighted:

i. Some of the previous SC members had served for eight years and/or had been previous Co-Chairs and in line with the leadership guidelines were required to resign in 2020. A previous Co-Chair, Ana Firmino, unfortunately passed away in May 2020. In recognition of her passionate quest to recruit young PhD students, the SC decided to name the annual IGU CSRS scholarships for participation in colloquia targeting PhD students from UN classified developing countries, the “Ana Firmino Scholarships”.

ii. Previous Co-Chair Holly Barcus was elected as IGU Vice-President in mid-2020.

iii. For the approval of the IGU Commissions/Task Forces — and their respective Chairs and Steering Committees — by the IGU Virtual General Assembly held on 21 August, 2020, the IGU sent two suggestions for the IGU CSRS SC composition:

a. Invite members from South/Southeast Asia,

Africa and/or Latin America.

b. Observe the gender balance.

In 2021, the IGU CSRS SC met three times (10 March, 8 April and 14 July, 2021) to discuss the ongoing problems for the annual colloquia induced by the pandemic. It was repeatedly unclear whether to continue with the plans for the meetings, or to maintain *sine die* the colloquia as

virtual. There are pros and cons with every decision taken and the IGU CSRS SC is trying to balance health issues while maintaining opportunities for IGU CSRS members to participate in academic opportunities through different forums. The key decisions focused on celebrating the 28th IGU CSRS Colloquium virtually from Croatia in 2021 and the proposed 2022 meetings in Egypt, Croatia again and Paris, as detailed in this document.



10/3/2021 8/4/2021 14/7/2021

A2. Corresponding Members

The number of corresponding members of the IGU CSRS, as of 10 January, 2022, is 930 in total from 58 countries. This is calculated by means of the e-mailing list (see D2).

Country	Number	Country	Number	Country	Number	Country	Number
Afghanistan	2	Malaysia	1	Croatia	1	Singapore	1
Australia	28	Mexico	1	Czech Republic	7	Slovakia	1
Austria	4	Morocco	1	Egypt	2	Slovenia	3
Bangladesh	1	Netherlands	8	Ecuador	1	South Africa	7
Belgium	7	New Zealand	6	Finland	1	South Korea	24
Brazil	21	Nigeria	3	France	18	Spain	45
Burundi	1	Poland	4	Germany	28	Sri Lanka	1
Cameroon	2	Portugal	8	Greece	1	Sudan	1
Canada	56	Romania	9	Guinea	1	Sweden	5
Chile	2 324	Russia	3	Haiti	1	Syria	2
China	18	Saudi Arabia	1	Hong Kong	1	Taiwan	2
Colombia	1	Serbia	2	India	151	Thailand	4
				Iran	6	Turkey	3
				Ireland	17	UK	17
				Israel	4	USA	248
				Italy	10	Vietnam	5
				Ivory Coast	1	Others	5
				Japan	115	Total	930



B. Meetings

The annual IGU CSRS colloquium is the most important activity of the commission since its inception (originally as a Study Group “Rural Systems”) at the IGU Conference held in Washington in 1992. They are a unique opportunity for academic collegiality and the interchange of experiences between worldwide rural geographers. Importantly, they always contain a 3/4-days fieldtrip developed in rural locations to know initiatives, experiences, economic activities, transformations, conflicts, etc., which are understood as living laboratories to explore and, in parallel, as arena for in situ academic debates regarding sustainability in rural areas. Typically, colloquia are progressively held in a different continent, each year trying to alternate Global North and Global South.

The 28th was expected to be held in Croatia in August 2020, following the IGU Conference organised in Turkey, the location being chosen, among other reasons, because of the geographical proximity and the good air transport connections between Istanbul and Zagreb. However, the Covid-19 pandemic caused the postponement of the latter, ultimately held virtually in 2021, in line with the IGU Conference in Istanbul also being postponed. 2020 was the first year since 1992 that the IGU CSRS annual colloquium has not been held. Logically, the IGU CSRS also participates in the

IGU conferences, commonly by means of special sessions. This was the case in Istanbul in 2021.

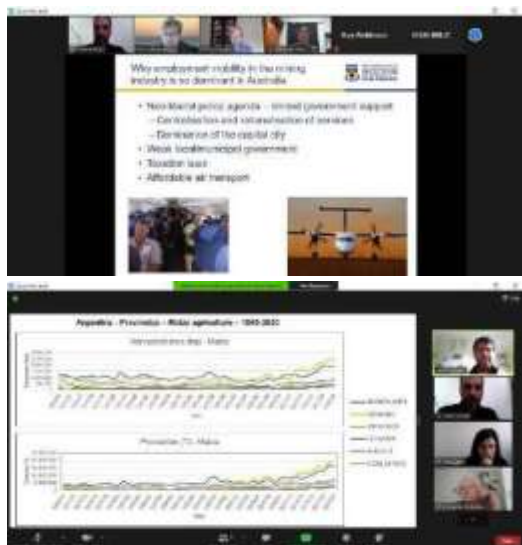
B1. 28th IGU CSRS Colloquium: Croatia (2021-2022) Website: [https:// www.pmf.unizg.hr/geog/rural](https://www.pmf.unizg.hr/geog/rural)

This colloquium was themed *Rural on the Move: Transitions, Transformations, Mobilities and Resistance*. The event was organised by the University of Zagreb and chaired by Aleksandar Lukić. The principal intention was to discuss the notion of rural change, primarily its dynamics, intensity, persistence and interconnectedness. The countryside is seen as an area experiencing rapid transitions and transformations (in different domains: economic, social, technological, political, cultural, environmental, etc.), mobilities (traditional and novel) and resistances to change (conservative and progressive).

The virtual event, held from 23 to 25 August, 2021, from 11 am to 3:45 pm Western European time, enabling presenters’ participation in Eastern Asia and Australia at the beginning of the sessions and by presenters from the Americas later, at the end of the sessions. For most of the sessions there were two Zoom rooms in parallel. The arrangements were effective with 55 presentations from 26 countries. In most of the sessions there was intense discussion after the presentations.

The colloquium took place at a very turbulent time. The ongoing global coronavirus pandemic has prevented us meeting for the last two years. It is a stark warning of the fragility and volatility of human society. Moreover, while disasters such as fires and floods are natural phenomena, their increasing geographic spread and severity are indicative of human impact on nature evolving into threatening scenarios, not only for the environment, but also for economies, communities and policy. Political unrest and rising socio-economic inequalities with devastating consequences for many people around the globe also remain a reality. All of these matters are of central interest to geographers of course, underscoring the importance of enabling meetings in whatever way possible. For those reasons, the 2021 IGU CSRS online colloquium was our contribution to raising global awareness and

offering possible answers to rural sustainability



There will be an *in situ* fieldwork seminar in rural Croatia (part of the 28th Colloquium of the IGU CSRS) preceding the IGU Centennial Congress to be held in Paris, 18-22 July 2022. This was decided given that many IGU CSRS corresponding members want to explore rural Croatia, confirming the utility of the IGU CSRS tradition of holding an annual fieldwork opportunity.

B2. Participation in the IGU Conference in Istanbul (2020-2021)

The IGU CSRS convened two scientific sessions for the IGU Conference held virtually from Istanbul in August 2021, as follows:

1. *Food Market: From Global to Local and Vice Versa*, chaired by Serge Schmitz and Valerià Pauil. The purpose is to document the world diversity of food processing, distribution and consumption patterns, with an increasing disconnection between producers and consumers, but at the same time acknowledging the initiatives “relinking” them. There were five presentations from China, Europe and India.
2. *Global Countryside and Local Development: Facing Rural Problematics*, chaired by Eugenio Cejudo, Ana Nieto and Francisco Navarro. The aim is to discuss the different practices of rural development according to

issues.

various spatial contexts, applicable frameworks and underlying philosophies. Eleven presentations were held, attracting people from Australia, China, Europe, India and Russia.

B3. 29th IGU CSRS Colloquium: Nile Delta (Egypt) (2022)

This colloquium is themed *Necessities and Implementations for Sustaining Rural Systems in both Developed and less Developed Environments* and organised by the Department of Geography of the Faculty of Arts at the Menoufia University (Egypt), together with the Egyptian Geographical Group for Rural Development (EGGRD) of the Egyptian Geographical Society. The main hypothesis of the colloquium is as follows: Benefiting, not repeating, the experiences of developed rural communities could set up successful sustainable rural systems in the Global South. The main themes are as follows:

1. Promoting approaches for current Rural Geographies, able to conceive renewed issues in rural areas to achieve more fruitful Rural Studies.
2. Promoting the integrated fundamentals of rural environments: territorial, economic, social and physical through regional case-studies.
3. Smart Rural Innovations guided by the three lenses of innovation: desirability, feasibility and viability.
4. Challenges and compromises of rural-urban equilibrium, with expected contributions regarding the mutual recognition of agriculture and urbanisation as policy priorities for many world countries, principally in peri-urban environments, and their conflict in local case-studies. The conference is expected to be held from 28 February-4 March 2022. The first call for papers was opened in 1 August 2021. The second call, in 1 September 2021. The pre-registration and submission deadline was 1

October 2021. In November the Organising Committee notified the acceptance of the abstracts. In early December the Organising Committee reported that 30 abstracts and 40 pre-registered scholars had been accepted. The countries of provenance are: Egypt, Argentina, Belgium, China, France, India, Italy, Poland, Portugal, Romania, South Korea, Spain, Turkey and the USA.

The IGU CSRS SC and the local Organising Committee will aim to present the colloquium as normally as possible despite the inevitable pandemic impacts.

B4. Participation in the IGU Conference in Paris (2022)

In late 2021, the IGU CSRS submitted three sessions that were accepted:

1. *Rural Geography Avant la Lettre and the Development of the Sub-Discipline*, devoted to considering the history of the Rural Geography sub-discipline, in the context of the congress celebrating the IGU centenary. The first chair of this proposed session is V. Păuľ.
2. *Is it still Relevant to Speak of Sustainability of Rural Systems in the 21st Century?*, devoted to the ongoing discussion on sustainability of rural areas. The first chair of this proposed session is S. Schmitz.
3. *Considering, Protecting and Promoting the Night-Time Environment: A New Interface of Tensions and Projects Between Cities and the Countryside*, devoted to studying the rural regions that are managing their environments to avoid night-light pollution related to their neighbouring urban areas. The first chair of this proposed session is J. Milian.

Additionally, E. Cejudo chairs a session *The Covid-19 Pandemic: An Opportunity for Rural Areas?*, devoted to consider the impacts of Covid-19 in rural areas which was not been classified as an IGU CSRS session but with obvious interest for the IGU CSRS.

The deadline is 18 January, 2022, so there is still no data available regarding the number of submitted potential abstracts for these four sessions.

B5. Plan for IGU CSRS Colloquia 2023-2024

- The 30th colloquium (2023) will be organised in Poland by the University of Łódź and chaired by Marcin Wójcik.
- Currently, there are two bids for the 31st colloquium (2024), both in the Global South. The decision will be made in July 2022, as usual two years before. The colloquium in 2024 will be important as the IGU CSRS will need to be officially renewed by the IGU General Assembly, together with new Chairs and Steering Committee members. The colloquium is expected to be held before the IGU General Assembly (to be held in Dublin, Ireland, 25-30 August 2024) in order to meet the commitments regarding the official renewal.

C. Networking

The IGU CSRS collaborates with other IGU commissions and related international, intergovernmental or inter- and multi-disciplinary groups. These include:

- Serge Schmitz is an editorial member of the journal *Geography and Sustainability*, an initiative largely supported by the IGU, and has contributed with a chapter on farming to the book *Geography and Anthropocene*, coordinated by Barbaros Gönençgil, Vice-President of the IGU. He has also collaborated on the publication of a special issue at *Belgeo* initiated by the French Rural Geography Commission.
- Since 2019, IGU CSRS corresponding members from Poland are part of the DESIRA (*Digitisation: Economic and Social Impacts in Rural Areas*) initiative, a EU H2020 Project coordinated by the University of Pisa on improving the capacity of society and of political bodies to respond to the challenges that digitisation generates in rural

areas, agriculture and forestry in the next ten years (<https://desira2020.eu/>). The project has been granted for the period 2019-2023.

- In early 2020 a EU H2020 RISE project on sustainable development in mountain areas was granted (<https://www.highlands3.eu/>) for the period 2020-2023 (potentially extended to 2024 due to the covid-19 pandemic). In this project, IGU CSRS corresponding members from different Romanian and Spanish universities cooperate.
- On 22 June 2020, the Alliance 3o2f8 Poverty Reduction and Development (APRD) was officially approved by the Alliance of International Science Organisations (ANSO). This is a non-profit, non-governmental international scientific organisation founded in 2018 by the Chinese Academy of Sciences and 36 other international science and education institutions from around the world. On 17 November 2020, IGU CSRS SC/corresponding members participated in the Inaugural Conference of Alliance of Poverty Reduction and Development, ANSO & International Conference of Global Poverty Reduction and Sustainable Development, held in Lincang, Yunnan Province, China, and presented the following keynote addresses:
 - Holly Barcus: “From Local to Global: Considering the Importance of Place and Local Knowledge in Rural Sustainability”.
 - Hualou Long: “How to Measure the Efficiency of Targeted Poverty Alleviation in China: A Perspective of Third-Party Assessment”.

D. Publications and Dissemination

Academic dissemination has been a central concern of the IGU CSRS since its origins. Most of the early colloquia derived in conference proceeding books but some of them took considerable time to publish after the respective colloquia. Furthermore, in many countries a proceedings book is not considered a legitimate scientific publication. For these reasons in previous

conferences it was decided that the results of the presentations held in the colloquia might be published by means of peer-reviewed conference proceedings and peer-reviewed papers in ranked scientific journals (commonly, by means of a special issue). The main weakness of the latter is that they appear after the event and they depend on the *ex post* submission of papers and the reviewing timing of the respective journal.

All these publication systems have been intensively discussed in the last years by the IGU CSRS SC. Hence, the current publications reflect different choices made between the IGU CSRS SC and the respective local organising committees.

D1. Publications Derived from Previous Colloquia Appeared in 2021 or in Process of Edition

- In 2021 the 26th IGU CSRS Colloquium held in 2018, the book of proceedings was finally published on the Internet: https://www.usc.gal/libros/en/social_sciences_and_law/495-infinite-rural-systems-in-a-finite-planet-332663-.html#29-formato-pdf/34-transaccion-free.
- From the 27th IGU CSRS Colloquium held in 2019, two publications are in the process of completion (expected for mid-2022):
 - A special issue of the *Geographical Review* entitled “Sustaining Rural Systems: Rural Vitality in an Era of Globalization and Economic Nationalism”, edited by Holly Barcus and William Moseley, and expected in early 2022. The papers are beginning to be available at <https://www.tandfonline.com/toc/utgr20/current>
 - A book entitled *Rural Transformations: Globalization and its Implications for Rural People, Land, and Economies* (ISBN 9780367626464), will be published in March 2022 at Routledge, edited by Holly Barcus, Roy Jones and Serge Schmitz. This book is organised around the three core themes of demographic change, rural-urban partnerships and innovations and landscape change. The twelve case studies represent

both the Global North and Global South and underscore the complexity and multi-scalar nature of these contemporary challenges in rural development, planning and sustainability. More information is available at: <https://www.routledge.com/Rural-Transformations-Globalization-and-Its-Implications-for-Rural-People/Barcus-Jones-Schmitz/p/book/9780367626464>

- From the 28th IGU CSRS Colloquium held virtually in 2021, a total of nine manuscripts have been submitted following a post-colloquium specific call by the organising committee. The academic journal will be the *Croatian Geographical Bulletin* and the special issue containing these nine articles is expected to be published in late 2022/early 2023.

D2. Digital Networking

Website <https://igu-csrs.github.io>

In mid-2020, we set up a new website of the IGU CSRS. In 2021 it was updated, including a section on previous publications from the commission and another on previous reports from the IGU CSRS SC available at <https://igu-csrs.github.io/reports.html>.

Facebook

<https://www.facebook.com/ruralgeography/>

E-mail list igu-csrs@okayama-u.ac.jp

<https://ml.okayama-u.ac.jp/mailman/listinfo/igu-csrs>

E. Archival Contributions

The IGU CSRS is committed to transmit to the IGU archives publications of recent years produced by the IGU CSRS and which are

available as hardcopies. However, it is still unclear to the IGU CSRS SC the location of these IGU archives, despite the requests sent in this respect in previous years. Clarification in this respect is kindly requested.

F. Accountability

The IGU CSRS Co-Chairs managed the IGU funds received for 2020 and 2021 as follows:

- The Ana Firmino Scholarships in the context of the 28th IGU CSRS Colloquium, held virtually, were decided to be given in a different way than in the previous colloquia: all the PhD candidates with accepted abstracts were absolved from paying a registration fee, irrespective of their country of origin. This was an exceptional decision taken by the IGU CSRS SC together with the Organising Committee.
- Funds for updating the IGU CSRS website for the years 2021, 2022 and 2023 have been earmarked. In 2024 it is expected that one of the current co-chairs resigns, implying that the website will be transferred to the next co-chairs.

Currently, the funds for 2022 have been not transferred, implying that the Ana Firmino Scholarship for the 29th IGU CSRS Colloquium has not been granted. According to the local Organising Committee, there are four potential candidates that the IGU CSRS Co-Chairs will consider when the funds are transferred.

Submitted by Co-Chairs

Serge Schmitz Valerià Paül

Liège and Santiago de Compostela, 13 January, 2022

*Commission and Task Force
Annual report 2022*

COMMISSION ON AFRICAN STUDIES ANNUAL REPORT 2022

A. INTRODUCTION

The IGU Commission on African Studies (IGU-CAS) was formed in May 2017. It is headquartered in the Department of Geography and Environmental Studies, University of Zululand, South Africa. It is a research and scientific body composed of and dedicated to African and Africanist scholars researching on issues around and in Africa, ranging from social sciences to natural sciences, but informed in the main by geographical, multi and interdisciplinary perspectives. This report covers the period 2020-2021. Accordingly, this report focuses on the following, membership, website, meetings, fundraising, networking and publications.

B. WEBSITE

The website of the Commission is: <https://igucas.africa/>. All events (past, current and planned with be displayed in this website).

C. MEMBERSHIP

The membership of the IGU-CAS can be broken down into two categories, which are the Steering Committee and corresponding members.

D. Steering Committee

1. Prof. Inocent Moyo **(Chairperson)**
Department of Geography and
Environmental Studies University of
Zululand

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X1001KwaDlangezwa 3886 South Africa

Email: minnox@yahoo.com;
MoyoI@unizulu.ac.za Website: <http://www.unizulu.ac.za/>

T: +27 (0) 35 9026340| Office C 9 +27 72

106 2632

2. Prof. Christopher Changwe Nshimbi
(Secretary)

DST-NRF RCA Research Fellow & Deputy
Director: Centre for the Study of Governance
Innovation (GovInn), Department of Political
Sciences, University of Pretoria, Old
CollegeHouse, Private Bag X20, Hatfield
0028, Pretoria, South Africa,

3. Prof Alain François LOUKOU **(Deputy
Chairperson)**

Enseignant - Chercheur, Géographie des TIC
/ Lecturer, Geography of ICT

UFR "Communication Milieu & Société",
Université de Bouaké (Côte d'Ivoire / Ivory
Coast)12 BP 650 Abidjan 12, Côte d'Ivoire
(Ivory Coast)

4. Prof. Kenneth Matengu, Pro-Vice
Chancellor: Research, Innovation and
Development, Office of the PVC: Research,
Innovation and Development, University of
Namibia

5. Dr Augustin Chabossou, Centre d'Etudes, de
Formation et de Recherches en
Développement (CEFRED), Faculté des
Sciences Economiques et de Gestion

Université d'Abomey Calavi (Bénin),
Adresse postale : 04 BP 966 Cotonou Prof.
Yazidhi Bamutaze, Head of Department,
Department of Geography, Geoinformatics
& Climatic Sciences, P.O Box 7062,
Kampala, Uganda,

6. Dr. Ibrahima Sylla, Département de
Géographie de l'Université Cheick Anta
Diop Dakar, Sénégal, Spécialité :

Géographie des TIC et de la Société de l'information. Geography Department of the University Cheikh Anta Diop, Dakar, Senegal

7. Professor A.I. Tanko, PhD, FRGS, Dean, Faculty of Earth & Environmental Sciences, Bayero University, Kano, Nigeria
8. Professor J.A.(Tony) Binns FRGS, FNZGS, FHEA, Ron Lister Chair of Geography, University of Otago, New Zealand
9. Professor Hazel Barrett, Chair in Development Geography, Centre for Trust Peace and Social Relations, Coventry University, Priory street, Coventry.

E. CORRESPONDING MEMBERS: SUMMARY OF MEMBERSHIP

Country	Number Of Mebers
Algeria	3
Benin	1
Canada	14
Cameroon	1
Comoros	1
Egypt	13
England	1
Fiji	1
Germany	1
Ghana	7
Ivory Coast	7
Lesotho	1
Namibia	6
New Zealand	3
Netherlands	1
Nigeria	2
Portugal	1
South Africa 332	30
Uganda	1
Tunisia	2
Zambia	6
Zimbabwe	7
TOTAL	112

NB: It should be noted that these are undercounted totals because, the number 1, only denotes the person in contact, but the activities of the Commission reach the whole country, of which updated numbers are not currently available. For, example Lesotho has been indicated as showing only one person, but the reality on the ground is that the Commission activities have reached the whole country.

F. MEETINGS

i. 2nd International Conference on Geographical Science for Resilient Communities, Ecosystems and Livelihoods under Global Environmental Change (GORILLA) 7-10th Dec 2022
<https://gorilla.mak.ac.ug/about-conference>

This conference was organised by the IGU Commission of Biogeography and Biodiversity, the IGU Commission on African Studies, Uganda Geographical Association, IALE African Chapter, the National Environment Management Authority (NEMA) as well as local stakeholders in Uganda.

G. NETWORKING

The IGU-CAS has established a collaboration with the IGU Commission Geography of Governance. In 2022, the IGU Commission on African Studies worked with the IGU Commission of Biogeography and Biodiversity, Uganda Geographical Association, IALE African Chapter, the National Environment Management Authority (NEMA) as well as local stakeholders in Uganda in the organisation of the International Conference on Geographical Science for Resilient Communities, Ecosystems and Livelihoods under Global Environmental Change (GORILLA), 7-10 December, 2022 Kampala, Uganda. In 2022, the IGU Commission on African Studies established collaboration with scholars from Fiji National University. In addition, in 2022 the Commission also consolidated the collaboration with Geographers from Mozambique and this will lead to the 2023 annual conference being held in Maputo.

H. FUTURE EVENTS

The IGU Commission on African Studies, will

hold its annual meeting in 2023, at the Universidade Eduardo Mondlane, Mozambique from 28-30 May 2023.

L. PUBLICATIONS

1. Moyo, I and Ndlovu-Gatsheni, S.J. 2022. The Paradox of Planetary Human Entanglements Challenges of Living Together. London: Routledge.
2. Maseko, ZTM and Moyo, I. 2022 Conflicts between Conservation and community livelihoods: lessons from KwaNibela and iSimangaliso Wetland Park, KwaZulu-Natal, South Africa. In Musavengane, R and Leonard, L (Eds); Conservation, Land Conflicts and Sustainable Tourism in Southern Africa: Contemporary Issues and Approaches. London: Routledge
3. Ndlovu-Gatsheni, S.J and Moyo, I. 2022. Is Africa's border geography problematic? In Moseley, WG and Otiso, KM (Eds), Debating African Issues: Conversations Under the Palaver Tree. London: Palgrave.
4. Moyo, I. 2022. COVID-19, Dissensus and de facto Transformation at the South Africa–Zimbabwe Border at Beitbridge, Journal of Borderlands Studies, DOI: 10.1080/08865655.2022.2039267
5. Moyo, I. 2022. Beyond a tokenistic inclusion of indigenous knowledge systems in protected area governance and management in Okhahlamba-Drakensberg, African Geographical Review, DOI: 10.1080/19376812.2021.1997613.
6. Nshimbi, C. C. 2022. (Ir)relevant doctrines and African realities: neoliberal and Marxist influences on labour migration governance in Southern Africa, Third World Quarterly.
7. Tshimpaka, L. M. & Nshimbi, C. C. 2022. Scaffolding the state: faith-based organisations and application of democratic principles in the DRC and Zambia, Religion, State & Society, 50(1):76-95. Inocent Moyo (PhD). Chair: IGU Commission on African Studies 29 November 2022.

COMMISSION ON AGRICULTURAL GEOGRAPHY AND LAND ENGINEERING (IGU-AGLE) REPORT 2022

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D3. Innovative development of modern
Yuheng Li (Secretary), Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China. Email: liyuheng@igsnr.ac.cn

Coline Perrin, French National Institute for Agricultural Research (INRA), UMR Innovation, Montpellier, France. Email: coline.perrin@inrae.fr

Michael Woods, Department of Geography and Earth Sciences, Aberystwyth University, UK. Email: m.woods@aber.ac.uk

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F2. Fellow of the Geographical Society of China 8

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A. Membership

Following are the details of the IGU-AGLE steering committee members, please find below my details:

Yansui Liu (Chair), Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China. Email: liuys@igsnr.ac.cn

Guy M Robinson (co-chair, Treasurer), School of Social Sciences, University of Adelaide, Australia. Email: guy.rob3i3n5son@adelaide.edu.au

Hans Westlund, School of Architecture and Built Environment, Royal Institute of Technology (KTH), Sweden. Email: hans.westlund@abe.kth.se

Rajendra P. Shrestha, School of Environment Resources and Development, Asian Institute of Technology (AIT), Thailand. Email: rajendra.shrestha@gmail.com

Habibullah Magsi, Department of Agricultural Economics, Faculty of Agricultural Social Sciences, Sindh Agriculture University Tandojam,

Pakistan. Email: magsihabib@gmail.com

Alexey Naumov, Faculty of Geography,
Lomonosov Moscow State University, Russia.

Email: asnaumov@hse.ru

B. Meetings

B1. Session: Global Sustainable Agriculture and Land Management Systems

On July 20th, 2022, the session was held at the Paris International Geographical Congress. The Session aims to stimulate debate on sustainable agriculture and the various land management systems contributing to sustainable agri-food systems. The commission executive member Guy Robinson gave a presentation entitled "Turning water into gold: Sustainability, water management and horticultural production in South Australia's Riverland".

B2. Session: Sustainable Poverty Reduction and Human-Earth Systems Science

On November 27th, 2022, Prof. Yansui Liu, as the conveners, successfully hosted the session online at the First Congress on World Geography. Focusing on the theme of global poverty reduction, development and human-earth systems science, a total of 22 representatives gave academic presentations, with a maximum of 120 participants. Prof. Yansui Liu gave a presentation entitled "Global sustainable poverty reduction and the

frontiers of human-earth systems science".



B3. Seminar on Sustainable Poverty Reduction and Development

On February 25th, 2022, The Seminar on Sustainable Poverty Reduction and Development was held in Beijing, China. This seminar was hosted by IGSNRR, CAS, Evaluation and Research Center for Targeted Poverty Alleviation, ANSO-APRD, and IGU-AGLE. The seminar attracted 150 experts, scholars and local government representatives. Prof. Yansui Liu gave a presentation entitled "Leveraging the strengths of professional teams to serve major national strategies: the mission of the Effectiveness Assessment of National Poverty Alleviation".

B4. AGLE annual conference in Hanzhong, 2023

The AGLE annual conference will be held in Hanzhong City, Shaanxi Province, China in early May



2023. Yang County Research and Demonstration Base in Hanzhong City was jointly built by IGU-AGLE and Hanzhong Municipal People's Government in May 2018. Yang County case was selected by FAO as a good example of the One Country One Product programme in the Asia and the Pacific region (www.fao.org/one-country-one-priority-product/asia-pacific/good-practices/detail/caoba-yang-shaanxi-china/en).

B5. Other sessions and forums

- Rajendra P. Shrestha, Session chair of Climate change and agriculture, ICUE, 2022, 26-28 October 2022, Jomtien Palm Beach hotel, Pattaya.
- Rajendra P. Shrestha, Launch and training of PyAEZ v 2.0.0.: An innovative open source application for land evaluation (agro-ecological zoning using Python), 28 Nov– 2 Dec, 2022, organized by FAO, AIT and IIASA Habibullah MAGSI, Meeting with Food and Agriculture Organization (FAO) on Sindh Agriculture Action Plan to review Agriculture Policy 2030. Coorganized by World Bank, FAO, and Government of Sindh, Pakistan.

C. Networking

C1. Scientific investigation of human-earth system in the Yellow River Basin of China

From July 27th to August 17th, 2022, the 20-day scientific expedition was successfully completed, which involved three provinces of China, namely Shaanxi, Shanxi and Henan, and included more than 30 counties and cities. The expedition was led by the IGU-AGLE chair Yansui Liu. It is the first large-scale scientific expedition to target counties and villages along the Yellow River Basin in China. More than 50 experts and scholars from the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, Northwest University, Shaanxi Golden Land Village Revitalization Group, Yan'an University and Yulin University participated in the scientific expedition.

C2. BRICS Forum on Big Data for Sustainable Development

On April 27th, 2022, Prof. Yansui Liu was invited to participate in the "BRICS Forum on Big Data for Sustainable Development", as co-chair of the parallel session on "Big Data in Support of Food Security



and Poverty Alleviation". The IGU-AGLE secretary Yuheng Li gave an online presentation on global poverty reduction and resilience building, detailing the mechanisms and practical examples of resilience building for poverty reduction towards the global sustainable development goals.

C3. Lecture on sharing China's development experience under "One Belt, One Road" In November 2022, the IGU-AGLE secretary Yuheng Li was invited to give a lecture to 30 participants from 11 countries in the Africa and Pacific regions. He explained in detail China's poverty reduction history, experience and typical models, and proposed policies and measures for poverty reduction and development in Africa and the Pacific Island countries.

C4. Other academic exchange activities



- Rajendra P. Shrestha, Keynote speaker entitled “Environmental Protection for Sustainable Development” at the



- Habibllah MAGSI, Webinar with Centre for Academic Learning Writing and Support Services

D. Publications

D1. Typical Experiences and Models of Poverty Alleviation in China

Prof. Yansui Liu has published a series of books on Poverty Alleviation entitled *Typical Experiences and Models of Poverty Alleviation in China*. This book records a good cadre, a leader, a good enterprise, a road out of poverty, a good model, a good policy, a new perspective and an unforgettable event (referred to as "Eight ones") that the third-party evaluation experts found in the field evaluation survey. This book can provide impetus for grassroots people to get rid of poverty and get rich and rural revitalization, and also share valuable practical experience for rural workers to make scientific policies.

Liu Yansui, Yang Zisheng, Long Hualou and Li Yurui. *Typical Experiences and Models of Poverty Alleviation in China*[M], People's Publishing House, 2022.

International Conference on China-ASEAN high- end forum on the preservation of Geographical Environment and Talent training, held at Guiyang, China from 29-30 Oct 2022 co-organized by Guizhou Normal university and three other co-organizers.

- Habibllah MAGSI, As a Panelist in IFEM-2022 (International Faculty Exchange Meet) held during June 13-16, 2022 at the University of Technology and Applied Sciences-Shinas, Oman.

(CALWASS) on question of “what is research contribution”.

D2. Global Sustainable Agriculture and Land Management Systems

Prof. Guy M. Robinson is organizing a special issue on *Global Sustainable Agriculture and Land Management Systems* in Geography and Sustainability. The submission deadline is Mar 31st, 2023. The special issue aims to stimulate debate on sustainable agriculture and the various land management systems contributing to sustainable agri-food systems (<https://www.journals.elsevier.com/geography-and-sustainability>).

D3. Innovative development of modern agricultural geography and land engineering

Prof. Yansui Liu, Yuheng Li and Weilun Feng are working on a chapter on *Innovative development of modern agricultural geography and land engineering*. The Book title is Research Directions, Challenges and Achievements of Modern Geography, which is edited by Prof. J. Banski and

Prof. M. Meadows.

Now the review progress is tentatively/conditionally accepted. This chapter aims to expound the scientific connotation and research content of agricultural geographic engineering, and analyze the scientific achievements and challenges faced by agricultural geography and land engineering research in recent years, and prospects for future research directions.

D4. Other published books and papers

1. Liu Xueqi, **Liu Yansui**, Liu Zhengjia, et al.. Evaluating potential impacts of land use changes on water supply-demand under multiple development scenarios in dryland region[J]. *Journal of Hydrology*, 2022, 610: 127811.
2. Li Yurui, Zhang Xuanchang, **Liu Yansui**, et al. Agronomic technology to promote sustainable utilization of newly created farmland in the Chinese Loess Plateau[J]. *Land Degradation & Development*. 2022: 4403.
3. Guo Yuanzhi, **Liu Yansui**. Sustainable poverty alleviation and green development in China's underdeveloped areas[J]. *Journal of Geographical Sciences*, 2022, 32(1): 23-43.
4. Wu Wenhao, **Li Yuheng**, Liu Yansui. What constrains impoverished rural regions: A case study of Henan Province in central China[J]. *Habitat International*, 2022, 119:102477
5. Henning M, **Westlund H**, Enflo K. Urban - rural population changes and spatial inequalities in Sweden[J]. *Regional Science Policy & Practice*, 2022. doi.org/10.1111/rsp3.12602 Rouquier O, **Perrin C**. Can proximity food supply chains limit the banalization of commercial foodscapes of a small town [J]. *Rural Economics*, 2022, 379(1): 7-27.
6. **Naumov A**, Sidorova D, Goncharov R. Farming on Arctic margins: Models of agricultural development in northern regions

of Russia, Europe and North America[J]. *Regional Science Policy & Practice*, 2022, 14(1): 174-186.

7. Helen X.H. Bao, **G.M. Robinson**, Behavioural land use policy studies: Past, present, and future[J]. *Land Use Policy*, 2022, 115, 106013.
8. B. Song, **G.M. Robinson** and D.K. Bardsley. Multifunctionality and path dependence: farmer decision-making in the peri-urban fringe[J] *Journal of Rural Studies*, 2022, 96, 64-77. doi.org/10.1016/j.jrurstud.2022.10.012.
9. Qasim S, Qasim M, **Shrestha R P**, et al. The role of religious beliefs in the conservation of biodiversity in the holy shrines of Pakistan[J]. *Biodiversity*, 2022: 1-5.
10. Kundu, A., Dentinho, T.P., **Magsi, H.**, Basu, K. and Bandyopadhyay, S. (Eds.) 2022. Accessible Housing for South Asia: Needs, Implementation and Impacts. Springer International Publishing. ISBN: 978-3-030-88880-0.

E. Archival Contributions

The IGU-AGLE commission contributed two pieces of news to the IGU website.

1. IGU Distinguished Geographical Practice Award <https://igu-online.org/igu-awards-announced/>
2. Chinese prize 2021 of “National Advanced Collective for Poverty Alleviation”

<https://igu-online.org/wp-content/uploads/2022/02/IGU-UGI-e-Newsletter-January-2022.pdf>

F. Other Information

F1. IGU Distinguished Geographical Practice Award

On July 18th, 2022, Prof. Yansui Liu was awarded the IGU Distinguished Geographical Practice Award for 2022. The award honors geographers

whose work has been widely applied to all areas of academia and has made outstanding contributions. He was selected for his outstanding contributions to scientific decision-making and practice in the field of land use, rural poverty reduction and rural revitalization, and the application of agricultural geoengineering.



Distinguished Geographical Practice Award

Professor Liu Yansui

Institute of Geographic Sciences and Natural Resources Research,
Chinese Academy of Sciences



INTERNATIONAL GEOGRAPHICAL UNION
UNION GÉOGRAPHIQUE INTERNATIONALE



IGU DISTINGUISHED PRACTICE AWARD

LIU YANSUI

The IGU recognizes Professor Liu's international research that has made substantial contributions to scientifically-based decision-making and practice in relation to land use, rural poverty reduction and revitalization, and in the geographical application of agricultural engineering. Professor Liu's work provides many excellent examples of the application of geographical knowledge and skills towards resolving important environmental and social problems.

Cape Town, South Africa
18th July 2022

Michael E Meadows
President, IGU

F2. Fellow of the Geographical Society of China

On September 28th, 2022, Prof. Yansui Liu was invited to attend the first Member's Day of the Geographical Society of China. He was elected as the Fellow of the Geographical Society of China, which is the highest academic honorary title in the field of geography established by GSC. The team's research result "Research on the theory and key technology of precise poverty alleviation assessment and its application to decision-making" was selected as one of the Top Ten Research Advances in Geographical Sciences in China in 2021 (<http://www.gsc.org.cn/content.aspx?id=1375>).



F3. Vice-President of the Royal South Australian Geographical Society

The IGU-AGLE executive member, co-chair Guy Robinson was appointed as Vice-President of the Royal South Australian Geographical Society in September 2022.

F4. Highly Cited Scientists

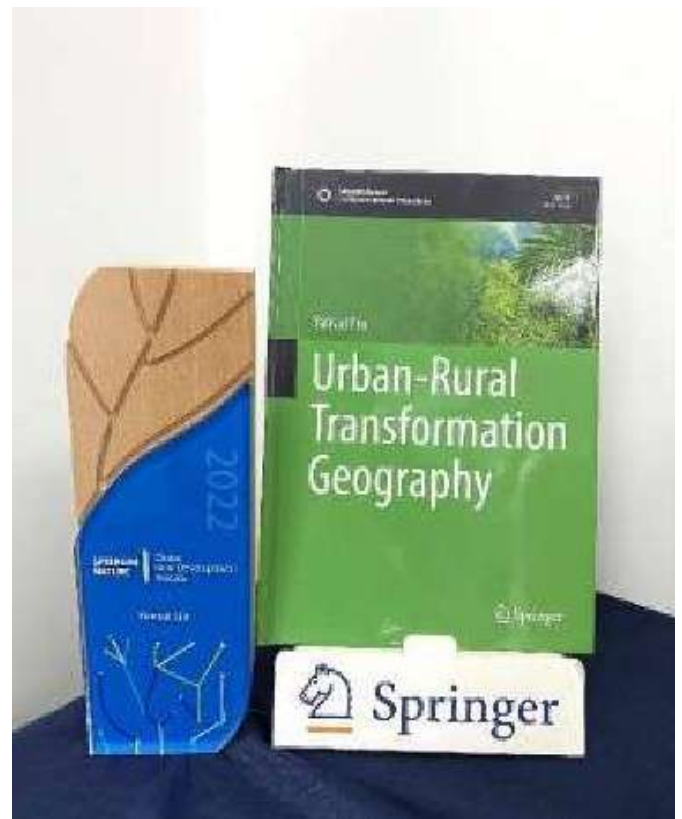
On November 15th, 2022, Clarivate released its 2022 "Highly Cited Researchers" List, which aims to identify the most influential researchers in the natural and social sciences around the world. A total of 6,938 people from 69 countries and regions around the world were included in the list of highly cited scientists. Prof. Yansui Liu was selected as the Highly Cited Researchers for the fifth consecutive year.

F5. The fourth China New Development Awards of Springer Nature

st

On August 1 2022, Yansui Liu's book "Urban-Rural Transformation Geography" was awarded the fourth

China New Development Awards of Springer Nature.



COMMISSION ON APPLIED GEOGRAPHY: ANNUAL REPORT 2022

Membership

Committee Chair (2020 – 2024):

Professor Nik Lomax, School of Geography,
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Steering committee members (2020-2024):

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University of Leeds, UK,
W.H.M.James@leeds.ac.uk, (Secretary)

Elizabeth Mroz, University of Leeds, UK,
gy16e3m@leeds.ac.uk, (Communications and
early career officer)

Professor John R. Lombard, School of Public
Service, Old Dominion University, 2092 Constant
Hall, CBPA, Norfolk, VA 23529, USA,

The Applied Geography Commission is comprised
of 140 members from 27 countries:

Country	Number of members
Australia	5
Canada	2
Switzerland	1
Chile	1
China	4
Estonia	2
Finland	1
France	8
Greece	1
Ireland	2
Israel	22
Japan	2
Italy	2
South Korea	1
Netherlands	3

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Dr Michael Mann, Department of Geography,
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Dr Minh Kieu, Faculty of Engineering, University
of Auckland, New Zealand,
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Professor Yan Liu, School of Earth and
Environmental Sciences, The University of
Queensland, Australia, yan.liu@uq.edu.au

Norway	1
New Zealand	1
Poland	2
Portugal	1
Romania	1
Russia	1
Sweden	1
Tunisia	1
UK	41
USA	17
South Africa	1
Unknown	15
Total	138

Meetings

Sessions at the UGI-IGU Centennial Congress in
Paris, 18-22 July 2022

The AGC organised two sessions at the UGI-IGU

Centennial Congress in Paris, 18-22 July 2022 with the theme of **Modelling Individual Behaviour In An Applied Geography Context**. Eight papers were presented, which covered a diverse spectrum of applied geography topics:

- Mind the Gender Gap in Ride-Hailing: Two Hypotheses and A Preliminary Investigation, Si QIAO, *The University of Hong Kong*, Hong Kong
- Risk places in Bangkok through foreign tourists' crime scene mapping, Chomchid PHROMSIN, *Geography Dept. Kasetsart University*, Thailand
- The Effect of a Minimum Unit Price of Alcohol on the Drinking Habits and Related Health Outcomes for England's Future Elderly Population, Luke ARCHER, *The University of Leeds*, United Kingdom
- A105363RC - Reviewing the State of Transition Probabilities for Dynamic Microsimulation: A Case Study for Mental Health and Employment, Robert CLAY, *University of Leeds*, United Kingdom
- Small area population projection: inputs to behavioural and demand models, Nik LOMAX, *The Alan Turing Institute*, United Kingdom
- Generation of a synthetic population and simulation of daily individual mobilities from multi-source data (Bangkok, Thailand) in a dengue epidemic context, Alexandre CEBEILLAC, *CNRS*, France
- Scaling the Dynamic Micro-simulation Model for Epidemics (DyME) for National Policy Analytics, Dustin CARLINO, *Alan Turing Institute*, United Kingdom
- Do we need GPS for that? Differences between dynamic and static measurements of environmental exposures among seniors in Barcelona, Oriol MARQUET, *Universitat Autònoma de Barcelona*, Spain

Session Abstract

Individual level data is becoming increasingly available for research purposes. This takes the

form of more traditional datasets such as surveys and census microdata as well as emerging 'digital footprint' data such as those produced by mobile phones, wearable technology (e.g. accelerometers), store card transactions and travel cards. Alongside this plethora of data, there also exist established and emerging methods for creating representative synthetic data which can be used for research purposes.

In order to utilize these datasets, a range of methods exist which can be used to undertake analysis and provide insight. These include, but are not limited to Agent Based Models (ABMs), Microsimulation Models, survey data analysis methods and GIS based methods.

Methods also exist for creating spatially representative synthetic data based on these datasets, for example spatial microsimulation models are often used to reweight non-spatial survey microdata.

This session is focused on the modelling of individual behavior and the use of individual level data to provide broader insights in to societal outcomes. Individual level in this context is broadly defined, it could be people, households or any other entity which can be modelled as a single unit of analysis.

Submissions are welcome which articulate how the methods and models are utilized to provide insight in an applied context. The application areas of research concerned with individual level modelling are broad, spanning transport, health, employment, education and beyond so this session seeks to capture this breadth. Submissions which clearly articulate how methods are applied to these datasets to provide insight into behavior or societal outcomes are particularly welcome.

The session format will consist of presentations with time for questions and answers. Submissions are encouraged to make use of innovative visual methods and as such video exemplars, demonstrations of models in action and other interactive forms of presentation are welcome. This session will be delivered in a face-to-face setting where possible.



Figure 1: view of the Eiffel Tower from the river boat hosting the Congress Gala Dinner.

Plans for 2023 standalone symposium and participation in the 2024 Congress 2023 Symposium

The Applied Geography Commission are collaborating with the Commission on Population Geography and the Department of Geography, University of the Aegean to organize a symposium:

The relevance of Applied Population Geography Research

Hosted at the University of the Aegean, Lesvos, Greece, 19 – 22 September 2023 Abstract submission deadline: 28 February 2023

Population studies research encapsulates a wide range of topics and issues, from the study of demographic components (migration, births/fertility, deaths/mortality) through different population-related behaviours and interactions. Much of this research is inherently applied: for example, where the findings have important policy relevance or seeks to offer solutions to grand societal problems and the contemporary perma-crisis, such as climate-change/emergency

migration, relocations and exclusions tied to the cost-of-living challenges and the restructuring of the global economy, displaced populations seeking asylum or refuge. However, there is also space for more theoretical or conceptual contributions that explain these enduring or unfolding population processes and patterns, as well as contributions that make incremental contributions to understanding, developing existing techniques and methods, and identifying and utilising novel datasets. This meeting brings together researchers from across the broad domains of population studies, population geography and applied geography to debate the relevance of applied population studies research: how much of a difference does population research really make in driving change and enhancing broader knowledge(s)?

The call for papers is open to anyone with an interest in applied population geography. The organising committee will select six to eight abstracts for inclusion in a potential special issue of Population, Space and Place which deal with the symposium's theme of The relevance of Applied Population Geography Research. Please specify within your submission if you would like your paper to be considered for the special issue on this particular topic area.

Plans for the 35th International Geographical Congress, Dublin, 2024

The AGC intends to call on members to submit session proposals which capture the breadth of applied geography research going on around the world. The invitation to members will be issued once the call from the Congress becomes available.

Congress Pre-meeting

The AGC plan to invite members to a focused workshop before the Congress, with a view to inviting contributions to a journal Special Issue on *Big Data in Applied Geography*.

Networking

The Applied Geography Commission are working collaboratively with the Population Geography Commission of the IGU in the organisation of the 2023 Symposium on *The relevance of Applied Population Geography Research*. The two

commissions will also organize a special issue of Population, Space and Place which deal with the symposium's theme.

Productive Use of previous IGU grant

The last time that the Commission utilised the IGU grant was to offset the cost of attendance for four young scholars at the annual meeting in L'Aquila, Italy on June 17-19, 2019. We intend to utilise the grant going forward to support the 2023 joint meeting in Lesvos, and the 2024 pre-Congress meeting and the 2024 Congress sessions being run by the AGC.

The up-to-date committee website can be found here: <https://agcigu.wordpress.com/>



COMMISSION ON CLIMATOLOGY REPORT 2022

A. Membership

Full Members

Chair:

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Babatunde Joseph Abiodun Abhishek Banerjee
(since August 2022)

Francisco Jablinski Castelhana

Department of Environmental and State Key Laboratory of Cryospheric Federal University of Rio Grande do Geographical Science, Science, Northwest Institute of Eco- Norte, Letters and Human Sciences University of Cape Town Environment and Resources Chinese Center - Geography Department Rondebosch, Academy of Sciences Bureau 503 Natal,

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Helena Madureira Hadas Saaroni (Vice-Chair) ***Jennifer Salmond***

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e-mail: j.salmond@auckland.ac.nz

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HONORARY MEMBERS:

S. Gregory (U. K.), M. Domroes (Germany), L. Nkemdirim (Canada), A. Douguedroit (France), Z. Ustrnul (Poland), J. Matsumoto (Japan)

SENIOR MEMBERS:

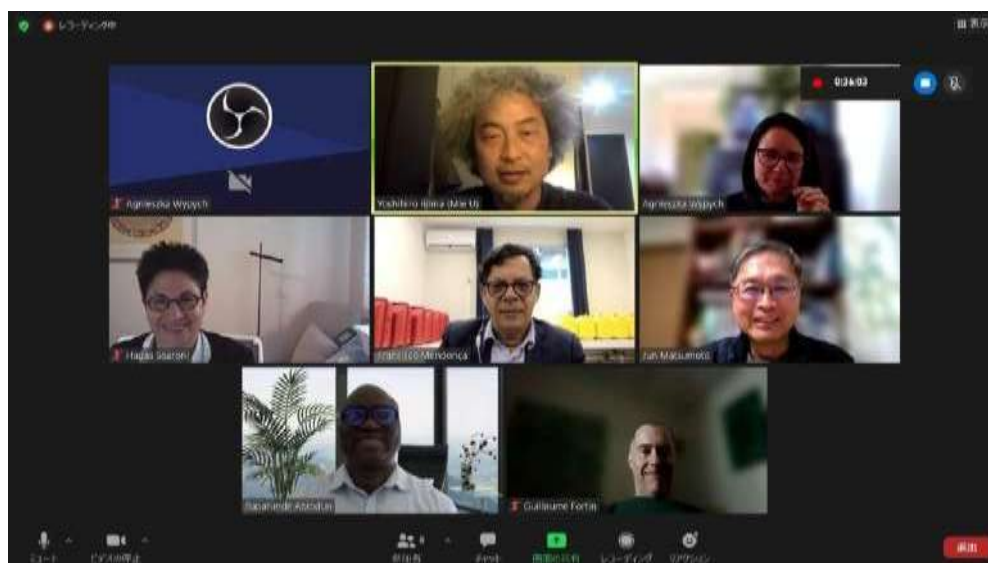
R. Brazdil (Czech Republic), T. Mikami (Japan), N. Tapper (Austria), R. S. Pulwarty (USA), F. Mendonça (Brazil), A. Monteiro (Portugal)

B. Meetings

a. The meetings organized in 2021-22

Intensive on-line contact as the usual possibility of organizing business meetings has become a fact. Besides frequent e-mails exchange and except for time differences, in 2022 one on-line Commission business meeting was organized as well as a few thematic meetings devoted to common publication. On-site meeting took place during IGU Centennial Paris Congress.

CoC Business Meeting 1 – 21st March 2022



The first CoC business meeting was held on 21st March 2022, from 12:00 to 13:00 UTC. The meeting was conducted via the Zoom web meeting system and was devoted mostly to incoming Paris Congress (sessions arrangements) and planned The Geographical Journal special issue. Meeting participants were: CoC SC members: Agnieszka Wypych (Chair), Hadas Saaroni (Vice-Chair), Francisco Mendonça, Babatunde Abiodun, Jun Matsumoto, Guillaume Fortin and Yoshihiro Iijima (Secretary). CoC Business Meeting 2 – 20th July 2022

The second CoC business meeting was held on 20th July 2022, during International Geographical Union Centennial Congress in Paris. The meeting was hybrid, conducted also via the Zoom web meeting system and was devoted to current and planned CoC activities.



Meeting participants were:

- in Paris: Agnieszka Wypych, Hadas Saaroni, Babatunde Abiodun, Guillaume Fortin, Yoshihiro Iijima, Zahide Acar, Francisco Mendonça,

- on-line: Jun Matsumoto, Jennifer Salmond, Helena Madureira and Francisco Castelhana. It was a changing-role meeting including old and new Commission members as well as the Guests/ Observers: Beatriz Funatsu and Barbaros Gönençgil (Vice President of IGU).
- b. A brief summary of the topics addressed at the meetings In the CoC meeting held on

21st March 2022, discussions were held regarding 1) sessions agenda for the coming Paris IGC2022, 2) special issue of the Geographical Journal, 3) new Commission members.

Ad 1): We summarized the Paris IGC submissions and schedule as well as and updated sessions chairpersons (also in the following e-mail discussion).

CoC SESSIONS SCHEDULE – IGU PARIS 18-22.07.2022

SESSION TITLE	CHAIR	CO-CHAIR	FORM	Nº slots	Nº abstracts
Climate And Health	Francisco Mendonça	Ana Monteiro	on-site	2	8 (7+1)
Climate Variability And Change	Zahide Acar	Hadas Saaroni	on-site	3	13 (12+1)
Extreme Weather And Climate Events	Guillaume Fortin	Francisco Mendonça	on-site	2	7
Geoengineering And Climate Change	Babatunde Abiodun		on-site	2	9
Regional Adaptation And Mitigation For Climate Change	Yoshihiro Iijima		on-site	2	9 (8+1)
Urban Climate	Jun Matsumoto	Jennifer Salmond	on-line	2	11 (8+3)
Climate Extremes And Socio-Ecosystem Responses In South America	Beatriz Funatsu		on-site	1	5

Ad 2) It was preliminary agreed with The Geographical Journal Editorial Board that the special issue (SI) entitled: "Climate change and variability: Geographical dimensions regarding risks, mitigation and adaptation" will be edited by Commission on Climatology and will include results presented in Paris. It was decided that CoC editorial team will consist of: Francisco Mendonça, Babatunde Abiodun, Guillaume Fortin and Agnieszka Wypych and prepare the SI details, preparations schedule and inform the intended authors, i.e. IGU Paris CoC sessions participants, about the possibility.

Ad 3) New SC members were finally approved: Helena Madureira from Portugal and Francisco Castelhana from Brazil (to replace in August 2022 Ana Monteiro and Francisco Mendonça, respectively).

The CoC meeting held on **20th July 2022**, discussions were held regarding 1) session summary of the Paris IGC2022, 2) special Issue of the Geographical Journal, 3) future plans. Ad 1) We summarized participants activity regarding

Paris IGC2022 – finally 48 presentations were given in 1 on-line and 6 on-site sessions. The general comment is that preparing the next conference it is worth to consider more time for discussion.

Ad 2) General information about the Special issue: "Climate change and variability: Geographical dimensions regarding risks, mitigation and adaptation" (scope, submitting procedure and deadlines) was prepared in spring by editorial team. Unfortunately it was not distributed in time. The shift in deadlines was accepted by The Geographical Journal editorial board.

Ad 3) Commission on Climatology got a new SC membership application which was accepted – since August 2022 CoC SC consists of 10 people altogether. The discussion about future plans included: Conferences and Cooperation possibilities (CoC sessions during different events, joint activities with other climatological societies), new website (it was decided to create a new website located at independent server, SC members agreed to spend IGU stipend money for

that). The meetings or other events planned to be held in 2023 and later years

CoC Business Meeting will be held on-line probably in winter or spring to finalize the edition of the Special Issue and in the summer (or earlier if necessary) to prepare the Commission to 35th International Geographical Congress, 25-30 August 2024, Dublin, Ireland <http://igc2024dublin.org/>. CoC submitted a session proposal for European Geosciences Union General Assembly meeting (Vienna, Austria & Online, 23–28 April 2023) <https://meetingorganizer.copernicus.org/EGU23/session/45159>. Also organizing a session during EMS Annual Meeting, 4–8 Sep 2023, Bratislava & online has been considered.

C. Networking

- a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces during 2021-22.

CoC was an organizing partner of IGU Thematic Conference held in the Central University of Haryana, Mahendragarh, India on 24-25 November 2022. Unfortunately no

one from the Commission was able to attend the conference and join the organizing committee – only the invitation letter was send to the Participants.

- b. Collaboration, if any, with other IGU commissions or other international, intergovernmental, or interandmulti-disciplinary groups in 2021-22

None

- c. Cooperative efforts, if any, with ISC (International Science Council), and CIPSH (International Council for Philosophy and Human Sciences) programs.

None

D. Publications

- a. Newsletters, special journal issues, and books published in 2021-22CoC Newsletter 2022 (not yet officially published)

- b. The current (temporal) URL of the commission's website.[http://denali.geo.uj.edu.pl/igu-coc/the outward \(being still prepared\)https://www.igu-coc.org/](http://denali.geo.uj.edu.pl/igu-coc/the_outward_(being_still_prepared)https://www.igu-coc.org/)

COMMISSION ON COASTAL SYSTEMS REPORT 2022

A. Membership

The Officers and Steering Committee of the Commission on Coastal Systems are:

Chair/ Président

Prof. **Colin Woodroffe**

School of Earth Atmospheric and Life Sciences,
University of Wollongong, Wollongong,

NSW 2522, AUSTRALIA

colin@uow.edu.au

Secretary/Secrétaire, Editor of Newsletter

Dr. **Margarita Stancheva**

Center for Coastal and Marine Studies (CCMS).
9000 Varna, 33 Podvis str, BULGARIA
stancheva@ccms.bg

Vice-Chair

Dr. **David R. Green**

G10 | AICSM/UCEMM | Department of
Geography and Environment | School of
Geosciences | University of Aberdeen | St. Mary's |
Elphinstone Road | AB24 3UF | Scotland UNITED
KINGDOM | d.r.green@abdn.ac.uk

Steering Committee members

Dr. Abdelmounim El M'rini

Department of Earth Sciences, Abdelmalek
Essaâdi University, Tetouan, MOROCCO
aelmrini@gmail.com

Profa. Dra. **Marinez Scherer**

Universidade Federal de Santa Catarina, Centro de
Filosofia e Ciências Humanas, Departamento de
Geociências, Florianópolis, Santa Catarina -
88040-970, BRASIL marinezscherer@gmail.com

Dr Dhritiraj Sengupta

State Key Laboratory of Estuarine and Coastal

Research, East China Normal University 500,
Dongchuan Road, Shanghai, CHINA
dhritiraj@sklec.ecnu.edu.cn

Prof. **Irene Delgado-Fernandez** [appointed in
2021]

Department of Geography and Geology, Edge Hill
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Prof. **Niki Evelpidou** [appointed in 2021]

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and Kapodistrian University of Athens,
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Dr. **Toru Tamura**

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Dr. Jeffrey Ollerhead

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Prof. **Edward J. Anthony** (past Chair)

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Prof. **Norbert P. Psuty** (co-editor Newsletter)

74 Magruder Road, Institute of Marine and Coastal

B. Meetings

ALBANIA	1	GABON	2	PERU	1
ALGERIA	2	GEORGIA	2	PHILLIPINES	2
ARGENTINA	5	GERMANY	21	POLAND	4
AUSTRALIA	12	GREECE	6	PORTUGAL	16
AZERBAIJAN	1	HONG KONG	2	ROMANIA	10
BANGLADESH	2	INDIA	9	RUSSIA	7
BELGIUM	27	ICELAND	1	SENEGAL	1
BENIN	1	INDONESIA	1	SINGAPORE	1
BRAZIL	21	IRAN	1	SOUTH AFRICA	7
BULGARIA	4	IRELAND	10	SPAIN	20
CANADA	18	ISRAEL	3	SURINAM	1
CHILE	2	ITALY	16	SWEDEN	3
CHINA	11	JAPAN	5	SWITZERLAND	2
COLOMBIA	2	KOREA	2	TAIWAN	5
COTE D'IVOIRE	3	LATVIA	1	THE NETHERLANDS	14
CUBA	1	MALAYSIA 355	1	TOGO	1
DENMARK	2	MEXICO	1	TUNISIA	1
ECUADOR	1	MORROCO	3	TURKEY	7
EGYPT	1	NEW ZEALAND	10	UKRAINE	2
ESTONIA	5	MOZAMBIQUE	1	UNITED KINGDOM	31
FINLAND	4	NAMIBIA	1	U S A	94
FRANCE	83	NIGERIA	4	URUGUAY	1
FRENCH POLYNESIA	1	NORWAY	3	VIETNAM	1

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b. Number of Commission members **in total (543)**
and by country at 31 December 2022.

The following meetings were organised, or sponsored, by the Commission on Coastal Systems in 2022 with summary information. Plans for 2023/4 are also outlined.

MAY 23-27, 2022. VIENNA, AUSTRIA. EUROPEAN GEOSCIENCES UNION

Two sessions have been supported by the CCS at the EGU2022.

GM6.7 on “Coastal Zone Geomorphological Interactions: Natural versus Human- Induced Driving Factors” was successfully conducted for the fourteenth time; the conference format was fully hybrid and ran smoothly. with the invaluable help of the in-room technical assistant. Contributions included: environmental recovery from heavy metal contamination in estuaries; controlled flood basins; coastal erosion in Sicily and Greenland, modelling of coral reef

development; beach bedforms; and marina planning in the context of shifting sediment, as well as remote sensing techniques for beach surveys and automated toolkits for monitoring coastal change. The session was chaired by Dr. Andreas Baas (UK). A detailed list of presentations can be viewed online at www.egu22.eu.

GM6.9 on ‘Coastal Morphodynamics: nearshore, beach, and dunes’ was held for the fifth time. Speakers presented on various themes focusing on the measurement and modelling of coastal processes and geomorphological responses across the three sub-units of sandy coastlines (nearshore, beach and dunes) over a range of spatial and temporal scales. The latest developments were highlighted in relation to our understanding of coastal geomorphic systems, thinking across interdisciplinary boundaries and geomorphological issues of coastal evolution. The session was convened by Irene Delgado (University of Cadiz, Spain), Derek Jackson (Ulster University, UK), and Emilia Guisado-Pintado (University of Seville, Spain).

JULY 18-22, 2022. UGI-IGU PARIS, THE CENTENNIAL CONGRESS, PARIS

Three sessions were convened on behalf of the Commission on Coastal Systems.

Coasts’ Futures: The Challenge of Coastal Resilience in the Face of Global Change, convened by Ywenn De La Torre and Virginie Duvat. This session examined approaches to building coastal resilience to climate and global changes. It focused on adaptation by reducing coastal hazards through Nature-based solutions, looking at wave run-up and vegetation on Caribbean beaches, and introduction of new plant species on Chilean foredunes. The impacts of coastal urbanization were considered with sustainable adaptation strategies on tourist beaches in Sicily, and in Saint-Pierre et Miquelon archipelago where relocation of an entire village was discussed.

Coastal Resources and Unsustainability: addressing underlying issues to strengthen resource governance, convened by Ritika Prasad

and Bratati De. The session included a consideration of morphological, total vegetation, water index, and shoreline changes over the past two decades in Kachchh Biosphere Reserve, Gujarat, India, and Integrated Coastal Vulnerability Mapping of southern Gujarat using socioeconomic variables.

³⁵⁶**Coastal Tourism, Heritage and Nature servation in the Anthropocene**, convened by Vincent Andreu-Boussut and Céline Chadenas. This session explored theoretical implications, issues and new challenges in nature conservation (especially in protected coastal areas), and issues facing heritage conservation and tourism.

CONFERENCE SESSIONS PROPOSED IN 2023 and 2024

APRIL 23-28, 2023. VIENNA, AUSTRIA. EUROPEAN GEOSCIENCES UNION

CCS will convene three sessions at EGU2023

Coastal Morphodynamics: nearshore, beach and dunes, convened by Irene Delgado-Fernandez, Emilia Guisado-Pintado and Derek Jackson.

Towards Reducing Vulnerability and Managing Coastal Hazards, convened by Ritika Prasad and Bhanwar Vishvendra Raj Singh.

AUGUST 24-30, 2024. DUBLIN INTERNATIONAL GEOGRAPHICAL: CONGRESS

The Commission on Coastal Systems will convene one or more sessions at IGC2024

C. Networking and Communications

The CCS upgraded its new website - <http://igu-coast.org/> in 2021, and maintained its Twitter account. It sustained networking and communication through its Newsletter, published twice a year, as well as through special sessions at meetings.

D. Publications

a. Newsletters, special journal issues, and books published or anticipated during 20221

Two Newsletters have been published in 2022; numbers 86 and 87 in January and July

respectively. The next Newsletter will appear in January 2023.

The following special issues are in production;

A special issue on **Coastal Hazards in Africa** is in preparation for the *Journal of African Earth Sciences*. Guest editor - Abdelmounim El M'rini, Driss Nachite and Mohamed Maanan.

<https://www.sciencedirect.com/journal/journal-of-african-earth-sciences/vol/163/suppl/C#article-18>

A second special issue on **Coastal Hazards in Africa**: processes, vulnerability and management, arising from the second conference, is in preparation for the journal *Estuarine, Coastal and collating papers from CoastGIS 2021*, in the *Journal of Coastal Conservation, Planning and Management*. Guest editor - David R Green

A special issue on **Applications of Structure-from-Motion Photogrammetry in Coastal and Marine Studies** for the journal *Geosciences*. Guest editors – Rafael Carvalho, Javier Leon and Luis Conti

A special issue on **Coastal Systems: Monitoring, Protection and Adaptation Approaches** for the *Journal of Marine Science and Engineering*. Guest editors – Niki Evelpidou, Anna Karkani and

Shelf Science, Guest editor – Errol Wiles.

<https://www.sciencedirect.com/journal/estuarine-coastal-and-shelf-science/collection/10DJ7WTJBKK?page-size=100&page=1>

A special issue on **Sustaining coastal and marine environments in the Anthropocene is in preparation** for the *Journal of Coastal Conservation, Planning and Management*, arising from the CCS session at the IGC. Guest editors – Colin Woodroffe and Margarita Stancheva.

A special issue on **Sustainable Coastal Planning in a Changing World**, is planned,

Miltiadis Polidorou

E. Archival Contributions

Copies of Newsletters are archived with IGU and available on our CCS website.

F. IGU Funds

Funds from IGU have been used to upgrade the Commission's new website.

Colin Woodroffe, Chair and **Margarita Stancheva**, Secretary Attachment 1. IGU CHAR Steering Committee and Honorable members

Steering	Full	Country	Insitution	Email address
Chairperson	Tatiana Vlasova	Russia	Institute of Geography, Russian Academy of	tatiana.vlsv@gmail.com
Vice-Chair	Prakash Chandra Tiwari	India	Department of Geography, Kumaun University, India	pctiwari@yahoo.co m
Steering committee member 1	Wieslaw Ziaja	Poland	Institute of Geography and Spatial Management of the Jagiellonian University, Krakow, Poland	wieslaw.ziaja@uj.e du.pl
Steering committee member 2	Andrey Petrov	USA	Department of Geography, University of Northern Iowa, Cedar Falls IA USA	andrey.petrov@uni. edu

Steering committee member 3	Dana Micu	Romania	National Meteorological Administration (Meteo Romania) Department of Climatology Romania	dana.micu@meteoromania.ro micudanamagdalenagmail.com
Steering Committee member 3	David William Hedding	South Africa	Department of Geography, University of South Africa	heddidw@unisa.ac.za
Steering committee member 4	Sophie Hou	France	Université Paris 1 Panthéon Sorbonne, France	sophie.Hou@univ-paris1.fr

Honorary	Full	Country	Institution	Email address
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Honorary member 2	Dario Trombott	Argentina	Intanigla - CCT Mendoza – Conicet. Casilla de Correo 330 5500 Mendoza, Argentina	dtrombot@lab.cricyt.edu.ar jef.vandenberghe@vu.nl
Honorary member 3	Jef Vandenberghe	Netherlands	Dept. Of Earth Sciences VU University De Boelelaan Amsterdam. The Netherlands	

Attachment 2.

CHAR-IGU 2017-2022 Corresponding Members-Total by Country

Argentina	22
Australia	2
Austria	1
Bangladesh	1
Britain	19
Canada	20
China	4
Estonia	1
Finland	1
France	6
Germany	37

Georgia	1
Hungary	6
India	3
Ireland	1
Israel	1
Italy	2
Japan	5
Mongolia	1
New Zealand	11
Norway	11
Poland	4
Portugal	4
Romania	6
Russia	17
South Africa	3
Spain	1
Sweden	9
Switzerland	19
The Netherland	6
Ukraine	1
U.S.A.	16
IGU-Commission C12.07 “Cultural Approach in Geography”	

Chair: Je-Hun RYU

COMMISSION ON CULTURAL APPROACH REPORT 2022

CHAIR: Je-Hun RYU, Department of Geography, Korea National University of Education, Cheongju-si (Chungbuk) ; *jhryu1010@naver.com*; *jhryu310@gmail.com*, **SOUTH KOREA**

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CONSULTANTS: Jacqueline GEE: Department of Modern and Classical Languages, College of Arts and Sciences, Kent State University, Kent (Ohio, United States); *jgee2@Kent.edu* ; Hugo Capellà-Miternique, Universitat Illes Balears (Spain), *hugo.capella@uib.eu*

Cultural Approach Commission, entries (592) by countries (44), Following the Paris Conference August 2022

Argentina	11
Australia	14
Austria	7
Bangladesh	1
Belgium	5
Brazil	17
Cambodia	1
Canada	50
Chile	1
China	18
Colombia	6

Croatia	1	Australia/New Zealand, 19; Russia, 9; Israel, 7; S. Africa: 5
Czech Republic	3	
Denmark	1	Cultural Approach Commission, mailing list as of December 2021
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Italy	27	anisya_khokhlova@mail.ru, anna.krabbe@rub.de,
Japan	18	Anne-Laure.Amilhat@ujf-grenoble.fr,
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% by regions: Europe: 58%; North America: 16.5% (South America: 1%), Asia: 9.5% Other regions/countries by number of entries:

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I. The Original Plan for the 2022 Centennial IGC at Paris

Commission Chair, Je-Hun RYU, discussed with the members on the Steering Committee how to organize sessions for the 2022 Centennial IGC at Paris, and came up with two session proposals for Thematic Session “Time for geographers,” and eight session proposals for IGU Commission Session. In addition, a special session was proposed to invite Prof. Paul Claval, the first Chair for the Commission, to deliver his speech on the

topic “Cultural Approach in Geography.” The list of sessions which were approved by the IGC Organizing Committee is shown in the below:

1. Thematic Session "Time for geographers"

1-1. Heritage and Sustainable Development: The Importance of Geographical Thinking, Chair: Je-Hun Ryu (Chair for the Steering Committee)

1-2. New Cultural Geographies in a Post-Pandemic World: Research Topics and Methodologies, Chair: Dolores Sánchez-Aguilera (Steering Committee Member)

2. IGU Commission Session: “Cultural Approach in Geography”

2-1. The Cultural Approach in Geography in Different Socio-Spatial and Temporal Contexts: A Comparative Perspective, Chair: Dupont Louis (Steering Committee Member)

2-2. Territories and Politics of Animalities: Critical Animal Geographies between Domination and Resistance, Chair: Juli Coumau

2-3. Night Studies: Geographical Lighting and Spatial View, Chair: Salomé Vincent

2-4. Penser Les Musées En Géographie : Concepts, Enjeux et Méthodologie, Chair: Marie-Alix Molinié-Andlauer

2-5. The Geographies of Death: Spatial Aspects in Times of Change, Chair: Roger Marjavaara

2-6. Mobilizing the Place Mediated Through Local Cultural Institutions and Events: Multifaceted Debates in Japan, Chair: Takeshi Hamano (Steering Committee Member)

2-7. Geography and Spirituality, Chair: Brice Gruet

2-8. Cultural Geography of Asian Cities: Interfacing Heritage, Tourism, and Urbanization in Making Future Sustainable, Chair: Kiran Shinde

3. Special Session: “Tribute to Paul Claval”

Paul Claval is a renowned French Geographer, professor at La Sorbonne, a long time IGU

member and one of the founders of the Cultural Approach commission. He gives a key-note speech entitled: THE CULTURAL APPROACH IN GEOGRAPHY. Je-Hun RYU, from South Korea, actual President of the Cultural Approaches Commission, presides over the session and entertain questions from the audience.

II. The Activity during the 2022 Centennial IGC at Paris

1-1. Heritage and Sustainable Development: The Importance of Geographical Thinking

Slot 1 (Tue, 19th July): 08:30 - 10:15 - Panthéon Room 216

Chair(s): Je-Hun RYU, Korea National University of Cultural Heritage, Korea (Republic of) Maria GRAVARI-BARBAS, University of Paris I

Slot 2 (Tue, 19th July): 10:30 - 12:15 - Panthéon Room 216

Chair(s): Je-Hun RYU, Korea National University of Cultural Heritage, Korea (Republic of) Maria GRAVARI-BARBAS, University of Paris I

Slot 3 (Tue, 19th July): 12:30 - 14:15 - Panthéon Room 216

Chair(s): Je-Hun RYU, Korea National University of Cultural Heritage, Korea (Republic of) Maria GRAVARI-BARBAS, University of Paris I

1-2. New Cultural Geographies in a Post-Pandemic World: Research Topics and Methodologies

Slot 1 (Fri, 22nd July) 08:30 - 10:15 - Société de Géographie Room A Chair(s): Dolores Sánchez-Aguilera, Universitat De Barcelona, Spain Je-Hun RYU, Korea National University of Cultural Heritage

Slot 2 (Fri, 22nd July) 0:30 - 12:15 - Société de Géographie Room A

Chair(s): Dolores Sánchez-Aguilera, Universitat De Barcelona, Spain Je-Hun RYU, Korea National University of Cultural Heritage

2-1. The Cultural Approach in Geography in Different Socio-Spatial and Temporal Contexts: A Comparative Perspective

Slot 1 (Thurs, 21st July) - 08:30 - 10:15 - Panthéon Room 16

Chair(s): Louis DUPONT, Sorbonne Université, France

Je-Hun RYU, Korea National University of Cultural Heritage

Slot 2 (Thurs, 21st July) - 10:30 - 12:15 - Panthéon Room 16

Chair(s): Louis DUPONT, Sorbonne Université, France

Je-Hun RYU, Korea National University of Cultural Heritage

Slot 3 (Thurs, 21st July) 12:30 - 14:15 - Panthéon Room 16

Chair(s): Louis DUPONT, Sorbonne Université, France

Je-Hun RYU, Korea National University of Cultural Heritage

Slot 4 (Thurs, 21st July) 14:30 - 16:15 - Panthéon Room 16

Chair(s): Louis DUPONT, Sorbonne Université, France

Je-Hun RYU, Korea National University of Cultural Heritage

2-2. Territories and Politics of Animalities: Critical Animal Geographies between Domination and Resistance

Slot 1 (Thurs, 21st July) - 08:30 - 10:15 - Institut de Géographie Room 405

Chair(s): Julie COUMAU, Sorbonne Université, France Claire CAMBLAIN, Université de Genève

Slot 2 (Thurs, 21st July) - 10:30 - 12:15 - Institut de Géographie Room 405

Chair(s): Julie COUMAU, Sorbonne Université, France Claire CAMBLAIN, Université de Genève

2-3. Night Studies: Geographical Lighting and Spatial View

Slot 1 (Wed, 29th July) 08:30 - 10:15 - Institut de Géographie Room 303

Chair(s): Salomé VINCENT, Sorbonne Université Laboratoire Médiations, France Louis DUPONT,

Sorbonne Université

Slot 2 (Wed, 29th July) 10:30 - 12:15 - Institut de Géographie Room 303

Chair(s): Salomé VINCENT, Sorbonne Université
Laboratoire Médiations, France Louis DUPONT, Sorbonne Université

Slot 3 (Wed, 29th July) 12:30 - 14:15 - Institut de Géographie Room 303

Chair(s): Salomé VINCENT, Sorbonne Université
Laboratoire Médiations, France Louis DUPONT, Sorbonne Université

2-4. Penser Les Musées En Géographie: Concepts, Enjeux et Méthodologie

Slot 1 (Tue, 19th July) 08:30 - 10:15 - Panthéon Room 419A

Chair(s): Marie-Alix MOLINIÉ-ANDLAUER, Sorbonne University & Chaire Eti-Iae - Pantheon Sorbonne, France; Louis DUPONT, Sorbonne University

Slot 2 (Tue 19th July) 0:30 - 12:15 - Panthéon Room 419A

Chair(s): Marie-Alix MOLINIÉ-ANDLAUER, Sorbonne₃₆University & Chaire Eti-Iae - Pantheon Sorbonne, France; Louis DUPONT, Sorbonne University
2-5. The Geographies of Death: Spatial Aspects in Times of Change

Slot 1 (Thurs, 21st July) 08:30 - 10:15 - Institut de Géographie Petit Amphi

Chair(s): Roger MARJAVAARA, Department of Geography, Umeå University, Sweden

Carola WINGREN, Department of Urban and Rural Development Swedish University of Agricultural Sciences

2-6. Mobilizing the Place Mediated Through Local Cultural Institutions and Events: Multifaceted Debates in Japan

Slot 1 (Fri, 22nd July) 14:30 - 16:15 - Panthéon Room 17 Chair(s): Takeshi HAMANO, University of Kitakyushu, Japan Akimasa SUGANUMA, Kyushu Sangyo University

2-7. Geography and Spirituality

Slot 1 (Thurs, 21st July) 10:30 - 12:15 - Institut

de Géographie Room 316

Chair(s): Brice GRUET, Université Paris Est Créteil, France Marie-Hélène CHEVRIER, Institut Catholique de Paris

Slot 2 (Thurs, 21st July) 12:30 - 14:15 - Institut de Géographie Room 316

Chair(s): Brice GRUET, Université Paris Est Créteil, France Marie-Hélène CHEVRIER, Institut Catholique de Paris

Slot 3 (Thurs, 21st July) 14:30 - 16:15 - Institut de Géographie Room 316

Chair(s): Brice GRUET, Université Paris Est Créteil, France Marie-Hélène CHEVRIER, Institut Catholique de Paris

2-8. Cultural Geography of Asian Cities: Interfacing Heritage, Tourism, and Urbanization in Making Future Sustainable

Slot 1 (Wed, 20th July) 08:30 - 10:15 - Virtual room 1

Chair(s): Kiran SHINDE, La Trobe University, Australia

Rana P.b. SINGH, (ex) Banaras Hindu University Varanasi India
Slot 2 (Wed, 20th July) 10:30 - 12:15 - Virtual room 1 Chair(s): Kiran SHINDE, La Trobe University, Australia

Rana P.b. SINGH, (ex) Banaras Hindu University, Varanasi India

3. Tribute to Prof. Claval, the first Chair for the Commission (Thurs, 21st July) 16:00 - 18:30 - Panthéon Amphi 3

The creation of the Commission on the Cultural Approach in Geography was first proposed by the French National Committee of Geography at the 1996 IGU Congress at Hague, Netherland. To begin with, in 1996, it was launched as a Study Group on the Cultural Approach in Geography, and Prof. Paul Claval accepted to chair it. The term The Cultural Approach in Geography was chosen instead of “cultural geography,” because what is called cultural geography is not same in terms of content everywhere. Six years later, the Study Group was converted into an IGU Commission during the 2002 IGC at Dublin, South Africa. Claval served as the Chair for the Study Group

(1996-2002) and Commission

(2002-2004). Consequently, the 2022 Centennial IGC at Paris was exactly the time to celebrate the twentieth anniversary of the Commission on the Cultural Approach in Geography. (If we take account the years of Study Group, it had been twenty-six years since its creation). It was, therefore, decided to invite Prof. Claval to give a keynote speech in commemoration of the twentieth anniversary of our Commission. Prof. Claval gave his speech with the topic

The Cultural Approach in Geography. He said, "In comparison with the structurationist and poststructuralist approaches, the cultural approach does not suffer least from the same limitations."

III. Retrospect on the 2022 Centennial IGC at Paris and Prospect for the future

The total number of abstracts that had been accepted turned out to be eighty-three, but the actual number of papers that had been presented were estimated to be from two-third to half of the accepted ones. It is assumed that COVID-19 Pandemic affected largely the increase on the ratio of absentees. The total number of abstracts that had been accepted for each session amounts to be the following: Session 1-1: thirteen; Session 1-2: six; Session 2-1: fifteen; Session 2-2: eight; Session 2-3: twelve; Session 2-4: eight; Session 2-5: four;

Session 2-6: ten; Session 2-8: seven.

1. Thematic Session "Time for geographers"

The session "Heritage and Sustainable Development: The Importance of Geographical Thinking" aimed to discuss and explore the ways geographical thinking can be used to better understand a contemporary problem: *the relationship between heritage, broadly defined, and sustainable development*. We expected the Cultural Approach in Geography to play a role in the integration of geographical thinking from different subfields. As for the session, thirteen abstracts were accepted and all but one managed to present their papers. Among the presenters, eleven showed up in Paris while two on line. It was a good opportunity to bring together geographers who wonder "how to integrate heritage, planning

and management into the perspective and process of a sustainable development." Indeed, since 2010, efforts and endeavours have been made to integrate culture and heritage into the objective and process of sustainable development. In the future, we expect the Cultural Approach in Geography to play a role in the integration of geographical thinking from different subfields.

2. IGU Commission Session: "The Cultural Approach in Geography"

Because the Organizing Committee did not provide any information about papers that had been actually presented, there is no way to identify who registered and show up for the presentation. For this reason, I would rather make a report on the case of "The Cultural Approach in Geography in Different Socio-Spatial and Temporal Contexts: A Comparative Perspective" as a representative. As for the session, fifteen abstracts were accepted and seven showed up in Paris. Eight did not show up; five from India, one from Russia, one from Brazil, one from China. With fifteen abstracts, four sessions were planned, two were held, two had to be cancelled. On the one hand, it was a kind of disappointing because of the absentees, but on the other, the sessions and papers were interesting. We think that the idea to go back to "the cultural turn" was interesting, but it seems that the cultural turn has passed. It is not any more the object of debate or examination, most notably in Western Countries. But a proof that it has become something of the pass, and that it brought changes in cultural geography, is to be found in the subject of the abstracts and presentations: new themes, subjects and case studies have become common for geographers, who, in a sense, keep on exploring their world.

3. Special Session: "Tribute to Paul Claval"

According to Prof. Claval, the original goal of the 37th Commission has not been to promote one conception of culture and forbid others, but to see their mutual relations and how they contribute to the comprehension of diversity in the world. To adopt a cultural approach is to choose a point of view among others; in a certain way, it is to throw light on a thing that can be observed from other standpoints. In 2004, when he stepped down from

chairmanship for the Commission, he proposed that the Commission had three responsibilities:

- (i) to make an inventory of the diverse orientations that were developed in this research area
- (ii) to facilitate their diffusion out of English-speaking or French-speaking countries, which had been more active in the field after the 1970s
- (iii) to provide colleagues who had an interest in the field with an overview of its most recent

results and evolving structure

Even after stepping down from his chairmanship, Prof. Claval continued to think deeply and widely over these issues and write about them. Taking advantage of the occasion on the 2022 Centennial IGC at Paris, we were fortunate to have an opportunity to listen to his keynote speech, which would guide and enlighten us to the future direction for our Commission “The Cultural Approach in Geography.”

COMMISSION ON THE DYNAMICS OF ECONOMIC SPACES REPORT 2022

A. Membership

1. Steering Committee:

The Steering Committee of the IGU Commission on the Dynamics of Economic Spaces (CDES) consists of eleven members from different countries. The steering committee contains three women and eight men and has representatives from Europe, North America and Asia. The current members of the Steering Committee are listed as follows:

1. **Chair¹:** Nuri Yavan, Ankara University, Faculty of Language, History and Geography, Department of Geography, Ankara, TURKEY. Email: nuri.yavan@ankara.edu.tr.
2. **Vice Chair:** Eva Kiss, RCAES Geographical Institute, Budapest, HUNGARY. Email: kisse@mail.iif.hu
3. Harald Bathelt, Department of Geography and Planning, University of Toronto, Toronto, CANADA. Email: harald.bathelt@utoronto.ca
4. Robert Hassink, Kiel University, Department of Geography, Kiel, GERMANY, E-mail: hassink@geographie.uni-kiel.de
5. Canfei He, Peking University, College of Urban and Environmental Sciences, Beijing, CHINA, E-mail: hecanfei@urban.pku.edu.cn
6. Patrick Heidkamp, Southern Connecticut State University; Department of the Environment, Geography & Marine Sciences, New Haven CT, USA. Email: heidkampc1@southernct.edu
7. Yangmi Koo, Department of Geography, Seoul National University, Seoul, SOUTH KOREA. Email: yangmi@snu.ac.kr

8. Armin Kratzer, University of Innsbruck, Institute of Geography, Innsbruck, AUSTRIA. Email: Armin.Kratzer@uibk.ac.at
9. Rene Matlovic, University of Presov, Department of Geography and Regional Development, Presov, SLOVAK REPUBLIC. Email: rene.matlovic@unipo.sk
10. Özge Öner, University of Cambridge, Department of Land Economy, Cambridge, UK. Email: oo263@cam.ac.uk
11. Piotr Pachura, Czestochowa University of Technology, European Faculty of Engineering, Czestochowa, POLAND. Email: piotr.t.pachura@gmail.com

2. Commission Members:

The IGU Commission on the Dynamics of Economic Spaces (CDES) does not have a formal membership base. Our 'membership' list we use to distribute information consists of 657 active email addresses from all over the world (Figure 1). Although the commission currently

Eva Kiss, from RCAES Geographical Institute, Budapest, Hungaria, will serve as Chair of the IGU CDES for the period 2023- 2026 and Nuri Yavan of the Ankara University will become Vice Chair for a two-year period of 2023-2024. has 38 member countries, half of the members (51%) are from UK (22%), USA (16%) and Germany (13%). When we add Canada (7%), Australia (6%) and New Zealand (4%) to this rate, 68% of the member are from Anglo-American countries (except Germany). In 2022, 30 new members joined the Commission.

Figure 1: IGU Commission on the Dynamic of Economic Spaces Membership by Country (As of 31 December 2022)

held in English and one in French, in line with the multilingual nature of the congress. In the third session organized by Indian colleagues, a total of eight presentations were planned in two slots. The four presentations of the first slot dealt with different topics from different parts of the world (link between voting pattern and socio-economic marginalization of some areas in Poland, renewable energy industry of Korea, changes in the Polish car market due to Covid-19 pandemic, shift in the origin of FDI from West to East in Hungary). The second part can even be called the Indian section, because all the speakers and topics were related to one of the most populous countries on Earth, India, and to the various effects of the Covid-19 epidemic (caste system, food crisis, future of Folk art, global epidemics). Two of the planned four presentations were actually delivered, which dealt with the situation of the most peripheral group of Indian society (Dalits) and the food crisis of those who migrated within India, how the epidemic affected them, and what serious consequences it had. After the presentations of the sections, a lively discussion unfolded regarding the various topics. The number of participants was especially high for the first slot, approx. 30 people.

Further planned meetings:

- IGU CDES 2023 Mini-Conference, October or November 2023, Switzerland or Taiwan.
- 35th IGU International Geographical Congress 2024, 24-30 August 2024, Dublin, Ireland.
- IGU CDES 2024 Mini-Conference, Adam Mickiewicz University, September 2024, Poznan, Poland.
- 7th Global Conference on Economic Geography, 2025, Worcester, MA, USA.

C. Networking

The IGU CDES did not engage in any collaboration with other IGU Commissions and Task Forces as well as collaboration with other international, intergovernmental, and inter- and multi-disciplinary groups in 2022.

During 2022, the CDES had no cooperative efforts with either the International Social Science Council (ISSC) or the International Council for Science (ICSU) and International Council for Philosophy and Human Sciences (CIPSH) programs.

D. Publications

1. Regular Publications:

Since long time, CDES has a very good reputation in publishing edited book and special issues in international peer-reviewed journals. CDES conferences typically result in the publication of one edited book (sometimes two) that is published as part of Routledge's (formerly Ashgate) *Dynamics of Economic Spaces* series. The Commission has already published more than 20 edited books in the series.

CDES has renewed its contract with Routledge in 2018 to publish Commission's series of *Dynamics of Economic Spaces*. Thus, now CDES has continued its very successful publishing relationship with Routledge Publishers. The book series is entitled *The Dynamics of Economic Space* (see [https:// www.routledge.com/The-Dynamics-of-Economic-Space/book-series/ASHSER1030](https://www.routledge.com/The-Dynamics-of-Economic-Space/book-series/ASHSER1030)) and the Chair of the Commission serves as the Series Editor.

In 2022, two books were published in the book series of the Commission although two of this books are not an outcome of the direct activity of the commission, actually either collaborated with and supported by the commission or just published under the Commission series but unlinked from the Commission activities. Citation of these books are following:

- Storti, L., Urso, G. and Reid, N (Eds) (2022) *Economies, Institutions, and Territories: Dissecting Nexuses in a Changing World*. Routledge.
- Rakauskienė, O. G., Štreimikienė, D., & Volodzkienė, L. (2022). *Excessive Inequality and Socio-Economic Progress*. Routledge.

Another book published in 2022 by Commission's Routledge book series as outcome of the previous year the commission conference is following:

- Heidkamp, C. P., Morrissey, J. E. and Germond-Duret, C. (Eds) (2022) *Blue Economy: People and Regions in Transitions*, Routledge.

TABLE OF CONTENT OF THE BOOK

INTRODUCTION

- 1) Blue Economy: People and Regions in Transitions

PART 1) Blue Economy - People

- 2) A Blue Economy for whom? Linking marine social sciences with blue economy discourse
- 3) Effective Stakeholder Engagement in Coastal Transitions
- 4) Community acceptance of Blue Energy
- 5) Conflicts and Communities: Marine Aquaculture and the Blue Economy
- 6) Of fragile communities and big dreams: the Finnafjörður harbour project in Northeast Iceland

PART 2) Blue Economy – Regions: Blue Economies in Place

- 7) Blue Economy and Its Geographies: The Case of Turkey
- 8) Experimentation and Enactive Research: Building a Knowledge Infrastructure for Marine Social Science
- 9) The Blue Economy, Climate, Tourism, and Social Injustice in Barbuda
- 10) Conceptualising Entangled Blue Economy and Marine Spatial Planning: Netting Blue Growth and Sustainable Seas in the UK
- 11) A Blue Economy Agenda for the Baltic Sea Region

PART 3) Blue Economy – Futures: Blue Economies in Transition

- 12) Deciding port futures: Ports of Auckland, MSP and contested ethics in Blue economy

plan making

- 13) Blue Economy Policies in the European Union: The Case of French Maritime Clusters
- 14) The Evolution of Blue Carbon: Exploring the Burgeoning Role of Macroalgae in Carbon and Nitrogen Sequestration
- 15) Strengthening Links between Industry and Academia through Transdisciplinary Action Research

CONCLUSION

- 16) Situating Just Transitions: Sustainability, Innovation, and Inclusion in the Blue Economy?

2. Commission website:

The commission's current website is accessible under the following address: <http://igucdes.ankara.edu.tr/>



E. Archival Contributions

CDES has not provided any archival materials available but would be willing to do so.

Anne

Photo 1 and 2: Welcome and Opening Talk by the Chairperson and Organizer of the IGU CDES conference in Osnabrück, Germany, 5-7 October 2022



Photo 3 and 4: A discussion and a presentation at the two sessions of the IGU CDES conference in Osnabrück, Germany, 5-7 October 2022



Photo 5: Some of the participants of the IGU CDES conference in Osnabrück, Germany, 5-7 October 2022



Photo 8 and 9: Field trip to City town of Osnabrück and Logistic Container Terminal in the Port of Osnabrück at the end of the IGU CDES conference in Osnabrück, Germany, 5-7 October 2022

C20.13 COMMISSIN ON GEOGRAPHICAL INFORMATION SCIENCE REPORT 2022

1. Membership

The GIScience commission had a steering committee of 11 members. The commission recruited 5 members in 2022. Currently, the commission has 33 members from 17 countries.

Co-chair

Fenzhen Su

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The following list provides the members' names, institutional affiliations and countries.

1	Daniel Sui	Division of Social, Behavioral and Economic Sciences, National Science Foundation	USA
2	Fenzhen Su	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences 382	China
3	Jun Xu	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China
4	Francis Harvey	Leibniz Institute for Regional Geography	Germany
5	Andrej Medvedeff	Institute for Geographie der Russian Academy of Science	Russia
6	Evelyn Uemaa	University of Tartu	Estonia
7	Shoaib Khalid	Government College University Faisalabad	Islamic Republic of Pakistan
8	Lars Brabyn	University of Waikato	New Zealand
9	Stan Geertman	Utrecht University	The Netherlands
10	Shawn Laffan	University of New South Wales	Australia
11	Itzhak Benenson	Tel-Aviv University	Israel
12	Miguel Padeiro	Institute of Geography and Spatial Planning of the University of Lisbon	Portugal
13	Damen P. Dume	Brown University	USA

14	Felix Kwabena Donkor	University of the Witwaterstrand, Johannesburg-South Africa	South Africa
15	Mohammad Abu Syem	University of Chittagong	Bangladesh
16	Motti Zohar	University of Haifa	Israel
17	Mehmet Fatih Döker	Sakarya University	Turkey
18	Masoud Minaei	Ferdowsi University of Mashhad (FUM)	Iran
19	Serafeim Alvanide	Gesis Leibniz Institute for the Social Sciences, Cologne	Germany
20	Amit Birenboim	Tel-Aviv University	Israel
21	Dharmaveer Singh	Symbiosis International (Deemed University)	India
22	Docent Juri Roosare	University of Tartu	Estonia
23	Varun Dutta Gupta	World Wide Fund for Nature, India (IGCMC Division) · Information Officer / GIS Analyst	India
24	Jyoti Dahiya	Haryana, India	India
25	Han Xiao	Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences	China
26	Levi Whitley	Unity College	USA
27	R. S. Ajin	Kerala State Disaster Management Authority	India
28	Masimalai Palaniyandi	Department of Health Research, Government of India	India
29	Pammi Nitin Sinha	National Institute of Hydrology	India
30	Hadi Karimi	PNPE Geomatics	Iran
31	Mason Rhode	University of the West of England	England
32	Bijay Halder	Vidyasagar University, Midnapore, West Bengal	India
33	Nabilah Naharudin	Universiti Teknologi MARA	Malaysia

2. Meetings

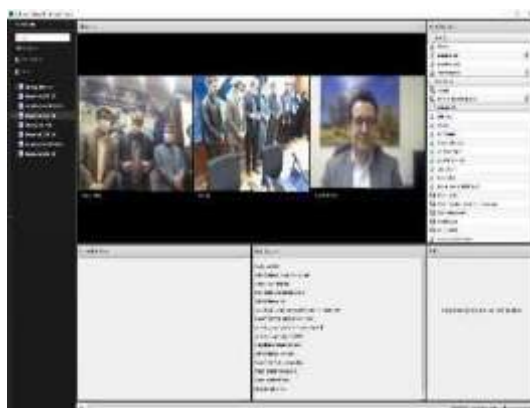
2.2. Second International conference of GIScience

2.1. Village planning workshop

Village planning workshop (Hadi's project called in Iran can be defined as a type of planning (physical, economic and social) for the next 10 years in the villages). The workshop was held with the participation of 20 postgraduate students. In this workshop, students are taught the process of conducting a Hadi's project.



The 2nd International conference of GIScience: Basis and Trans/Interdisciplinary applications was held in Dec 20, 2021.



2.3. FUM GIS Day and Geography Awareness Week



The 7th FUM GIS Day and Geography Awareness Week was held in Dec 13, 2022 with the main them of entrepreneurship in GIS and Remote Sensing: Opportunities and challenges. In this celebration the Iranians UNESCO secretary talks about GIS and Remote Sensing challenges in Iran.



2.4. Digital Twins and GeoAI workshop

The Workshop on Digital Twins and GeoAI was held on Dec. 12, 2022. The workshop was organized by Laboratory of Resources and Environmental Information System (LREIS) and International Association of Professionals in Geographical Information Science (CPGIS). Professor Fenzhen Su, as the director of LREIS and chair our GIScience Commission, attended the workshop and delivered a welcome speech.

2.5. Forthcoming meeting

We are planning the International Symposium on Spatial Data Handling and Geographic Intelligence series (SDH&GI) in 2024.

3. Networking



We built a collaboration with CPGIS this year. Moreover, the collaborations between Iranian association of GIS and Remote Sensing in Iran's northeast, Rural research Center of Ferdowsi University of Mashhad and Center for

Northeast Urban and Regional studies center in Ferdowsi University of Mashhad were established.

4. Publication

4.1. Website

The website of the commission is <http://igugis.lreis.ac.cn/>. News about the commission is published on Google group. A frame of google group was embedded in the webpage of the commission, which is located at <http://igugis.lreis.ac.cn/igu6.html>.

5. Archival Contributions

During the period in question, no archival contributions have been made.

COMMISSION ON GEOGRAPHY OF GOVERNANCE (C20.15) ANNUAL REPORT 2022

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1. Membership

2. Meetings

3. Networking

4. Research Projects

5. Publications in 2022 and forthcoming

6. Commission's website

7. Archival contributions Annex

1. Membership

1.1.- Steering Committee 2020-2024 Commission Chair

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1.2.- Corresponding members

The Commission has 650 members in 67 countries
(Table 1).

Registration form for new corresponding members
available in the Commission
website:<https://sites.google.com/site/igugeogov/corresponding-members---mailing-list>
Registration form: <https://forms.gle/aVnvSzTZyTGhNgZo8>

Table 1 - Members of the IGU Commission
Geography of Governance (1 December 2022)

Count RY	#Members	COUNT RY	#Members
ALBANIA	2	LATVIA	2
ALGERIA	6	LESOTHO	2
ANGOLA	1	LITUANIA	1
ARGENTINA	3	LUXEMBOURG	1
AUSTRALIA	7 389	MEXICO	21
AUSTRIA	6	MOROCCO	3
BELGIUM	5	MOZAMBIQUE	2
BENIN	1	NAMIBIA	1
BOTSWANA	1	NETHERLANDS	5
BRAZIL	6	NEW ZEALAND	8
BULGARIA	1	NIGERIA	5
BURKINA FASO	2	NORWAY	3
CANADA	18	OMAN	2
CAPE VERDE	7	PERU	1
CHILE	2	POLAND	79
CHINA	11	PORTUGAL	13
COLOMBIA	1	ROMANIA	12
CROATIA	10	RUSSIA	14
CUBA	1	SAO TOME AND PRINCIPE	8
CZECH REPUBLIC	14	SENEGAL	2

DENMARK	1	SLOVAKIA	10
ESTONIA	2	SLOVENIA	1
FINLAND	12	SOUTH AFRICA	22
FRANCE	26	SOUTH KOREA	4
GERMANY	36	SPAIN	14
GREECE	7	SRI LANKA	2
HUNGARY	25	SWEDEN	7
INDIA	9	SWITZERLAND	13
IRAN	3	TANZANIA	1
IRELAND	7	TURKEY	7
ISRAEL	14	UNITED KINGDOM	31
ITALY	49	UKRAINE	8
JAMAICA	1	USA	39
JAPAN	9	TOTAL	650

2. Meetings

Members of the Steering Committee organized in 2022 scientific meetings focused on themes pertaining to the core subject of the IGU Commission Geography of Governance (IGU-CGoG) and planned other meetings for the following years.

2.1.- Meetings in 2022

2.1.1.- Annual Conference of the IGU Commission Geography of Governance 2022 - 'Local Governance in a Time of Global Emergencies' - Mexico City, 29 August - 1 September 2022. Organized in collaboration with the Metropolitan Autonomous University - UAM and the National Autonomous University of Mexico - UNAM

(Website: <https://sites.google.com/view/geog309v02022/home>)

2.1.2.- IGU-UGI Paris 2022: 100^e anniversaire de la fondation de l'UGI / 100th IGU

anniversary - 'Le temps des géographes' - 'Time for geographers', Paris, 18-22 July 2022. The IGU Commission on Geography of Governance participated with 7 Sessions, most of them with several panels (one with 18 panels). The Conference proposed by the Commission in response to the "IGU Commissions Excellence Award 2020" was delivered during the IGU Centennial Congress by Verna Nel, University of Free State, South Africa (Website: <https://sites.google.com/view/igucgogparis2022/home>)

2.1.3.- Webinar _6th GeoNight // 6e Nuit de la Géographie - Webinar "Governing the Urban Night -Local Governance of the Urban Night Time", 1 April 2022, 19:00-21:00 GMT. Organized by the IGU Commission on the Geography of Governance (Website: <https://sites.google.com/view/geonight2022igucgog/program>)

2.1.4.- Webinar "Local Government in Ukraine

- Formation, Reforms, Geopolitical Implications and Post-War Recovery" - Monday, 6 June 2022, 12:00 - 16:30 GMT. Organized by the IGU Commission on the Geography of Governance (Website: <https://sites.google.com/view/lgukraine2022/home>)

2.1.5.- Webinar on 'The Response of Local Governance to the Global Climate Emergency', on 8 November 2022. Organized by the IGU Commission on the Geography of Governance (Website:<https://sites.google.com/view/lgce2022/home>)

2.1.6.- 6th International Conference 'Urban e-Planning', Lisbon, Portugal, 7 - 12 April 2022.

Supported by the IGU Commission on the Geography of Governance (Website: <https://sites.google.com/view/uep2022conference/home>)

2.1.7.- International Conference on Governance and Local Development: The African and Middle Eastern Experience. The IGU Commission on Geography of Governance participated, in partnership with the Al Akhawayn University, Morocco. (Full program: <https://drive.google.com/file/d/1SxZya0U7ITmMAgx5xqsRm9pizSn2BdZW/view?usp=sharing>)

2.1.8.- New Zealand Geographical Society Biennial Conference - 'Toitū: Geographies of Resilience', 23-25 November 2022, at University of Canterbury, in Christchurch, New Zealand. Jeffrey McNeill (IGU CGoG member of the Steering Committee) convened the session on "The resilience of New Zealand's regional level of governance" (Website: <https://www.nzgsconference2022.co.nz/>).

2.1.9.- III Demographic Congress in Poland. Understand the demographic change. Organizer: Committee of Demographic Sciences of the Polish Academy of Sciences. Warsaw on

2. Urban and metropolitan governance
3. Local Government and the 2030 Agenda: 'localization' of the Sustainable Development Goals
4. Urban, local and regional government responses to the Covid-19 pandemic: lessons

June 13 - June14, 2022. Participation of Tomasz Kaczmarek (member of the IGU CGoG Steering Committee) in the organization of the session devoted to migrations (https://konferencja.pan.pl/zmiana-demograficzna/programme_english.pdf)

2.1.10.- CERS - 8th Central European Conference in Regional Science "Resilience of cities and regions in an uncertain time". Faculty of Human Geography and Planning at Adam Mickiewicz University,

Poznań, Poland. Tomasz Kaczmarek (member of the IGU CGoG Steering Committee) was engaged in the organization (Website: <http://cers.amu.edu.pl/>).

2.1.11.- Other meetings with engagement of members of the Steering Committee in the respective organization (see details in IGU CGoG Newsletter 2/2022): Webinar QNeST project, 31 March, 2022; Round Table QNeST PLUS project 11 May, 2022; Open Day . QNeST PLUS Project and Quality Cultural Routes for Sustainable Tourism in Adriatic and Ionian regions. 10 -11 June, 2022 Minervino di Lecce, Lecce, Italy. 7th UNESCO UNITWIN Conference 2022: "World Heritage and Tourism Innovation", Slovenia, Portorose, 15-20 May, 2022; International Scientific Conference 'Music Tourism: History, Geography and Training'. Cremona, University La Cattolica. Milan, 26 - 27 September 2022.

2.2.- Brief summary of the topics addressed

In the period 2020-2024, the aim of the Commission is to explore, although not limited to, the following themes in its conferences, workshops and panels, which were also the topics proposed for the meetings held in 2022 (<https://sites.google.com/site/igugeogov/aims>):

1. Local government reforms for building resilient territories
5. Decentralization and multi-layered governance: new relations between national, regional and local government in the post-pandemic
6. Digitalization of local government and Citizen

e-Participation

7. Governance of spatial planning processes
8. Citizen participation in local and regional government
9. Administrative fragmentation and merger reforms
10. Decentralized cooperation and development
11. Inter-municipal cooperation
12. Cross-border municipal and regional cooperation
13. Climate change, the governance of complex environmental systems and the challenges for local action
14. Age-, disabled-, minorities, and gender-responsive approaches in urban, local and regional government policies
15. Administrative systems, housing, health services, and local public service delivery
16. Local government finance systems 7. Anthropocene: changes and challenges for urban, local and regional governance
18. Governance in conflict and post-conflict areas
19. Transparency, accountability, good governance, and human rights in local and regional government
20. Big Data and new digital research methods in urban governance

2.3.- Meetings planned for 2023 and 2024

2.3.1.- Annual Conference of the IGU Commission Geography of Governance in 2023 - 'Paradigm Shifts in Local and Urban Governance', Budapest, Hungary, 4-6 September 2023. The 2023 Annual Conference of the IGU Commission Geography of Governance - 'Paradigm Shifts in Local and Urban Governance' is organized in collaboration with the Centre for Economic and Regional Studies - MTACentre of Excellence, Hungary (Website: <https://sites.google.com/view/geogov2023/home>)

2.3.2.- IGU Thematic Conference on "The Ocean and Seas in Geographical Thought", University of Milano-Bicocca, Italy, 5-8 June 2023. The IGU Commission Geography of Governance is one of

the co-organizing Commissions. The session 'Local Governance and Planning of Coastal and Maritime Areas', organized in hybrid format, is convened by Carlos Nunes Silva (Chair of the IGU CGoG). (Website: <https://igu-chg-2023.unimib.it/>)

2.3.3.- IGU Thematic Conference on "Islands in Relations: Conflicts, Sustainability, and Peace", Osaka Metropolitan University, Osaka, Japan, 4-6 April 2023. Yosuke Maeda (member of the IGU CGoG Steering Committee) is member of the Local Organizing Committee. The IGU Commission Geography of Governance holds a session titled 'Adaptive island governance and climate change: The role of local government and spatial planning systems', convened by Carlos Nunes Silva (Chair of the IGU CGoG) (Website: <https://polgeog.jp/igu-tc2023/>).

2.3.4.- IGU Thematic Conference Mexico 2023 on "Urban transformations: Towards resilient cities", Mexico City, 18th to 25th of August 2023. The IGU Commission Geography of Governance is one of the co-organizing Commissions of the IGU Thematic Conference. The sub-thematic session 2 - "Local and Urban Governance: lessons from the past and prospects for resilient and sustainable development in a time of global emergencies and transitions" is organized by Carlos Nunes Silva (Chair of the IGU CGoG). (Website: <https://igumexico2023.org/>)

2.3.5.- AAG 2023 Annual Meeting, 23 - 27 March 2023, in Denver, USA. The IGU CGoG holds a virtual session, organized by Carlos Nunes Silva (Chair of the IGU CGoG), with two panels, titled 'Local and Urban Governance for more Just Geographies' (I and II). More information here:

Panel 1 - <https://aag.secure-platform.com/aag2023/solicitations/39/sessiongallery/5462> Panel 2 - <https://aag.secure-platform.com/aag2023/solicitations/39/sessiongallery/57502>

2.3.6.- 7th Conference on Urban e-Planning [Virtual], 27 - 31 March 2023, Lisbon - Portugal.

Convened by Carlos Nunes Silva (chair of the IGU CGoG), and supported by the IGU Commission Geography of Governance (Website: <https://sites.google.com/view/uep2023conference/home>)

2.3.7.- Symposium: New Zealand Local Government (online) Symposium 2023, School of People, Environment and Planning, Massey University, Monday 13 February 2023. Symposium convenor: JeffMcNeill (member of the IGU CGoG Steering Committee).

2.3.8.- Conference on 'Local Government and the Post-War Recovery in Ukraine'. The Commission is considering the organization of a Conference on this theme, in virtual format, in 2023, building on the results of the Webinar held in June 2022.

2.3.9.- Webinar on: “Agenda 2030 and sustainable development of European cultural routes. The European Routes of Emperor Charles V” , February-March 2023, organized by Anna Trono (member of the IGU CGoG Steering Committee).

2.3.10.- 35th International Geographical Congress - 'Celebrating a World of Difference', 25 – 30 August 2024. The IGU Commission on Geography of Governance will be present with themed sessions and will hold a pre-Congress meeting (website: www.igc2024dublin.org).

2.3.11.- Plan for other meetings (workshops / webinars/ conferences / panels). The Commission 'activity plan for 2023-2024 is open to include other meetings if the opportunity emerges.

3. Networking

Networking activities during 2022 improved, by comparison to 2021, as we moved gradually away from the travel and sanitary restrictions associated with the COVID-19 pandemic. We expect to return to full normal in-person activities during 2023.

5.2. Flyers, CFP and other materials published in 2022

See the Annex - list of 50 files.

5.3. Books published

Churski, Paweł & **Kaczmarek, Tomasz** (2022). Three Decades of Polish Socio-Economic Transformations. Geographical Perspectives. Cham: Springer.

4. Research Projects

4.1.- The IGU Commission continued in 2022 the development of its collaborative Action Plan and research project focused on the 'Local Government response towards the COVID-19 Pandemic', which was launched on 25 March 2020 (more information, here: <https://sites.google.com/view/igucgog-covid19/home>)

4.2.- The IGU Commission started to implement its new collaborative Action Plan and research project focused on the 'Local Governance and Climate Emergency: Strategies, Plans, Actions, Outcomes, Impacts', which was launched on October 2021 (more information, here: <https://sites.google.com/view/igucgog-climateemergency/home>)

5. Publications in 2022 and forthcoming

The list of publications pertaining to the theme of the Commission on Geography of Governance, authored and/or edited by members of the Steering Committee is below. Some of the collective works listed engage also corresponding members and some are fully based on initial contributions presented in meetings or sessions organized or endorsed by the Commission in previous years.

5.1. Newsletters published in 2022 (annex as separate file to this report)

Annex 1_IGU CGoG_(C16.12)_IGU Commission Geography of Governance - Newsletter 1/2022(January-June 2022)

Annex 2_IGU CGoG_(C20.15)_IGU Commission Geography of Governance - Newsletter 2/2022 (July-December 2022)

Silva, Carlos Nunes (Ed.) (2022). Local Government and the COVID-19 Pandemic - A Global Perspective. Cham: Springer.

Silva, Carlos Nunes (Ed.) (2022). Local Governance in Cape Verde: 1970 - 2020. Cham: Springer.

Silva, Carlos Nunes (Ed.) (2022). Trends and

Innovations in Urban e-Planning. Hershey-New York: IGI Global.

Trono, Anna; Arthur P.; Servantie A. & Sánchez García E. (Eds.) (2022). A New World Emperor Charles V and the Beginnings of Globalization. Roma: Tab Publisher.

Trono, Anna (ed.) (2022). Sustainable Tourism and Cultural Routes In the Ionian and Adriatic Regions. Roma: Tab publisher.

Trono, Anna; Duda T. & Schmude J.(eds.) (2022). Over Tourism and “Tourism Over”. Recovery from COVID19 Tourism Crisis in Regions with Over and Under Tourism. World Scientific Publ.

5.4. Book chapters

Bucek, Jan (2022). Local self-government and governance during Covid-19 pandemic in Slovakia. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Glezer, Olga; Evgeny Antonov, Sergey Safronov, Alexander Sheludkov, Kirill Strakhov, Maria Zotova, (2022). The Role of Regional and Local Governance in Dealing with the Socioeconomic Consequences of the COVID-19 Pandemic in Russia. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Kaczmarek, Tomasz & Mikula, Lukasz (2022). Presidential Elections in Poland during the Covid-19 Pandemic: An Unexpected Challenge for Political Actors and the Relationship

between National Government and Local Government. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Maeda, Yosuke (2022), Communities: Governance Theory and the Voluntary Sector. In: Yamazaki, Takashi (Ed.). 'Doing Political Geographies'. Kyoto: Nakanishiya, pp.89-104. [In Japanese]

Maeda, Yosuke (2022), Capturing the Voluntary

Sector. In Okamoto, Kohei (Supervision), Abe, Yasuhisa; Tsuchiya, Jun and Yamamoto, Takatsugu (Eds.). Geographical Research Methods Used in Academic Papers. Kyoto: Nakanishiya, pp. 55-68. [In Japanese]

McNeill, Jeffrey & Andy Asquith (2022). End of the World: New Zealand's local government and Covid-19. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Razin, Eran & Anna Hazan (2022). Local Autonomy Index 2.0 (1990-2020): Israel (ISR). In Andreas Ladner, Nicolas Keuffer and Alexander Bastianen Self-rule index for local authorities in the EU, Council of Europe and OECD countries, 1990-2020, Luxembourg: Publications Office of the European Union, 2022.

Smas, Lukas and **Schmitt, Peter** (2022) Region + planering = regionplanering - en komplicerad ekvation [Region + planning = regionalplanning – a complicated equation]. Grundel, Ida(ed.): Regioner och regional utveckling i en föränderlig tid. [Regions and regional development in times of change] Ymer: Ödeshög, pp. 42-62.

Silva, Carlos Nunes (2022). Local Government and the Covid-19 Pandemic: An Introduction. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'.

Cham: Springer.

Silva, Carlos Nunes (2022). Local Government response towards COVID-19 Pandemic in Portugal. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Silva, Carlos Nunes (2022). Introduction. In Silva, Carlos Nunes (Ed.). Local Governance in Cape Verde: 1970 - 2020. Cham: Springer.

Silva, Carlos Nunes (2022). Local Government in Cape Verde 1970-2020. In Silva, Carlos Nunes (Ed.).

Local Governance in Cape Verde: 1970 - 2020. Cham: Springer.

Trono, Anna (2022). Natural Heritage and Cultural Routes as an Engine for Post-COVID-19 Regeneration: Changes and Challenges. In: Trono A., Duda T. & Schmude J. (eds.), *Over Tourism and "Tourism Over". Recovery from COVID19 Tourism Crisis in Regions with Over and Under Tourism*. World Scientific publisher. November 2022.

Trono, Anna & Castronuovo, V. (2022). Reorganisation of businesses and processes and development of policies for safely emerging from the Covid-19 pandemic in Italy. In Carlos Nunes Silva (Ed.). 'Local Government and the COVID-19 Pandemic: A Global Perspective'. Cham: Springer.

Trono, Anna & Castronuovo, V. (2022). Network e Comunità. Processi di Valorizzazione di Antichi Tracciati nel Sud Italia. In: Still Appia a cura di Simone Quilici e Luigi Oliva, Gangemi Editore, Roma, 2022, pp.79-93.

Trono, Anna (2022). Puglia, terra di arrivo e area di transito di pellegrini verso l'Oriente. Nuove occasioni di turismo esperienziale e prospettive di turismo durevole nell'area mediterranea. In: A.M. Minutilli (ed). La Via Francigena Del Sud. Uomini, Santi, Luoghi E Mete Bari, Edipuglia, pp. 187-207.

Trono, Anna (2022). Itinerari Culturali e Turismo Spirituale. Sfide ed Opportunità della Via Francigena Salentina. In: E.N. Barile, N. Gadaleta, M. Resta (eds.) *Fede, cultura e pellegrinaggi tra Atlantico e Mediterraneo. Da Finisterre a Santa Maria di Leuca de finibus terrae*, Bari Edipuglia, pp. 223-238.

Trono, Anna (forthcoming). Religious Tourism as Economic Development Policy: The Politics of Tourism Development. In: Polyxeni Moira & D. Bozonelos (eds) *Politics of Religious Tourism*, CABI publisher.

Trono, Anna & Castronuovo V. (forthcoming). Pilgrimage Tourism, Accessibility and Local Communities in Western Countries. In: Santos Solla X.M., Prozano R.N. (eds) *Host Communities and Pilgrimage Tourism: Asia and Beyond*. Cham: Springer.

5.5. Articles in peer-reviewed international journals

Plešivčák, M.; Klobučník, M.; **Buček, Jan & Bačík, V.** (2022). Malé obce či velké města – kde mají

bližšie k svojim občanom? Geografia legitimacy moci po komunálnych voľbách. (Small Villages or Cities - Where are they Closer to their Citizens? Geography of Legitimacy after Elections of Mayors). *Sociologia*, Vol. 54, No. 3, pp.217-243.

Kaczmarek, Tomasz (2021) A Tailor-Made Metropolitan Union. Is This a Good Solution of the Metropolitan Governance Problem in Poland? *Front. Sustain. Cities* 3:724354. doi: 10.3389/frsc.2021.724354.

Kaczmarek, Tomasz; Mikula, Lukasz & Silva, Carlos Nunes (2022). Editorial: Special Issue 'New Challenges of Local Governance in Times of Uncertainty and Complexity', *Rozwój Regionalny i Polityka Regionalna* 60s: 5–8.

Jakar, G.S., **Razin, Eran** and Rosen, G. (2021) Local government going offside? The gap between planning and implementation of sport development projects, *Land Use Policy* 103. <https://doi.org/10.1016/j.landusepol.2021.105311>

Weck, Sabine; Madanipour, Ali and **Schmitt, Peter** (2022) Place-based development and spatial justice, *European Planning Studies*, 30(5), 791-806.

Borén, Thomas and **Schmitt, Peter** (2022) Knowledge and place-based development – towards networks of deep learning, *European Planning Studies*, 30(5), 825-842.

Magnusson, Dick; Fredin, Sabrina; Rickegård Anders; **Schmitt, Peter**; Trygg, Kristina (2022) Planeraresom agenter för hållbar omställning [Planners as agents for sustainable transformation].

PLAN 3-4/2022, 78-81.

Gore, Tony and **Silva, Carlos Nunes** (2020). Editorial: Instruments, Resources and Collective Action: Introduction to Special Section on Geographies of Local Governance. *People, Place*

and Policy, 14 (3), 195-198.

Gore, Tony and **Silva, Carlos Nunes** (2022). Editorial: Cultural Practices, Civic Engagement and Forms of Organisation: International, transnational and multi-level aspects of local governance.

People, Place and Policy, 15 (3), 110-116.

Silva, Carlos Nunes (2022, forthcoming). Editorial Preface: Post-Pandemic Urban e-Planning'. In *International Journal of E-Planning Research*, Vol. 11.

Castronuovo V. & **Trono Anna** (2022). Musical Festivals and Cultural Tourism the Festival Della Valle d'Itria as "Identity Heritage" for the Renewal of Heritage Tourism, In: *Journal of Tourism & Hospitality*, 2022. Vol.11 Iss.4 No:1000504.

5.6. Conference presentations

Vera Vinogradova; Alexandr Sheludkov & **Glezer, Olga** (2022). Vulnerability of the Russia's Population to Climate Risks: Spatial Dimension. Paper presented at the Webinar 'The Response of Local Governance to the Global Climate Emergency', IGU Commission Geography of Governance, 8 November 2022.

Kaczmarek, Urszula & **Kaczmarek, Tomasz** (2022). The idea of Cittaslow as a small town development strategy. Experiences from Germany, Italy and Poland. Paper presented at IGU Centennial Congress, Paris, 18-22 July 2022.

Maeda, Yosuke (2022). Spatial Structure and Communities of 'Local Cities': Lessons from Some Cities in Niigata Prefecture. Presentation at the 294th Regular Meeting of The Human Geographical Society of Japan on 'Sustainability of Local Cities', Matsumoto, Japan, 25 June 2022. [In Japanese]

McNeill, Jeffrey (2022). The reliance on New Zealand's regional government. Oral presentation, New Zealand Geography Society Conference, Christchurch.

Pálné Kovács, Ilona (2022). Governance challenges in peripheral areas. Paper presented at

IGU Centennial Congress, Paris, 18-22 July 2022.

Hazan, Anna & **Razin, Eran** (2022). Municipally Owned Corporations in Israel: The pursuit of Flexibility and Local Initiative in a Centralized Context. Paper presented at IGU Centennial Congress, Paris, 18-22 July 2022.

Razin, Eran & Lihi Luzon-Beranan (2022). Local Government Finance and Urban Development in Israel: Will Covid-19 Create an Opportunity for Reform? Paper presented at IGU Commission Geography of Governance Annual Conference, Mexico City, 29 August - 1 September.

Silva, Carlos Nunes (2022). Local Government in the Lusophone African Countries: Stability, Variability, and Innovation. Paper presented at IGU Centennial Congress, Paris, 18-22 July 2022.

Trono, Anna (2022). The role of governance in managing UNESCO WHSs. The case study of The Trullio of Alberobello, a UNESCO world heritage site in Italy. Paper presented at IGU Centennial Congress, Paris, 18-22 July 2022.

5.7. Book reviews & Conference Reports

Silva, Carlos Nunes (forthcoming). Conference Report 'The 5th and 6th International Conference on Urban e-Planning, 2021 and 2022'. In *International Journal of E-Planning Research*, Vol. 11.

Silva, Carlos Nunes (forthcoming). Book review 'United Nations E-Government Survey 2022 - The Future of Digital Government'. In *International Journal of E-Planning Research*, Vol. 11.

5.8. Special Issues in peer-reviewed international journals

5.8.1.- Two special issues in the journal 'People, Place And Policy', co-edited by Tony Gore (University of Sheffield, UK) and Carlos Nunes Silva (University of Lisbon, Portugal): Volume 14 - Issue 3 (2020); and Volume 15 - Issue 3 (2022).

5.8.2.- Special issue in the journal 'Rozwój Regionalny i Polityka Regionalna': Kaczmarek, Tomasz; Mikula, Lukasz & Silva, Carlos Nunes

(2022). Editorial: Special Issue 'New Challenges of Local Governance in Times of Uncertainty and Complexity', *Rozwój Regionalny i Polityka Regionalna* 60s:5–8. Commission's web site

The current accurate URL of the commission's web site is this: <https://sites.google.com/site/igugeogov/>

Besides information about current and future activities, the site serves also as on-line archive of the Commission with all newsletters and information on past steering committees, meetings, publications, and photo galleries related to the commission activities.

The Commission is also associated with a blog and a mailing list focused on issues of local government and local governance:

The blog address is: <http://igugeogov.blogspot.pt/>

The mailing list address is: <https://sites.google.com/site/igugeogov/mailling-list>

ANNEX TO THIS REPORT (50 documents, as separate files)

Annex 1_IGU CGoG Newsletter 1/2022 (January-June) Annex 2_IGU CGoG Newsletter 2/2022 (July-December) Annex 3_IGU-CGoG Action Plan on the Covid 19 Pandemic

Annex 4_IG CGoG Action Plan on Local Governance and Climate Emergency Annex 5_Book Local Governance in Cape Verde_cover Annex 6_Editorial_People, Place and Policy (2020) 143, pp. 195- 198

Annex 7_Editorial_People, Place and Policy (2022) 153, pp. 110-116 Annex 8_GEONIGHT 2022_Poster Webinar

Annex 9_GEONIGHT 2022_Introduction to Webinar Annex 10_GEONIGHT 2022_Program Webinar

Annex 11_IGU CGoG_WEBINAR UKRAINE LG 2022_Flyer

Annex 12_IGU CGoG_WEBINAR UKRAINE LG 2022_Introduction to Webinar Annex 13_IGU

6. Archival Contributions

All newsletters, flyers, conference programs were sent, as has been usual, to the IGU Secretary General and also to the IGU Archive at the University of Leipzig, in December 2022 (50 documents - see list in the Annex in last page of this report). The Commission website has also a digital archive of the Commission. This archive provides online open access to all newsletters, to the photo gallery of the meetings organized by the Commission, to the list of conferences and publications, membership, its aims and research themes, as well as an historical overview of the Commission.

This report is structured following the instructions of the IGU Executive Committee. Lisbon, 10 December 2022

Carlos Nunes Silva

Chair of the IGU Commission Geography of Governance (C20.15) Institute of Geography and Spatial Planning, University of Lisbon, Portugal
CGoG_WEBINAR UKRAINE LG
2022_Program

Annex 14_IGU CGoG_WEBINAR UKRAINE LG 2022_CFP(English) Annex 15_IGU CGoG_WEBINAR UKRAINE LG 2022_CFP(French) Annex 16_IGU CGoG_WEBINAR CLIMATE EMERGENCY_Opening Annex 17_IGU CGoG_WEBINAR CLIMATE EMERGENCY_CFP(English) Annex 18_IGU CGoG_WEBINAR CLIMATE EMERGENCY_CFP(French)

Annex 19_IGU CGoG 2022 Annual Conference _CFP(English) Annex 20_IGU CGoG 2022 Annual Conference_CFP(French)

Annex 21_IGU CGoG_COMMISSION PRESENTATION_ANNUAL CONFERENCE 2022

Annex 22_IGU CGoG Annual Conference 2022_Program Scheme Annex 23_IGU_CGoG 2022_PROGRAM FULL

Annex 24_IGU_CGoG 2022_ABSTRACTS

Annex 25_IGU_CGoG 2022_POWERPOINTS

Annex 26_IGU-CGoG 2022 Opening Session

Annex 27_ IGU CGoG_CFP (English)
SESSIONS PARIS CENTENNIAL CONGRESS
2022 Annex 28_ IGU CGoG_CFP (French)
SESSIONS PARIS CENTENNIAL CONGRESS
2022

Annex 29_ IGU CGoG PARIS_Session
A101370CN Scheme Annex 30_IGU CGoG
PARIS_ SESSION IGU 2022_101370

Annex 31 _IGU CGoG PARIS_Session
A101370CN_23 07 2022

Annex 32 _IGU CGoG PARIS_Session
A101387RH_06 07 2022 Annex 33_ IGU CGoG
PARIS_Session A101448FB_06 07 2022 Annex
34_ IGU CGoG PARIS_Session A101467AT_14
07 2022 Annex 35_IGU CGoG PARIS_Session
A101495CL_06 07 2022 Annex 36_IGU CGoG
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CONFERENCE_flyer

COMMISSION ON INFORMALITY, SOCIAL CHANGE AND DEVELOPMENT (ISCD) ANNUAL REPORT 2022

Introduction

Informality, Social Change and Development (ISCD) is a new IGU commission established in July 2021. A plain fact that stimulated the commission proposal is that today 1 billion people or 13% of global populations live in informal settlements and 2 billion people or 61% of global workforces make their livelihoods in informal economies. Informality, and its connections with issues of poverty, precarity, gender, migration, exclusion, inequality, decent work, governance and innovation, have become areas of research of multiple disciplines, including geography, sociology, economics, politics and urban studies. Moreover, international organizations, such as the UN-Habitat, International Labor Organization and the World Bank, have defined informality as a concern of policy for global sustainable development. The ISCD commission is established in time to advance the global understanding of economic, social, political and spatial dimensions of informality. It aims to bring together social, economic, political and urban geographers to promote intersectional research on the connection between informality, social transformation and development under global changes. The commission aims at advancing theories on inclusive development, shaping new visions on and approaches to just, equal and sustainable societies and cities. The commission is dedicated to the following objectives:

- a) Promote the advancement of theories on work, employment, housing, governance, planning and social sustainability through critical research of various informalities;
- b) Strengthen comparative research and transdisciplinary communication on forms, dynamics, processes and geographical implications of informalization and social transformation in the

global South and North.

- c) Advance the communication on successful practices of inclusive and sustainable social development and promote mobilities of good policies between countries.
- d) Inspire new visions on and approaches to inclusive, equal and sustainable societies and cities.
- e) Enhance the exchange between academic researchers (from multiple disciplines) and non-academic actors/experts from international organizations for building sustainable societies and cities.

Since we received the letter of decision on constructing the commission in November 2021, we have done work on building the steering committee, organizing academic meetings and virtual lectures, making connection with other groupings and launching journal special issue. However, the COVID-19 pandemic imposed considerable constraints on the commission's work. We hope to promote the commission more substantially in the future with the end of the pandemic.

1. Membership

1A. Steering Committee

The steering committee of the ISCD commission consists of 9 members at the present. They are from different regions over the world, including Europe, Asia, Africa, North America and Latin America (Figure 1). The commission plans to increase three or four members from the regions of Southeast Asia, Middle-East, North Africa and South America to broaden regional coverage of the steering committee.

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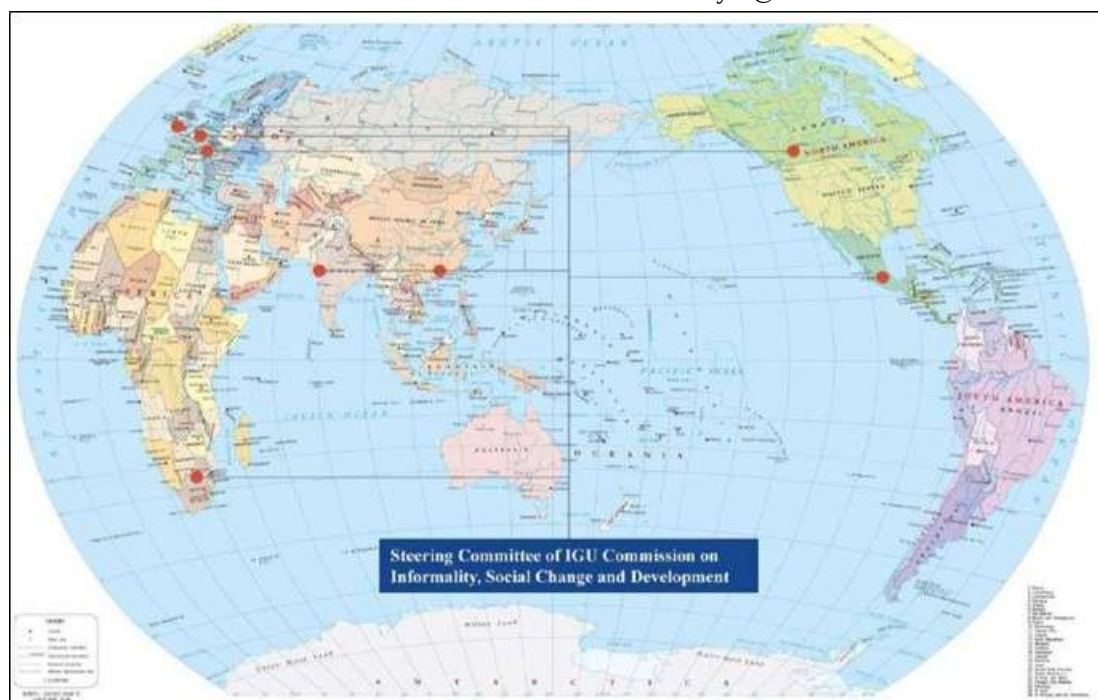


Figure 1: Regional representatives of the ISCD's steering committee in 2022

1B. Commission corresponding members

The list of corresponding members is being built.

2. Meetings

2A. Meetings organized, co-organized and sponsored by the commission

2A1. Session in Paris 2022 International Geographic Union Centennial Congress

Unfortunately, the COVID-19 lockdown policy in China impacted the implementation of the proposed session organized by the commission. We tried to make an on-site commission meeting in Paris as it was the first show of the commission.

But it was disabled by the international travel regulation of China where the chairperson of the commission comes from.

2A2. Session in the First Conference on World *Sustainable Development* in the First Conference on World Geography, sponsored by The Geographical Society of China in Shanghai, China, 27 November 2022. Due to the impact of COVID-19 pandemic, the session was proceeded via online virtual platforms. The goal of the session was to advocate research and dialogues on new social changes, social phenomena and social issues from an international comparative perspective, adopting new theoretical perspectives and methods and innovating theories, concepts and methods on social geography. The session was set to include the following topics: globalization and intra-urban spatial structure, urban renewal and gentrification, digital technology and virtual social space, war, disaster and refugee camps, urbanization and migrants' settlements, ageing and communities of the elderly, global mobility and international migrant communities, informalization and socio-spatial production, rural revitalization and rural social reconstruction, social integration and spatial governance.

2B. A brief summary of the topics addressed at each meeting

In the session of Urbanization, Social Transformation and Sustainable Development, we received 43 papers and accepted 15 of them. These 15 papers were focused on the social

Geography

The ISCD Commission hosted a session on *Urbanization, Social Transformation and*

transformation and development of world urbanization, engaged in theoretical and methodological discussions on human settlements, rural-urban migration, international migrants' community, urban renewal, residential segregation, social integration, as well as carbon emission reduction, circular economy and smart urban waste reduction. They proposed new perspectives and directions for social geography and sustainable development research. Speakers were from Peking University, Nanjing University, Sun Yat-sen University, Wuhan University, Fudan University, Southwest University, Nanjing Normal University and other universities and research institutions. About 100 scholars and researchers from different universities and institutes attended the session.

2C. Lectures

The commission organized 14 lectures via virtual platforms as a response to the impact of the pandemic on academic activities. These lectures were given by international scholars invited by the commission. Topics included geographical discipline, migration, social care, aging society, regional development, planning, environment, shared economies, and smart cities (Table 1).

Table 1 Virtual online lectures organized by the commission in 2022

Number	Topic	Speaker
1	The future of geography: An international perspective	Michael Meadows University of Cape Town, South Africa Nanjing University, China
2	Measuring and forecasting migration with traditional and novel data	Arkadiusz Wisniowski University of Manchester, UK
3	How to make smart cities smarter	Anthony G.O Yeh Hong Kong University, Hong Kong, China
4	Macau and the Greater Bay Area: Deeper integration and dual circulation economy	Jose Luis de Sales Marques Institute of European Studies of Macau, Macau, China
5	Understanding Macanese's	Margarida Cheung Vieira

	transformation in the Macau context	Institute of European Studies of Macau, Macau, China
6	Health and social care for older people	Mei Champ University of the West of England, UK
7	How to publish journal papers in health geographies	Jamie Pearce University of Edinburgh, UK
8	Healthcare systems of the United Kingdom - benefits and disadvantages	Mei Champ University of the West of England, UK
9	Mobility-based Geographies of Health	Marco Helbich University of Utrecht, Netherlands
10	Shared and circular economy and its geographies in UK	Robert Huggins Cardiff University, UK
11	Solving environmental problems by urban planning	Richard Cowell Cardiff University, UK
12	Environmental policy and environmental geographies in UK	Andrew Flynn Cardiff University, UK
13	Comprehensive study of Lanstad region, Netherlands	Dick Ettema University of Utrecht, Netherlands
14	Jobs-Housing Balance and New Town Development	Anthony G.O Yeh Hong Kong University, Hong Kong, China

2D. Future events

2D1. Business meeting of the commission

The ISCD's steering committee plans to make a business meeting in February 2023. In the meeting, the committee will discuss the work plan of the commission in the future. 2D2. The commission's 2023 Annual Conference

The first annual conference of the commission will be held in November 2023 in Guangzhou, China. The chairperson of the commission is the organizer of the first conference. The theme will be "Geographies of Social Transformation and Sustainability under Global Change". The conference pays attention to the social transformation, its geographical processes, consequences and impacts and challenges to sustainable development in the contexts of recent global dynamics such as the post-pandemic globalization, flexible capitalist accumulation, international trade conflicts, broader geopolitical instability, and climate change. The topics include

but not limited to precarity, informal urbanism, platform workers, socio-spatial restructuring, urban regeneration, aging society, local and international migration, refugees, gentrification, socio-spatial divisions, social upgrading, sustainable social development, and so on. With the aim to promote interdisciplinary communication and collaboration, the conference welcomes participants from the disciplines of geography, sociology, economics, politics and urban studies.

2D3. Session in the 35th IGC 2024

The 35th International Geographical Congress will be held in August 2024, Dublin, Ireland. The theme of the congress is "Celebrating a World of Difference". The commission will submit a session proposal that echoes the theme during May to September 2023 when the call for sessions is open.

2D4. Virtual Academic Forum

The commission is planning to construct a virtual academic forum by inviting scholars and researchers to give speeches online, with the aim to promote the spread of scientific research and knowledge. Speeches will be announced in the commission's website.

3. Networking

3A. Links with other IGU Commissions and taskforces The commission has built close relation with the commission on Agricultural Geography and Land Engineering. In next years, it will build connection with the commissions on Marginalization, Globalization, and Regional and Local Responses, Population Geography, Urban Commission: Re-thinking cities and the urban: from the global to the local, and Gender and Geography: Care, Connection and Change.

3B. Collaboration with other International and Inter-disciplinary Groupings

The commission has built collaboration with the Asian Geographical Association, the Urban Geography Commission of the Geographical Society of China (GSC), the Cultural Geography Commission of GSC, the Guidance Committee for Teaching of Geographical Science in Higher Education, Ministry of Education, China, and the Informality Research Observatory at Cardiff University, UK. In the future, the commission will build networks with the UN-Habitat and the global research network of informal economy the Women in Informal Employment: Globalizing and Organizing (WIEGO).

3C. Cooperative efforts with ISSC (International Social Science Council) and with ICSU (the International Council for Science) programs

The commission has no direct connection with the ISSC and ICSU at the present. **Publications**

4A. Newsletters, special journal issues, and books (please provide complete citations for all publications).

4A1. Special journal issues

The commission has launched a special issue in the International Journal of Environmental Research and Public Health. The leading guest editor is the

member of the steering committee Gengzhi Huang. The topic of the special issue is "Urbanization in Transition and Coordinated Regional Development: Challenges under Global Change". For detailed information about the issue, see the following web page: https://www.mdpi.com/journal/ijerph/special_issue/s/6KH9HW72S7

4A2. Journal papers and book chapters

- Yu Yi, Xue Desheng*. The paradox of care: Emotional labor in Chinese state-owned social welfare institutions. *Annals of the American Association of Geographers*, 2022, 1-16 (online first).
- Tan Yiming, Xue Desheng*, Zhang Bo. Neighbor interactions and settlement intentions of African Migrants in urban China: A case study of Guangzhou. *Population Space and Place*, 2022, 28(6): e2554. .
- Wang Bo, Lei Yaqin, Xue Desheng, Liu Jixiang, Wei Chunzhu. Elaborating spatiotemporal associations between the built environment and urban vibrancy: A Case of Guangzhou City, China. *Chinese Geographical Science*, 2022, 32(3): 480-492. (SCIE)
- Lin Liying, Xue Desheng, Yu Yi*. Reconfiguration of cultural resources for tourism in urban villages—A case study of Huangpu Ancient Village in Guangzhou. *Land*, 2022, 11(4): 563.
- Li Xiaowen, Tan Yiming, Xue Desheng*. From world factory to global city-region: The dynamics of manufacturing in the Pearl River Delta and its spatial pattern in the 21st century. *Land*, 2022, 11(5): 625
- Huang Gengzhi, Xing Zuge, Wei Chunzhu, Xue Desheng* (2022). The driving effect of informal economies on urbanization in China. *Journal of Geographical Sciences*, 32(5): 785-805.
- Huang Gengzhi*, Zhang Xiaolin, Zhang Shenyuan, Wang Shuoyi. (2022). Where in China is the labour unrest rising? Visualising workers' collective actions in mainland

- China. *Environment and Planning B: Urban Analytics and City Science*, 49(7), 2029-2031.
- Huang Gengzhi, Yang Yanshan, Lei Yubing, Yang Jiangmin (2022). Differences in subjective well-being between formal and informal workers in urban China. *International Journal of Environmental Research and Public Health* (in press)
 - Chen Siyue, Huang Gengzhi*, Zhang Hongou, Ye Yuyao, Wu Qitao (2022). Does China's direct investment in ASEAN have institutional preference from the perspective of investment motivation heterogeneity?. *Journal of the Asia Pacific Economy*, 1-25 (online first).
 - MacKie P., Brown A. M. B., Mehmood A., Ahmed S. (2022). Multi-dimensional conflict and the resilient urban informal economy in Karachi, Pakistan. *International Development Planning Review*, 44(2): 169-189.
 - Smart A., Curran D. (2022). Prospects and Social Impact of Big Data Driven Urban Governance in China: Provincializing Smart City Research. In: Weiping Wu, Qin Gao(eds.). In *China Urbanizing: Impacts and Tra⁴⁰n⁵sitions*. Philadelphia: University of Pennsylvania Press, 205-227.
 - Alizadeh H., Bork-Hüffer T., Kohlbacher J., Mohammed-Amin R. K. & K. Niami (2022). The contribution of urban public space to the social interactions and empowerment of women. *Journal of Urban Affairs*, 1-24.
 - Bork-Hüffer T. (2022). Digital media, friendships and migrants' entangled and non-linear inclusion and exclusion. *Urban Studies*, 59(16), 3330–3346.
 - Mählknecht B, Bork-Hüffer T. (2022) 'She felt incredibly ashamed': gendered (cyber-)bullying and the hypersexualized female body. *Gender, Place & Culture*, 1-23.
 - Kulcar V, Bork-Hüffer T., Schneider A. M. (2022). Getting Through the Crisis Together: Do Friendships Contribute to University Students' Resilience During the COVID-19 Pandemic?. *Frontiers in Psychology*, 13, 880646.
 - Darshini Mahadevia.(2022). Housing in Smart City—The Emperor has No Clothes In: Amitabh Kundu, Tomaz Ponce Dentinho, Habibullah Magsi, Kanika Basu, Sumana Bandyopadhyay (eds). *Accessible Housing for South Asia*. Berlin: Springer-Verlag, 203-223 Mahadevia D., Debolina Kundu, Remy Sietchiping and Michael Kinyanjui (2022). Developing National Urban Policies: Ways Forward to Green and Smart Cities. *Indian Journal of Labour Economics* 65, 571–573. 4A3. Books
 - Xue D S, Zhu H, Wei C Z, Cai X M, et al. Reports of social and economic development in the countries and regions surrounding the South China Sea. Guangzhou: Sun Yat- sen University Press, 2022.
 - Xue D S, Liu Y, Dietrich S, Li Z F. Pedagogy of International Geography Excursions: Field Courses in Germany. Guangzhou: Sun Yat-sen University Press, 2021.
 - Xue D S, Huang X, Jan van Weesep. Pedagogy of International Geography Excursions: Field Courses in Netherlands and Belgium. Guangzhou: Sun Yat-sen University Press, 2021.
 - Xue D S, Liu C, Rita Schneider-Sliwa. Pedagogy of International Geography Excursions: Field Courses in Switzerland and Upper Rhine Valley. Guangzhou: Sun Yat-sen University Press, 2021.
- 4B. The current accurate URL of the commission's web site The commission's website is being constructed.

5 Archival Contributions

Publications were sent to IGU secretary general upon publication.IGU-Commission

C20.21 COMMISSION ON GLOBAL UNDERSTANDING REPORT 2022

The Steering Committee started in 2022 with the implementation of the agreed working program. The main focus was on the translation of the two main program lines: socio-cultural and regional aspects of global sustainability, and the global urbanization process. The first application was of course the commission's contribution to the Centennial International Geographical Congress (IGC) in Paris. The topical framework of the proposed sessions has been set up by specific working groups Steering Committee.

Another major set of activities was focusing the implementation of The Jena Declaration, initiated by the commission's chair and strongly endorsed by IGU, together with the Canadian and German Commissions for UNESCO, the International Council for Philosophy and the Human Sciences (CIPSH), The Club of Rome, the World Academy of Art and Science, the Academia Europaea, and many others, especially an impressive number of UNESCO Chairs from around the world. The campaign of broadening its support and implementation has made considerable progress in the reporting period.

Due to the Corona pandemic, in the first part of the year especially, the activities of the commission have been performed mostly in the form of online conferences, workshops, and committee meetings in 2022. In addition, the working process was – at least partly – slowed down by the fact that we were still not able to fill the position of the commission's secretary. Despite these difficult circumstances, the commission achieved a quite considerable number of important results, especially in respect of the considerable broadening of cooperation with international science organizations, UNESCO and other UN organizations, knowledge networks, and topically relevant NGOs.

Fortunately, the position of the commission's secretary will be taken over by Dr. Luis Peña from January 1st, 2023. Dr. Peña was from 2016-20 – then as a researcher at the University of Columbia at Bogota – already a member of the commissions Steering Committee. I'm very pleased to fill the position after more than a year of vacancy with such a competent colleague.

In the face of a multitude of global challenges and growing nationalistic forces, the concept and perspective of Global Understanding gain more and more importance. The central role of geography in the constituting process of world images and representations is calling for a highly active engagement to strengthen the voice of the human, social and natural sciences as well as the integration of all of them for the benefit of all citizens. The commission will be happy to contribute to this in the upcoming years.

Benno Werlen (Chair) 2022-15-12

Membership

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With The Jena Declaration, the commission's newsletter has a considerable number of new corresponding members. The total number is now 1.967. Nationalities are as follows:

Argentina	18
Australia	22
Austria	21
Belgium	34
Brazil	37
Canada	20
Chile	12
China	23
China-Taipei	38
Czech Republic	10
Denmark	9
Finland	11
France	54

Germany	371
Hongkong	9
India	22
Israel	5
Italy	47
Japan	41
Korea (South)	10
Luxembourg	6
Netherlands	16
New Zealand	9
Norway	10
Poland	11
Portugal	30
Russia	13
South Africa	222
Spain	25
Sweden	13
Switzerland	61
United Kingdom	47
United States	22
Not specified	668

B. Commission's Program Lines

In four online meetings with all participants of the Steering Committee (on 15.12.2020, 08.03.2021, 25.03.2021, and 12.04.2021) we discussed and settled the commission's guidelines and program. The agreed paper is based on three meetings of each group to specify their part- program. It finally led to a synthesized program paper with working themes for the years to come. These shall be implemented by four guiding principles:

- First, to include the social and cultural dimensions coherently into sustainability research and cooperation as well as urban research from a global perspective.
- Second, sustainability is not primarily an environmental issue, but rather a societal and cultural.
- Third, the inclusion of the citizens into

sustainability and urban research and policies is a fundamental prerequisite, asking for the co-production of knowledge for transformative policies.

- Fourth, the research interest in technological problem-solving is complemented by bottom-up-based problem-avoiding strategies from a global perspective.

The vantage points for coherent implementation of the commission program shall be two main questions: How do the different challenges of sustainability look from different locations/contexts? How new forms of communication transmission of information are affecting global understanding?

It has been agreed that these programmatic outlines shall be continuously implemented by the two working groups over the next years: urban research from a global perspective and global sustainability, stressing the need for reaching audiences. All in all, the work of the commission will focus on – directly or indirectly – implementing these two topics: global urbanization & societal transformation towards global sustainability, through engagement in research and the promotion of learning programs.

To this, a series of online and onsite events are planned for the coming two years as a kind of launch event of global understanding in the framework of The Jena Declaration, together with its partners. The first one will focus on the Americas (spring 2023), the second on Asia and Oceania (autumn 2023), Africa (winter 2023/24), and finally the Arabic countries (spring 2024). These events will not only be addressed to academic audiences but also include people with practical experience in the field of sustainability transformations and/or affected communities. By this, the commission's work shall be orientated toward answering its key question: How different do the challenges of sustainability look from different locations/contexts? The events shall also be seen as a platform for giving a voice to people who are affected by the crisis and representing their experiences and knowledge.

For the preparation of these events first, a new,

interactive TJD website will be launched in early 2023. To be able to interconnect engaged citizens together with human, social and natural scientists we applied the framework of TJD by the Belmont Forum for the support of a “Sustainability Action Platform” with four hubs for Americas, Asia, Northern, and Central/Southern Europe. The third (potential) element for this is the integration of TJD into the German Future Center proposed and sponsored by the German Government (1 Bio € over 20 years). The commission’s chair has been asked to organize and coordinate the international support for the center. More than twenty partners, including the president of the IGU and most of the other founding partners of TJD, have responded positively. At the moment the competition between four finalist cities is in its final stage, and the jury’s decision will be public in the first quarter of 2023.

B. Meetings and Events

Cultures for Sustainable Futures, International UNESCO Chair Conference, Jena, May 11-13, 2022

What can our lives - and our living together, imbued with sustainability - look like in the future, so that we no longer destroy our livelihoods? This question was the focus of this UNESCO Conference organized by the commission’s chair. From May 11 to 13, more than 60 international scientists, especially UNESCO chair holders from all continents and representatives of international organizations such as the Club of Rome, World Academy of Art and Science, UNESCO Paris, Italian, and German Commission for UNESCO, but also representatives of the German Foreign Ministry have met.

Centennial International Geographical Congress (IGC) in Paris

Our commission was represented in the scientific committee of the IGC by its chair. As a result of a careful and extended discussion in the Steering Committee, the commission has submitted 2 thematic proposals to the organizers. The first one, entitled "Cultural and Regional Dimensions of Global Sustainability" (chair: Benno Werlen, Co-Chair: Enrique Aliste) was foreseen for the more open session series. The second, dedicated to the

scientific part was entitled "Sustainability From the Margins. New Perspectives on Current Global Challenges" (Chair: Enrique Aliste, co-chair: Benno Werlen). Both proposals were accepted. All in all, we got about 60 applications, and we selected a considerable number of them for the final five sessions (2 for the first, 3 for the second topic) in total. The sessions were attended foremost by the speakers and the discussion could have been livelier. For health reasons, Prof. Aliste chaired all five sessions onsite.

Presentations and Participations

By Prof. Dr. Enrique Aliste

- International Geographical Congress, Paris July 18-23, 2022. Sustainability From The Margins. New Perspectives On Current Global Challenges (Three sessions); Cultural And Regional Dimensions Of Global Sustainability (two sessions).

By Prof. Dr. Katja Vintar Mally

- Contaminated sites. International Conference, Senec, Slovak Republic, 12-14 October 2022
- Sustainaware Summer School on Climate Change and Sustainability and International Youth Climate Summit, Ljubljana, 4–8 July 2022.

By Prof. Benno Werlen

- “The Jena Declaration”, International UNESCO Chairs Forum at Expo Dubai: The Futures of Higher Education: Collective intelligence for knowledge and learning, Dubai, January 24, 2022
- Discussant, GRID Heritage India: Rethinking Heritage and Marginality Today: Crafts, Threads and Echoes, Delhi, February 18-19, 2022
- “Global Understanding”, ‘Digital Games for Global Peace Showcase: Creativity, Innovation, & Resilience’. UNESCO Mahatma Gandhi Institute for Peace, Delhi, February 24
- “Cultural and regional dimensions of global sustainability”, EC2U Forum on UN SDGs, Digital Education, Research & Innovation,

Pavia, April 4-7, 2022

- “Perspectives of Global Sustainability” at ‘RWYC - Reconnect With Your Culture’, 2nd Intercontinental Seminar: Culture: – Key to Systemic Change and Sustainable Development, Jakarta, April 23, 2022
- “Cultures for Sustainable Futures”, International UNESCO Chairs Conference, Friedrich Schiller University Jena, May 11-13, 2022
- “The Jena Declaration. Implementing the findings of basic research into practice”, Moonshot, Munich, May 18-21, 2022
- “Arts, Culture, Region & Sustainability”, ‘Arts Promotion Center Finland TAIKE and the Regional Council of Päijät-Häme Finland’, May 28, 2022
- “The Cultural Dimensions of Sustainability”, ‘Conversation with D. Paul Schafer on Culture as Reality’, Toronto, September 8, 2022
- “Making Sense of the World – From the Local to the Global”, ‘The Global Citizenship Convention’, Friedrich Schiller University Jena, October 13-21, 2022
- “The Jena Declaration and Global Understanding”, World Capital Institute, General Assembly, Mexico City, November 4, 2022
- “Sustainability Action Platform”, ‘Future Earth SSCP KAN’, Online Conference 2022; November 17, 2022
- BRIDGES COP27: Just & Resilient Global Futures, November 17, 2022
- “Global sustainability and the Mobilization of Knowledge for Deep Societal Transformations”,

Lecture Series of the German Commission for UNESCO, November 30, 2022 **Networking**

World Academy of Art & Science (WAAS)

As currently the only geographer being a WAAS fellow, commission chair Benno Werlen continues to reach out to strengthen links of the Academy

with the IGU and all geographer project leaders in its topical field of. Again, The Jena Declaration is an important door opener for new cooperation like the Human Security for All (HS4A) projects, jointly with the UN Headquarters in New York (s. below), and the “Future Education” with its ongoing conference program.

Participation in conferences on the role of education in societal transformation is one of the possibilities to raise awareness for the competencies of geographers and the crucial role of geography in the sustainability curricula on the global as well as regional level.

International Council for Philosophy and the Human Sciences (CIPSH)

The commission chair Benno Werlen presented The Jena Declaration @ XXXV General Assembly of the International Council for Philosophy and Human Sciences Odense, Denmark on December 16, 2021. This invitation to the General Assembly allowed us to present The Jena Declaration to the presidents and secretaries of the member unions and organizations of CIPSH. This led subsequently to the broad support of TJD in the course of 2022 by 10 international member unions of CIPSH, covering quite a broad field of the humanities.

International Science Council (ISC)

Based on the cooperation at the International Conference on “The Humanities and Social Sciences for Sustainability” and several follow-up events, cooperation with the ISC is continuous. The request for an official endorsement is still pending.

UN Head Quarter (UNHQ), New York

End of December 2021, the UNESCO Chair, TJD together with it the IGU commission have been invited by the president of WAAS to cooperate in the programming global survey on “Human Security for All (HS4A)”, to be implemented with the Section for Human Security of UNHQ. On October 1, 2022, WAAS commenced formal collaboration with the United Nations Trust Fund (UNTFHS). This one-year campaign will reach out

to decision-makers, institutions, and the public around the world to promote a comprehensive, integrated, person-centered approach to enhance the security, human rights, and sustainable development of people everywhere. With this, HS4A changes the so far applied top- down strategy (diplomacy) towards a bottom-up approach. In sum, the campaign is designed according to the principles of the IYGU and TJD. Through the commission, this could open the IGU prominent access to an important UN campaign.

The establishment of the UNESCO Chair on Global Understanding for Sustainability was based on the IYGU and IGU Commission on Global Understanding. The contract with UNESCO is running until March 2026. This contract is the basis for cooperation with the UNESCO Chairs network and other UNITWIN Networks. This cooperation opens access to the network of more than 900 UNESCO Chairs, more than a hundred topical UNITWIN networks, many of them engaged in the field of sustainability, as well as to national commissions for UNESCO. In 2022 the cooperation with these networks could be consolidated, especially through the commission key project, The Jena Declaration. Italy and UNESCO jointly organized the International UNESCO Chairs Forum on the Futures of Higher Education to mark the International Day of Education 2022 at Expo 2020 Dubai on January 24. The Jena Declaration has been presented as a partnering project of the Italian UNESCO Chairs Declaration for Sustainability. The Forum fits within the overall framework of UNESCO's Futures of Education initiative which seeks to generate an agenda for global debate, research, and action on the futures of education, learning, and knowledge in a world of increasing complexity, uncertainty, and precarity. To be present in it has certainly a high value for the IGU and the commission.

National Commissions for UNESCO

The commission's chair presented the global understanding approach in his contribution "Global sustainability and the Mobilization of Knowledge for Deep Societal Transformations" to the 2022 lecture series of The German Commission for UNESCO – a celebration the 30th anniversary of the UNESCO Chair network.

The collaboration with the Italian national Commission for UNESCO was established through

'Dialoghi delle Cattedre Italiane. The Italian network of UNESCO Chairs. The cooperation with that chairs network – established in 2021 – and its declaration on sustainability could be intensified on several occasions throughout the year, especially at the Expo 2022 Dubai. Italy commission and UNESCO – represented by Stephania Giannini, Assistant Director General for Education – organized jointly the International UNESCO Chairs Forum on the Futures of Higher Education to mark the International Day of Education 2022 at Expo 2020 Dubai on January 24. The Forum fits within the overall framework of UNESCO's Futures of Education initiative which seeks to generate an agenda for global debate, research, and action on the future of education, learning, and knowledge.

National Cooperation

Prof Shangyi Zhou participated in the Chinese evaluation meeting of geographical indication products held in Panshi City, Liaoning Province, China, on January 15, 2022. It was to discuss ecological environment development and agricultural development in the city. The water quality of Panshi Reservoir is high. The Chinese Academy of Sciences has a water quality inspection station in the reservoir area, which ensures the quality of irrigation water for rice production in this area. Therefore, the rice produced by Panshi has become a geographical indication product with quality assurance. On February 16, 2022, she gave an address about the cultural identity of geographical indication products at the exchange meeting that was held at the Institute of Geography and Resources of the Chinese Academy of Sciences. On September 8, 2022, the Asian Geography Society held a meeting in Hanoi, Vietnam. Prof. Zhou launched the Asian Cultural Atlas Project on the Cultural Geography Working Group of the Asian Geography Society.

Journals

In 2022 the commission Chair has become a Topic Editor for "Frontiers in Earth Science" for "Global Understanding" and an Associate Editor for

“Frontiers in Sustainability”.

Other

The commission is using and building up the cooperation network of TJD, encompassing more than 110 institutional partners to date from all continents. Of special interest is certainly the newly establishes cooperation with the World Capital Institute (Mexico), the EU Erasmus Mundus network through the close cooperation with the EC2U program of the Coimbra universities network, the APHELEIA (Humanities European Association for Cultural Integrated Landscape Management), Heritage Landscapes of Asia Pacific, Reconnect with Your Culture (RCWYC), GRID Heritage India: Rethinking Heritage and Marginality Today and the International Association for Reconciliation (IARS). For the coming years, the afore mentioned German Future Center (Jena) could prove to be the most powerful cooperation partner.

C. Publications I Publications Books

Robinson, J. (2022): *Comparative Urbanism: Tactics for Global Urban Studies*. Oxford: Wiley-Blackwell.

Werlen, B. (2022): *La Construcción de las Realidades Geográficas. Una geografía de la acción*.

Edition Universitaria. Santiago de Chile.

Articles

Vintar Mally, K., Bobovnik, N., Kimovec, L. & Lampič, B. (2022): Changes in (sustainable) development of Slovenian small towns. *European Countryside*. 2022, 14, 1, pp. 87-103. DOI: 10.2478/euco-2022-0005.

Bobovnik, N., Vintar Mally, K. (2022): Awareness of planetary boundaries as a starting point for sustainable development: an example of the use of the ecological footprint in education. *Sodobna pedagogika*. 2022, 73, 1, pp. 196-212. <https://www.sodobna-pedagogika.net/arhiv/nalozi-clanek/?id=2043>.

Lampič, B., Bobovnik, N., Grčman, H., Rebernik, L., Repe, B., Vintar Mally, K., Trobec, T., Zupan, M. (2022): The first national database of potentially contaminated sites (PCSS) in Slovenia

and a model approach for determining priority treatment. In: Paluchova, Katarína (ed.). *Contaminated sites 2022: International Conference, Senec, Slovak Republic, 12-14 October 2022: conference proceedings*. Banská Bystrica: Slovak Environmental Agency, 2022. Pp. 8-11.

Robinson J., Wu F., Harrison P., et al. (2022): Beyond variegation: The territorialisation of states, communities and developers in largescale developments in Johannesburg, Shanghai and London. *Urban Studies*. Epub ahead of print 2 February 2022. DOI: 10.1177/00420980211064159

Werlen, B. (2022): Global Understanding – Understanding the Global Condition. A geographical paradigm for the 21st century? In Kolossov, V. et al. (eds). *A Geographical Century: Essays for the Centenary of the International Geographical Union*. Springer Nature. Heidelberg, 361- 375

Werlen, B. (2022): World Relations and the Production of Urban Realities: On Space and Action, City and Urbanity. In Religion and Urbanity Online: Reciprocal Formations. Berlin: De Gruyter <https://doi.org/10.1515/urbrel.16444317>

Werlen, B. (2022): Global Understanding. Geographische Weltbilder, Nachhaltigkeit und politische Orientierung. In Beelmann & Michelsen, D. (Hrsg.), *Rechtsextremismus, Demokratiebildung, gesellschaftliche Integration*. Springer VS, Wiesbaden, p. 413-434

Werlen, B. (2022): The Jena Declaration. Kunst und Kultur im Zentrum der Nachhaltigkeit. In Kröger, F., Mohr, H., Sievers, H. & Weiß, R. (Hrsg.), *Jahrbuch für Kulturpolitik 2021/22. Kultur der Nachhaltigkeit*. Transcript, Bielefeld, p. 96-103

II Commission website

<https://iguglobalunderstanding.jimdofree.com>

D. Archival Contributions

None to date.

COMMISSION ON HAZARD AND RISK REPORT 2022

Membership

The following ten people are the current steering committee members. Note that Marie-Jeanne S. ROYER will resign at the end of 2022.

Takashi OGUCHI (Chair)

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There are 157 corresponding members who regularly receive information via e-mail. The members are from the following countries (number of people in parentheses): Bangladesh (2), Belize (1), Brazil (1), Cameroon (1), Chile (2), China (41), China (HK) (1), Fiji (1), France (3),

Germany (2), Greece

(2), India (24), Indonesia (2), Iran (3), Iraq (1), Israel (1), Italy (3), Japan (25), Kuwait (1), Mexico (1), Myanmar (1), Nepal (1), Oman (1), Philippines (1), Poland (2), Portugal (1), Romania (4),

Russia

(1), Singapore (2), Slovenia (1), Spain (1), Taiwan (5), Turkey (2), UK (2), USA (13), and Vietnam

- Meetings

1) Organizing the session “Contribution of Geography to Understand Natural Hazards and Risks” at the UGI-IGU Paris 2022 Congress on July 18–22, 2022.

The centennial congress of the IGU was held in Paris on July 18–22, 2022, and various onsite and online sessions were conducted. Our commission proposed an onsite session entitled “Contribution of Geography to Understand Natural Hazards and Risks”, and the session conveners from our steering committee were Takashi Oguchi and Alessandro Mondini. The session was held on July 21, using four slots at 10:30–12:15, 12:30–14:15, 14:30–16:15, and 16:30–18:30.

The program of our session included 20 oral presentations, most of which were presented. The papers presented at our session covered various aspects of hazard and risk issues. Climatic papers concern droughts, hurricanes, urban heat islands, and wildfires. Hydrological papers focus on glacial lakes and floods. Geomorphological and geological papers dealt with fluvial erosion and sedimentation,

landslides, tectonic crustal deformation, and volcanic eruptions. There were also papers related to human geography, such as citizens’ responses to disasters and disaster governance and management.



Photos from the session “Contribution of Geography to Understand Natural Hazards and Risks” at the UGI-IGU Paris 2022 Congress.

At the Paris Congress, three “Round Table” sessions were held, and one of them, “Did you say Anthropocene”, was held on July 19 and convened

by Prof. Michael Meadows, the IGU President. The chair of our commission, Takashi Oguchi, was one of the three panelists and made a presentation entitled “Hazards and Risks in the Anthropocene” on behalf of our commission. The round table was successful, with many participants and fruitful discussion.



Photos from the round table session “Did you say Anthropocene?”¹ at the UGI-IGU Paris 2022 Congress.

2) Co-organizing the Virtual International

Conference on Challenges to Disaster Risk Reduction and Resilient Habitat, organized by the Centre for Disaster Management Studies, Shaheed Bhagat Singh College, University of Delhi, India, on April 5–6, 2022

Our commission became one of three co-organizers of the above conference focusing on disaster risk reduction with more than 100 presentations. Most presenters and participants were from India. Researchers from other countries, including Australia, Germany, Japan, Thailand, the UK, and the USA, also attended and acted as



3) Supporting the ICEO & SI Conference in Hualian, Taiwan, on August 30–31, 2022

The ICEO & SI (International Conference on Earth Observations and Societal Impacts) is an annual conference organized mainly by the TGeo

keynote speakers and panelists. Our commission chair, Takashi Oguchi, was one of the keynote speakers.

Cover of the program of the Virtual International Conference on Challenges to Disaster Risk Reduction and Resilient Habitat

(Taiwan Group on Earth Observations). Our commission became a co-organizer of its 2019 conference and had a special session. Our commission was also supposed to be a co-organizer of the 2020 conference, but the conference was canceled due to the COVID-19 pandemic. The 2021 conference was held in a hybrid format, and our commission supported the organization of two sessions. The 2022 conference was planned to be kept fully on site on June 21–22, but the COVID-related government regulations resulted in a later meeting on August 30–31 in a hybrid format. During the preparation for the 2022 conference, our commission proposed a session called “Roles of geospatial technology in reducing disaster and environmental risks” with three conveners: Takashi Oguchi, Chair of our commission, Ywei-An Liou, National Central University, Taiwan, and Jr-Chuan Huang, a steering committee member of our commission from National Taiwan University. The organizing committee accepted the session proposal and included it in their original program. The mixture of onsite and hybrid formats affected the final program, so its session structure differed from the original one. Still, several papers submitted originally to our session related to hazard and risk issues were presented.



Presentation on natural hazards at the ICEO&SI 2022 Conference

- 4) Supporting the IGU Thematic Conference “Sustainability, Future Earth and Humanities: Opportunities and Challenges”, in Mahendragarh, India, on November 24–25, 2022

For the above thematic conference, our commission served as one of the collaborative commissions, along with Commissions on African Studies, Climatology, Cold and High Altitude Regions, Gender and Geography, Geography for Future Earth, Geo-heritage, Karst, Land Degradation and Desertification, and Modeling Geographical Systems. Although no steering committee members could attend the conference, the chair of our commission, Takashi Oguchi, sent a congratulations message in response to a request from the conference convener.

- Training course

- 1) Machine learning for data analysis and image classification in Earth Sciences

The commission contributed to the 15-hour doctoral course in the context of "Earth system and global changes" at the Department of Physics and Geology, University of Perugia, Italy. The course is "Machine learning for data analysis, and image classification in Earth Sciences", with a 7.5-hour class on "Machine learning for image classification." The course was given by Alessandro Mondini, our steering committee member, on April 28–29, 2022, onsite and remotely. Fifteen Ph.D. students attended the course. Topics in the course consisted of the theory of parametric and non-parametric machine learning and deep learning for image classification, along with practical applications for disaster mapping using remotely sensed images.



Machine learning for image classification

alessandro.mondini@irpi.cnr.it

28/29 April 2022

Introductory image of the training course at the University of Perugia, Italy

- Future plan

The following future events and collaborations are currently planned:

- 1) Co-organizing the ICEO & SI Conference in 2023

As noted, our commission has been collaborating with TGEO (Taiwan Group on Earth Observations) and supporting the ICEO & SI conference series. The conference has been held annually in most recent years, and our commission is likely to be a co-organizer or an official supporter of the 2023 conference.

- 2) Strengthening collaborations with the IAG (International Association of Geomorphologists)

The IGU established an MoU with the IAG in 2016. The two organizations collaborated occasionally, but such chances became relatively less recently. In September 2022, our commission chair, Takashi Oguchi, was elected as one of three Vice-Presidents of the IAG. We plan to utilize this new situation to strengthen the connection between the IGU and the IAG in various ways. For example, another Vice President of the IAG, Dr.

Mihai Micu, Institute of Geography, Romanian Academy of Science, showed interest in such collaborations and proposed joint workshops in Romania.

- Publications

URL of the website of the commission: http://oguchaylab.csis.u-tokyo.ac.jp/IGU_Hazard/index.html

IGU Commission History of Geography – Report 2022

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Over the aforementioned commission members,
the Commission have a contacts' mailing list
containing around 500 recipients in all the
continents.

2. Activities (meetings and networking) carried out since November 2021, and future plans

International Geographical Congress, Paris, July 2022

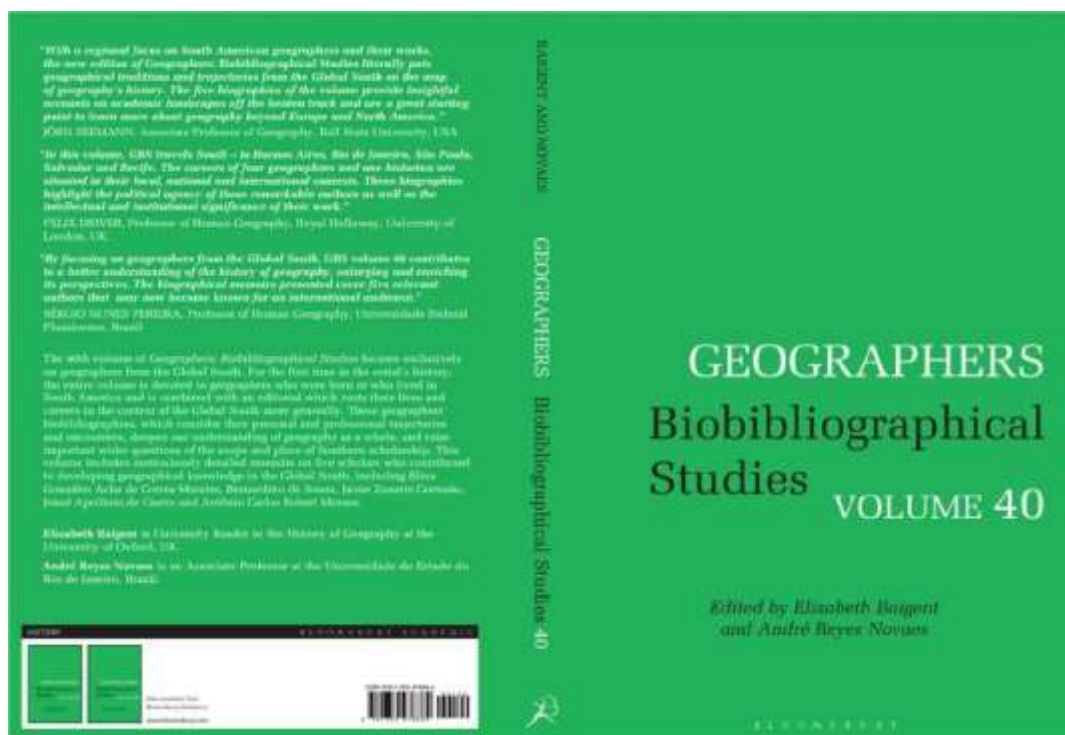
- Session: **Life Writing and Geographical Trajectories** (convenors Elizabeth Baigent and André Reyes Novaes)
- Session: **Academics under (Geo) – Political Pressure** (convenors Marcella Schmidt di Friedberg and Virginie Mamadouh)
- Session: **Key Concepts In Political Geography: Spatial And Temporal (Dis) Continuities** (convenors Virginie Mamadouh and Marcella Schmidt di Friedberg)

Activities expected to take place in 2023

IGU Thematic Conference, The Ocean and Seas in
Geographical Thought, Milan (Italy), University of
Milano-Bicocca, 6-8 June 2023 and Post-
conference excursion to Venice, 9-10 June 2023

In collaboration with:

- Commission on Gender and Geography
- Commission on Geography of Governance
- Commission on Mediterranean Basin
- Commission on Political Geography
- Commission on Toponymy
- Commission on Tourism, Leisure and Global Change



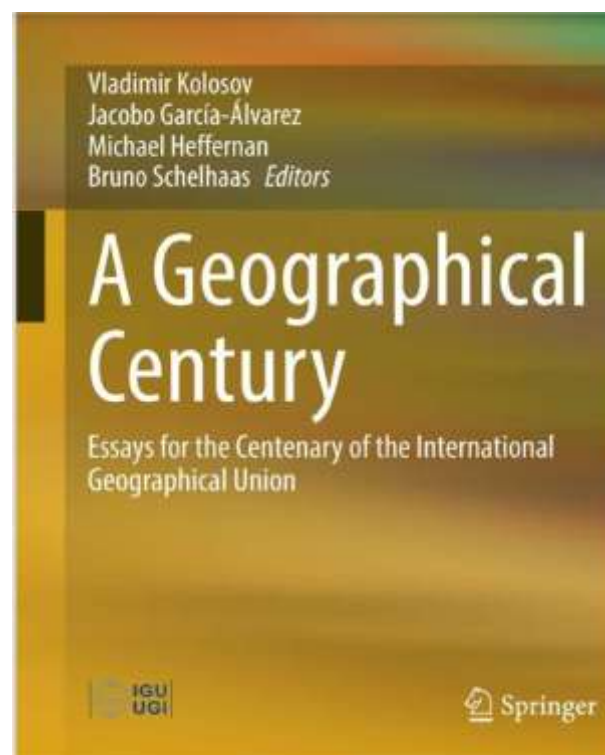
Commission History of Geography CFP: Liquid worlds: historical geographies and cartographies of

the sea

3. Commission’s publications:

New Commission’s website:
<https://ugihg.hypotheses.org/>

Geographers, Biobibliographical Studies, vol. 40 (2022), edited by Elizabeth Baigent and André Reyes Novaes. Theme: **On Southern Traditions and Geographical Trajectories**. Biographies Geographers: Josué de Castro (Archie Davies and Federico Ferretti); Elina Morales (Marcelo Kezic and Susana Curto), Bernardino de Souza (André Nunes de Souza), Jaime Cortesão (Francisco Roque de Oliveira) and Carlos Robert de Moraes (Carlos Nogueira). Collective book: Vladimir Kolosov, Jacobo García-Álvarez, Michael Heffernan, Bruno Schelhaas (eds.), *A Geographical Century Essays for the Centenary of the International Geographical Union*, Cham, Springer, 2023.



Bologna, 30 November 2022

COMMISSION ON LAND DEGRADATION AND DESERTIFICATION (COMLAND) REPORT 2022

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The Commission on Land Degradation and Desertification (COMLAND) is a Commission of the International Geographical Union (IGU). See <http://igu-online.org/> for further information on the IGU.

PURPOSE AND SCOPE OF COMLAND

Most environments are affected by common factors that favour and increase land degradation processes. Two main topics are widely responsible: a) climatic conditions and changes, and b) anthropic impacts through land use. There is an urgent need to achieve a better practical and theoretical understanding of land degradation processes which affect the world's landscapes. In order to achieve these objectives, the working plan of the Commission is as follows:

- to promote and coordinate interdisciplinary research on land degradation and desertification in our changing global environment;
- to study the effects of environmental change, both natural and human-induced, and their implications for land degradation and desertification;
- to conduct regional case studies under different climatic regimes and environmental risks (forest fires, floods, river channel

changes, soil erosion, water depletion, water quality), study the planning and design of conservation measures and the potential conflict between ecological sustainability and economic viability;

- to alert authorities as to the importance of adequate surveillance of land degradation processes;
- to develop and communicate the best techniques for monitoring changes and collecting data, and
- to sponsor and support activities leading to the exchange of information regarding land degradation and desertification.

I. COMLAND MEMBERSHIP

Steering Committee

Chair:

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COMLAND MEMBERS – members per country

(country unknown)	30	Korea, Rep.	3
Australia	27	New Zealand	3
USA	22	Slovenia	3
Poland	18	Canada	2

China	17	China, (Taiwan)	Rep.	2
United Kingdom	15	Thailand		2
Israel	13	Albania		1
Germany	12	Algeria		1
Iceland	11	Argentina		1
Brazil	8	Belgium		1
Italy	8	China (Hong Kong)	(Hong	1
India	9	Greece		1
Netherlands	6	Iran		1
Portugal	6	Ireland		1
South Africa	6	Mexico		1
Spain	6	Mongolia		1
Japan	6	Nigeria		1
France	5	Romania		1
Hungary	5	Russia		1
Austria	5	Singapore		1
Armenia	3	Sweden		1
Chile	3	UAE		2
Finland	3	Turkey		1
TOTAL	277			

People are welcome to join COMLAND by
submitting their name, affiliation, country and
email via the “Contact” page on the
www.comland.org website. Members will be sent
emails on an irregular basis advising of meetings
and other relevant matters including messages
from the IGU.

II. MEETINGS & ACTIVITIES

2022

1) IGU Paris 2022: Time for Geographers – Paris, France. July 18–22, 2022

COMLAND hosted a session titled “*Land
Degradation: An Underestimated Environmental
Challenge*” that was chaired by three COMLAND
Steering Committee members (Owen Graham,
Andrea Vacca and Matija Zorn). Along with the
session a Business Meeting of the commission was

also held at the conference.

A101522M2-01 - Land Degradation: An Underestimated Environmental Challenge	
🕒 14:30 - 16:15 - Panthéon Room 307	
A102890mi - COMLAND - Past, Present and Future 👤 Moshe INBAR, university of Haifa, Israel, Israel	✗
A1053548D - The impact of coal mining waste on land degradation - examples from the Upper Silesian Coal Basin, Poland 👤 Renata DULIAS, University Of Silesia in Katowice, Faculty Of Natural Sciences, Institute Of Earth Sciences, Poland	✓
A105471YC - Recognition and modeling of spatial problems as a result of mining exploitation, La Guajira Colombia 👤 Yosef Harvey CORTES MILLAN, Universidad Distrital Francisco Jose de Caldas, Colombia	✗
A105603CO - Acidic salt attack and damage to geoarchaeological site in Japan 👤 Chikaki OGUCHI, Saitama University, Japan	✓

A101522M2-02 - Land Degradation: An Underestimated Environmental Challenge	
🕒 16:30 - 18:30 - Panthéon Room 307	
A104278JF - Positive and negative effects of forest management on water and sediment in a small experimental catchment: the Vernègà River, Catalonia, Spain 👤 Xavier SUBIDA, University of Barcelona, Spain Joaquim Farrugell	✓
A102681DC - DESERTIFICATION, LAND DEGRADATION AND VULNERABILITY ASSESSMENT THROUGH BIOTECHNOLOGY: A CASE STUDY OF RAJASTHAN STATE OF INDIA 👤 Dr. T.S. CHOQUHAN, University of Rajasthan, India	✗
A105146PK - Assessment of degradation of the Ramsar site of Kanwar lake in Begusarai district of Bihar, India 👤 Prince KUMAR, CENTRAL UNIVERSITY OF JHARKHAND, India	✗
A1045800D - Soil Loss Estimation of Digaru Watershed, Assam, India using the RUSLE Model 👤 Dhanjit DEKA, Department of Geography, Gauhati University, India	✗
A103442AD - Assessment of Land Degradation through Metal Abundances and Distribution in Soils from Different Land-uses in a megacity city in India 👤 Anshu DIXIT, Kirti Mair College, Dahi University, India	✗

The session and the business meeting were organised on July 21, 2022. For the session nine papers were announced, but unfortunately just three presenters delivered their papers (*):

The issue of “no show” by presenters was not just a problem of our session but of the whole conference.(*). A late apology was received advising that Moshe Inbar would be unable to attend



Figure: Some attendants at the COMLAND session (Photo: Matija Zorn).

Business meeting
At the business meeting the chair presented the

Commission activities in 2021 and 2022 as well as possible future activities:

- a session and a business meeting at the EUGEO Congress (Barcelona, Spain, September 4–7, 2023);
- a session, excursion and a business meeting at the IGU 2024 congress (Dublin, Ireland, August 25–30, 2024);
- workshop with an excursion on the topic of desertification; together with the IGU Commission on Sustainability of Rural Systems (Djelfa, Algeria, 2024).

2) International Association of Geomorphologists (IAG) Conference on Geomorphology – Coimbra Portugal. September 12–16, 2022

COMLAND financially supported the IAG Intensive Course for Young Geomorphologists “Geomorphological Changes in Fire Affected Landscapes: Field and Laboratory Techniques for Soil Erosion Analysis”.

COMLAND was well represented on the pre- and post- Conference field trips to Cape Verde as well as Minho & Galicia.



ICG 2022 IAG-EGU Intensive Course for Young Geomorphologists on "Geomorphological changes in fire affected landscapes: field and laboratory techniques for soil erosion analysis"

Programme Committees

António Vieira, University of Minho, Portugal
 Sílvia Rodrigues, Federal University of Uberlândia, Brazil
 Maria Della Seta, Sapienza University of Rome, Italy – IAG Training Officer
 Susan Conway, University of Nantes, France
 Maria Palocs, Dartmouth College, USA
 António Bento-Gonçalves, University of Minho, Portugal
 José Rocha, University of Minho, Portugal
 Sarah Santos, University of Minho, Portugal
 Adélia Nunes, University of Coimbra, Portugal
 Isabel Pinho, University of Coimbra, Portugal

Organisation Committee

António Vieira, University of Minho, Portugal
 António Bento-Gonçalves, University of Minho, Portugal
 Sílvia Rodrigues, Federal University of Uberlândia, Brazil
 Saulo Fohanni, University of Minho, Portugal
 Sara Silva, University of Minho, Portugal
 Sarah Santos, University of Minho, Portugal
 Jorge Ruivo, University of Minho, Portugal
 José Rocha, University of Minho, Portugal
 Tiago Marques, University of Minho, Portugal

Supporting and organizing institutions:

IAG – International Association of Geomorphologists
 EGU – European Geosciences Union
 APGerm – Portuguese Association of Geomorphologists
 COMLAND – The Commission on Land Degradation and Desertification of the International Geographical Union (IGU)
 IAG – French Geomorphology Group

Figure: COMLAND was acknowledged in the course booklet stated as a supporting organisation.

At the conference a COMLAND Steering Committee member Sunil Kumar De was elected the IAG president.

3) IGU Thematic Conference on “Sustainability, Future Earth and Humanities: Opportunities and Challenges”

- Mahendergarh, India. November 24–25, 2022

COMLAND was amongst the IGU commissions sporting the event.

III. NETWORKING AND COLLABORATION:

Other IGU Commissions:

COMLAND has an active working relationship with the Commission on Hazard and Risk and is developing such relationship with the Commission on Land Use and Land Cover Change, Commission on Geography for Future Earth and Commission on Sustainability of Rural Systems.

IV. PUBLICATIONS

COMLAND continues to publish papers from its sponsored sessions and conferences, with most appearing in international peer reviewed journals.

This is on an opportunistic basis.

The COMLAND website is maintained by the COMLAND Secretary and operational costs are covered through IGU grants. The COMLAND website contains information that includes upcoming and past meetings, the Steering Committee, awards, reports and publications. The website contains all of COMLAND's available archival information. Web URL: www.comland.org

COMLAND Members receive occasional emails that publicise upcoming COMLAND and some IGU events. Members are referred to the COMLAND website for the latest information on matters. This communication takes the place of newsletters.

V. ARCHIVAL CONTRIBUTIONS:

Archival material is available from the Commission's Annual Reports. These usually include relevant photographs from meetings, field

excursions and other events.

VI. USE OF IGU GRANTS:

The IGU Grant to COMLAND is used for operational expenses in maintaining the COMLAND website on a commercial platform (www.comland.org) which includes domain registration expenses, website hosting and internet access charges.

COMLAND has also supported events/conferences that are relevant and/or advantageous to COMLAND's interests. The COMLAND Steering Committee has agreed that these funds are allocated to events to support the active attendance of young scientists. It is usually at the discretion of the event organisers on who and how these funds are allocated or pooled. This means that any COMLAND funding support is usually to event organisers and not directly to individuals. COMLAND seeks recognition through verbal and/or written acknowledgement and use of its logo where possible.

COMMISSION ON LAND USE REPORT 2022

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A. MEMBERSHIP

Steering committee (August 2020 - August 2024) Monica Ștefania Dumitrașcu (chair)

Institute of Geography, Romanian Academy

Bucharest, Romania

E-mail: stefania_dumitrascu@yahoo.com

Monika Kopecká

Institute of Geography, Slovak Academy of Sciences Bratislava, Slovakia

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Mehtab Singh

Department of Geography, Maharshi Dayanand University Rohtak, India

E-mail: msrana241@gmail.com

Kohei Matsunaga

College of Letters, Ritsumeikan University Kyoto, Japan

E-mail: komats-a@fc.ritsumei.ac.jp

Raffaella Gabriella Rizzo Univ. Cattolica del Sacro Cuore Milan, Italy

E-mail: RaffaellaGabriella.Rizzo@unicatt.it

Lucie Kupková

Faculty of Science, Charles University Prague, Czech Republic

E-mail: lucie.kupkova@gmail.com

Bernd Cyffka

Catholic University of Eichstätt-Ingolstadt Eichstätt, Germany

E-mail: bernd.cyffka@ku.de

Nicolai Dronin

Geography Department, Lomonosov Moscow State University Moscow, Russia

E-mail: ndronin@gmail.com

Daniela Alexandra Teixeira da Costa Ribeiro

Anton Melik Geographical Institute Ljubljana, Slovenia

E-mail: daniela.ribeiro@zrc-sazu.si

Lianqi ZHU University of Henan Kaifeng, China

E-mail: lqzhu@henu.edu.cn

Matej Gabrovec (past-chair)

Anton Melik Geographical Institute, Research Centre of the Slovenian Academy of Sciences and Arts Ljubljana, Slovenia

E-mail: matej@zrc-sazu.si

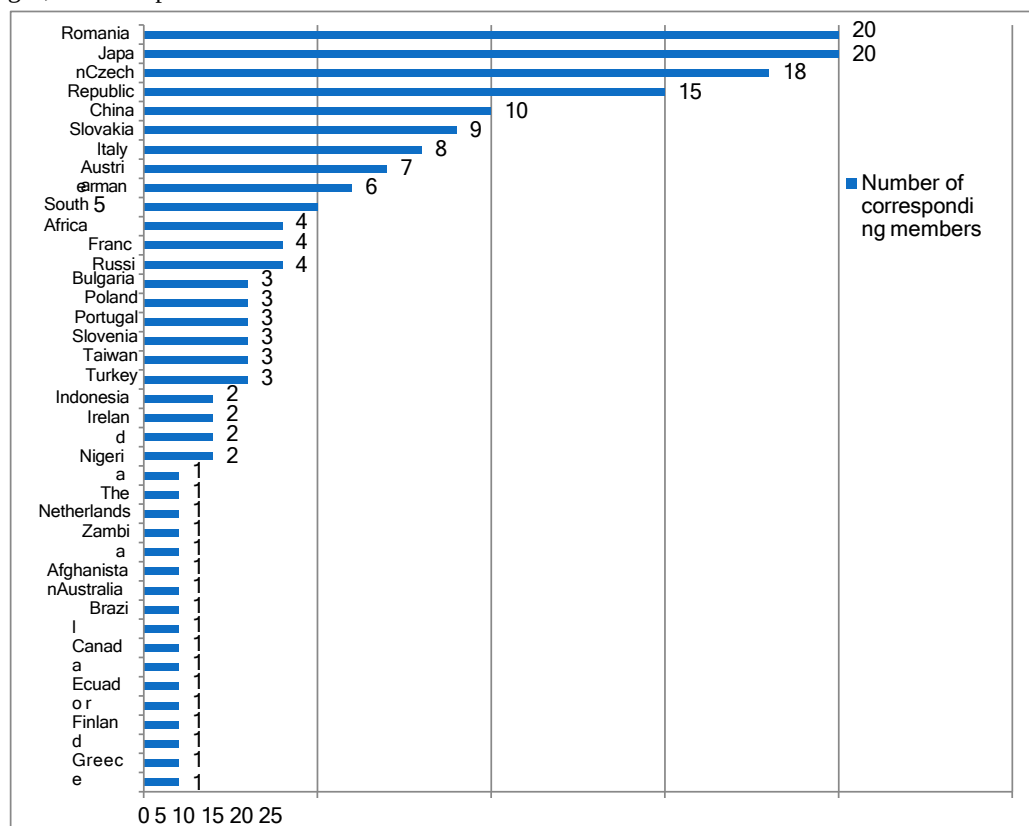
Honorary members Prof. Yukio Himiyama

Hokkaido University of Education, Past President, International Geographical Union

Sapporo, Japan

E-mail: yukiohimiyama@gmail.com

Prof. Ivan Bičík



Secretary and web page administrators

Matjaž Geršič

Anton Melik Geographical Institute, Research
Centre of the Slovenian Academy of Sciences and
Arts Ljubljana, Slovenia

E-mail: lucc@zrc-sazu.si

Gheorghe Kucsicsa

Institute of Geography, Romanian Academy
Bucharest, Romania

E-mail: mondy_ghe@yahoo.com Members

There are 225 members in the IGU Commission
on Land Use and Land Cover Change. We can
find out the country origin for 76% of them.

Currently, the Commission on Land Use and Land
Cover Change counts a total of 225 members from
40 countries (Fig. 1). Based on the estimation of
the Members of the Steering Committee, about 30-
50 members are considered active in the sense that
they participate in the meetings organized by the
Commission, the sessions within the events
organized by the IGU, contribute with
articles/chapters in the volumes and special issues
of the Commission or of the IGU, etc. However,
all members are informed about all the events
organized by IGU or related to it. Overall, most
members are from Japan (and Romania (20
members each), followed by Czech Republic (18),
but also China (15) and Slovakia (10) (Fig. 2).

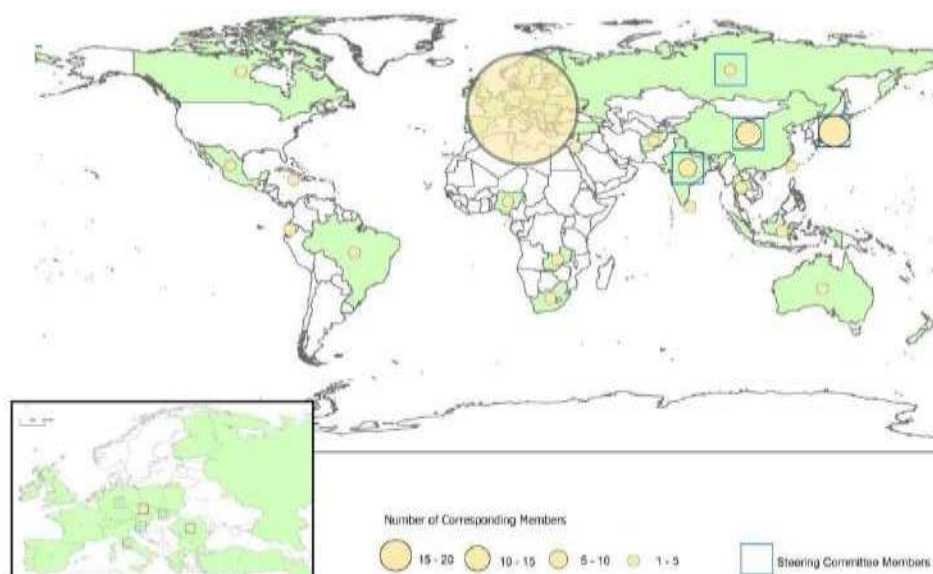


Figure 1. Number of Corresponding Members by country, 2022



Figure 2. The spatial distribution of the Steering/Corresponding Members by country, 2022

B. MEETINGS

Last meetings

Paris, France, IGU Centenary Congress, July 18-22, 2022

As part of this scientific event, the IGU Commission on Land Use and Land Cover Change held 4 sessions proposed by some of the Steering Committee/Corresponding Members covering the following topics:

1. Land Use/Land Cover Change Driving Forces and Impacts; **Chairs:** Monica DUMITRASCU, Institute of Geography, Romanian Academy, Romania, Gheorghe KUCSICSA, Institute of Geography Romanian Academy, Romania
2. Long-Term Land Use/Land Cover Changes Evaluation: Towards the Definition of General Concepts in Land Use/Land Cover Science; **Chairs:** Lucie KUPKOVÁ, Charles University Prague, Czech Republic, Monica

DUMITRASCU, Institute of Geography
Romanian Academy

3. Land Use/Land Cover Change Mapping: Data and Methodology, **Chairs:** Monika KOPECKA, Institute of Geography, Slovak Academy Of Sciences, Slovakia, Monica DUMITRASCU, Institute of Geography Romanian Academy, Romania
4. Land Use/Land Cover Changes and Land Degradation in the Anthropocene; **Chairs:** Dan BALTEANU, Institute Of Geography, Romanian Academy, Romania, Monica DUMITRASCU, Institute of Geography Romanian Academy of the 39 submitted papers, 35 were presented, grouped in 9 slots, and 2 papers were presented online (one from India and one from Ukraine) on the 21th and 22th of July, 2022.

A considerable number of Steering Members participated in Paris, including the formers and current Chair, (Yukio Himiyama, Matej Gabrovec, Monica Dumitraşcu, Monika Kopecka, Daniela Alexandra Teixeira da Costa Ribeiro, Matjaž Geršič), to which was added a satisfactory number of corresponding members (nearly 50, 25%).

The issues discussed during the sessions focused on the assessment of various theoretical, methodological and practical aspects of land use/land cover change in countries with diversified economic, social and political systems such as: Belgium, China, Czech Republic, Ecuador, France,

Germany, Hungary, India, Israel, Italy, Lithuania, Japan, Poland, Romania, Rep. of. Korea, Slovakia, Slovenia, Thailand, Ukraine, and USA.

The main topics of discussion focused on: the impact of extreme events on land use/land cover change, the driving forces of land-use changes, land cover and landscape change using historical maps; the impact of socio-economic and political changes on land use/land cover change, urban expansion.. The wide spatial coverage of the discussed topics and the participation of outstanding scholars from prestigious universities and research institutions have revealed various ideas, experiences and models related to land use/land cover changes.

Each slot was attended by an average of 15 to 20 participants, which was conducive to active discussions on the topics presented, as well as discussions on the future activities of the LUCC Commission and the possibilities of expanding it.

Also, the chair of the IGU LUCC commission was invited to participate as a panellist in one of the round tables organized during the IGU Centenary Congress, proposed by the IGU president, Prof. Michael Meadows with the topic ***Did you say Anthropocene?*** On this occasion, a presentation was maderegarding land use changes as one of the main global environmental changes in the current period.

Forthcoming meetings

Year	Event	Period	Location	Organizer(s)
2023	IGU Scientific Seminar Health, Environment and Sustainable Development jointly organized with Commission on Health and the Environment & Local and Regional Development https://iguche2020.com/	13-16 June	Bucharest/ Tulcea, ROMANIA	Faculty of Geography, University of Bucharest, Institute of Geography, Romanian Academy
2024	Pre-Congress Meeting of the IGU Commission on Land Use and Land Cover Change	August	Cork, IRELAND	University College Dublin, NUI Galway
2024	35th International Geographical Congress Celebrating a World of Difference	25-30 August	Dublin, IRELAND	TBD - Support from the University College Dublin, NUI Galway

After the successful Thematic Conference organized in 2017 in Romania in Bucharest and

Tulcea by the IGU Commissions Land use and Land Cover Changes, Local and Regional Development, Health and Environment and Biogeography and Biodiversity they joined again (without the commission for Biogeography and Biodiversity) for organizing in 2023 the **IGU Scientific Seminar *Health, Environment and Sustainable Development*** which will take place in **Bucharest,**

Romanian Academy, Calea Victoriei 125, between 13 and 16 June 2023.

The International Geographic Union, Commissions **Land Use and Land Cover Change, Health and Environment, and Local and Regional Development** and the Local Organizers, the Faculty of Geography–University of Bucharest and the Romanian Academy–Institute of Geography seek to bring together academics, researchers and post-doctoral fellows, graduate students and practitioners with a common interest in geography, public health, environment, territorial planning, and other related fields.

Main themes:

- Environmental Changes and Human Health: Vulnerabilities, Impacts and Inequalities
- Health, Wellbeing and Sustainable Development in Urban and Rural Areas: facing the Challenges of Covid-19
- Public Health & Healthcare Systems after Pandemic: Changes, Challenges and Opportunities
- Health Systems Responsiveness to the Changing Social and Natural Environment
- Socio-economic Disparities, Local and Regional Development in the Post-Covid Era.
- Land Use/Cover Change and Land Degradation
- Land Use/Cover Change Driving Forces and Impacts
- Applications of Land Use/Cover Change and Impacts at Various Spatial Scales
- Cross-border Cooperation, Peripheral Areas

and Neighbourhood Policies

- Territorial competitiveness, Cohesion and Sustainability

Initially planned to take place in 2020, this event was postponed due to the pandemic.

More details at <https://iguche2020.com> or answer any questions sent to iguche2020@gmail.com

C. NETWORKING

The LUCC commission collaborated with the commissions on Local and Regional Development, Biogeography and Biodiversity, as well as Land Degradation and Desertification. Also LUCC commission collaborated with Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability and Commission on Health and Environment.

Collaboration with IGU Commissions:

- Commission on Local and Regional Development
- Commission on Biogeography and Biodiversity
- Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability;
- Commission on Mediterranean Basin
- Commission on Land Degradation and Desertification
- Commission on Hazard and Risk
- Commission on Health and Environment

Other institutions:

- Institute of Geography, Romanian Academy
- *Anton Melik* Geographical Institute, Slovenia
- Charles University, Prague, Czechia
- Institute of Geography, Slovak Academy of Sciences
- Hokkaido University of Education
- National Institute for Geophysics, Geodesy, and Geography, Bulgarian Academy of Sciences
- Journal - *Open Geoscience*

- Journal - *Romanian Journal of Geography*
- India Geographical Society
- China Geographical Society
- Beijing Normal University

Journal - *Geography and Sustainability*

- Journal - *Land (MDPI)*

The commission's website: <http://lucc.zrc-sazu.si/> updating and addition of new material.

D. PUBLICATIONS

The majority of LUCC Atlases have been published on-line. They are available on the LUCC Commission website (<http://lucc.zrc-sazu.si/>)

- In 2022 the IGU LUCC - Volume XVI was published: Karviná Doly: Post-mining landscape of Czech-Polish borderland

<http://lucc.zrc-sazu.si/Publications/Atlases/VolumeXVI>

Editors: Lucie Kupková, Vít Jančák, Pavel Chromý, Charles University, Czechia

Contents:

- Disappeared landscapes of Czechia: Introduction and evaluation methods (Lucie KUPKOVÁ, Zdeněk LIPSKÝ, Miroslav ŠIFTA et al.)
- Jistebnicko: A defunct landscape of (sub)mountain agriculture in Česká Sibiř (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Karviná Doly: Post-mining landscape of Czech-Polish borderland (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Kladensko: Hnidousy, Dubí u Kladna (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)

Bicik)

- Transformed cityscape (Libeň, Karlín), (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Nové Mlýny Reservoirs, (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Defunct landscape of pond system in Pardubice region (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Zahrádky u České Lípy: defunct feudal landscape (Vít JANČÁK, Lucie KUPKOVÁ, Pavel CHROMÝ et al.)
- Legacy of Iron Curtain in border landscape development (Martin DOLEJŠ, Petra ŠÍMOVÁ)
- Dynamics of wood-pastures in Czechia in the context of its historic changes in the last two centuries (Anna PEREPONOVÁ, Jan SKALOŠ, Michal FOREJT)

In 2022 a special issue is under preparation in the LAND (MDPI) Journal on the topic "*Urban Landscape Dynamics: Recent Trends and Future Challenges*", guest editors: Monika Kopecká, PhD., Monica Dumitraşcu, PhD., Lucie Kupková, PhD. More details are to be found at the following address: https://www.mdpi.com/journal/land/special_issues/urban_landscape_dynamics

The IGU LUCC Commission has contributed a chapter to the volume **Bański J., Meadows M. (eds.), *Research Directions, Challenges and Achievements of Modern Geography***, Springer: **Chapter: *Land Use and Land Cover Changes in Global Environmental Change Context*** (Authors:

⁴⁴⁸Monica Dumitraşcu, Yukio Himiyama, abrovec, Monika Kopecká, Lucie Kupková, Ivan

COMMISSION ON LOCAL AND REGIONAL DEVELOPMENT REPORT 2022

The Commission on Local and Regional Development IGU is a dedicated group of scholars aiming to advance international knowledge of a variety of issues concerning local and regional development. The Commission's activities involve cooperation between scientists representing academic centres from different parts of the world, organizing meetings and expanding its intellectual network through academic conferences, publications, newsletters and its website. The basic mission is to advance international research and knowledge in a variety of domains concerning local and regional development through: 1) the development and dissemination of theoretical, conceptual and methodological frameworks concerning local and regional development, 2) the discussion of wide range of empirical and policy issues, 3) to widen of the scope of the debate on the topics of "local and regional development" in different national and institutional contexts.

MEMBERSHIP

1. Steering Committee members

1.1. Chairperson of the Commission

Ian-July 2022, Jerzy Bański, Institute of Geography and Spatial Organization, Polish Academy of Sciences, POLAND, 00-818 Warszawa, Twarda str. 51/55, +48 602391453, jbanksi@twarda.pan.pl; **Post-July 2022, Ines Grigorescu**, PhD, Institute of Geography, Romanian Academy, ROMANIA, inesgrigorescu@yahoo.com;

1.2. Vice Chair

Ian-July 2022, Ines Grigorescu, PhD, Institute of Geography, Romanian Academy, ROMANIA, inesgrigorescu@yahoo.com;

Post-July 2022, Carmen Vázquez Varela, Professor, Department of Geography and Spatial Planning, University de Castilla-La Mancha,

Avda. de los Alfares, 44 – 16002 Cuenca, ESPANIA, +34969179100, carmen.vazquez@uclm.es;

16.2. Scientific Secretary

Post-July 2022, Bianca Mitrică, PhD, Institute of Geography, Romanian Academy, ROMANIA, biancadumitrescu78@yahoo.com

16.3. Steering Committee Members

- **2022, Atsushi Taira**, Faculty of Education, Kagawa University, Saiwai-cho 1-1, Takamatsu, Kagawa, 760-8522, +81-87-832-1405, JAPAN, taira@ed.kagawa-u.ac.jp;
- **2022, Eberhard Weber**, School of Geography, Earth Science and Environment, The University of the South Pacific, Laucala Campus, Suva, FIJI, (+679) 323 2542, weber_e@usp.ac.fj;
- **2022, Ashley Gunter**, Professor, Department of Geography, University of South Africa, Building Calabash, +27 011 471 3390, Pretoria, SOUTH AFRICA, gunteaw@unisa.ac.za;
- **2022, Boian Koulov**, PhD, National Institute for Geophysics, Geodesy, and Geography, Bulgarian Academy of Sciences, Acad. G. Bonchev Str., bl. 3, 1113 Sofia, +3592 979-3367, BULGARIA, bkoulov@gmail.com
- **2022, Benjamin Ofori-Amoah**, Professor, Department of Geography, Western Michigan University, 1903 West Michigan Avenue, Kalamazoo, MI 49008, +1 269-387-3424, USA, ben.ofori@wmich.edu;
- **Post-July 2022, Ana Sabogal Dunin Borkowski**, Professor, Department of Humanities - Geography and Environment Section, Pontifical Catholic University of Peru, 1801 Universitaria Avenue, San

Miguel, 15088, Lima, PERÚ,
bsabogal@pucp.edu.pe;

- **July-August, 2022, Konrad Czapiewski**, Institute of Geography and Spatial Organization, Polish Academy of Sciences, Twarda str. 51/55, 00-818 Warszawa, POLAND;
- **Post-October 2022, Michał Konopski**, PhD, Institute of Geography and Spatial Organization, Polish Academy of Sciences, Twarda str. 51/55, +48 226978834, 00-818 Warszawa, POLAND, konopski@twarda.pan.pl.

16.4. Honorary Members

- **2022, Michael Sofer**, Department of Geography and Environment, Faculty of Social Sciences, Bar-Ilan University, 52900, +972-3-531-8773, Ramat-Gan, ISRAEL, soferm1@mail.biu.ac.il;
- **Post-July 2022, Jerzy Bański**, Institute of Geography and Spatial Organization, Polish

Academy of Sciences, Twarda str. 51/55,
+48 602391453, 00-818 Warszawa,
POLAND, jbanksi@twarda.pan.pl;

2. Corresponding Members

Currently, the Commission on Local and Regional Development counts a total of 334 members from 50 countries (Fig. 1). Based on the estimation of the Members of the Steering Committee, about 50-60 members are considered active in the sense that they participate in the meetings organized by the Commission, the sessions within the events organized by the IGU, contribute with articles/chapters in the volumes and special issues of the Commission or of the IGU, etc. However, all members are informed about all the events organized by IGU or related to it. A lower participation of countries from the Global South is still maintained, a situation that we are trying to improve in the coming years. In 2022 the Commission expanded by 16 members. Overall, most members are from Israel (31), followed by Poland (25), Romania (21), but also India and China (17 members each) (Fig. 2).

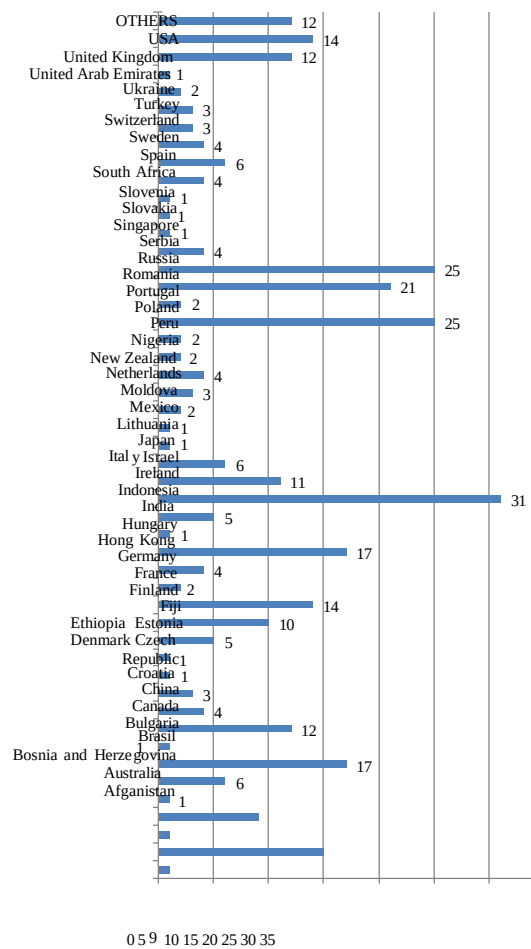


Figure 1. Number of Corresponding Members by country, 2022

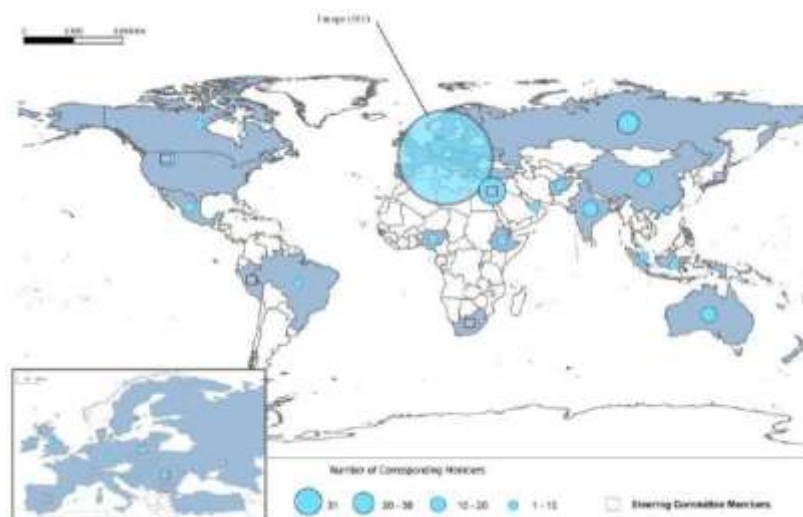


Figure 2. The spatial distribution of the Steering/Corresponding Members by country, 2022

B. MEETINGS

or participation in meetings organized by IGU in 2022

a. Meetings organized by the IGU Local and Regional Development Commission

b. A brief summary of the topics addressed at each meeting and the main findings

Event	Period	Location	Organizer(s)	No. of sessions/slots	No. of papers	No. of participants
Paris 2022 UGI Centennial Congress <i>Time for Geographers</i>	18-22 July, 2022	Paris, FRA NCE	French National Committee of Geography, Association of French Geographers, CNFG	5/13	47	65
Annual Meeting of the IGU Commission on Local and Regional Development <i>Sociodemographic change and its impact on territorial development policies</i>	13-15 October, 2022	Cuenca, SPAIN	Spanish Working Group of Local Development; Department of Geography and Spatial Planning, University of Castilla-La Mancha	6	18	26



PARIS 2022 UGI CENTENNIAL CONGRESS - TIME FOR GEOGRAPHERS

As part of this scientific event, the IGU Commission on Local and Regional Development held 5 sessions (totalling 13 slots) proposed by some of the Steering Committee/Corresponding Members covering the following topics:

- **Research Directions, Challenges and Achievements of Modern Geography** (Chair: **Jerzy Bański**, Institute of Geography and Spatial Organization, Polish Academy of Sciences, POLAND)
- **Local Development in The Rural Space** (Chairs: **Michael Sofer**, Department of Geography and Environment, Faculty of

Social Sciences, Bar-Ilan University, Ramat-Gan, ISRAEL & **Tony Sorensen**, University of New England, AUSTRALIA)

- **The Role and Functions of Small Towns in Local and Regional Development** (Chairs: **Boian Koulov**, PhD, National Institute for Geophysics, Geodesy, and Geography, Bulgarian Academy of Sciences, BULGARIA & **Jerzy Bański**, Institute of Geography and Spatial Organization, Polish Academy of Sciences, POLAND)
- **Local and Regional Patterns of Territorial Development. Challenges and Implications for the Urban-Rural Nexus** (Chairs: **Ines Grigorescu**, Institute of Geography Romanian Academy, ROMANIA &

Michael Sofer, Department of Geography and Environment, Faculty of Social Sciences, Bar-Ilan University, Ramat-Gan, ISRAEL)

- **Linking Borderlands - Transitions and Dynamics of Cross Border Areas** (Chairs: **Karina PALLAGST**, TuKaiserslautern, GERMANY & **Florian WEBER**, Saarland University, GERMANY)

A considerable number of Steering Members participated in Paris, including the former and current Chair, Vice-Chair and Scientific Secretary (Jerzy Bański, Ines Grigorescu, Carmen Vázquez Varela, Bianca Mitrică, Michael Sofer, Boian Koulov, Ashley Gunter, Benjamin Ofori-Amoah), to which was added a satisfactory number of corresponding members (nearly 65, 20%). All of them covered 20 countries: Austria, Belgium, Brazil, Bulgaria, Canada, Czech Republic, France, Germany, Hungary, Israel, Italy, Japan, Poland, Romania, South Africa, Slovakia, Spain, UK, Ukraine, and USA.

During the congress, there were discussions on various theoretical and applied aspects related to local and regional development, cultural tourism and its role in the local development of the rural space, methods of analysing the dynamics of land use in relation to urban expansion phenomena, socio-economic and environmental vulnerability to extreme climatic phenomena, etc. with the members of several IGU commissions: *Urban Commission: Re-Thinking cities and the urban: from the global to the local; Geography of*

Tourism, Leisure, and Global Change; Land Use and Land Cover Change.

Annual meeting of the igu commission on local and regional development. Sociodemographic change and its impact on territorial development policies

The meeting was organized together with the Spanish Working Group of Local Development, part of the Association of Spanish Geographers (AGE) and the Department of Geography and Spatial Planning of the University of Castilla - La Mancha. The event brought together 26 academics from prestigious institutions from 8 countries: Denmark, Hungary, India, Israel, Poland, Romania, South Africa and Spain; 18 of them participated face-to-face and 8 online. The main themes of the conference were focused on:

- Population challenges and territorial development policies.
- Between theory and practice of local development. Issues, methods, and experiences.
- Cross-border cooperation and neighbourhood policies.
- Challenges of urban-rural relationships. Implications on local and regional development.
- Territorial development and 17 Millennium Development Goals (MDGs).
- Addressing territorial inequality in a post-pandemic world.



Annual meeting of the IGU Commission on Local and Regional Development, Cuenca 2022Photo credit: José A. Montero & Ines Grigorescu

The results of the annual meeting were presented to the public through the media, respectively the online journal of the University of Castilla - La Mancha, La Circular (<https://lacircular.es/igulocalandregional.html>) and the Facebook Group of the Local and Regional Development Commission (<https://www.facebook.com/groups/3345703419029601>).

In addition to the very interesting scientific sessions, field trips were also carried out in the city of Cuenca (whose city centre is UNESCO World

Heritage since 1996), Villa Romana de Noheda & Serrania de Cuenca Natural Park. During the 2 days fieldtrips, the participants were able to examine the territorial disparities driven by the tourism concentration in the Cuenca – Ciudad Encantada – Nacimiento del Río Cuervo tourist axis, which, contributes little to the maintenance of the population of the area. In this context, were held discussions with local actors related to the main challenges the municipality and local communities are facing (e.g., depopulation, aging) and local and identified solutions for the sustainable development. At the same time, the development projects on the agenda of the municipality were debated in informal discussions between the participants and the local stakeholders.



Annual meeting of the IGU Commission on Local and Regional Development, Cuenca 2022Photo credit: José A. Montero & Ines Grigorescu

b. The meetings or other events you plan to hold in 2023 and later years, including locations, dates, and the topics/themes to be addressed.

Year	Event	Period	Location	Organizer(s)
2023	IGU Scientific Seminar <i>Health, Environment and Sustainable Development</i> jointly organized with Commissions on <i>HEALTH AND THE ENVIRONMENT & LAND USE/COVER CHANGE</i> https://iguche2020.com/	13-16 June	Bucharest/Tulcea, ROMANIA	Faculty of Geography, University of Bucharest, Institute of Geography, Romanian Academy
2023	Annual Meeting of the Commission on Local and Regional Development	18-24 September	Mogale City, SOUTH AFRICA	University of South Africa
2024	Pre-Congress Meeting of the Commission on Local and Regional Development	August	Cork, IRELAND	University College Dublin, NUI Galway
2024	35th International Geographical Congress <i>Celebrating a World of Difference</i>	25-30 August	Dublin, IRELAND	TBD - Support from the University College Dublin, NUI Galway
2024	Annual Meeting of the IGU Commission on LRD	TBC 455	Lima, PERU	Universidad Católica del Perú

C. NETWORKING

1. Collaboration with IGU commissions

- **Commission on Land Use and Land Cover Change** – joint publications of the Steering Committee/ Corresponding Members on various topics that connects the two Commissions; preparation of the *IGU Scientific Seminar Health, Environment and Sustainable Development* which will be jointly organized to be held 13-16 June 2023 in Bucharest and Tulcea;
- **Commission on Health and Environment** - preparation of the *IGU Scientific Seminar Health, Environment and Sustainable Development* which will be jointly organized to be held 13-16 June 2023 in Bucharest and Tulcea;
- **Urban Geography Commission** - (Re-)Thinking cities and the urban: from the global to the local – Chair of the Commission (Ines Grigorescu) participated with a scientific paper and discussions to the Session Climate Change, Resilience, Urban Health and Well-Being at PARIS 2022 UGI CENTENNIAL CONGRESS;
- **Commission on the Sustainability of Rural Systems** – two members of the Steering Committee (Ines Grigorescu and Bianca Mitrică) participated with scientific papers and discussions to the 29th Colloquium “Necessities and implementations for Sustaining Rural Systems in both Developed and less Developed Environments” held in Cairo and the Nile Delta (Egypt), 28 February-4 March 2022.

2. Other collaboration

- Institute of Geography, Romanian Academy (ROMANIA)
- Institute of Geography and Spatial Organization, Polish Academy of Sciences (POLAND) - Inter- Academic Joint Research Project entitled *Internal peripheries in Poland and Romania – role of endogenous and exogenous factors in their development processes*. Coordinators from both sides are members of the Steering

Committee: Bianca Mitrică (Romania) & Konrad Czapiewski (Poland)

- Department of Geography and Environment, Faculty of Social Sciences, Bar-Ilan University, Ramat- Gan (ISRAEL) - Inter-Academic Cooperation Agreement on *Challenges and implications of the urban-rural relationships. Comparative studies from Romania and Israel* Coordinators from both sides are members of the Steering Committee: Ines Grigorescu (Romania) & Michael Sofer (Israel)
- Department of Geography and Spatial Planning of the University of Castilla - La Mancha, Cuenca (SPAIN)
- Spanish Working Group of Local Development, part of the Association of Spanish Geographers (SPAIN)
- Mendel University (CZECH REPUBLIC) - HORIZON 2020 Project - *Social and innovative Platform on cultural Tourism and its potential towards (deepening) Europeanisation identities (SPOT)*, Coordinators from Steering Committee Members for the Romanian side (Bianca Mitrică) and the Israeli side (Michael Sofer)
- National Institute for Geophysics, Geodesy, and Geography, Bulgarian Academy of Sciences (BULGARIA)
- Central European Service for Cross-Border Initiatives – CESCO (HUNGARY), Member of the Presidential Board (Scientific Secretary Bianca Mitrică)
- Institute for Regional Studies, Centre for Economic and Regional Studies, West Hungarian Research Department - Inter-Academic Joint Research Project entitled *The Urban Systems in the Age of Globalization. Geographical Studies with focus on Hungarian and Romanian Cities*. Coordinators from both sides are members of the Commission: Tamás Hardi (Hungary) & Radu Săgeată (Romania)
- Romanian Geographical Society
- Routledge Publishing House

- Journal - *Romanian Journal of Geography/Revue Roumaine de Géographie*
- Journal - *Land* (MDPI)

Digital networking

IGU Local and Regional Development Commission Facebook Group was initiated in November 2022 to facilitate interactions and exchange knowledge and information on conferences and interesting publications between academics interested in topics dealing with local and regional development- related issues. So far, 100 people are part of the Local and Regional Development Commission on Facebook Group. <https://www.facebook.com/groups/3345703419029601>.

D. PUBLICATIONS

Bański J. (ed.), *Routledge Handbook of Small Towns*, 1st Edition, 2021
<https://www.routledge.com/The-Routledge-Handbook-of-Small-Towns/Banski/p/book/9780367555900>

The book is devoted to the role and functions of small towns in the local development of areas representing different socio-economic categories and located in countries with different levels of development and economic systems. Particular attention is paid to issues: theoretical background and research methodology, functional structure of small towns and their role in the urban system, relations between small towns and rural areas and the challenges of spatial planning in the context of shaping the development of small towns. The thematic scope of the book is to cover theoretical, methodical and practical issues related to small towns and rural development. However, the spatial scope has a very wide dimension because it takes into account the subject of small towns issues in 25 countries from Europe, Africa, South America, Asia, and Australia. The authors of the book are mainly committee members.

SECTION 1. SMALL TOWNS – THEORETICAL BACKGROUND AND RESEARCH ISSUES

J. BAŃSKI (POLAND) - *The functions and local*

linkages of small towns – a review of selected classifications and approaches to research.

E. KORCELLI-OLEJNICZAK (POLAND) - *Small towns in settlement systems: a return to the foreground?*

B. OFORI-AMOAHA (USA) - *Small Towns. Theoretical Background and Research Issues - Perspectives from the United States.*

Ch. DEMAZIÈRE (FRANCE) - *Small towns – theoretical background and research issues. Exploring the diversity of small towns in France.*

C. VÁZQUEZ-VARELA, J. M. MARTÍNEZ-NAVARRO (SPAIN) - *Spanish Small towns: evolution, functional structure, and characterization.*

M. ALTANBAGANA, B. SOLONGO, B. MUNGUNCHIMEG (MONGOLIA) - *Determining villages status and their economic functions: The Case of Mongolia.*

SECTION 2. THE ROLE AND SIGNIFICANCE OF SMALL TOWNS IN SOCIO-ECONOMIC DEVELOPMENT

I. IANOS (ROMANIA) - *The small Romanian towns – from creative destruction to destructive creation and back?*

M. AMADO, F. POGGI (PORTUGAL) - *From informal to formal: towards the Sustainable Transformation of Small Towns in Africa.*

A. TAIRA (JAPAN) - *Small but resilient: A case study of the town of Utazu, Kagawa, Japan.*

J. BAŃSKI, W. KAMIŃSKA, M. MULARCZYK (POLAND) - *The natural and migration movements versus population ageing in Poland's small towns.*

L. NOVOTNÝ, M. KULLA, J. NESTOROVÁ-DICKÁ, L. PREGI, S. CSACHOVÁ (SLOVAKIA) - *Performance of small towns in economically lagging*

region: A case study of the Spiš region, Slovakia.

F. POGGI, A. FIRMINO, M. AMADO (PORTUGAL) - *Small towns in the Energy Transition Era: local drivers for Climate Change adaptation?*

B. KOULOV, Ch. MLADENOV

(BULGARIA) - *Contemporary Status of Small Towns in Bulgaria: Functions and Role in the Development of Rural Regions.*

SECTION 3. SMALL TOWNS IN RURAL SPACE

M. SOFER, L. APPLEBAUM, I. AMIT-COHEN, N. COHEN, I. SHMUEL, Y. SHAUL (ISRAEL) - *Perspective on Urban-Rural Relations in Israel's Periphery.*

I. KRISTENSEN, E. SLÄTMO (SWEDEN) - *Urban-rural linkages: an inquiry into second-home tourism in the Nordics.*

K. P. SCHUMACHER, K. M. BORN (GERMANY) - *New rural-urban relationships of small towns in north-western Germany.*

W. LEIMGRUBER (SWITZERLAND) - *Small regional centres at the periphery of Switzerland: Porrentruy and Brig-Glis;*

A. VAISHAR, J. ZAPLETALOVA (CZECHIA) - *Small towns in rural space - the case of Czechia.*

A. COPUS (UK) - *Urban Growth Engines or Relational Proximity? An assessment of enterprise population and business demography indicators in the context of rural and small-town Scotland.*

E. NEL (NEW ZEALAND) - *The role of farmers in small town community development in an age of austerity: reflections from Australasia.*

R. MCAREAVEY (UK) - *Agri-food workers: transnational connections in small towns and rural areas.*

SECTION 4. THE SMALL TOWNS PLANNING CHALLENGES

G. COTELLA, E. BERISHA (ITALY) - *Inter-municipal spatial planning as a tool to prevent small towns' competition. The case of the Emilia-Romagna Region.*

E. MARUNIAK, L. RUDENKO, S. LISOVSKYI, O. DRONOVA, A. MOZGOVYI (UKRAINE) - *Ukrainian small cities in the perspective of sustainable spatial planning.*

A. SORENSEN (AUSTRALIA) - *Small Town Survival in Rural Australia: A New England Case Study.*

S. TSHABALALA, A. GUNTER (SOUTH AFRICA) - *Technologies of Government and Policy implementation in Small Towns Economic Development Plans in Mpumalanga South Africa.*

B. OFORI-AMOA (USA) - *Small Towns in Planning System: The Experience of the United States.*

E. WEBER (FIJI), C. KOTO (MARSHALL ISLANDS) - *Disturbing the creation of a spatial system – Outside intervention and urbanization in the Republic of the Marshall Islands.*

A. SABOGAL DUNIN BORKOWSKA (PERU) - *Challenges of local planning in Peruvian small towns on example of Alexander von Humboldt town in the Amazonian basin.*

Book in preparation

Bański J., Meadows M. (eds.), *Research Directions, Challenges and Achievements of Modern Geography, Springer*

The aim of the book is to identify and discuss research directions, challenges and achievements in contemporary geography. The study is intended to document the most current theoretical and methodological considerations undertaken by scientists representing various sub-disciplines of geography (with particular reference to human geography). It was assumed that the thematic structure of the currently active International Geographical Union Commissions corresponds to the most relevant and current research directions in geography. Thus, representatives actively involved in the work of these Commissions were invited to prepare the individual chapters of the book.

Publications derived from previous conferences (co)organised by the IGU Commission on LRD (2019- 2021): published and in preparation (due 2023)

- From the IGU CLRD Pre-congress seminar *Local and Regional Aspects of Natural Hazards* held in 2021, three papers were published in WOS Journals by the Steering/Corresponding Members:
- Grigorescu I., Popovici A.-E., Damian N., Dumitraşcu M., Sima M., Mitrică B., Mocanu I. (2022) *Adaptation and resilience of sub-urban farming in Bucharest*

metropolitan area in response to COVID-19 pandemic, Land Use Policy, vol. 122, 106351 (Q1/IF: 6.189).

- Mitrică B., Grigorescu I., Mocanu I., Șerban P., Damian N., Dumitrașcu M., Dumitrică C. (2022) *COVID-19 Pandemic and Local Cultural Tourism in the Buzău Carpathians and Subcarpathians (Romania)*, Healthcare, 10(12), 2392 (Q2/IF: 3.160).
- Bański, J., & Kamińska, W. (2022). Trends for agricultural land-use in the CEECs following the collapse of the Eastern Bloc. Land Use Policy, 112, 105794 (Q1/IF: 6.189).
- From the Annual Meeting of the IGU Commission on LRD *Sociodemographic change and its impact on territorial development policies* held in 2022, several publications are in preparation for the Special Issue *Revue Roumaine de Géographie/Romanian Journal of Geography* (due 2023).

Other publishing initiatives for 2023

- (1) **Special Issue Revue Roumaine de Géographie/Romanian Journal of Geography** - in which the results of the Annual Meeting held in Cuenca in September 2022 will be published
- (2) **LAND, MDPI (Q2)** – Joint issue with the *Commissions on Health and the Environment & Land Use/ Cover Change* following the IGU Scientific Seminar on *Health, Environment and Sustainable Development* (December 2023)

URL of the Commission's website.

Website: <http://igu-clrd.igipz.pan.pl/home.html>

E. ARCHIVAL CONTRIBUTIONS

Copies/links of all materials and publications sent to the IGU Secretary General.

International Geographical Union – Union Géographique Internationale

COMMISSION ON MARGINALIZATION, GLOBALIZATION AND REGIONAL AND LOCAL RESPONSE (C 20. 32) ANNUAL REPORT 2022

(by Borna Fuerst-Bjeliš, chair, and Walter Leimgruber, secretary)

A Membership

A 1 Steering committee 2020-2024

Chair of the commission

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Prof. Ruth Kark

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A 2 Members

There are currently 319 persons from 54 countries on our member list, 103 females.

Algeria	1	Japan	13
Argentina	9	Malaysia	4
Australia	4	Mexico	3
Austria	2	Namibia	1
Bangladesh	2	Nepal	22
Bosnia	2	Netherlands	2
Brazil	2	New Zealand	5

Canada	6	Nigeria	1
Chile	1	Norway	3
China, PR	5	Poland	12
China Taipei	4	Portugal	10
Costa Rica	1	Qatar	1
Côte d'Ivoire	1	Romania	15
Croatia	15	Saudi Arabia	1
Czech Republic	7	Slovakia	1
Denmark	1	Slovenia	9
Ethiopia	2	South Africa	5
Finland	7	South Korea	1
France	9	Spain	22
Germany	7	Sweden	14
Hong Kong	4601	Switzerland	12
Hungary	2	Tunesia	1
Iceland	1	Turkey	10
India	14	UK	11
Indonesia	1	USA	16
Ireland	2	Vietnam	1
Israel	6		
Italy	8	TOTAL	319

B Meetings

The commission met on the occasion of the IGU Centennial Congress in Paris, July 18 - 22. Unfortunately, neither the chair nor the secretary could attend the event for health reasons.

We had announced three paper sessions with the general topic of marginality. They were organized and convened by Irène Carpentier (University of Montpellier), Martine Guibert (University of Toulouse – Jean Jaurès), and Borna Fuerst-Bjeliš/Ivan Šulc (University of Zagreb).

Two sessions were held in French and Spanish, the third in English. A total of 23 papers were presented. Three separate session reports had been transmitted to the secretary.

The three sessions had different foci. Session I on large agricultural projects was dominated by case studies from Africa and South America, Session II

was fairly varied, ranging from demography to tourism. Session III concentrated on the Maghreb, particularly Morocco. Most of the presentations were in person, although in a few instances speakers or co-authors participated online.

Their overall impression was positive, and the papers offered a platform for methodological discussions as well as ideas for further research. Potential topics are spatial inequalities and how they are dealt with, the valorization of local resources, tourism and socio-economic development, and regional agricultural projects in the framework of a globalized economy and the environmental challenge.

Papers presented by session in chronological order:

- I. Grands projets agricoles dans les périphéries des Suds : des logiques adaptées aux transitions actuelles ? (19 July, Martine Guibert)
1. Frédéric Fortunel, La firme, le paysan et la qualité. Regards comparés Chine et Vietnam
2. Damien CALAIS, L'intégration des périphéries par le développement agricole aux Émirats arabes unis : des enjeux géopolitiques et sociaux à la compétitivité économique
3. Laetitia Perrier-Bruslé, Marc Piroux, Sortir du paradigme de l'isolat : insertions des grands projets agricoles dans les trajectoires locales. Étude comparée Bolivie (Norte La Paz) Brésil (Para, munícipe de Mocajuba)
4. Soledad Figueredo, Martine Guibert), Pedro Arbeletche, Lógicas productivas en clave dinámica. Los grandes agricultores en Uruguay
5. Eve Anne Bühler, Júlia Adão Bernardes, Roberta Arruzzo, Bruno Zucherato, Dans le sillon des grands projets agricoles : l'appropriation illégale de terres dans le Xingu-Araguaia (Mato Grosso - Brésil)
6. Bruna Albuquerque, Samuel Frederico, Martine Guibert, Grands projets agricoles et conflits fonciers dans le Sud du Piauí (Brésil) : *appropriation foncière et reconnaissance des populations locales*

7. Marthe Koffi Didia, Jean-Louis N'koumo, Evelyne Mesclier, Les stratégies des grandes plantations dans les périphéries de la métropole abidjanaise
 8. Akoua Assunta Adaye, Projet hévéicole et sécurité alimentaire des ménages de la Sous-préfecture de Famienkro, en Côte d'Ivoire
 9. Nicole Bernex, Agroindustrie et stratégies d'occupation territoriale, département de Loreto (Amazonie péruvienne)
 10. Célia Auquier, Anaïs Marshall, La permanence d'une action publique guidée par la logique de grand projet agricole. Les cas des projets Chavimochic et Olmos sur la côte péruvienne
 11. Delphine Acloque, Grands projets agricoles dans les marges désertiques égyptiennes : entre paradigme de la modernisation et contraintes environnementales croissantes
 - II. *Global and Regional Inequalities. What does the past teach us for the future?* (20 July, Ivan Šulc)
 12. Ivan Šulc, Borna Fuerst-Bjeliš, (Post)pandemic tourism as a new challenge to marginal areas – selected case studies of mountain and remote island destinations in Croatia
 13. Moira O'Neill, *Dispatches from the Cold War: The geography of defense spending as a driver of socio-spatial inequality*
 14. Mihail Eva, Alexandra Cehan, Ema Corodescu-Rosca, Sébastien Bourdin, *Spatial patterns of regional inequalities: empirical evidence from a large panel of countries*
 15. Alfonso Vita, Paulo Nossa, Fernanda Cravidão, *The geography(s) of the slave route(s) in Angola: developing the future and rescuing the past through memory tourism*
 16. Krystian Heffner, *Population Ageing and Decline as Marginalization Processes in Central and Eastern Europe. Challenges for Regional Development Policy*
 - III. La valorisation internationale du local au sud de la Méditerranée : entre impasses et recompositions territoriales (21 July, Irène Carpentier)
 17. Damiano De Facci, *L'entrepreneuriat au Maghreb comme instrument de développement local : les limites d'une politique publique*
 18. Salima Salhi, Saïd Boujrouf, *L'Inadaptation des actions publiques et globales dans les 'zones ca- chées' au développement territorial standardisé de la région de Marrakech Safi- Maroc*
 19. Merryl Joly, *L'hébergement touristique : un nouvel enjeu de régulation et de gouvernance pour les pouvoirs publics marocains*
 20. Sihem Kdada, Brahim Badidi, *Les nouveaux dispositifs de mise en valeur des produits de l'oléiculture : outil de recomposition des systèmes de production et des territoires d'"arrière-pays" au Maroc*
 21. Bouchra Karroud, *Le lavandin à Oulmès (Plateau central marocain). La trajectoire perturbée d'une spécificité en construction*
 22. Majda Mourou, *Les terroirs du Figuier : Analyse du processus de mise en spécificité et de recomposition des territoires par les politiques de valorisation des produits de terroir dans le pays des Ait Baamrane à l'Anti Atlas Occidental du Maroc*
 23. Wafaa Benhsain, Saïd Boujrouf, *Réserve de Biosphère d'Arganeraie : Innovation, émergence et recomposition des territoires. Cas de la vallée d'Ammlen-Maroc*
- An additional paper session on “Plight of the Marginalized Women in the Developing World” had been announced by Mohana Basu (India), but the plan could not be realized for technical reasons.

C Networking

c) 1. Collaboration with other IGU Commissions and Task Forces

We had no formal collaboration with other Commissions or Task Forces of the IGU in 2022

c) 2. Other collaboration

Due to the pandemic, there was no formal

collaboration with other organizations, with the International Social Science Council or the International Council for Science in 2021.

D Publications

5.1. Newsletters, special journal issues, and books published in 2018

We issue two Newsletters annually, one in June/July, the second in December. Since 2017, they feature an editorial written by the chair.

In addition, seven short NewsFlashes were sent to our members in 2022. They are a means to maintain contact and inform members of specific events or new publications.

5.2. Books and other publications

Two more volumes in the Springer Series '*Perspectives on Geographical Marginality*' have been published or are in production.

1. Edited by Borna Fuerst-Bjeliš, Etienne Nel and Stanko Pelc, it comprises 16 chapters on *COVID-19 and Marginalization of People and Places*. It is a first attempt to assess the

consequences of the pandemic from the Commission's perspective (volume 7).

2. A further volume, *Nature, Society, and Marginality* edited by Pushkar K. Pradhan and Walter Leimgruber is scheduled for publication in early 2022 (volume 8).

The series will be continued.

5.3. The current accurate URL of the commission's web site

Our new website address is:
<https://sites.google.com/site/stankopelc/>

It has been set up and is maintained by our member and former chair Stanko Pelc (University of Primorska, Koper, Slovenia)

The Commission has also a page on Facebook, maintained by Prof. Daichi Kohmoto (Kobe University, Japan)

<https://www.facebook.com/GeographicalMarginality>

Borna Fuerst-Bjeliš, Walter Leimgruber
 Zagreb/Fribourg, 30.11.2022

COMMISSION ON MEDITERRANEAN BASIN (COMB)

ANNUAL REPORT 2022

A. Membership

Current Steering Committee

Chair: Anastasia Stratigea (2020-today) - Professor (Spatial Planning and Policy), National Technical University of Athens, School of Rural, Surveying and Geoinformatics Engineering, Dept. of Geography and Regional Planning - Greece - stratigea@central.ntua.gr

Honorary Chair - Maria Paradiso - University of Milan Statale - Italy - maria.paradiso@unimi.it
Executive Secretary: Mohamed Alouat – ENSB Ecole Nationale Bouzereah - Algeria - alouat777@yahoo.fr

Fathy Abo Ayana - University of Alexandria - Egypt - aboyana@yahoo.com
Habib Ben Boubaker - University of Manouba - Tunisia - hboubaker@yahoo.fr
Lluis Frago - University Autònoma de Barcelona - Spain - llfrago@ub.edu

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Antoine Le Blanc - Université Littoral - France - Antoine.Le-Blanc@univ-littoral.fr
Jelena Lukovic - University of Belgrade - Serbia - jlucovic@gef.bg.ac.rs

Itzhak Schnell - Tel Aviv University - Israel - schnell@post.tau.ac.il

Mehmet Semoncu - University of Ankara - Turkey - mehmet.Somuncu@ankara.edu.tr
Barney Warf - University of Kansas - United States - bwarf@ku.edu

Honorary Board

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Aharon Kellerman - University of Haifa - Israel -

akeller@univ.haifa.ac.il

Sala - University of Barcelona - Spain - sala@trivium.gh.ub.es

COMB counts for 231 members. Their origin country is shown in the following table:

Country	Number
Germany	11
Spain	19
France	51
Ireland	1
Italy	21
United Kingdom	5
Luxemburg	1
Israel	6
Slovenia	3
Netherlands	1
Serbia	1
Turkey	5
Portugal	8
Cyprus	1
Lebanon	1
Japan	4
Singapore	1
Finland	2
Australia	1
Hungary	1
Russia	2
Algeria	1
Greece	22
Not identified origin	61

B. Meetings

- a. The meetings your commission organized in 2022 with information on their locations, dates, and numbers of participants. **2022 Centennial Congress, Paris, July 18-22**

COMB has proposed a slot in the Centennial IGU Conference entitled “Mediterranean in Transition - Current Challenges and Future Perspectives”. This slot was co-organized by COMB members Anastasia Stratigea (Greece), Izhak Schnell (Israel), and Antoine LE BLANC (France). Approx. 50 participants (presenters of each session included) attended the three sessions of the slot.

2022 ICCSA

(International Conference on Computer Science and its Applications), Malaga, July 4-7

COMB has collaborated in the context of the ICCSA 2022 Conference as co-organizer of two workshops, namely:

1. Workshop on ‘**Cities, Technologies and Planning**’ (CTP). The workshop was organized in cooperation with Giuseppe Borruso (University of Trieste), Malgorzata Hanz (Lodz University of Technology, Beniamino Murgante (University of Basilicata), Anastasia Stratigea (COMB – National Technical University of Athens), Ginevra Balletto (University of Cagliari) and Ljiljana Zivkovic (Republic Geodetic Authority). Attendants approx. 40 participants (presenters of each session included).
2. Workshop on ‘**Smart and Sustainable Island Communities**’ (SSIC). The workshop was organized by Chiara Garau (DICAAR, University of Cagliari), Anastasia Stratigea (COMB – National Technical University of Athens), Paola Zamperlin (University of Pisa) and Francesco Scorza (University of Basilicata). Attendants approx. 45 participants (presenters of each session included). **Activities of the - Organization of the conference: “Water resources and Observatory on Religious and Migratory Phenomena, coordinated by Prof.**

Mauro Spotorno.

Environmental sustainability. The contribution of religious laws”, Genoa, 10-11 May 2022.

- Coordination, with Dr. Silvia Omenetto (University of Rome "La Sapienza"), of the Session "For a geography of religions in Italy between foundational narratives, critical issues and new research perspectives", Day of studies "Beyond Globalization / Narrations", Como, December 9, 2022.
- b. Research on territorial dynamics and sustainable development in Pantelleria. The first results will be presented by the contribution titled "A stratigraphy of the narrations of the Pantelleria territory", Day of studies "Beyond Globalization / Narrations", Como, 9 December 2022. A brief summary of the topics addressed at each meeting and the findings or conclusions resulting from the discussions if appropriate (please do not simply paste in the conference programme!). Please highlight any new initiatives and insights identified at each meeting. Note, please do not include the full conference programme but please do include a photograph or two if you have them) **2022 Centennial Congress, Paris, July 18-22**

The scope of the COMB sessions was to vision a sustainable and peaceful future for the Mediterranean Region and its communities. Based on a multi and inter-disciplinary stand, the sessions illuminated distinct dimensions of such a future i.e. social, political, historical, geographical, cultural, spatial, economic, environmental, technological, etc.; attempting also to effectively merge technical and technological knowledge with socio-economic, cultural and environmental dimensions to the benefit of Mediterranean communities. Discussion on topics, related to both the land and marine environment, as essential and inseparable parts of this area, was carried out in the sessions. As such were considered topics related to the globally sustained key objectives for tomorrow cities (e.g., UN Agenda 2030, New Urban Agenda – Habitat III, Sendai Framework for Disaster Risk Reduction), i.e. smart, sustainable, resilient and safe communities; issues relative to climate

neutrality; socio-political changes in the Mediterranean Region; and topics related to the specific cultural reality and assets of this region and the ways these can be preserved and sustainably exploited for adding value to this future vision and ensure quality of life of their inhabitants. The sessions incorporated research work and evidence-based results and have created a fruitful interaction among researchers engaged in this particular and vulnerable spatial context of the Mediterranean Region.

Discussion on the COMB proposed theme was deployed in three Conference sessions – two F2F and 1 virtual –, incorporating presentation of 12 papers in total. **022 ICCSA**

(International Conference on Computer Science and its Applications), Malaga, July 4-7

6. Workshop on ‘Cities, Technologies and Planning’ (CTP).

Two sessions were organized in the context of this workshop, incorporating presentation of 8 papers. Key issues in the discussion were focused on the recent development of technology and its applications in urban contexts and small urban constellations, assessing both the potential as well as the fragility of those left behind such developments. Discussions have gone through a variety of topics of concern in the urban environment, namely social, environmental, economic, risk management, territorial inequalities, mobility, sustainability, participatory planning, resilience, etc. and the potential of technology in coping with current challenges of such environments.

7. Workshop on ‘Smart and Sustainable Island Communities’

Two sessions were organized in the context of this workshop, incorporating presentation of 8 papers. The focus of discussion comprised current challenges of insular communities as fragmented and disadvantaged geographical territories. Specific emphasis was placed on advantages of such regions, mostly associated with land and underwater cultural heritage, social values, traditions, linkages to the sea etc. as well as with current challenges related to clean energy, waste

management, Integrated Land and Marine Spatial Planning, land use changes and coastalization due to tourism, etc. The meetings or other events you plan to hold in 2023 and later years, including locations, dates, and the topics/themes to be addressed.

Collaboration of COMB in the context of the “Ocean and Seas in Geographical Thought”, IGU Thematic conference, Milano, June 6-7

COMB collaborates with a number of IGU Commissions in the context of the above Thematic Conference (<https://igu-chg-2023.unimib.it/>). Additionally, by this chance, it has proposed a joint session with COM16.20 on “Geography of Information, Innovation, and Technology” entitled: “Current and emerging challenges and prospects in the Mediterranean coastal and marine scenery”. Specific, but not exclusive topics, of this session are:

- Current and emerging challenges in the marine environment in general (e.g. other European or world seas) and the Mediterranean in particular (climate change, maritime energy infrastructures, competing maritime uses).
- Sustainable blue economy.
- Maritime Spatial Planning Coordination with land-based spatial developments at various policy making levels.
- Governance aspects in the marine environment.
- Land marine interaction (ports, fishing, tourism, energy, etc.).
- Smart and sustainable island communities ICT-enabled and integrated approaches of land and maritime spatial and developmental planning. Coastalization and touristification trends in coastal and insular regions – impacts on coastal and marine ecosystems.
- Sustainable and resilient exploitation of underwater cultural heritage Unveiling historical trails of the European seas.
- Information and Communication

Technologies (ICTs) and their applications in coastal and marine space in pursuing sustainability and resilience concerns (e.g. smart ports, marine surveillance, smart marine traffic management). **2023 ICCSA**

(International Conference on Computer Science and its Applications), Athens, July

Previous collaboration in the context of ICCSA is continued in 2023. In this respect, Chair of COMB, Anastasia Stratigea (National Technical University of Athens) in cooperation with the Univ. of Aegean, Dept. of Geography, will be the Local Organizers of ICCSA 2023. In addition, they will co-organize the following workshops (already accepted):

1. Workshop on ‘**Cities, Technologies and Planning**’ (CTP). The workshop will be organized in cooperation with Giuseppe Borruso (University of Trieste), Malgorzata Hanz (Lodz University of Technology, Beniamino Murgante (University of Basilicata), Ginevra Balletto (University of Cagliari) and Ljiljana Zivkovic (Republic Geodetic Authority).

Discussion themes

Open Government; Open Data; Resilient cities; Smart cities and Sustainable Urban Development; GIS-based mobile applications for Smart Cities; Planning 2.0; Planning 3.0; Participation 2.0; Urban social networks, Urban sensing; E-democracy, E-participation, Participatory GIS; Technologies for e- Participation, policy modelling, simulation and visualisation; Second Life and participatory games; Social networks and collaborative/participatory approaches; Ubiquitous Computing Environment - Urban computing - Ubiquitous-City; Neogeography; Collaborative mapping; Geotagging; SDI and Planning; VGI VS SDI; Volunteered Geographic Information; Crowd sourcing; Ontologies for Urban planning; City Gml; Geo-applications for mobile phones; Web 2.0; Web 3.0; Wikinomics, Socialnomics; WikiCities; WikiPlanning; Maps mash up; Tangible Maps and planning; Risk assessment & Emergency management; Resilient cities; Renewable Energy for Cities and Smart grids; Augmented Reality; Complexity assessment and

mapping; 15-minutes city; Urban data spaces; Digital Twin City.

2. Workshop on ‘**Smart and Sustainable Island Communities**’ (SSIC). The workshop will be organized in cooperation with Chiara Garau (DICAAR, University of Cagliari), Paola Zamperlin (University of Pisa), Francesco Scorza (University of Basilicata) and Yiota Theodora (National Technical University of Athens)

Discussion themes

- Exploration of current national and international initiatives, knowledge and practice on the topic of smart and sustainable islands’ development. Identification of strengths and structural weaknesses of various types of island regions.
- Exploration of the use of technological advances for establishing strong links among productive sectors in insular communities and creating value chains as a driving force for adding value to the economy and society of island territories.
- Potential smart applications for serving environmental, societal and sectoral needs and goals of island regions, with special emphasis on smart governance and spatial data management for place-based decision-making and monitoring of spatial dynamics in island contexts.
- Integrated participatory planning in island regions as an essential tool for setting up effective strategies and related policy paths for sustainable and resilient resource management and more promising future developmental trails of island communities.
- Delineation of practical or theoretical guidelines or strategies for establishing smartness in “fragile” insular spatial contexts, also in terms of mobility and distributive logistics.
- Consideration of technology at the service of islands’ sustainability, resilience, cultural development, citizens’ empowerment and engagement, strengthening of identity and

social ties, etc.

C. Networking

- a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces during 2022.

-Collaboration, if any, with other international, intergovernmental, or inter- and multi- disciplinary bodies in 2022.

Collaboration in the context of the International Conference on Computer Science and its Applications (ICCSA) 2022, COMB as a co-organizer of two workshops on “Cities, Technologies and Planning” (CTP) and “Smart and Sustainable Island Communities” (SSIC), Malaga, July 4-7.

- b. Cooperative efforts, if any, with the International Science Council (ISC) and the International Council for Philosophy and Human Sciences (CIPSH) programs, etc.

-Publications

- The list of publications pertaining to the COMB themes, authored or edited by members of the COMB members, that were presented in meetings or sessions organized or endorsed by COMB, is presented below.
- **Special Issues, books and articles published in 2021-22** Spotorno, M. and Tarantino, D. (2021). *Migrants and the challenge of the faith: identity and adaptation*. Publisher PM edizioni, 2021, ISBN 8831222279, 9788831222273.
- Stratigea, A. and Koplin, M. (2021), *Indulging in Preservation and Sustainable Management of*
- Land and Maritime Cultural Resources in Current Times, Special Issue, *Heritage*, https://www.mdpi.com/journal/heritage/special_issue/s/land_and_maritime_cultural_resources.
- Brocada, L., Mangano, S., Panizza, E., Piana, P., Primi, A. and Spotorno, M. (2022), *Hidden geographies of the Ligurian islands between landscape conservation and tourist enhancement*. Paper presented at the UGI Congress, Paris, July 18-22.

- Desille, A. (2022). Local immigration policies in Israel: the paradox of autonomy.
- *Territory, Governance and Politics*, <https://doi.org/10.1080/21622671.2022.2114535>.
- Desille, A. (2022). Border regions, migration and place-making: the case of Trás-os-Montes in Portugal. *Cidades, Comunidades e Territórios*, No. 44, 1-18, <http://journals.openedition.org/cidades/5434>
- Desille, A. & Sadi-Ibraheem, Y. (2021). It's a matter of life or death: Jewish migration and dispossession of Palestinians in Acre (Israel). *Urban Planning*, 6(2), 32-42, <https://doi.org/10.17645/up.v6i2.3676>.
- Spotorno M. (2022), *Il Marocco e la sfida religiosa dei nuovi flussi migratori*. In R. Carpi (edited by), *Algebar – Il canneto editore*, Genoa.
- Stratigea, A. and Chen, J. (2022), *Coping with Coastal and Maritime Sustainability Concerns in the Mediterranean*, Special Issue, *Ocean and Coastal Management Journal*, <https://www.sciencedirect.com/journal/ocean-and-coastal-management/special-issue/10D695QM9KQ>.
- Lagarias, A., Zacharakis, I., Stratigea, A. (2022). Assessing Coastal Urban Sprawl and the
- “Linear City Model” in the Mediterranean – The Corinthian Bay Example. In: Gervasi, O., Murgante, B., Misra, S., Rocha, A.M.A.C., Garau, C. (Eds.) *Computational Science and Its Applications – ICCSA 2022 Workshops*. ICCSA 2022. Lecture Notes in Computer Science, Vol. 13378, pp. 439-456, Springer, Cham. https://doi.org/10.1007/978-3-031-10562-3_31
- Koutsis, D., Stratigea, A. (2022). Locus of Underwater Cultural Heritage (UCH) in Maritime Spatial Planning (MSP): A Data-Driven, Place-Based and Participatory Planning Perspective. In: Gervasi, O., Murgante, B., Misra, S., Rocha, A.M.A.C., Garau, C. (Eds.), *Computational Science and*

Its Applications – ICCSA 2022 Workshops. ICCSA 2022. Lecture Notes in Computer Science, Vol. 13379, pp. 686–702, Springer, Cham. https://doi.org/10.1007/978-3-031-10545-6_46

- Koutsi, D., Stratigea, A. (2022). Spatial Integration of Land and Underwater Cultural Heritage for leveraging Local Development – The Leros Example. In (pp. 60-75), In S. Anagnostou, V. Gavalas & G. Korres (Eds.), *Spatial Planning, Cultural Heritage and Local Development” Theory, Methods, Practices and Case Studies*, ISBN: 978-618-00-4005-0 (in Greek).
 - Stratigea, A., Alexopoulos, A., Sapounas, S. and Bistaraki, A. (2022), Coping with COVID-19 Pandemic in Greece: A Joint Effort at the National and Urban Level. In C. Nunes Silva (Ed.), *Local Government and the Covid-19 Pandemic - A Global Perspective* (pp. 363- 404) (Chapter 15), Springer Cham, ISBN 303091111X, 9783030911119,
 - https://doi.org/10.1007/978-3-030-91112-6_15. (Paper presented in the 2021 IGU Conference,
 - Istanbul). Lagarias, A. and Stratigea, A. (2022), Coastalization Patterns in the Mediterranean: A Spatiotemporal Analysis of Coastal Urban Sprawl in Tourism Destination Areas, *GeoJournal*, <https://doi.org/10.1007/s10708-022-10756-8>.
 - Koutsi, D., Lagarias, A. and Stratigea, A. (2022), Evidence-Based Exploration as the Ground for Heritage-Led Pathways in Insular Territories: Case Study Greek Islands. *Heritage*, 5, 2746. <https://doi.org/10.3390/heritage5030143>.
 - Koutsi, D., Lagarias, A. and Stratigea, A. (2022), Coping with Global and Insularity Challenges in Small and Medium-Sized Mediterranean Islands: Towards Sustainable, Resilient and Heritage-Led Future Pathways in Greek Insular Territories, Paper presented at the IGU Centennial Congress, Paris, July 18-22.
 - Lagarias, A., Zacharakis, I. and Stratigea, A. (2022), Unsustainable Coastal Urban Sprawl Patterns and the Emerging “Linear City Model” in the Mediterranean Region – The Corinthian Bay Example. Paper presented at the IGU Centennial Congress, Paris, July 18-22.
 - Lagarias, A., Zacharakis, I. and Stratigea, A. (2022), Assessing the Coastal vs Hinterland Divide by Use of Multitemporal Data: Case Study in Corinthia, Greece. *European Journal of Geography* (EJG), 13, 2, pp. 1-26, DOI <https://doi.org/10.48088/ejg.a.lag.13.2.001.026>.
 - Leka, A., Lagarias, A., Panagiotopoulou, M. and Stratigea, A. (2022), Development of a Tourism Carrying Capacity Index (TCCI) for Sustainable Management of Coastal Areas in Mediterranean Islands – Case Study Naxos, Greece. *Ocean & Coastal Management Journal* 216, <https://doi.org/10.1016/j.ocecoaman.2021.105978>.
 - Garau, C., Desogus, G. and Stratigea, A. (2022). Monitoring Sustainability Performance of Insular Territories against SDGs – The Mediterranean Case Study, *Journal of Urban Planning and Development*, 148(1), Doi: 10.1061/(ASCE)UP.1943-5444.0000809.
- c. **The current (accurate) URL of the commission’s website.**
- COMB is currently in the process of establishing a new website.
- D. Archival Contributions**
- Materials and publications transmitted to the IGU archives by your commission. Copies (soft copies if appropriate) of all newsletters, monographs, special journal issues, etc. should be sent to the IGU Secretary-General upon publication for transmission to the archivist.
- Photographs from your meetings, field excursions, or other events that you are willing to share are especially gratefully received and will be included in the IGU e-Newsletter.

COMMISSION ON MODELING GEOGRAPHICAL SYSTEMS (MGSC) ANNUAL REPORT 2022

A. Membership

The steering committee of Modeling Geographical Systems Commission (MGSC) consists of chair, secretary, 9 honorary advisory members, and 10 steering committee members, as shown in Figure 1. All members of MGSC steering committee are listed as follow:

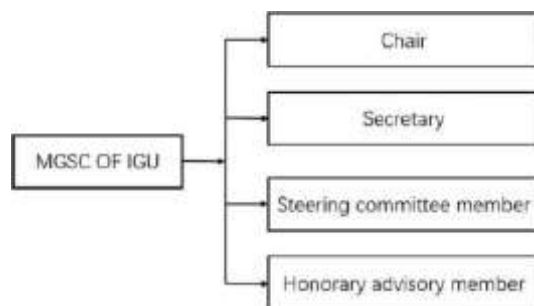


Figure 1. Structure of MGSC steering committee

Chair

Prof. Min Chen

Nanjing Normal University, China

Links: <http://schools.njnu.edu.cn/geog/person/min-chen>
Email: chenmin0902@163.com

Secretary

Prof. Wei Luo

National University of Singapore, Singapore

Links: <https://ap5.fas.nus.edu.sg/fass/geowl/>
Email: geowl@nus.edu.sg

Honorary Advisory Member (Alphabetically ordered by last name) Prof. Luc Anselin

University of Chicago, USA

Links: <https://spatial.uchicago.edu/directory/luc-anselin-PhD>
Email: anselin@uchicago.edu

Prof. Michael Batty

University College London, UK

Links:

<https://www.urbantransformations.ox.ac.uk/blog/>

Email: m.batty@ucl.ac.uk Prof. Stewart Fotheringham Arizona State University, USA

Links: <https://isearch.asu.edu/profile/2372224>

Email: sfotheri@asu.edu

Prof. Tony Jakeman

Australian National University, Australia

Links:

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- ajEmail: tony.jakeman@anu.edu.au

Prof. Mei-Po Kwan

The Chinese University of Hong Kong, HKSAR, China

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Prof. Xin Li

Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China

Links: http://sourcedb.itpcas.cas.cn/cn/expert/201806/t20180619_5027698.html

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Prof. Guonian Lü

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Prof. Josef Strobl Universität Salzburg, Austria

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Prof. Jinfeng Wang

Institute of Geographic Sciences and Natural Resources Research, CAS, China

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Steering Committee Members (Alphabetically ordered by last name) Prof. Tao Cheng

University College London, UK

Links: <https://www.ucl.ac.uk/work-at-ucl/our-community/meet-our-community/professor-tao-cheng>

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Prof. Barry Croke

Australian National University, Australia

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Prof. Andreas Koch Universität Salzburg, Austria

Links: <https://www.uni-salzburg.at/index.php?id=22767&L=1>

Email: andreas.koch@sbg.ac.at

Prof. Manish Kumar

Central University of Haryana, India

Links:

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Prof. Erik Nixdorf

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<https://www.ufz.de/index.php?de=38476> Email: erik.nixdorf@ufz.de

Prof. Antonio Páez McMaster University, Canada Links:

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Prof. Karel Stane

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Prof. Rumiana Vatsева

Bulgarian Academy of Sciences, Bulgaria Links:

http://www.niggg.bas.bg/wp-content/uploads/2018/11/geography/gis/en/R_Vatsева.html

Email: rvatseva@gmail.com

Additionally, MGSC already has 146 members since May 2021 when our commission started calling for new members formally. The counts of members by country are listed as Table 1.476

Table 1. Counts of members by country

Country	Coun ts
China	107
USA	8
India	5
Austria	3
Singapore	3
UK	3
Australia	2
Canada	2
Japan	2
Germany	2
Brazil	1
Bulgaria	1
Czech	1
France	1
Portugal	1
South Korea	1
Spain	1
Sri Lanka	1
Uganda	1

This year, MGSC has called for Nominations for IGU Outstanding Achievement Award (OAA) and Excellent Young Scholar Award (YSA) in Modeling Geographical Systems. The awards committee selected one winner for OAA and two

winners for YSA from our members.

OAA in Modeling Geographical Systems

Prof. Michael Batty

Dr. Christopher Higgins

YSA in Modeling Geographical Systems

Dr. Li He

B. Meetings

Organized and co-organized meetings

1. The session of Geographic information modelling and simulation in the era of big data in IGU Paris 2022 (Online, July 22, 2022, 7 speakers)

In this session, 7 experts and scholars attended this session and gave presentations. Several topics, including Substantial Development, Big Data and Climate Change, Plant Nitrogen Content Estimation, Land Value Uplift, Model Sharing and

Reuse, Rooftop Solar Potential Evaluation, and Geographic Simulation Reproduction, were discussed by attendees. As shown in Figure 2.

2. The second training course on Chinese geographical analysis models (Online, July 30th to August 6th, 2022, 2044 students from over 10 countries)

This training course focused on the topic “Spatiotemporal modeling and analysis”. Four models are introduced in detail, including the GeoDetector model developed by the team of Prof. Jingfeng Wang (Institute of Geographic Sciences and Natural Resources Research, CAS), the GeoSOS model developed by the team of Prof. Xia Li (East China Normal University), the HASM model developed by the team of Prof. Tianxiang Yue (Institute of Geographic Sciences and Natural Resources



Research, CAS), and the GWmodelS model developed by the teams of Prof. Bingbing Lu (Wuhan University) and Prof. Guanpeng Dong(Henan University), as shown in Figure 3. The success of this training course can promote the construction of the Chinese geographic model ecosystem and the open and sustainable geographic model community. It can also facilitate model reusing, knowledgesharing, and collaborative geographic research.

Figure 3. The second training course on Chinese geographical analysis models

3. 2022 Annual Academic Conference of the Geographic Modeling and Geographic Information Analysis Committee of the Chinese Geographical Society (Nanjing China, September 17-18, 2022, more than 300 participants)

The theme of the conference is "Geographic Temporal Analysis of Environment and Health", "Healthy City Modeling".

This conference effectively promoted mutual

Information Modeling and Simulation in the New Era of Geography - Exploration and Practice", and the conference aims to explore new opportunities,new positions, and new paradigms for the development of geographic information modeling and geographic information analysis in the interdisciplinary context.

The conference attracted more than 300 experts and scholars from nearly 70 universities and research institutes in China, including more than 180 offline participants and more than 120 online participants and presenters. 14 sessions were also conducted to discuss 14 hot topics respectively, for example, "Geographic Modeling Theory and System Construction Methods", "Geographic Modeling and Spatial Data Analysis Teaching Research", "Earth System Model Theory, Analysis and Application", "Crime⁴⁷G⁹ eography Theory and Modeling", "Spatial and

learning and exchange among experts and scholars from all over China and enhanced the friendship among the participants through 150 geographic modeling-related presentations.



Figure 4. 2022 Annual Academic Conference of the Geographic Modeling and Geographic Information Analysis Committee of the Chinese Geographical Society

4. IGU Thematic Conference (Mahendergarh, India, November 24 and 25, 2022)



Figure 5. IGU Thematic Conference

C. Networking

In 2022, MGSC has collaborated with several IGU Commissions and other international organizations in conferences and training courses. They are listed as follow:

IGU Commissions

Commission on African Studies

Commission on Biogeography and Biodiversity
Commission on Climatology

Commission on Cold and High Altitude Regions
Commission on Gender and Geography

Commission on Geography for Future Earth:
Coupled Human-Earth Systems for
Sustainability Commission on Geo-heritage

Commission on Hazard and Risk

Commission on Karst, Commission on Land
Degradation and Desertification Commission on
Land Use and Land Cover Change Commission on
Mountain Studies

Commission on Political Geography

Commission on Transport and Geography and the

IGU Task Force for Young & Early Career
Geographers

Other international organizations

Open Modeling Foundation (OMF)

Asian Geographical Association (AGA) Young
Geographer Working Group (YGWG)
International Society for Digital Earth (ISDE)
Working Group of Education and Capability
Building for Digital Earth

D. Publications

There is no paper published this year.

The website of the commission is <http://www.igu-geomodeling.com/>. News about the commission is published on the website and sent to our members via Google Group (igu-mgsc@googlegroups.com).

E. Archival Contributions

During the period in question, no archival contributions have been made. We hope we can post events on the IGU website in the future.

COMMISSION ON MOUNTAIN STUDIES ANNUAL REPORT 2022

A. Membership

The Commission of Mountain Studies (CMS) of the International Geographical Union (IGU) was restructured in 2020, after receiving approval for its objectives and roster. The CMS is currently comprised of the following members:

STEERING COMMITTEE EXECUTIVE 2020-2022

- **Chair: Fausto O. Sarmiento, Ph.D.**

Full Professor. Director, Neotropical Montology Collaboratory. Department of Geography, University of Georgia, Athens, Ga. UNITED STATES OF AMERICA / ECUADOR

Research topics: human-environment relations research; socioecological mountain ecosystems, mountainscape transformation and dynamics of land cover/land use, biocultural diversity conservation, critical biogeography and political ecology of microrefugia in neotropical mountains.
E-mail: fsarmien@uga.edu

- **Vice Chair: Alexey Gunya, Ph.D.**

Full Professor. Department of Physical Geography. Institute of Geography, Russian Academy of Sciences, Moscow, RUSSIA.

Research topics: Land use change, mountain development, landscape ecology, sustainable development, society and environment, governance, political ecology. **E-mail:** a.n.gunya@igras.ru

- **Co-Vice Chair: Irasema Alcántara-Ayala, Ph.D.**

Full Professor. Department of Physical Geography. Institute of Geography, National Autonomous University of Mexico (UNAM), MEXICO

Research topics: integrated disaster risk research,

disaster risk reduction and management, mountain governance, mass movement processes, risk perception and risk communication. **E-mail:** irasema@igg.unam.mx

- **Secretary and website node: Pankaj Kumar, Ph.D.**

Assistant Professor. Dept. of Geography

Delhi School of Economics. University of Delhi. Delhi-110017, INDIA

Research Topics: Mountain Geography, Hazard and Disaster, Snow Cover Dynamics, Remote Sensing and GIS, Soil and Water Assessment. **E-mail:** pankajdsedu@gmail.com **Steering Committee Board Members**

- **Barbaros Gönençgil, PhD.**

Full Professor of Geography. Head, Department of Geography, Istanbul, University. TURKEY.

• **Research Topics:** Mountains in climate. Long-term trends of climate change in Turkey. Temperature-driven dynamics of Turkish mountain regions. **E-mail:** barbaros@istanbul.edu.tr

- **Marten Geertsema, Ph.D., Pag, Pgeo**

Ministry of Forests, Lands & Natural Resource Operations / Adjunct Professor. Department of Ecosystem Science and Management. University of Northern British Columbia, CANADA **Research topics:** natural hazards and terrain analysis; influence of landslides on biophysical diversity; effects of climate change on natural hazards, and studies past and present hazard regimes. **E-mail:** Marten.Geertsema@gov.bc.ca

- **Matthias Schmidt, Ph.D.**

Professor Doctor. Institute of Geography. University of Augsburg, GERMANY

Research topics: Natural resource management, political ecology and environmental planning, mountain geography, landscape transformation, regional specialization in central and South Asian mountains.

E- mail: schmidt@geo.uni-augsburg.de

- **Bob Nakileza, Ph.D.**

Senior Lecturer. Department of Environmental Management, College of Agricultural & Environmental Sciences. Makerere University, Kampala, UGANDA

Research Topics: Mountain hydrology, glacial recession, orographic precipitation, climate change.

Email: nakilezabob@gmail.com

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During this initial period, we have invited famous mountain geographers to integrate our CMS as honorary committee members as follow

HONORARY COMMITTEE MEMBERS

Prof. Dr. Jack D. Ives, emeritus professor of Geography, Carleton University, Canada. jackives@cunet.carleton.ca

Prof. Dr. Axel Borsdorf, emeritus professor of Geography, Austrian Academy of Sciences, Institute for Interdisciplinary Mountain Research, Austria. axel.borsdorf@gmail.com

Prof. Dr. Yuri Badenkov, emeritus professor of Geography, Russian Academy of Sciences, Institute of Geography, Russia. yubaden@mail.ru

Prof. Dr. Christoph Stadel, emeritus professor of Geography, University of Salzburg, Austria. christoph.stadel20@gmail.com

We have a total of 48 mountain geographers in our mailing list, including United States of America, Canada, Mexico, Costa Rica, Guatemala, Panama, Colombia, Ecuador, Peru, Bolivia, Chile, Argentina, Brazil, England, France, Germany, Spain, the Netherlands, Russia, Italy, Czech Republic, China, Japan, India, Oman, South Africa, New Zealand, Australia, Morocco, Israel and Uganda.

B. Meetings

a) The CMS did not organize or convene a meeting, but was actively supporting conferences organized by other entities, in particular the universities associated with mountain research. No number of attendees registered for online format. They included:

UASB, Quito, Ecuador. April 2020. Mountain Biocultural Heritage. UDAIPUR, India, May 2020. Regional IGU Conference.

UBC, Vancouver, Canada. January 2021. Montology as transdisciplinary science. PUCC, Santiago, Chile. November 2021. Toward unified mountain science.

ESPOCH, Riobamba, Ecuador, May 2022. Chimborazo sustainable development. UACHILE, Valdivia, Chile. September 2022. Montology of the southern Andes.

CUH, Mahendgarh, India. November 24-25,

2022. Regional IGU Conference.

Our first flagship event was organization as the ***International Symposium of Mountain Studies*** that took place in the 34th International Congress of the IGU, hosted by our Commission member, Prof. Barbaros Conçegil, in Istanbul, Türkiye, in 2021.

With the successful realization of this event, held virtually with online participation, we decided to make it the CMS prime event at every IGU meeting. The following International Symposium of Mountain Studies was held in person at the Centennial Congress of the IGU in Paris, France in 2022.

An important meeting of international transcendence was held at the International Mountain Conference (IGM 2022) at the University of Innsbruck, Austria, September 2022. The organizing committee invited IGU to present in the icebreaker event. Fausto Sarmiento, as chair of the CMS, offered a description of IGU and CMS as well as an oral presentation in the technical meetings.

b. The output of the International Symposium of Mountain Studies has been recorded in a publication at the Journal Eco-Mont, Austria, where three main findings concurred with the need of further developing montological approaches for the study of mountain systems. They were the confirmation of the production of a book series on Montology published by Springer-Nature/Switzerland for the next four years, with the first volume set for printing at the end of 2022. <https://www.summerfieldbooks.com/product/montology-palimpsest-a-primer-of-mountain-geographies/>. Also, the participants agreed with having such a Symposium every time the IGU meets in international conferences or the IGU Congress.

The second International Symposium of Mountain Studies held in Paris, France, has been recorded in a publication to be published in the journal Eco-Mont, Austria, whereby the guest editing of a special issue of the journal Land was agreed and secured. https://www.mdpi.com/journal/land/special_issues/W96U911L7U. Also, the second volume of the

Montology series was secured with a publication target of late 2023.

c. The meetings or other events you plan to hold in 2023 and later years, including locations, dates, and the topics/themes to be addressed.

As stated previously, we plan to establish the International Symposium of Mountain Studies as the staple meeting for CMS. We are already in conversations with the organizing committee of the IGU meeting in Ireland for 2024, which could even include an excursion to a research mountain site nearby.

C. Networking

a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces during 2022.

We have responded to invitations received from other commissions and provided feedback to survey questionnaires posted by them. We routinely inform the IGU newsletter of potential publishable information from CMS.

b. Collaboration, if any, with other international, intergovernmental, or inter- and multi-disciplinary bodies in 2022.

We have established a strong liaison with the International Program of the Satoyama Initiative, housed at the Institute of Advanced Studies of Sustainability (IAS), at the United Nations University in Japan. Several members of CMS are already signed for membership to invigorate the montological approach for studying the socioecological production landscapes and seascapes (SEPLS).

We have resumed contacts with the office of the Man and the Biosphere Program at UNESCO headquarters, in order to invigorate the notion of mountain biosphere reserves and their role in supporting research in mountainscapes.

We have initiated contact with the Mountain Partnership and the Mountain Research Initiative (MRI) to convene an international conference on Montology, potentially in 2025 at the FAO headquarters in Rome.

c. Cooperative efforts, if any, with the International Science Council (ISC) and the International Council for Philosophy and Human Sciences (CIPSH) programs, etc.

None yet, ideas of potential collaboration in developing a network of networks to work on mountainside restoration exist.

D. Publications

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- Excerpts from a Chinese newsletter with a report on the IMC-2022 Innsbruck:**
- Experts are leaders of each branch and are good at dabbling in new topics. Dr. Fausto O. Sarmiento, Chairman of the Commission of Mountain Geography (IGU) of the International Geographical Union and Professor of the Department of Geography of the University of Georgia, USA, made two presentations.
- Immediately after the meeting, he invited more than 70 international professionals to participate in the creation of the new book, which is the second volume of his 5-volume "Montology" series. The content is a corpus of mountain scientific research. One belongs to the "Innovative Discipline System Field". In cooperation with two other experts (Russia and Mexico), he once again grasped new topics and quickly launched a multi-national talent team
- b. The current (accurate) URL of the commission's website.**
<https://montology.franklinresearch.uga.edu/commission-mountain-studies-steering-committee>
- E. Archival Contributions**
- None attached for limited space.
- URLs have been given for those publications available online. **Commission on Political Geography, Annual Report 2022**
- A. Membership**
- Steering Committee / Comité de Direction**
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Hee University, Seoul, Korea

Sara KOOPMAN, Ohio State University, Ohio,
USA

Corresponding members, by country (December 2018)

In December 2022

There were **185** subscribers to the **mailing list** and
345 to the **Facebook page** of the Commission on
Political Geography Membership is rather stable

There were 189 respectively 346 in 2021

187 respectively 346 in 2020

171 respectively 345 in 2019,

179 respectively 345 in 2018 and

165 respectively 341 in 2017.

There are no significant change to the geography of membership compared to the previous years.

FB2018 List2018 List2017 FB2017 Total2017

NB : There is some overlap between the two groups since some individual members registered to both the mailing list and the facebook page. Facebook subscriptions not specified in 2018. Top 5 countries were Italy, India, the United Kingdom, the United States and Poland.

B. Meetings

a. Meetings organised, co-organised and sponsored by the commission

Pré-Conférence de Géographie Politique et de Géopolitique du Congrès du Centenaire

de l'UGI Paris 2022, organisée par la Commission de géographie politique et de géopolitique du CNFG avec le soutien de la IGU Commission on Political Geography

Preconference on Political Geography and Geopolitics organized by the Commission Géographie politique et géopolitique (CGPG, the Commission on Political Geography and soutien de la IGU Commission on Political Geography

Preconference on Political Geography and Geopolitics organized by the Commission Géographie politique et géopolitique (CGPG, the Commission on Political Geography and Geopolitics) of the Comité National Français de Géographie (CNFG, the French National Committee of Geography) in Aubervilliers (15-16 July 2022) with the support of the IGU Commission on Political Geography. Paris (15-17 July 2022).

The theme of the preconference was *Espace Temps Politique / Space Time Politics*. The organizing committee

Anne-Laure Amilhat Szary, University of Grenoble-Alpes, UMR Pacte Xavier Aurégan,

Geopolitics) of the Comité National Français de Géographie (CNFG, the French National Committee of Geography) in Aubervilliers (15-16 July 2022) with the support of the IGU Commission on Political Geography. Paris (15-17 July 2022). The theme is *Espace Temps Politique / Space Time Politics*.

For details see <https://virginiemamadouh.socsci.uva.nl/IGU2022Paris.html>

IGU Centennial Congress / Congrès du centenaire de l'UGI Paris 2022

(Extraordinary) International Geographical Congress *Le temps des géographes / Time for Geographers*

Paris, France, 18-22 July 2022 For details see <https://virginiemamadouh.socsci.uva.nl/IGU2022Paris.html>

b. A brief summary of the topics addressed at each meeting

Pré-Conférence de Géographie Politique et de Géopolitique du Congrès du Centenaire

de l'UGI Paris 2022, organisée par la Commission de géographie politique et de géopolitique du CNFG avec le

Catholic University of Lille

Amaël Cattaruzza, University of Paris 8, French Institute of Geopolitics Sophie Hou, University of Paris 1 Panthéon-Sorbonne, UMR Prodig Audrey Sérandour, University of Haute-Alsace, CRESAT

Vendredi 15 juillet / Friday, July 15th

IGU at 100 : the past present and future of political geography

Présentation et projection d'un film (15mn) proposant une rétrospective sur la géographie politique à l'occasion des 100 ans de l'UGI, par Corey Johnson, UNC Greensboro (États-Unis)

Video project sponsored by the Commission on Political Geography of the International Geographical Union (IGU). For the centennial of the IGU: a century of political geography.

Panel 1 – Temps et identités / Time and identities

Panel 2 – Temporalités, territorialités et numérique / Temporalities, territorialities and digital

Panel 3a et 3b – Les frontières et la dialectique espace/temps / Borders and the space/time dialectic

Samedi 16 juillet / Saturday, 16th July

Panel 4 – Le rôle de la temporalité dans les crises / The role of temporality in crises Panel 5 – Mobilités et temporalités / Mobilities and temporalities

Panel 6 – Le rythme des coopérations internationales / The pace of international cooperation Panel 7 – La géopolitique locale au prisme du temps / Local geopolitics through the prism of time

Dimanche 17 juillet / Sunday 17 July 2023

Sortie de terrain à Saint-Denis, de 9h30 à 17h / Fieldtrip in Saint-Denis, from 9:30am to 5pm. Multiscalar geopolitics of Paris suburbs / Géopolitique multiscalaire de banlieue parisienne Meeting point : Saint Denis - Université métro station,

Walk through Saint Denis, city centre, market, Rue de la République, ile Saint Denis, Basilique Cathédrale de Saint Denis.

Centennial Congress

The Commission on Political Geography (IGU-CPG) contributed to the organizations of 13 sessions (including 3 with the Commission on the History of Geography) and 31 panels:

Monday 18 July 2022

- Geographers and the powers that be

Convenors: Adriana Dorfman, Universidade Federal do Rio Grande do Sul, Brazil and Licio Caetano do Rego Monteiro, Universidade Federal Fluminense, Brazil

Tuesday 19 July 2022

- Post-pandemic geopolitical conflict and concertation at multiple scales: technical-scientific, productive, and diplomatic articulations

Convenors: Ricardo Mendes Antas Jr. Universidade de São Paulo, Brazil and Adriana Dorfman, Universidade Federal do Rio Grande do Sul, Brazil (2 panels)

- Cartography of the datasphere

Convenors : Frédérick Douzet and Alix Desforges, Université Paris 8, France

- Géopolitique des ressources naturelles à l'heure de la transition socio-écologique

Convenors : Audrey SÉRANDOUR, CRESAT, Université de Haute-Alsace, France and Angélique PALLE, Chercheure Institut de Recherche Stratégique de l'Ecole Militaire (IRSEM), France (3 panels)

- Amazonie, société et aménagement du territoire convenors:: Hervé Théry, CNRS-Creda et USP-PPGH⁴⁹⁴ and Ricardo Silva, Universidade Federal de Rondônia – UNIR/Brasil (2 panels) The iconography of movement

Convenors: Olivier Labussière and Anne-Laure Amilhat Szary (University Grenoble Alpes, France), Jean-Paul Hubert (Université Eiffel, France), Luca Muscarà (Università del Molise, Italy (2 panels) Wednesday 20 July 2022

- Power Policies for Black and Indigenous Populations in Situation of Periphery in Brazil

Convenors: Fernanda Lira Goes, Institute of Applied Economic Research (IPEA), and Isabella Cristina Lunelli, Federal University of Santa Catarina (UFSC), Brazil

- Geopolitical Processes and Imaginaries – The Case of Central Europe

Convenors: James W. Scott, University of Eastern Finland and Péter Balogh, Eötvös Lóránd University and Centre for Economic and Regional Studies, Hungary (2 panels)

- *Hérodote*: A Citizen and Democratic Conception of Geography-Geopolitics

Convenors : Béatrice, Giblin, and Philippe Subra, Université Paris VIII Institut Français

de Géopolitique, France (2 panels)

- Frontières en temps de crise / Borders in times of crisis Convenors : François Moullé, Bernard Reitel, Pauline Pupier, Artois University, France; Fabienne Leloup, UCLouvain Belgium (3 panels)

Thursday 21 July 2022

- Frontières en temps de crise / Borders in times of crisis

Convenors: François Moullé, Bernard Reitel, Pauline Pupier, Artois University, France; Fabienne Leloup, UCLouvain Belgium (fourth panel)

- Political Geographies of Data: Exploring digital territories, sovereignties and borders

Convenors: Georg Glazse, University Erlangen-Nürnberg, Germany, Amaël Cattaruzza, GEODE, University Paris 8, France, and Finn Dammann, University Erlangen-Nürnberg, Germany (3 panels)

- Academics under (Geo-)political Pressure

Convenors: Virginie Mamadouh (University of Amsterdam, the Netherlands), Adriana Dorfman (UFRGS, Brazil), Marcella Schmidt di Friedberg (University Milan Bicocca, Italy) (2 panels)

Friday 22 July 2022

- Key concepts in political geography: Spatial and temporal (dis) continuities

Convenors: Virginie Mamadouh (University of Amsterdam, the Netherlands), Marcella Schmidt di Friedberg (University Milan Bicocca, Italy) (4 panels)

Plus during the business meeting of the Commission on Thursday 21 July 2022

Presentation of the Video project sponsored by the Commission on Political Geography of the International Geographical Union (IGU). For the centennial of the IGU: a century of political

geography.

Corey Johnson and Jenny Berggren *UNC Greensboro, USA*

Future events

IGU Thematic Conference on Islands in Relations: Conflicts, Sustainability, and Peace April 4-6, 2023 - Osaka, Japan

By situating islands in various relations, this conference focuses on them from three inter-related viewpoints: conflicts, sustainability, and peace and addresses the following three component questions:

1. Why and how were/are islands involved in what kind of conflicts or uneven power relations?
2. How can islands' sustainable development contribute to their political-economic autonomy?
3. How can we practice geography for island peace? Organized by

- The local Organizing Committee for the IGU Thematic Conference Osaka 2023

- The Japan National Committee for the IGU In collaboration with IGU Commissions on:

- Geography of Tourism, Leisure, and Global Change

- Geography of Islands

- Latin American and Caribbean Studies

- Political Geography

- Toponymy

Conference website <https://polgeog.jp/igu-tc2023/>

IGU Thematic Conference on The Ocean and Seas in Geographical Thought Milan (Italy), University of Milano-Bicocca, 6-7 June 2023

Post-conference excursion: Venice (Italy), 8-9 June 2023

As a contribution to the UN Decade of Ocean Science for Sustainable Development (2021-2030), we propose to organize a thematic conference of the IGU, focusing on the ocean and seas as complex and relational geographical 'objects' through a plurality of foci. For centuries, the ocean and seas have been means for connecting people and at the same time separating them, corresponding to different functions through different times and cultures.

Organizing Commissions:

- Commission on the History of Geography
Commission on Gender and Geography
- Commission on Mediterranean Basin
- Commission on Political Geography
- Commission on Tourism, Leisure, and Global Change
- Commission on the Geography of Governance
Conference website <https://igu-chg-2023.unimib.it/>

The CPG has two calls for papers: one on **Maritime borders and borderlands**, and one on **Maritime geopolitics**.

IGU Thematic Conference, *Southern Thinking: Connecting Geographies from the Global South*, Quito (Ecuador), 15-19 May 2024

Organized by The Ecuadorian Association of Geography (AGEc) and the Facultad Latinoamericana de Ciencias Sociales (FLACSO Ecuador)

35th International Geographical Congress, Dublin (Ireland), 24-30 August 2024

Plus preconference (local organisation Queen's University Belfast, Northern-Ireland).

Individual participations at the

IGU Commission on African Studies - Annual Meeting - 2023 Mobilizing geographical knowledge in response to increased and intensified pandemics and risks Maputo (Mozambique) May

28-30, 2023. **IGU Thematic Conference on Urban transformations: Towards resilient cities, UNAM Mexico City (Mexico) 20-23 August 2023** as well as

3rd World Conference of the Association for Borderlands Studies (ABS) *Borders, Edges and Interfaces: Pluralities and Scales* in Eilat (Israel) 13-18 February 2023

2023 Annual Conference of the American Association of Geographers (AAG) in Denver, C.O USA, 23-27 March 2023 and the **Preconference of the AAG Political Geography Specialty Group** in Boulder, Colorado (22 March 2023),

XIX Meeting of Geographies of Latin America and the Caribbean – EGAL 2023 in Santo Domingo (Dominican Republic) (26-30 June 2023),

2023 Annual Congress of the **International political Science Association IPSA**, Buenos Aires, (Argentina), 15-19 July 2023

the **2023 RGS/IBG Annual Conference *Climate changed geographies*** in London (UK) 29 August to 2 September 2023

9th EUGEO Conference *Geography for our common future* in Barcelona (Spain) 4-7 September 2023.

C. Networking

a. Collaboration with other IGU Commissions and Task Forces: The Commission on Political Geography has worked with other IGU Commissions, in order to organise a group of joint sessions at the IGC, the IGU Regional Conferences and the IGU Thematic Conference, especially History, Gender.

Message to the participants attending the IGU Thematic Conference on **Sustainability, Future Earth and Humanities: Opportunities and Challenges** held on 24-25 November 2022 in the Central University of Haryana, Mahendragarh, India.

b. Collaboration with other international, intergovernmental, and inter- and multi-

disciplinary groups The Commission on Political Geography has been actively collaborating with other international research groups, such as Commission de géographie politique et de géopolitique du CNFG (France), BRIT (Border Regions in Transition), ABS (Association of Borderlands Studies), Società Geografica Italiana, EuGeo, Association of American Geography Political Geography Study Group, Political Geography research group of the Royal Geographical Society, Research Committee 15 (Political and Cultural Geography) of IPSA (International Political Science Association) and others, in order to co-organise and co-sponsor conference and seminars.

c. Cooperative efforts with ISSC (International Social Science Council) and with ICSU (the International Council for Science) programs.

Lecture by **Simon Dalby** (Canada, corresponding member and former member of the steering group) scheduled for the **International Year of Basic Science for Sustainable Development (IYBSSD)**

D. Publications

a. Newsletters, special journal issues, and books published in 2021 (please provide complete citations for all publications).

- Newsletters are available on the website of the Commission on Political Geography including the newsletter edited in 2022 (nr. 28) and at <https://virginiemamadouh.socsci.uva.nl/IGU-CPG-Newsletters.html> Contribution to IGU edited volumes :
- Murphy, AB & V. Mamadouh (2022) Chapter 4: Geography and Social Issues . In Vladimir Kolosov; Jacobo García-Álvarez; Michael Heffernan; Bruno Schelhaas (eds) *A Geographical Century: Essays for the Centenary of IGU* . published for the Centennial Congress by Springer. 235-245. [https:// link.springer.com/book/10.1007/978-3-031-05419-8](https://link.springer.com/book/10.1007/978-3-031-05419-8)

- Dorfman, A & V Mamadouh Chapter on political geography, In: J. Bański & M. Meadows (eds)
- *Research directions, challenges and achievements of modern geography* (Springer) (in production)
- ***The IGU at 100: Past, present and future of political geography***
- Video project sponsored by the Commission on Political Geography of the International Geographical Union (IGU). For the centennial of the IGU: a century of political geography.
- Corey Johnson and Jenny Berggren, University of North Carolina Greensboro,
- USA <https://www.youtube.com/watch?v=n50sy5hMgbk>

b. The current accurate URL of the commission's web site

- The Commission has a new website <https://politicalgeographycommission.wordpress.com/>
- The new webmaster is: Lesley Crowe-Delaney. Email lesley.crowe-delaney@curtin.edu.au
- The Commission has got also a mailing list;
- in order to Subscribe to the CPG new mailing list, please send an empty email to IGU-CPG-join@list.uva.nl or an email to the administrator v.d.mamadouh@uva.nl
- The Commission has got a Facebook group.
- IGU CPG Commission on Political Geography <https://www.facebook.com/groups/456054597763023/>
- To **become a member**, please join Facebook and send a request to the group administrator. elena.dellagnese@unimib.it

E. Archival Contributions pm

COMMISSION ON RESEARCH METHODS IN GEOGRAPHY ANNUAL REPORT 2022

A. Membership

The Commission on “Research Methods in Geography” includes two joint chairs and eight Steering Committee members, five from Human Geography and five from Physical Geography. Given the relevance of its mission and the heterogeneity of its contents, the Commission decided to recruit two new Steering Committee members in April 2022 prior approval by the Executive Committee. Ten applicants responded to the call: 5 from the United Kingdom, 2 from New Zealand, 1 from Ireland, 1 from Bangladesh, 1 from Egypt. Applications by Manzurul Hassan (Bangladesh) and Adel Moatamed Abdulhamied (Egypt) could not be accepted (Physical Geography). The Steering Committee considered three primary criteria for selecting the candidates: 1) gender - as to maintain gender balance in the committee, 2) geographic location, and 3) methods the candidate brings with him/her to the committee.

After reviewing CVs and cover letters and discussing candidates’ profiles, the Steering Committee members voted to include Sara Mills and Charles Travis in the Steering Committee.

A.1. Steering Committee

Dan Malkinson (Co-Chair)

Department of Geography and Environmental Studies
University of Haifa, Mt. Carmel, Haifa 3498838, Israel
dmalk@geo.haifa.ac.il

Chiara Giubilaro (Co-chair)

Department of Architecture

University of Palermo, Viale delle Scienze Ed. 8, 90128, Palermo, Italy
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Meghan Cope

Department of Geography

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Burlington, VT 05405, USA
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Iain Hay

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iain.hay@flinders.edu.au

Narayan Chandra Jana

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Sarah Mills

Department of Geography and Environment

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S.Mills@lboro.ac.uk

Edivaldo Lopes Thomaz

Department of Geography

Universidade Estadual do Centro-Oeste-UNICENTRO, Alameda Élio Antonio Dalla Vecchia Vila Carli 85040167 - Guarapuava, PR49-9Brasiltomaz@unicentro.br

Karanja Faith Njoki

Department of Geospatial and Space Technology

University of Nairobi, P.O. Box 43851 – 00100 Nairobi, Kenya
faithkaranja@uonbi.ac.ke

Kun Song

School of Ecological and Environmental Sciences
East China Normal University, China
ksong@des.ecnu.edu.cn

Charles Travis

School of Histories and Humanities Trinity College Dublin, Dublin 2, Ireland
ctravis@tcd.ie

A.2. Corresponding members

During 2022 the Commission witnessed an increase in the number of Corresponding Members. A total of 288 members from 42 countries joined the commission (1 December 2022). 25 countries are represented by a single

B. Meetings and Activities

During 2022 the Commission convened three times, holding online meetings on 28 January 2022, 15 June 2022 and 22 September 2022. Moreover, the Commission organized a hybrid session at the IGU Centennial Congress in Paris on 18 July 2022.

1. Steering Committee Meetings

1.	Albania	1
2.	Australia	14
3.	Bangladesh	14
4.	Belgium	1
5.	Bolivia	1
6.	Brazil	14
7.	Canada	9
8.	Chile	1
9.	China	3
10.	Czech Republic	1
10.	Denmark	1
11.	Ecuador	1
12.	Ethiopia	1
13.	Finland	1
14.	Gambia	2
15.	Germany	3
16.	Ghana	3
17.	Greece	1
18.	Hungary	1
19.	India	101
20.	Indonesia	1
21.	Ireland	1
21.	Italy	23
22.	Japan	1

member, and India (101 members) followed by the United Kingdom (24 members) and Italy (23 members) are the countries with the largest number of registered members.

23.	Korea	1
24.	Luxembourg	1
25.	Mauritius	1
26.	The Netherlands	2
27.	New Zealand	12
28.	Nigeria	5
29.	Peru	1
30.	Poland	1
31.	Portugal	1
32.	Samoa	1
33.	Slovenia	1
34.	South Africa	15
35.	Spain	1
36.	Sri Lanka	4
37.	Sweden	1
38.	Switzerland	2
39.	Turkey	2
40.	United Kingdom	24
41.	United States	11
42.	Zambia	1
Total		288

Online meeting – 28 Jan. 2022

The Committee 1) discussed and approved a proposed virtual keynote session for the IGU Paris 2022 Centennial Congress, 2) decided to recruit two additional new Steering Committee members, and defined the guidelines for selecting the new members. A call to share on the Commission website was drafted, 3) discussed the possibility to establish a collaboration with Frontiers Publishing Group, 4) considered to organize a virtual workshop series to be held in winter 2022/spring 2023.



Online meeting – 15 June 2022

The Committee 1) defined the Paris Centennial Congress keynote session program and discussed the financial aspects related to it, 2) selected two additional Steering Committee members (see above), 3) decided to organize a kick-off workshop to open the IGU Methods virtual workshops series, 4) discussed potential collaborations with publishing groups.

Online meeting – 22 September 2022

The Committee 1) welcomed the new Steering Committee members Sarah Mills and Charles Travis, 2) proposed a re-organization of the Commission tasks into four different subcommittees:

- Activities (Chiara Giubilaro, Dan Malkinson, Faith Njoki Karanja, Sarah Mills, Meghan Cope, Narayan Chandra Jana)
- Communications and Membership (Meghan



IGU Paris Centennial Congress | Keynote session
– 18 July 2022

The Commission organized a session at the IGU Centennial Congress in Paris. The session titled

Cope, Sarah Mills, Chiara Giubilaro)

- Resource mobilization (Charles Travis, Kun Song)
 - Networking (Edivaldo Lopes Thomaz, Iain Hay, Dan Malkinson)
- 3) decided to organize a roundtable with a focus on innovative research practices in Human and Physical Geography after (and amidst) COVID-19 on January 2023; 4) started to schedule “Methods in Geography. A series of virtual workshops on research methods in Human and Physical Geography” (three/four workshops per year), 5) reported about the collaborations with ESRI and SAGE Methodspace, 6) discussed the possibility to propose a special issue to Urban Geography on innovative methods in the field of Urban Geography with a focus on

Global South (deadline March 2023).

“Time for Methods” aimed at promoting a critical and constructive dialogue on established and emerging geographical research methods, bridging qualitative and quantitative approaches, techniques, and methodologies. Prof. Raul Pacheco-Vega (Facultad Latinoamericana de Ciencias Sociales, Mexico) presented a keynote lecture on “Expanding Methodological Discussions in Geography: Mixed Methods and the Future of the Discipline”. After his presentation, Meghan Cope (University of Vermont, USA) and Faith Karanja Njoki (University of Nairobi, Kenya) discussed the challenges of mixed methods respectively from a

Human Geography and Physical Geography perspective. 52 people (14 in-person and 38 online) attended the hybrid session and joined the final debate.



2023 Meetings

In 2023 the Commission plans to hold at least three online Steering Committee meetings to discuss I) the organization of the “Methods in Geography” series of virtual workshops, II) the implementation of the existing network, III) the organization of a Thematic Conference on research methods in 2024.

Workshops and other activities

Workshops

During 2022 no workshops were carried out by the Commission.

As described above, we have established a working relationship with ESRI, and in collaboration with them we aim at holding three thematic 1-day workshops. The workshops are to be held online. In similar past events held by ESRI the number of attendees was several hundreds. In accordance with the vision of the Commission, we hope that the majority of participants will be from the Global South.

- Website

The Commission’s website has been fully developed and made accessible online at <https://igumethods.org/>

Through the “Join us” form on the website 288 geographers joined the Commission as Corresponding Members (see the map).

- Providing resources for advancing publications in peer reviewed journals

The Commission has begun discussions with Frontiers Publishing Group to provide scientists from less-funded countries with various resources to encourage high-quality peer-reviewed publications. The potential collaboration includes webinars to be held conjointly with the publishing group, aimed at sharing information on the peer review process, and publishing practices which bring to high-quality publications. The Commission intends to expand similar initiatives and collaborations with additional publishing groups.

C. Networking

Website and social media

The Commission’s website is a fundamental tool in facilitating recruitment of members and networking with other commissions, associations, or institutions. The Steering Committee recognizes the importance of a strong online and social media presence and thanks to an IGU operating grant the Commission has created (I) a website based on CMS Wordpress for both desktop and mobile devices and (II) an original logo for the

Commission. Social media will have a key role within the Commission communication strategy. Given Elon Musk's recent takeover of Twitter, the Commission is considering the possibility to launch a Mastodon account.

Collaborations

During 2022 the Commission explored the possibility of establishing a collaboration with publishing groups and software developers.

ESRI | Co-organization of three thematic workshops – as stated above, online GIS tutorial workshops are planned to be held during 2023. The workshops will be held free of charge and are provided in-kind together with ESRI.

SAGE Methodspace | Together with SAGE's Methodspace platform we intend to hold activities, such as blog postings and recorded podcasts.

D. Publications

1. The current website of the Commission on Research Methods in Geography may be found at: <https://igumethods.org>. The website includes current details of all events and projects, publications and proposals as well as the list of the Steering Committee members.
2. In 2023 the Commission plans to publish regular newsletters and lodge them on the Commission website.

Archival contributions

Website: <https://igumethods.org/>

Newsletter #0 | February 2022 (see attachment)
Meeting photographs

See
<https://drive.google.com/drive/folders/1syJ0MquibZVqwfZ9kcm7QfsZsLQOY7-I?usp=sharing>

COMMISSION ON THE SUSTAINABILITY OF RURAL SYSTEMS (IGU CSRS) REPORT 2022

A. Membership

A1. Structure of the Current Steering Committee (2022) 1

A2. Structure of the Steering Committee for 2023-2024 \

A3. Steering Committee Meetings

A4. Corresponding Members

B. Meetings⁴

B1. 29th IGU CSRS Colloquium: Egypt (2022)

B2. Fieldwork Seminar subsequent to the 28th IGU CSRS Colloquium: Croatia (2022)

B3. Participation in the IGU Conference in Paris (2022)

B4. 30th IGU CSRS Colloquium: Poland (2023)

C. Networking

D. Publications and Dissemination

D1. Publications Derived from Previous Colloquia Appeared in 2022 or in Process of Edition

D2. Digital Networking

E. Archival Contributions

F. IGU Commission Excellence Award 2021

G. Accountability

A. Membership

A1. Structure of the Current Steering Committee (2022)

• Co-Chairpersons

- Serge Schmitz Belgium s.schmitz@uliege.be
- Valerià Paül Spain v.paul.carril@usc.gal

• Secretary

- Fiona Haslam McKenzie Australia fiona.haslam-mckenzie@uwa.edu.au

• Members

- Suk Kyeong Kang Turkey ecoksk@gmail.com | skang@ohu.edu.tr
- Hualou Long China longhl@igsnr.ac.cn
- Aleksandar Lukić Croatia alukic@geog.pmf.hr
- William Moseley* United States moseley@macalester.edu
- Lou Angeli Ocampo the Philippines laocampo@up.edu.ph
- Cornelia Steinhäuser Germany cornelia.steinhaeuser@uni-muenster.de
- Marcin Wojcik Poland wojcik.moskwa@gmail.com

In 2022, there has only been one change to the composition of the IGU CSRS Steering Committee (SC): William Moseley's inclusion (*). This addition was confirmed at the IGU CSRS SC meeting held virtually on 26 April, 2022 (see section A3), due to Moseley's ongoing participation in the activities of the Commission, his invaluable contribution on the global research in the domain of

Rural Geography and its implications in terms of sustainability and the broad world spectrum that he embraces: He is from the Americas and has worked intensively in Western and Southern Africa, liaising Francophone and Anglophone geographies in the former region.

A2. Structure of the Steering Committee for 2023-2024

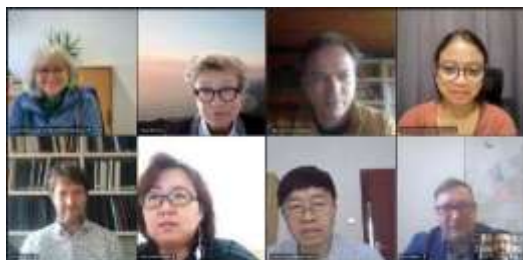
• Co-Chairpersons

- Valerià Paül Spain v.paul.carril@usc.gal
- Fiona Haslam McKenzie Australia fiona.haslam-mckenzie@uwa.edu.au

- Secretary
 - Aleksandar Lukić Croatia alukic@geog.pmf.hr
- Members
 - Suk Kyeong Kang Turkey ecoksk@gmail.com | skang@ohu.edu.tr
 - Hualou Long China longhl@igsnr.ac.cn
 - William Moseley United States moseley@macalester.edu
 - Lou Angeli Ocampo the Philippines laocampo@up.edu.ph
 - Serge Schmitz Belgium s.schmitz@uliege.be
 - Cornelia Steinhäuser Germany cornelia.steinhaeuser@uni-muenster.de
 - Marcin Wojcik Poland wojcik.moskwa@gmail.com

This structure is the consequence of Serge Schmitz's commitment to retaining the position of Co-Chair for six years (2017-2022). Fiona Haslam McKenzie, former Secretary, becomes Co-Chair, and Aleksandar Lukić is elected as new Secretary, predictably to become Co-Chair in 2025, when Valerià Paül finishes his four-years term (2020-2024).

A3. Steering Committee Meetings



The second annual IGU CSRS SC meeting was

held virtually on 26 April, with all nine IGU CSRS SC members present. Many points were discussed. Firstly, the appreciation of the 29th IGU CSRS colloquium in Egypt was noted (see section B1). Secondly, the forthcoming events were considered: the fieldwork seminar around Zagreb, the IGU Conference in Paris in July 2022 and the 30th Colloquium to be held in 2023 in Łódź (see sections B2 to B4).

Two IGU CSRS SC meetings were held in 2022, both in the first half of the year. The first was during the 29th IGU CSRS Colloquium in Egypt, on 3 March, with four of the nine IGU CSRS SC members present, including both Co-Chairs, who attended that event. It was resolved to hold a virtual meeting some weeks later to ensure a better attendance. The Polish delegates organising the 30th IGU CSRS Colloquium in Poland in 2023 outlined their plans, and a discussion was held regarding the best dates for the forthcoming event, the main theme and the proposed sessions.

At this meeting, the IGU CSRS SC officially invited William Moseley to join the IGU CSRS SC. The invitation letter was subsequently sent on 4 May and he immediately accepted the offer to join.

The second annual IGU CSRS SC meeting also discussed different bids presented for holding the 31st Colloquium in 2024, taking into account that the decision is usually made in the IGU CSRS two years before the event. After discussion, it was decided to grant 50% of the organisation for 2025, as follows:

- The 31st Colloquium will be held in Mendoza, Argentina, in 2024, with Cornelia Steinhäuser as the IGU CSRS SC member responsible for the event, to be organised by the Universidad Nacional de Cuyo local Organising Committee chaired by Facundo Martín, and the active implication of the HIGHLANDS.3 project network (see section C), coordinated by Fernando Ruiz Peyré (Österreichischen Akademie der Wissenschaften, Austria). The 32nd will be held in Manila and the Cordillera Region in Northern Philippines, in 2025, with Lou

Angeli Ocampo as the IGU CSRS SC member responsible for the event, with a local Organising Committee to be set with her colleagues at the University of the Philippines.

These decisions are particularly relevant as the IGU CSRS will be meeting in countries where the IGU CSRS has not previously met, both in the Global South, which are very important for keeping a global geographical balance in the IGU CSRS' activities.

Latterly (December 2022), the IGU Conference Local Organising Committee of Dublin (to be held in August 2024) has written to the IGU CSRS Co-Chairs to share their plans regarding associated events planned in Ireland organised by the IGU CSRS. The IGU CSRS Co-Chairs have answered that the 2024 IGU CSRS Colloquium will be held in Argentina.

Furthermore, the IGU Commission on Local and Regional Development has written concerning a possible joint event to be held in 2023. Although the IGU CSRS understands liaising with other IGU commissions as relevant and warmly acknowledges the proposal, the conference for 2023 was set to be hosted in Poland in 2019 (it was planned for 2022 and re-scheduled due to the Covid-19 pandemic). Further, a possible joint colloquium with this Commission will be discussed post-2025, taking also into account that the 2028 IGU Conference will be held in Australia. The IGU CSRS acknowledges that the IGU CSRS Colloquium that year should take place in the same country, to save travel costs, prior or after the event to be held in Melbourne.

A4. Corresponding Members

The number of corresponding members of the IGU CSRS, as of 14 October, 2022, is 943 in total, from 60 countries. This is calculated by means of the e-mailing list (see D2).

Country	Number	Country	Number
Afghanistan	2	Japan	115
Argentina	1	Malaysia	1
Australia	29	Mexico	1

Austria	6	Morocco	2
Bangladesh	1	Netherlands	8
Belgium	7	New Zealand	6
Brazil	21	Nigeria	3
Burundi	1	Poland	4
Cameroon	3	Portugal	8
Canada	56	Romania	9
Chile	2	Russia	3
China	18	Saudi Arabia	1
Colombia	1	Serbia	2
Croatia	2	Singapore	1
Czech Republic	7	Slovakia	1
Egypt	6	Slovenia	3
Ecuador	1	South Africa	7
Finland	1	South Korea	24
France	18	Spain	45
Germany	28	Sri Lanka	1
Greece	1	Sudan	1
Guinea	1	Sweden	5
Haiti	1	Syria	2
Hong Kong	1	Taiwan	2
India	152	Thailand	4
Indonesia	1	Turkey	3
Iran	6	UK	17
Ireland	17	USA	248
Israel	4	Vietnam	5
Italy	10	Others	5
Ivory Coast	1	Total	943

B. Meetings

The annual IGU CSRS Colloquium is the most important activity of the Commission since its inception (originally as a Study Group "Rural Systems") at the IGU Conference held in Washington in 1992. It represents a unique opportunity for academic collegiality and the interchange of experiences between global rural geographers. Importantly, they always include a three-four-days fieldtrip developed in rural locations to show initiatives, experiences, economic activities, transformations, conflicts, etc., which are understood as living laboratories to explore and arena for in situ academic debates regarding sustainability in rural areas. Typically, colloquia are progressively held in a different continent, each year trying to alternate Global North and Global South. The 28th Colloquium was expected to be

held in Croatia in August 2020, following the IGU Conference organised in Turkey; the location being chosen, among other reasons, because of the geographical proximity and the good air transport connections between Istanbul and Zagreb. However, the Covid-19 pandemic caused the postponement of the latter, ultimately held virtually in 2021, in line with the IGU Conference in Istanbul also being postponed. 2020 was the first year since 1992 that the IGU CSRS annual Colloquium has not been held. Given that the 2021 IGU CSRS Colloquium was not held in person, it was decided to develop a fieldwork seminar in rural locations around Zagreb in July 2022. As noted earlier, 2022 was also the year of the 29th IGU CSRS Colloquium held in Egypt.

Logically, the IGU CSRS also participates in the IGU conferences, commonly by means of special sessions. This was the case of the IGU Conference held in Paris in 2022.

B1. 29th IGU CSRS Colloquium: Egypt (2022)

This colloquium, held from 28 February to 4 March 2022, was themed *Necessities and Implementations for Sustaining Rural Systems in both Developed and less Developed Environments* and organised by the Department of Geography of the Faculty of Arts at the Menoufia University (Egypt), together with the Egyptian Geographical Group for Rural Development (EGGRD) of the Egyptian Geographical Society. The main leitmotif of the colloquium was as follows: «benefiting, not repeating, the experiences of developed rural communities could set up successful sustainable rural systems in the Global South». The four themes were as follows:

1. Promoting approaches for current Rural Geographies, able to conceive renewed issues in rural areas to achieve more fruitful Rural Studies.
2. Promoting the integrated fundamentals of rural environments: territorial, economic, social and physical through regional case-studies.

3. Smart Rural Innovations guided by the three lenses of innovation: desirability, feasibility and viability.
4. Challenges and compromises of rural-urban equilibrium, with expected contributions regarding the mutual recognition of agriculture and urbanisation as policy priorities for many world countries, principally in peri-urban environments, and their conflict in local case-studies.

There were 24 presentations, with more than 40 scholars present. The countries represented were: Egypt, Argentina, Belgium, China, France, Italy, Poland, Portugal, Romania, South Korea, Spain, Turkey and the USA. Some of the confirmed scholars were not present due to the enduring effects of the Covid-19 pandemic, including travel restrictions in many countries. The conference was held in person, with the exception of one virtual session with the confirmed presenting scholars finally not able/allowed to be present in Egypt.

The first academic sessions took place in the magnificent Egyptian Geographical Society building in Cairo, in the premises of the Egyptian Parliament. Here is stored a prominent collection of objects from different Sub-Saharan African regions; many expeditions used Cairo as the base for explorations of inland Africa in the 19th century. The opening session and the presentations were held in the superb Main Hall of the Egyptian Geographical Society, echoing the sessions of the 11th IGU Conference in 1925 which also took place here almost one century ago. The inaugural session was chaired by the President of the Egyptian Geographical Society (Essayed Elhusseini) and the President of Menoufia University (Aadel Mubarak). Other speakers were the President of the local Organising Committee (Salah Eisa), the Vice-President of the IGU (Rubén C. Lois) and both Co-Chairs of the IGU CSRS. The 30th IGU CSRS Colloquium to be held in Łódź (Poland) was presented in that opening session.



Subsequently, the scheduled sessions for paper presentations took place at Menoufia University headquarters, in Shebeen El-Kom (Northern Egypt), with excellent attendance by local students. Most of the fieldwork was based in the Nile Delta region, also in Northern Egypt.

The fieldwork included a visit to places such as the Regional Centre for Adult Education in Sers El-Layan, created under the auspices of the UNESCO. The irrigated area of the western Nile Delta (Rosetta branch of the river) from the Edfina barrage was also visited. This included a discussion of the problems caused by the sea erosion experienced in the river mouth area due to the upstream obstruction of sediments in the

Aswan dam, affecting both farmlands and coastal tourism developments. Further visits included the modern fruit and dairy farms developed in desert lands (located outside the Nile Delta), whose products are delivered to national and international markets, and the regions of Wadi El-Natroun and Fayoum Depression around the Lake Qaround. Wadi El-Natroun and Fayoum Depression are important international tourism attractions due to their historical heritage. Importantly, sustainability issues therein are exacerbated by political instability in Egypt, which has caused a decrease in the number of tourists visiting remote rural areas located far away from the main, widely known tourism hotspots of the country in the very valley of the Nile river.





B2. Fieldwork Seminar subsequent to the 28th

This fieldwork seminar took place around Zagreb (Croatia) from 13 to 16 July, 2022, chaired by Aleksandar Lukić, assisted by Ivan Šišak. It was attended by 20 rural geographers from 10 different countries. The purpose was to discuss in situ the different topics covered in the event held virtually held the year before, around the notion of ongoing transformations of the countryside.

The first day was devoted to studying the Medvednica Natural Park, located North of Zagreb, with ski resorts developed in a peri-urban area of the capital city of Croatia which is allegedly earmarked to nature preservation. The second day was dedicated to consideration of the sustainability linked to over-tourism in the Plitvice National Park, a dramatic Karst landscape. The following day the studied area was the Banovina region, located on the border between Croatia and Bosnia and Herzegovina. The area was already lagging behind in social and economic indicators in the Croatian context, however the effects of a border with a non- EU country in addition to the earthquake experienced in 2020 have worsened the region's situation. Some local development initiatives around inclusive and organic farming were visited and analysed, discussing the contribution of EU funds. The last day was devoted to analysis of the Krapina-Zagorje county, bordering Slovenia. In that region there is a relevant presence of post-/non-productivist rural

IGU CSRS Colloquium: Croatia (2022)

activities, and tourism developments mainly linked to the proximity to Zagreb.

B3. Participation in the IGU Conference in Paris (2022)

In the context of the centennial IGU conference held in Paris from 18 to 22 July 2022, the IGU CSRS sponsored four sessions:

1. *Rural Geography Avant la Lettre and the Development of the Sub-Discipline*, devoted to considering the history of the Rural Geography sub-discipline, in the context of the congress celebrating the IGU centenary. The first chair of this session was Valerià Paül. Four presentations were held, with a consideration of the following countries/regions: Belgium, Latin America as a whole, Poland and Spain.
2. *Is it still Relevant to Speak of Sustainability of Rural Systems in the 21st Century?*, devoted to the ongoing discussion on sustainability of rural areas. The first chair of this session was Serge Schmitz. This was the most well attended session, with 16 different presentations, including those from attendants from countries that are not commonly present at the IGU CSRS events, such as Ecuador, Estonia and India.

3. *Considering, Protecting and Promoting the Night-Time Environment: A New Interface of Tensions and Projects Between Cities and the Countryside*, devoted to studying the rural regions that are managing their environments to avoid night-light pollution related to their neighbouring urban areas. The first chair of this session was Johan Milian. Six presentations were presented, half of them from France but three others respectively, from Australia, Serbia and the United States.
4. *The Covid-19 Pandemic: An Opportunity for*

Rural Areas?, devoted to consideration of the impact of the Covid-19 pandemic in the countryside. The first chair of this session was Eugenio Cejudo. Eleven presentations were presented, all in Spanish and from Spain.

In the context of these days, the Co-Chairs organised an evening event on 20 July 2022 with all the rural geographers who wanted to liaise in Le Temps des₅C₁₃erises restaurant, with fresh, slow food products. Despite more than 30 attendees expected, the Covid-19 heavily impacted those days and many delegates did not attend at the end.



B4. 30th IGU CSRS Colloquium: Poland (2023)

Conference website: <https://wng.geo.uni.lodz.pl/pl/nauka/konferencje/igu-csrs2022>

The 30th IGU CSRS will be held in Łódź from 5 to 9 June, 2023. The overarching intention is to discuss the “green agenda” which is repeatedly argued must affect rural areas (e.g. energy transition and climate change adoption), assuming this agenda is controversial and widely contested. In this sense, the theme for the conference is “Clashes of Knowledge”.

Three sub-themes are planned:

1. Environmental risk and social transformations in rural areas, including issues of migration due to environmental change, resources and space conflicts, social disparities and quality of life.
2. Rural local communities and the challenges of the “green deal”, including concerns about social movements and organisations regarding sustainable development projects and smart growth, local initiatives, perception and image of the rural environment.

3. Transformation of the rural cultural landscape, including issues regarding environmental change impacts on the rural settlement physiognomy, implications of new green energy investments on rural landscapes and landscape adaptation to environmental change.

As usual, the conference is scheduled with fieldwork in the Łódzkie region.

The first call circulated in September 2022 and the second call in November 2022. The acceptance of abstracts has been extended until 11 January 2023, so currently it is still unknown how many presentation proposals have been submitted. It is a repeatedly argued concern of the local Organising Committee that the war in the neighbouring country of Ukraine affects the number of attendants.

C. Networking

The IGU CSRS collaborates with other IGU commissions and related international, intergovernmental or inter-and multi-disciplinary groups. These include:

- Since 2019, IGU CSRS corresponding members from Poland are part of the DESIRA (*Digitisation: Economic and Social Impacts in Rural Areas*) initiative, a EU H2020 Project coordinated by the University of Pisa on improving the capacity of society and of political bodies to respond to the challenges that digitisation generates in rural areas, agriculture and forestry in the next years ([https:// desira2020.eu/](https://desira2020.eu/)). The project has been granted for the period 2019-2023.
- In early 2020 a EU H2020 RISE project on sustainable development in mountain areas was granted (<https://www.highlands3.eu/>) for the period 2020-2023, extended to 2025 due to the Covid-19 pandemic. In this project, IGU CSRS corresponding members from different Argentinean, Austrian, Romanian and Spanish universities cooperate. There is a month session planned in early 2023 that will be held around Mendoza which is seen as an opportunity to test how the 31st IGU CSRS Colloquium to be held in 2024 will take place (see section A3).
- In mid-2022 the Local Organising Committee of the 21st Colloquium of the Spanish Group of Rural Geography asked the IGU CSRS to support this event held in early October 2022. A letter of support was sent. Thirty-seven presentations were presented, mainly by rural geographers from Spain but also France and the UK. The book of proceedings entitled *¿Renacimiento rural? Los espacios rurales en época de pos-pandemia* is available at <https://www.age-geografia.es/site/wp-content/uploads/2022/11/LibroActasColorural2022SantiagoCompostela.pdf> (in Spanish). For the 29th IGU CSRS Colloquium held in Egypt, Salah Eisa prepared a volume with 11 texts in English compiling his presentations at this colloquium and previous IGU CSRS colloquia. Valerià Paül, editor of the Catalan Society of Geography journal so-called *Treballs*, asked Salah Eisa to submit one of these texts as a paper to this journal. After peer-reviewing, this article was accepted and published at <http://revistes.iec.cat/index.php/TSCG/article/view/150032/147780> (“Readiness for Developing Rural Tourism in Egypt: An Overall Assessment and Three Case-Studies”). Also Valerià Paül invited Scott W.Hoefle (Brazil) to submit a manuscript on rural research methods to this journal, which, after peer- reviewing, it was accepted and published a t <http://revistes.iec.cat/index.php/TSCG/article/view/150033/147784> (“Objectivities and Subjectivities in Geographical Research: A Philosophical Inquiry into Methods”).
- Lou Angeli Ocampo (the Philippines) and Serge Schmitz (Belgium) have published together in 2022: <https://onlinelibrary.wiley.com/doi/abs/10.1111/1745-5871.12565> (“Accumulation by Dispossession and Hazardscape Production in Post-Corporate Gold Mining in Itogon, Philippines”).
- Rubén Boga, Valerià Paül (Spain) and Fiona Haslam McKenzie (Austria) have published together in 2022: <https://onlinelibrary.wiley.com/doi/epdf/10.1111/soru.12415> (“Padrón Peppers or Peppers from Herbón? Discussing the Controversial Attainment of a Geographical Indication in Light of Food (Re)Localisation Approaches”).
- Serge Schmitz is an editorial member of the journal *Geography and Sustainability*, an initiative largely supported by the IGU: <https://www.sciencedirect.com/journal/geography-and-sustainability>
- Prof Holly Barcus and Prof William Moseley held their inaugural lectures in late 2022 as DeWitt Wallace Professors of Geography. Their lectures, both on rural geography, were widely attended, virtually, by IGU CSRS corresponding members from across the globe, despite the time zones differences.



D. Publications and Dissemination

Academic dissemination has been a central purpose of the IGU CSRS since its origins. Most of the early colloquia developed conference proceeding books which usually took considerable time to publish after the respective colloquia. Further, in many countries a proceedings book is not considered a legitimate scientific publication. For these reasons, in recent conferences it was decided that the outcomes of the presentations held in the colloquia would be published in peer-reviewed conference proceedings and peer-reviewed papers in ranked scientific journals (commonly, by means of a special issue). A weakness of the latter is that they appear after the event and depend on the *ex post* submission of papers and the reviewing timing of the respective journal.

All these publication systems have been intensively discussed in recent years by the IGU CSRS SC. Hence, the current publications reflect different choices made between the IGU CSRS SC and the respective local Organising Committee of the colloquia that are annually held.

D1. Publications Derived from Previous Colloquia Appeared in 2022 or in Process of Edition

- From the 27th IGU CSRS Colloquium held in 2019, there are two 2022 publications:
 - The special issue 112(3) of *Geographical Review* “Sustaining Rural Systems: Rural Vitality in an Era of Globalization and Economic Nationalism”, edited by Holly Barcus and William Moseley, available at <https://www.tandfonline.com/toc/utgr20/112/3?nav=tocList> The book entitled *Rural Transformations: Globalization and its*

Implications for Rural People, Land, and Economies (ISBN 9780367626464), edited by Holly Barcus, Roy Jones and Serge Schmitz, published at Routledge, available at <https://www.routledge.com/Rural-Transformations-Globalization-and-Its-Implications-for-Rural-People/Barcus-Jones-Schmitz/p/book/9780367626464>

- From the 28th IGU CSRS Colloquium held virtually in 2021, a total of 9 manuscripts have been submitted following a post-colloquium specific call by the Organising Committee. The academic journal will be the *Croatian Geographical Bulletin* and the special issue containing these 9 articles is expected to be published in early 2023.
- From the 29th IGU CSRS Colloquium held in 2022, a call by the Organising Committee for manuscripts to be published at the historical *Bulletin de la Société de Géographie d'Égypte* was convened, the deadline being 31 July, 2022.

D2. Digital Networking

Website <https://igu-csrs.github.io>

In mid-2020, we set up a new website of the IGU CSRS. In 2021 it was updated, including a section on previous publications from the Commission and another on previous reports from the IGU CSRS SC available at <https://igu-csrs.github.io/reports.html>. Currently, there is a need to update this website (see section G).

Facebook

<https://www.facebook.com/ruralgeography/> This social network is constantly updated by Suk Kyeong Kang.

E-mail list igu-csrs@okayama-u.ac.jp

This e-mail list is maintained from Okayama University. The e-mails are filtered by Doo-Chul Kim.

E. Archival Contributions

In 2022, the IGU CSRS has transmitted to the IGU Archive in Leipzig (Archiv für Geographie, Leibniz-Institut für Länderkunde/Leibniz Institute for Regional Geography), kept by Bruno Schelhaas, three volumes from previous activities held by the IGU CSRS. In the next years, and depending the availability of funds, more publications of the IGU CSRS will be sent to the IGU Archive.

F. IGU Commission Excellence Award 2021

Michael E. Meadows, IGU, sent a letter in April 23, 2022 formally awarding and subsequently congratulating the IGU CSRS for the IGU Commission Excellence Award for 2021. This award invokes a commemorative lecture at a future IGU event (probably, the IGU Conference to be held in Dublin in 2024). The Co-Chairs warmly acknowledged this award and informed the whole IGU CSRS community.

IGU News: <https://igu-online.org/igu-commission-excellence-award-2021-igu-commission-on-rural-sustainability/>

G. Accountability

Part of the IGU funds received for 2020 and 2021 are earmarked for updating the IGU CSRS website until 2024. In early 2023 this will be done, with the corresponding payment for 2023.

With the IGU funds received for 2022, the event outlined in section B3 was partially covered. The remaining funds, plus the IGU funds to be received for 2023, will be used for the Ana Firmino Scholarship for the two scholarships to be granted for the 30th IGU CSRS Colloquium to be held in Poland (one for a student from the Global South/UN developing countries and one for a student from Ukraine covering the fees), both including the fieldwork and, if possible, the travel costs. Ultimately, it was decided that no Ana Firmino Scholarship was granted for the 29th IGU CSRS Colloquium.

The prize of US\$2500 linked to the IGU Commission Excellence Award (see section F) has not yet been transferred.

Submitted by

Serge Schmitz Valerià Paül Fiona Haslam Mc Kenzie Liège, Santiago de Compostela and Perth, 30 December, 2022

COMMISSION ON TOPONYMY (JOINT ICA/IGU) ANNUAL REPORT 2022

(A) Membership

As a joint venture of ICA and IGU the Commission is headed by a chair from the ICA side (currently Peter JORDAN, Austria), a chair from the IGU side (currently Cosimo PALAGIANO, Italy) and a common vice-chair (currently Paulo DE MENEZES, Brazil) as well as a steering board comprising the chairs and five additional members from different countries.

Full (steering board) members:

CHOO, Sungjae (Republic of Korea) sjchoo@khu.ac.kr FERLAND, Yaïves (Canada) yaives.ferland@scg.ulaval.ca JORDAN, Peter (Austria, ICA chair) peter.jordan@oeaw.ac.at

MENEZES, Paulo de (Brazil, common vice-chair) pmenezes@acd.ufrj.br ORMELING, Ferjan (Netherlands) f.ormeling@geo.uu.nl

PALAGIANO, Cosimo (Italy, IGU chair) cosimo.palagiano@uniroma1.it RAPER, Peter (South Africa) raperpe2@gmail.com

WATANABE, Kohei (Japan) kw10004@cam.ac.uk

The chairs and all other steering board members are in office since 2012 and will after three terms according to IGU regulations have to be replaced in 2024. The chair from ICA side will according to ICA regulations have to step back already in August 2023 (International Cartographic Conference in Cape Town, 13-18 August 2023) and be replaced by Matjaž Geršič, Slovenia). Also replacement of the rest of the current steering board from 2024 onward is already ascertained. It will thus be no problem to continue the Commission in 2024.

In addition, as of 4 December 2022, the Commission has 170 corresponding members from 49 countries and all continents, so in total $8+170 = 178$ full and corresponding members.

Countries by members: Italy 21, Republic of Korea 17, South Africa 13, Spain 11, Hungary 6, USA 6, Canada

6, Brazil 5, Japan 5, Romania 5, United Kingdom 5, Botswana 4, China 4, Netherlands 4, Poland 4,

Austria 3, Czechia 3, France 3, Lesotho 3, Slovenia 3, Taiwan 3, Zimbabwe 3, Alegria 2, Argentina

2, Croatia 2, Egypt 2, India 2, Israel 2, Kazakhstan 2, Tunisia 2, Switzerland 2, Saudi Arabia 2,

Australia 1, Belgium 1, Columbia 1, Germany 1, Indonesia 1, Jamaica 1, Moldova 1, New Zealand

1, Nigeria 1, Norway 1, Pakistan 1, Russian Federation 1, Suriname 1, Sweden 1, Turkey 1.

Website: www.igu-icatoponymy.org

(B) Meetings

(1) “Atlases in Time – National and Regional Issues”, conference at the occasion of the 150 anniversary of the Instituto Geográfico Nacional (IGN), Madrid (Spain), 20-23 April 2022, organized by the Instituto Geográfico Nacional in cooperation with the ICA Commission on Atlases, the ICA Commission on Map Design and our Joint ICA/IGU Commission on Toponymy. The conference was organized as a hybrid event in the headquarter of the Instituto Geográfico Nacional. Our Commission contributed one of two keynotes, i.e., GERCSÁK, Gábor (Hungary): Trends in the use of place names in the national atlases of Hungary (1967-2021), and these 14 (in the sequence of their presentation) of 30 papers, which were all presented to the plenary in a mixed format: REINSMA, Riemer (Netherlands): Toponymic rows in (former) geography teaching LÓPEZ-

LEIVA, César; TORT I DONADA, Joan (both Spain): Toponymy and the change of

scale: a consideration of a theoretical problem
JENEY, János (Hungary): Romanization of Cyrillic script: a comparison between Serbian and Ukrainian names

HERZEN, Andrey (Russia): Place names of the north-western Black Sea Region in the Rizzi Zannoni Atlas

JORDAN, Peter (Austria): Minority place-name standardization. A comparison of regulations and approaches in Europe

BEKKOUCHE, Ammara (Algeria): Transliteration or phonetic transcription of names from non-roman alphabets

ZAGÓRSKI, Bogusław R. (Poland): Iberian Peninsula (Jazirat al-Andalus) and its toponymy
CHICHERI, Jordi et al. (all Spain): Gazetteer of municipalities and population entities TÁTRAJ,

Patrik (Hungary): Nationalization of place names? The use of toponymy in two atlases of the Carpatho-Pannonian area

ALONSO, Bárbara; CALVO, Irene (both Spain): Toponymy in cartographic databases at the National Atlas of Spain

ALASLI, Malak (Hungary): Toponyms of the Maghreb and their presentation in Hungarian school atlases

ORONGO, Daniel; GEDE, Mátyás (both Hungary): The emerging roles of place names in thematic atlases

CRLJENKO, Ivana (Croatia): Analysis of Spanish-Croatian relations based on Croatian world atlases

DÍEZ, Estrella (Canada): Spanish toponymic generics borrowed by North American English

(2) IGU Centennial Congress, Paris (France), 18-22 July 2022: Our Commission organized a session on “Place names as (positive or negative) brands”, in which, chaired by Peter JORDAN and Cosimo PALAGIANO, the following 15 papers were presented (in the sequence of their presentation):

ALASLI, Malak (Hungary): The impact of place names as brands CHOO, Sungjae (Republic of Korea): Further Issues and

ALAGIANO, Cosimo (Italy): Place names as negative brands. Some disasters are still alive in the memory due to the consequences they brought about

CHERRY, Jonathan (Ireland): Colonial naming and renaming in Ireland: creating a ‘civilising’ brand

KIM, Chanho (Republic of Korea): An experimental study on the negative brand value of place names adopting the context of toponymic stigma: A case of Wuhan, China

CLIMENT-LÓPEZ, Eugenio (Spain): The use of place names (or their lack) in the brands of the Protected Designations of Origin: the case of the wine-growing areas of the Ebro Valley (Spain)

FARIČIĆ, Josip (Croatia): Dalmatia – name as a sign, name as a brand

FONT-CASASECA, Nuria (Spain): Renaming neighborhoods through digital platforms in
GERŠIČ, Matjaž (Slovenia): Standardization of geographical names through research projects – two examples from Slovenia

HAVADI NAGY, Xenia (Romania): Do all roads lead to Rome? Place names and landscape elements in Hungarian, Romanian and German proverbs and sayings

JORDAN, Peter (Austria): Place names as (positive or negative) brands: Examples from Europe
MIKHAILOVA, Ekaterina (Switzerland): Insights on Critical Toponymy Based on

Developing an online course “Naming the World”

ORONGO NYANGWESO, Daniel (Hungary): Trending perspectives of place names on geopolitics, identity and effects in the advent of Covid-19
PRASAD, Suraj (India): Dichotomy of Economic and Cultural Space: Re-examining the impact of ‘Madhubani Painting’ on ‘Mithila Art’

VIOLANTE, Antonio (Italy): #Go Montenegro: A global pandemic as the ultimate rebranding tool

(3) EuroCarto 2022, Vienna [Wien], 19-21 September 2022: To this conference, organized by the Technical University of Vienna in cooperation with several cartographic societies and

commissions and classified as an ICA Regional Conference, our Commission contributed a pre-conference workshop (18 September), while all conference sessions (including a toponymic session) were organized by the TU Vienna.

Preconference workshop on our Commission's research project "Minority place-name standardization. A comparison of regulations and approaches in Europe". Co-authors of the research and book project presented their preliminary results:

JORDAN, Peter: Introduction into the project, country section on Austria
CRLJENKO, Ivana: Croatia

SIWEK, Tadeusz: Czechia
MERSCH, Sam: Luxemburg
HELANDER, Kaisa Rautio: Norway
TORT I DONADA, Joan: Spain

BARTOS-ELEKES, Zsombor: Romania
JORDAN, Peter: Closing

Meetings planned for 2023

- (1) **IGU Thematic conference "The Ocean and Seas in Geographical Thought", Milan [Milano], Italy, 6-7 June 2023**, co-organized by the IGU commissions on History of Geography, Gender and Geography, Geography of Governance, the Mediterranean Basin, Political Geography, Tourism, Leisure and Global Change, as well as our Joint ICA/IGU Commission on Toponymy. Our Commission organizes the session "Names and naming of oceans and seas as a specific and politically delicate issue" highlighting the following major issues: Names and naming of oceans and seas are specific for at least four reasons: (1) They refer to unpopulated features. (2) They refer to usually large features, some of which have for this very reason
- (3) been perceived as geographical entities only rather late in the age of discoveries, through the development of sciences, especially of a geographical world view and its cartographic representation.
- (4) They only exceptionally refer to features under a single sovereignty and are thus

exposed to political conflict. Names of oceans and seas are therefore a mixture of some having emerged from local use and others applied from the outside. Dual and even multiple naming in the narrower sense (not confined to translations) from different coasts is not an exception. Due to the symbolic power of place names in general, names of oceans and seas are sometimes understood as political claims causing conflict. An international authority, the International Hydrographic Organization (IHO), is in charge of standardizing maritime names for the purpose of international navigation and charts but cannot prevent deviating use in the media and education. The session will be open for papers on all these issues starting from the history of naming across the practical and emotional relation of coastal dwellers to 'their' sea as reflected by naming, the question of whether toponomastic terminology applicable to names for features on land (like 'endonym' and 'exonym') is completely transferable to maritime features or whether additional terms like 'international name' or 'thalassonym' are needed. The session is to cover also the specific problems of standardizing maritime names as well as name conflicts and their character as indicators of deeper political conflicts, of which names are just the symbolic surface. The session will very likely show that geographical names are also in the case of names of oceans and seas points of convergence of many geographical perspectives.

- (2) **31st International Cartographic Conference (ICC 2023), Cape Town, South Africa, 13- 18 August 2023**: Our Commission will organize a session on place names in the context of cartography.
- (3) **9 EuGeo Congress, Barcelona, Spain, 4-7 September 2023**: Our Commission plans submitting as session proposal titled "Minority place-name standardization – A comparison of regulations and approaches in Europe", the Commission's ongoing

research and book project, with the following content: Related to the representation of minority place names in public space (on town signs, road signs etc.) and on maps exist various regulations in Europe. They differ by definition of the minority, by feature categories included (populated places, natural features etc.), by the administrative level where the decision is taken (national, province, district, commune level), by the share of minority population necessary for taking advantage of the regulation, by additional procedures necessary to effectuate the right on the name, by the choice between standard language and dialect name versions, by the kind of visual representation of the minority name, by comprehensiveness of the fields where the minority name has (in addition to the majority name) to be used (only on town signs, also on maps, in all kinds of communication), by the level of officiality of the minority name (as official as the majority name, supplementary official, just for information etc.) and certainly by several others. It would be scientifically rewarding to compare such regulations in the various countries of Europe on the background of ethnic and linguistic structures, historical and political developments, the political landscape, and external relations. It would also be interesting to learn, to which extent these regulations satisfy minorities and are accepted by majorities or whether they arouse even conflict. The call for this session will ask for papers authored by geographers and colleagues from related disciplines providing nation-wide surveys on this topic. A special invitation is extended to the authors of the book project of the same title.

- (4) **7 International Symposium on Place Names (ISPN 2023) “The presence of minority and indigenous languages in urban naming.”, Bloemfontein, South Africa, 25-29 September 2023**, organized by the University of the Free State in cooperation with our Commission, with a pre-conference workshop on toponymic data processing.

- (5) **Conference on Literary, Polar and Extraterrestrial Place Names, Rome [Roma], Italy, 23-23 November 2023**, organized by the Accademia Nazionale dei Lincei in cooperation with our Commission. Major themes are: (1) Place names in all ancient, medieval and modern literature, (2) The names of polar lands enclosed those given by explorers, (3) The names given to places of Moon and Mars in historical times and at present.

(C) Networking

The Commission cooperates closely with the **United Nations Group of Experts on Geographical Names (UNGEGN)**. Cosimo PALAGIANO is UNGEGN's IGU Liaison Officer since 2021, Peter JORDAN

UNGEGN's ICA Liaison Officer since 2017. The latter is a member of UNGEGN since 1986 and was 2006-2017 convenor of its Working Group on Exonyms. Former and current UNGEGN Chairs and Vice-chairs are steering board members of the Commission. The Commission reports regularly to UNGEGN on its activities.

The **International Council of Onomastic Sciences (ICOS)** is the other multidisciplinary global umbrella organization in the field of geographical names and beyond. Membership of ICOS and the Commission largely overlaps, and many Commission members occupy leading positions in ICOS. Peter JORDAN is ICOS Vice-president for the term 2021-2024 representing geography in the ICOS Board of Directors. He is in ICOS also responsible for cooperation with other global scientific organizations like IGU, ICA, UNGEGN.

UNGEGN as well as ICOS offer the Commission an impact far beyond the limits of geography and cartography and thus the opportunity to present geographical ideas and findings to a wider scientific community, notably linguists, who use to perceive them as most valuable supplements.

Impact on linguists and a fertile exchange of ideas with them is also a main characteristic of the series of symposia in cooperation with the **University of the Free State**, Faculty of

Humanities, Bloemfontein, South Africa. The series of so far four joint meetings (Bloemfontein, but conducted virtually 2021, Clarens 2019, Windhoek 2017, Clarens 2015) will be continued in 2023.

Another series of events are the International Pan American Symposia on Toponymy locally organized by the **Federal University of Rio de Janeiro (Brazil) and the Brazilian Institute of Geography and Statistics**. The second event of this kind after the first in 2019 took place in November 2021. The proceedings of the 2021 symposium have been published in 2022 with financial support from IGU and ICA.

The added value of these symposia for the Commission is their strong impact on the respective region,

i.e., southern Africa and Latin America resp., and vice versa for the local community the opportunity to present the wealth of local and regional toponymic research to a global audience.

Within ICA the Commission's cooperation is closest with the ICA Commission on Atlases (Chair: René SIEBER), earlier chaired by Peter JORDAN, as documented by several jointly organized symposia before 2019 and again in 2022 (Madrid, see above). It is almost as close with the ICA Commission on the History of Cartography (Chair: Imre DEMHARDT).

Within IGU common events have been and will be organized with the IGU commissions on Political Geography (Chair: Virginie MAMADOUH), Cultural Approaches in Geography (Chair: Je- Hun RYU), History of Geography (Chair: Marcella SCHMIDT DI FRIEBERG), Tourism, Leisure and Global Change (Chair: Julie WILSON) and Geography of Governance (Chair: Carlos Nunes SILVA). The IGU Thematic conference "The Ocean and Seas in Geographical Thought" in Milan [Milano] 2023 will reinforce cooperation with most of these commissions. In the book series "Local and Urban Governance", edited by Carlos Nunes SILVA, the Commission's book project "Minority place-name standardization – A comparison of regulations and approaches in Europe", edited by Peter JORDAN,

will be published.

(D) Publications 2022

Proceedings of the 2nd International Pan American Symposium on Toponymy - II SIPAT, Rio de Janeiro [Brazil], 17-19 November 2021, organized by the Federal University of Rio de Janeiro, the Brazilian Institute of Geography and Statistics (IBGE), as well as PPG and GeoCart and co- organized by UNGEGN, our Joint ICA/IGU Commission on Toponymy, the Pan-American Institute of Geography and History (PAIGH) and two other Brazilian institutions. *Revista Brasileira de Geografia*, 67, 1, 2022. The proceedings were published in Portuguese and English, translation to English was supported by financial contributions of ICA and IGU.

- List of contents: Wellington GOMES DOS SANTOS, Eudoxio Antonio BATISTA JUNIOR (both Brazil): Convergence of toponymies in intellectual property assets: geographic indications and valuation of territories
- Victor Marcelino SANTOS (Brazil): The geography of names: an analysis of the motivational classification of the toponyms of Espírito Santo
- Paulo Márcio LEAL DE MENEZES, Manoel DO COUTO FERNANDES, Kairo DA SILVA SANTOS, Fernando
- DE SOUZA ANTUNES, Patrick LOSS OLIVEIRA, Daniel DI SALVO, Gabriela CALAFATE FERREIRA,
- Francisco JOSÉ CORRÊA-MARTINS, José GOMES DOS SANTOS, Adriana ANDRADE ARNAUT (all Brazil): Toponymic analysis of the Nova Lusitânia Map
- Eliene CARVALHO DA SILVA, Edmar PEIXOTO DE LIMA (both Brazil): The toponymic motivations of Rio Grande do Norte State cities
- Maria CÂNDIDA TRINDADE COSTA DE SEABRA, Márcia Maria DUARTE DOS SANTOS (both Brazil): Toponymic Atlas of

- Minas Gerais: on its way to two decades of History
- Vanessa MALHEIRO MORAIS (Brazil): Cartography of the living cultural heritage of the District of Terra Firme, Belém-Pará
 - Adriana ARNAUT, José GOMES DOS SANTOS, Paulo Márcio LEAL DE MENEZES (all Brazil): Since the Ancient Sugar Mills: toponymic marks on farms in the Catu territory
 - Jenny Patricia AGUIRRE (Brazil): Empowerment of indigenous women and intellectual property: elements to reduce gender gaps
 - Deiseane OLIVEIRA LOPES, Anderson DANTAS DA SILVA BRITO (both Brazil): Among squares, streets and alleys: toponymic representations and the imaginary in the Historic Center of Barreiras-BA
 - Daniel RIBEIRO GOMES DI SALVO, Tainá LAETA, Manoel DO COUTO FERNANDES, Paulo Márcio LEALDE
 - MENEZES (all Brazil): Toponymic study of the Inserts of the Nova Lusitânia" (1798)
 - Bruno César DOS SANTOS, Fernando Amaro PESSOA (both Brazil): Geodiversity and Toponymy in trails and watersheds: a case study in Petrópolis, Mountain Region of RJ
 - María Teresa GARRIDO BORREGO, Cristina TORRECILLAS LOZANO (both Spain): Toponymic management linked to Cartography in Andalucía (Spain)
 - Marina MIRAGLIA, Daniela Noelia NATALE (both Brazil): Incorporation of toponyms in a spatial data infrastructure: the territory of the Guarani Jesuit Missions, XVII to XX Centuries
 - Adriana Alexandria MACHADO, Elias NASR NAIM ELIAS, Leonardo SCHARTH LOUREIRO SILVA, Silvana PHILIPPI CAMBOIM, Marcio Augusto REOLON SCHMIDT (all Brazil): Volunteered geographic information: the potential of collaborative tools for the acquisition of geographic names
 - Ana Carolina SANTOS E SILVA (Brazil): Memory and toponyms: an analysis of the cultural landscape of the municipality of Ubá-MG
 - Jörn SEEMANN (United States): Mutability and stagnancy of place names: the case of the State of Indiana Lorena DA FONSECA SAMPAIO, Ana Angélica LIGIÉRO ALBERONI (both Brazil): Geographic names of submarine relief forms on the Brazilian Continental Margin
 - Kairo DA SILVA SANTOS (Brazil): Where are the names in Geography? Approaches and paths of Ibero-American Toponymy
 - Jéssica NAYRA SAYÃO DE PAULA (Brazil): Toponymy of Arab origin in streets of Belo Horizonte Rui JACINTO, Dirce Maria ANTUNES SUERTEGARAY, Inocencio DE OLIVEIRA BORGES NETO (all Brazil): Toponymy, settlement and territory organization: a comparative study based on the names of municipalities in the Brazilian States of Paraíba and Rio Grande do Sul
 - Ana Paula MENDES ALVES DE CARVALHO (Brazil): Religious toponymy of Catholic tradition in the denomination of Brazilian municipalities: past and present
 - Ferjan ORMELING (Netherlands): Toponymy and local languages
 - Paterson Franco COSTA, Volha YERMALAYEVA FRANCO (both Brazil): Transliteration of toponyms and first names from Belarusian to Portuguese
 - Cosimo PALAGIANO (Italy): What may different writings on the maps say?
 - Peter JORDAN (Austria): Some principal thoughts on place names and place naming
 - **Publication in progress** (under the auspices of the IGU Commission on the Geography of Governance and our Commission): **JORDAN, Peter (ed.): Minority place-name standardization. A comparison of regulations and approaches in Europe**

The book attempts to compare regulations on

minority place names in the countries of Europe with autochthonous linguistic minorities on the background of ethnic and linguistic structures, historical and political developments, the political landscape, governance structures, and external relations. Is minority place-name standardization part of the general standardization process or are there specific regulations? Is it a bottom-up or a top-down process and which administrative levels are involved? The book is also going to explain, to which extent these regulations satisfy linguistic minorities and help to facilitate the relations between majority and minority.

Contents Introduction (Peter JORDAN)

1. The concept fields of minorities/non-dominant groups, toponymy and place-name standardization (Peter JORDAN)
2. International standards in minority place-name standardization (Peter JORDAN) 4
Minority place-name standardization by countries
 1. Central Europe
 - 1.1. Austria (Peter Jordan, *confirmed*)
 - 1.2. Croatia (Ivana Crljenko, *confirmed*)
 - 1.3. Czechia (Tadeusz Siwek, *confirmed*)
 - 1.4. Estonia (Peeter Päll, *confirmed*)
 - 1.5. Germany (Helge Paulig, *confirmed*)
 - 1.6. Hungary (Gábor Mikesy & Attila Sasi, *confirmed*) Latvia (Zane Cekula, *confirmed*) Luxembourg (Sam Mersch, *confirmed*)
 - 1.7. Lithuania (Rita Baranauskienė & Ilona Mickienė, *confirmed*)
 - 1.8. Poland (Maciej Zych, *confirmed*)
 - 1.9. Slovakia (Vladimir Ira & Juraj Majo, *confirmed*)
 - 1.10. Slovenia (Matjaž Geršič & Drago Perko, *confirmed*)
 - 1.11. Switzerland (Alfred Gut et al., *confirmed*)
 2. North Europe
 - 2.1. Denmark (Peder Gammeltoft, *confirmed*)
 - 2.2. Finland (Ulla Onkamo & Teemu Leskinen, *confirmed*)

- 2.3. Norway (Kaisa Rautio Helander, *confirmed*)
- 2.4. Sweden (Staffan Nyström, *confirmed*)
3. West Europe
 - 3.1. Belgium (Christian Vandermotten, *confirmed*)
 - 3.2. France (Pierre Jaillard, *confirmed*)
 - 3.3. Ireland (Aindí Mac Giolla Chomhghaill, *confirmed*)
 - 3.4. Netherlands (Jasper Hogerwerf, *confirmed*)
 - 3.5. United Kingdom (Guy Puzey, *confirmed*)
4. South Europe
 - 4.1. Italy (Igor Jelen et al., *confirmed*)
 - 4.2. Portugal (António Bárbolo Alves & Anabela Leal de Barros, *confirmed*)
 - 4.3. Spain (Joan Tort i Donada & Maria del Mar Batlle, *confirmed*)
5. Southeast Europe
 - 5.1. Albania (Dhimiter Doka, *confirmed*)
 - 5.2. Bosnia and Herzegovina (Rahman Nurković, *confirmed*)
 - 5.3. Bulgaria (Boian Koulov, *confirmed*)
 - 5.4. Greece (Konstantinos Tsitselikis, *confirmed*)
 - 5.5. Kosovo (N.N.)
 - 5.6. Moldova (Dorin Lozovanu, *confirmed*)
 - 5.7. Montenegro (N.N.)
 - 5.8. North Macedonia (N.N.)
 - 5.9. Romania (Zsombor Bartos-Elekes, *confirmed*)
 - 5.10. Serbia (Rade Goljović, *confirmed*)
6. East Europe
 - 6.1. Belarus (Ihar L. Kapylou)
 - 6.2. Russian Federation, European part (Andrej Herzen, Yuliana Gordova & Olga Herzen, *confirmed*)
 - 6.3. Ukraine (Yaroslav Redkva, *confirmed*)
- 5 Comparative discussion of current situations (Peter JORDAN)
- 6 Conclusion (Peter JORDAN)

Audience

The book addresses (political) and other human geographers as well as colleagues from related

disciplines, but even more so administrators at all levels, most specifically in minority regions, as well as minority associations and organizations and their representatives. It can serve as a sound basis for discussions also in the Federal Union of European Nationalities (FUEN) representing the interests of European minorities including minority rights, among which the rights of being visible in the linguistic landscape and to have official place names are very important and symbolic.

Work plan

December 2021: Contract with Springer Publishers settled by 31 December 2022: Delivery of all country sections (Chapter 4)

2023: Elaboration of chapters 1-3, 5-6; editorial work; peer-reviewing; technical book

production by 31 December 2023: Book manuscript submitted to the publisher

2024: Publication of the book

(E) Archival contributions

No archival materials were transmitted to the IGU archives.

(F) Use of IGU grants

IGU grants (as well as an equal amount of ICA grants) were used for the translation of contributions in Portuguese to English to the

Proceedings of the 2nd International Pan American Symposium on Toponymy - II SIPAT, Rio de Janeiro [Brazil], 17-19 November 2021. The Commission feels very obliged for this grant.

C16.36 COMMISSION ON TRANSPORT AND GEOGRAPHY REPORT 2022

A) MEMBERSHIP AND STEERING

COMMITTEE Membership

At the end of 2022, membership of the IGU Transport and Geography Commission (T&GC) totalled 534 members from 59 countries. Membership includes attendees and participants at T&GC sessions held at IGU Santiago 2011, IGC Cologne 2012, IGU Kyoto 2013, IGU Krakow 2014, IGU Moscow 2015, IGC Beijing

2016, IGU Quebec City 2018, RGS London 2019, Online workshop 2020, IGU Istanbul 2021 and the 2022 Centennial Congress in Paris, as well as Steering Committee members and self-requests from various colleagues.

Breakdown of Transport and Geography Commission members by country:*

117	China
59	UK
38	Poland
41	France
35	USA
22	Belgium
19	Spain
17	Japan
15	Germany
14	Hong Kong SAR, Belgium
12	Russia
11	The Netherlands, India
8	Canada, Czech Republic, South Africa
7	Nigeria
6	Australia, Malta
5	Brazil, Italy
4	Ireland, Portugal

3	Ghana, Luxemburg, Slovenia, Switzerland
2	Denmark, Hungary, Israel, Ivory Coast, Malaysia, Peru, Slovakia, Sweden, Taiwan, Ukraine, Argentina, Mexico
1	Austria, Bangladesh, Chile, China/Japan, Japan/Germany, , Nigeria/Japan, Norway, Philippines, Philippines/Japan, Poland/UK, Poland/USA, Romania, Russia/Canada, Saudi Arabia, Singapore, Sri Lanka/Japan, South Korea, Trinidad and Tobago

9 Unknown

534 TOTAL

* Including some members representing two countries

Steering Committee 2020–2024

None change since the last election in 2020.

Chair:

Dr Frederic DOBRUSZKES

Brussels Free University (ULB–Université libre de Bruxelles), Brussels, Belgium Faculty of Sciences, DGES-IGEAT

Av. Franklin D. Roosevelt 50, box 130/03 - 1050 Brussels - Belgium frederic.dobruszkes@ulb.be – Phone +32 2 650 68 24

Vice Chair:

Professor Pengjun ZHAO

Peking University, Beijing, China Department of Urban and Regional Planning pengjun.zhao@pku.edu.cn

Secretary:

Dr Chia-Lin CHEN University of Liverpool, UK

Department of Geography and Planning chia-lin.chen@liverpool.ac.uk

Treasurer ex officio (honorary member):

Professor Andrew Goetz, University of Denver, Colorado, USA agoetz@du.edu

Other members in the alphabetical order:

Professor Julie CIDELL, University of Illinois, USA jcidell@illinois.edu

Professor Claude COMTOIS, Université de Montreal, Canada claud.comtois@umontreal.ca

Dr Ana CONDECO-MELHORADO, Universidad Complutense de Madrid, Spain amcondeco@gmail.com

Professor Aisling REYNOLDS-FEIGHAN, University College Dublin, Ireland aisling.reynolds@ucd.ie

Professor Tim RYLEY, Griffith University, Queensland, Australia t.ryley@griffith.edu.au

Professor Koichi TANAKA, Ibaraki University, Japan gis@mx.ibaraki.ac.jp

Professor Thomas THEVENIN, Université de Bourgogne, France Thomas.Thevenin@u-bourgogne.fr
Dr James WANG, University of Hong Kong, Hong Kong SARjwang@hku.hk

Honorary members:

We are also very keen to welcome two honorary members as a warm thank you for their deep involvement in the life of our Commission over the past decade.

Professor Richard KNOWLES, University of Salford, UK & University of Huddersfield, UK R.D.Knowles@salford.ac.uk

Professor Andrew GOETZ, University of Denver, Colorado, USA agoetz@du.edu

B) MEETINGS

IGU Centennial Congress in Paris, 18-22 July 2022

The Transport & Geography Commission has been very active within the Paris 2022 UGI Centennial Congress (18-22 July 2022), with no less than 12 themed sessions, gathering 131 submitted abstracts and requiring 33 slots. All together and beyond numbers, they offered a nice range of topics, spaces/ places and scales. Several of these sessions were organised by newcomers, which is appreciable.

2022 UGI Centennial Congress themed sessions	Conveners	Abstracts *
Disruption to international travel and cross-boundary commuting	Richard D. Knowles	10
Geographical Impacts of Urban and Metro-politan Logistics: mobilities of e-commerce, warehousing, logistics real estate, urban freight	Heleen Buldeo Rai, Laetitia Dablang, Ade-line Heitz & Matthieu Schorung	16
Geohistorical Transport Networks in Modern Europe	Thomas Thévenin, Isabelle Séguy, Christophe Mimeur & Alexis Litvine	11
Global consumption network and its logistics geography	James J. Wang, Zuopeng Xiao, Jinyan Yu, & Quan Yuan	8
High Speed Rail Development: Geographical Impacts	Andrew Goetz & Chia-Lin Chen	10
Legacy and impact of municipality investments and policies during COVID-19 intranport and their role in the recovery	Richard D. Quodamine, Maria Attard & Andy Goetz	7
Spatial dimensions of e-mobility to foster multimodal and intermodal transport	Nadia Giuffrida & Francesco Pilla	10

The role of railway stations in urban transi- tions: Energy, nature, communities: soli- darity and circularity	Nacima Baron	16
The spatial dimensions of long-distance rail liberalisation	Frédéric Dobruszkes & Amparo Moyano	5
Understanding the Future of Urban Mobil-ity	Darren Scott & Matthias Sweet	15
What Future for Containerisation and Glob- alisation?	Antoine Frémont, Arnaud Serry & Jacques Charlier	8
Within reach: Reassessing the role of time and distance in mobility studies	Anders Larsson (University of Gothen-burg) & Ellen Lagrell (University of Gothenburg)	15

* Including no-shows, especially from China due to travel restrictions.

Our annual Commission meeting was organised during the conference (on Tuesday the 19th of July, from 17:00 to 18:00). It attracted dozens of attendees.

The programme was as follows:

1. Steering Committee Membership
2. Commission membership
3. Reviewing 2022 main activities (so far)
4. T&G Commission Travel Grants giving (by A. Goetz)
5. Perspectives for 2023 onwards
6. Book Series: Transport, Mobilities & Spatial Change (by R. Knowles)
7. Any other business

Environmental, welfare and energy questions, and social, economic and governance di- mensions are

During this meeting, Chair Frédéric Dobruszkes thanked our Commission's Secretary Chia-Lin Chen for her efficient management as well as session conveners. He highlighted the quality of the sessions as a whole, but also pointed out, as at the previous annual meet- ing, that *geography* should never be forgotten in *transport geography*. In other words, a 'transport geography' session should not be like any 'transport' session. As Karen Lucas' questioning "*What does transport geography add to transport studies?*" (The Brian Hoyle Annual Lecture in Transport Geography, 2019 RGS-IBG Annual International Conference, London) should be our guideline.

The meeting was also a nice opportunity to award our travel grants to the laureates (see below, Section F).

Last but not least, this busy week also included a vibrant, informal evening on Wed the 20th of July from 20:00 at Rosa Bonheur sur Seine (literary 'Rosa Happiness upon Seine'), a bar-disco-boat where member could nicely chat each other and enjoy some cooler weather despite the heatwave, not talking about local drinks and even some dance steps for some.

Overall and beyond debatable aspects of the congress (including no lunch, very late time- table, promotion of alternative languages and outdated rooms) and Chinese colleagues being absent due to travel restrictions, it will be etched as the first post-pandemic in-per-son conference for many attendees.

C) NETWORKING

The mission of the IGU Transport and Geography Commission is to share and disseminate transport geography research at a global level in conjunction with national research groups and other IGU Commissions. Our research focuses on transport, mobilities and spatial change and relates to geographic theory. It involves the analysis of transport poli- cies, processes and behaviours that influence the movement of people, goods and infor- mation. This research includes all modes of transport, at local, regional and global scales.

also addressed. Dissemination of the Commission's work includes books, research

journal papers and journal Special Issues.

As a result, the Commission liaises other transport research groups and other IGU Com-missions including:

- the Transportation Geography Specialty Group (TGSG) of the American Associa-tion of Geographers
- the Hong Kong Society for Transportation Studies (HKSTS)
- the Transport Geography Research Group (TGRG) of the Royal Geographical Soci-ety (with the Institute of British Geographers)
- AK Mobilitat und Verkehr (Germany)
- NECTAR (Network on European Communications and Transport Activity Re-search)
- EUGEO (Association of Geographical Societies in Europe).
- IGU Commission on Urban Geography

T&GC Steering Committee members and many ordinary Commission members have strong international links, joint research and publications with many other geographers and transport researchers.

A recent development is the organisation of two joint special session with Commission C20.17 on Geography of Tourism, Leisure, and Global Change, to be convened within the 9th EUGEO Congress (September 2023, Barcelona, Spain).

D) PUBLICATIONS

Several papers presented at the aforementioned themed sessions would be/have been submitted to (and sometimes already been published in) academic journals, although notwithin specific issues.

The wide scope of topics and the large number of papers also offers opportunities to feed book series edited by Commission's members, including:

- Population, Regional Development and Transport series (Springer), edited by

ourVice

Chair Prof. Pengjun Zhao – See <https://www.springer.com/series/16410>

- Transport, Mobilities and Spatial Change series (Edward Elgar), edited by our hon-orary member Prof. Richard Knowles and our former member Prof. Markus Hesse
- See <https://www.e-elgar.com/shop/gbp/book-series/geography/transport-mobilities-and-spatial-change.html>

Let also recall our Secretary Chia-Lin CHEN keep our webpage updated, after having de-signed it – <https://igu-transport.org/>

E) ARCHIVAL CONTRIBUTIONS

PRODUCTIVE USE OF PREVIOUS IGU GRANT LIKE SUPPORTING YOUNG SCHOLARS, PUBLICATIONS AND SEMINARS FROM LOW INCOME COUNTRIES

In view of the Centennial Congress, we offered once again travel grants. Preference was still given to (1) scholars from least developed/developing/emerging countries and (2) young or emerging scholars (up to five years after receiving PhD Awards). However, the grant has been adjusted as follows:

- Early stage, same macro-region or distance <4,000 km: \$600
- Early stage, other macro-region or distance >4,000 km: \$800
- Developing country: \$1000

We also awarded the 2020 travel grant (34th IGC Conference, moved online) provided laureates also contributed to the Paris congress.

Laureates are:

1. From the 34th IGC Conference (Istanbul/online, 2020):
- Amparo MOYANO, University of Castilla-

La Mancha, Spain (criteria #2)	University of Luján, Buenos Aires, Argentina (criteria #1)
2. 2022 laureates:	
• Surjaa CHAKRAVARTI, Jawaharlal Nehru University, New Delhi, India (criteria#1)	Dr Frédéric DOBRUSZKES (Chair) frederic.dobruszkes@ulb.be
• Karyn SCERRI, University of Malta, Malta (criteria #2)	Professor Pengjun ZHAO (Vice-Chair) pengjun.zhao@pku.edu.cn
• Arthur STARZEC, University College London, UK (criteria #2)	Dr Chia-Lin CHEN (Secretary)chia-lin.chen@liverpool.ac.uk
• Elda Vivianna TANCREDI, National	12 December 2022

COMMISSION ON URBAN GEOGRAPHY– (RE) THINKING CITIES AND THE URBAN: FROM THE GLOBAL TO THE LOCAL (C20.42) ANNUAL REPORT 2022

A. MEMBERSHIPS 1

A1. Structure of the steering Committee 1

A2. Members 2

A3. Commission mailing list 3

A4. Early Career Researchers support 3

Hesse bourg

Javier Delgado Camp
UNAM, Mexico
interfase7@gmail.com
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B. MEETINGS 4

B1. Meetings in 2022 4

IGU Paris. Time for Geographers. The Centennial Congress 2022 4

IGU Urban Geography Commission Annual Conference 5

B2. Future Meetings 6

IGU Thematic Session 6

35th International Geographical Congress 6

IGU Urban Commission Annual Conference 6

C. NETWORKING 7

D. PUBLICATIONS 7

E. ARCHIVAL CONTRIBUTIONS 8

Since August 2020, the composition of the Urban Geography Commission is as follows (4 woman, 6 men + Chair (woman)):

Chair

Name	Institution	Mail
María José PiñeiraMantiñán	University of Santiago deCompostela, Spain	mariajose.pineira@usc.es

Vice-Chair

Name	Institution	Mail
Markus	University of Luxembourg,Luxem	markus.hesse@uni.lu

Steering committee members

Name	Institution	Mail
Natacha Aveline	University Paris I Panthéon, France	natacha.aveline@cnrs.fr
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Hermanus Geyer Jr.	University of Stellenbosch, South Africa	hsgeyerjr@sun.ac.za
Maria Gunko	Russian Academy of Sciences, Russia	msgunko@gmail.com
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Niamh Moore	University College Dublin, Ireland	Niamh.moore@ucd.ie
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Jun	Universi	jtsu@geoenvironment.tsukuba.ac

Tsutsumi
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Tsukuba
, Japan
.jp

Early Career Committee

Name	Institution	Mail
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Dan O'Donoghue - Chair	Canterbury Christ Church University, United Kingdom	daniel.donoghue@canterbury.ac.uk
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Liliane Barakat	Université Saint-Joseph de Beyrouth, Lebanon	liliane.barakat@usj.edu.lb
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Since 2006, 776 people from 54 countries have participated in our congresses. If we analyse the evolution of annual attendance at our congresses, we observe that in the last year we have witnessed a significant recovery, slightly exceeding the figures of the pre-pandemic COVID19 period.





A Commission Mailing List

The commission mailing list (iguurban@unil.ch) continues to grow year after year. It currently has 1,104 subscribers (December 2022). It is not possible to obtain their location by country as far as many of them have international email addresses.

Since 2019, the Commission has a Early Career Researchers' Committee, which was set up with the aim of involving young researchers in our debates. It provides grants to help defray the costs of early career researchers' participation to the Conference. Through an extended abstract (5 pages) the Early Career committee evaluate them with 2 reviewers for each paper. The result is highly appreciated, improving the quality of researchers from Spain, Lebanon and France. In 2022 the Commission considered that the papers submitted were not of sufficient quality to be awarded a prize. **B. MEETINGS**

B1. Meetings in 2022

At the Centennial Congress, the former president (Celine Rozenblat) and the current one (María José Piñeira) were invited by the IGU Executive Committee and the Commission organising the event to give a lecture on the occasion of the award that the Commission won in 2019. The lecture was entitled "from the urban challenges in a global world to (re-)thinking cities and the urban from the global to the local" and its presentation is available on the Commission's website ([https:// www.igu-urban.org/](https://www.igu-urban.org/)).

In this Congress the C20.42 Urban Geography Commission organize 14 sessions. The commission collaborates with:

- Nacima Baron. University G. Eiffel, Member of french Commission "Villes et métropolisation" of the Comité National Français de Géographie; Vice president of CNFG in charge of international relations);
- Sonia Lehman-Frisch (Chairewoman - Univ. Paris Nanterre), Charlotte Recoquillon (Co-Chaire - Institut Français de Géopolitique), Pascale Nédélec (Educ. Nationale) and Matthieu Schorung (Univ. Gustave Eiffel)
- A total of 104 papers were presented, distributed by topics as follows:
- Cities As Drivers Of, And Driven By, Transformational Change 4
- Cities, Urban Systems And Nation States 4
- Climate Change, Resilience, Urban Health And Well-Being 8
- Dynamiques Urbaines Et Immobilier 20
- Engaging With Gentrification And Financialization: A Grassroots Perspective 8
- Governance, Institutions, Urban Policy 8
- In Times Of Uncertainty 3
- Interrogating The Future Of Event-Led Urban Regeneration 4
- The Contested Periphery: The Urban Space Between Governing The Poor And Social 5
- Struggles
- The Production Of Space Under Financial Capital And The 11
- Urban Areas Under Pressure Of Transformation 8
- Urban Models, Phase Transitions And Forecasting 3

- Urban Trauma And Emancipatory Urban Futures 536 10Urbanization In Global South: Past Experiences, Present Challenges And Future 13
- Prospects
- Géographie-cités, Centre National de la Recherche Scientifique University of Paris
- University of Paris 1 Panthéon-Sorbonne
- Special thematic:
- Urban restructuring, property development and changes in cityscapes Keynotes:
- Ozan Karaman. "Uneven globalization of real estate: a comparative approach"
- Laure Casanova Enault. "Multiple property ownership in times of 'wealth-middle class' accumulation"

Paris 2022 – Papers by Thematic sessions

Topic	N° communications
Urban areas under pressure of transformation	8
Cities, urban systems and nation states	4
Urban space and economic development	5
Special session on Land Value Capture	8
Property markets and the built environment	5
Urban and housing issues	4
Urban governance and alternative tenure modes	4
Climate change and environmental issues	2

IGU Urban Geography Commission Annual Conference

-organized with the National Autonomous University of Mexico (UNAM); Javier Delgado & Manuel Suárez.

Special thematic:

Urban transformations: towards resilient cities

Website: <https://igumexico2023.org/> Commissions involved



C20.15: Geography of Governance

C20.17: Geography of Tourism, Leisure, and Global Change C20.18: GeoHeritage

C20.30: Latin American and Caribbean Studies
C20.37: Population Geography

C20.42 Urban Geography The President and Vice-presidents of the committee are already in contact with the congress organizers to participate, as in previous years, in the organization of sessions. Our objective is to continue to collaborate with other IGU commissions in the formulation of the same with the aim of promoting the development of research networks and knowledge exchange.

Co-organizer with the

University College Cork: Therese Kenna In this Congress the C20.42 Urban Geography op

A. Archival contributions 9

A. Membership

IGU-requirements: The structure of your current steering committee, including all names and contact details. The number of Commission/Task Force corresponding members (i.e. your 'membership' - circulation - list, in total and, if at all possible, by country as of 1 December 2022). The counts of members by country are exceedingly helpful in documenting to the International Science Council (ISC) and other international organizations the IGU's extensive reach.

a. Structure of Steering Committee (SC)

The structure of the current SC is indicated in Table 1.

Table 1: Members of the Steering Committee of the Commission and their respective functions and contact details

SC-Function	Name	Country, sex	SC since	max. to	Affiliation	Portfolio
Chair	Prof. Dr. habil. Frank Winde	South Africa, male	2012	2024	North-West University, Vanderbijlpark Campus, Geography and Environmental Studies, PO Box 1174, Vanderbijlpark, 1900; Extraordinary Professor Wismut GmbH, 09117 Chemnitz, Jagdschänken-straße 29, Monitoring and Radiation Protection, Tel: +49 151 2571 3237, frank.winde@gmail.com	Management and admin, Membership/ recruitment, website/ public visibility
Vice Chair	Prof. Dr. Daniel Karthe	Germany, male	2016	2024	United Nations University, Institute for Integrated Management of Material Fluxes and of Resources, Dresden, Germany. Email: karthe@unu.edu	co-organize publications over the next 4 years
Vice Chair	Prof. Dr. Liliana Zaharia	Romania, female	2016	2024	University of Bucharest, Faculty of Geography 1 Nicolae Balcescu Biv., 010041, Bucharest, Romania, Tel: + 40-21-305 38 22, Fax: + 40-21-315 30 74, zaharia11@yahoo.com ; zaharia11@hotmail.com	Outreach activities, reporting, archiving, membership recruitment
Member	Prof. Dr. Danijel Orešić	Croatia, male	2020	2028	University of Zagreb, Department of Geography, Marulićev trg 19/II, 10 000 Zagreb, Hrvatska (Croatia), dorešic@geog.pmf.hr	Collaboration + outreach
Member	Dr. Lanhui Zhang	China, female	2016	2024	Lanzhou University, College of Earth Environmental Sciences, Guanyun Building D912, Tianshuinan Road 222, Lanzhou City, zip code: 730000, Gansu Province, China, Tel/Fax: 010 931 8912805 lh Zhang@lzu.edu.cn	Proposed: Publications + reporting
Member	Prof. Dr. Heejun Chang	USA, male	2020	2028	Portland State University, Geography, 1721 SW Broadway, PO Box 751, Tel: 503-725-3162, Fax: 503-725-3166; changh@pdx.edu	Book publication, collaborative research, outreach, mentoring
Member	Dr. Marcela Hebe Gonzalez	Argentina, female	2020	2028	University of Buenos Aires, Department of Atmospheric and Ocean Science – CIMA CONICET, Intendente Güiraldes 2160 2nd floor Building II Ciudad Universitaria C1428EGA CABA, ARGENTINA Tel: 54-11-62868472 int. 58472, marcelahebe@gmail.com , gonzalez@cima.fcen.uba.ar	Collaboration + proposed publications
Advisory member	Prof. Dr. Natalia Frolova	Russia, female	2020	2024	Lomonosov State University, Moscow, Department of Hydrology, Faculty of Geography, GSP-1, 119991, Leninskie Gory, MGU. Phone: +7 (495) 939-15-33 frlova_n@mail.ru	non-executive advisor
Advisory member	Prof. Dr. Chansheng He	USA, male	2012	2024	Western Michigan University, Wood Hall, Department of Geography, Western Michigan University, 3234 Wood Hall, Kalamazoo, MI 49008-5424, Phone: (269) 387-3425 Fax: (269) 387-3442 chansheng.he@wmich.edu	non-executive advisor
Honorary Member	Prof. emer. Tony Jones	UK, male	2002	open ended	Institute of Geography and Earth Sciences, University of Wales, Aberystwyth, tonyandjenjones@btinternet.com	non-executive advisor

For more details, e.g. regarding maximal allowable terms of office according to IGU statutes etc. please go to our website at Steering Committee – IGU Commission for Water Sustainability (igu-water.org).

b. Member statistics

Based on a decision taken in 2016 that was aimed to curb the uncontrolled grow of mostly inactive members through simply adding email address of one-time attendants to a circulation list, we only accept applicants as new members who submit filled-in member templates outlining their areas of interests/ expertise and research profile in the field of water. This information is displayed on our website to facilitate better collaboration within and

outside the Commission (Members – IGU Commission for Water Sustainability (igu-water.org)).

Currently, the Commission has a total of 63 registered members of which about a third (33%) is female. Some 85% of members are academics, 44% are professors while 15% are practitioners. Members originate from 26 countries on six continents of which 10 are in Europe, 7 in Austral-Asia, 5 in Africa and 4 in the Americas. Of these countries, 11 are falling in the high-income category representing 37% of members, 9 are middle-income countries representing the majority of members (48%) and 6 are low income nations accounting for 15% of members.

The membership per country is as follows: 1 Argentina

2 Armenia	1
3 Australia	1
4 Canada	1
5 China	6
6 Croatia	4
7 France	1
8 Germany	6
9 Ghana	1
10 Hungary	1
11 India	3
12 Italy	2
13 Japan	1
14 Nigeria	1
15 Norway	1
16 Portugal	2
17 Romania	6
18 Russia	6
19 South Africa	5
20 Spain	1
21 Swaziland/ Eswatini	1
22 Turkey	2
23 UK	3
24 USA	4
25 Zimbabwe	2

B. Meetings

IGU-requirements:

- a. *The meetings your commission organized in 2022 with information on their locations, dates, and numbers of participants.*
- b. *A brief summary of the topics addressed at each meeting and the findings or conclusions resulting from the discussions if appropriate (please do not simply paste in the conference programme!). Please highlight any new initiatives and insights identified at each meeting. Note, please do not include the full*

conference programme but please do include a photograph or two if you have them).

- c. *The meetings or other events you plan to hold in 2023 and later years, including locations, dates, and the topics/themes to be addressed.*

a. Meetings held

• **2022 Centennial Congress IGU, Paris, France (18-22 July 2022)**

This year's IGU Congress was dedicated to the anniversary of IGU, which was established in Paris in 1922. On that occasion, the Commission presented an overview on its own 30-year-history, as only group dedicated to water within IGU (soon to be available on the website).

Owing to remaining uncertainty regarding possible travel restriction related to Covid-19 there was a limited attendance of member. This even more so as travel restrictions for colleagues from China were still in place while colleagues from Russia were banned to attend the Congress due to the Ukraine crisis.

The submission process of sessions was very different from all previous congress as the organisers unilaterally decided to limit submission to one per person. I.e., in contrast to previous meetings where the chairs of the Commissions submitted a consolidated list of session agreed upon with their respective SCs, this was not allowed at this event. Instead, each proposed session needed to be submitted by a different person rendering the submission process cumbersome and confusing. As a result, we had people registering a session on our behalf that were not even members of the Commission. At the same time, this process resulted in a much- reduced number of submitted session themes initially comprising 3 themes that were later reduced to two as one proposal (*Nexus approach to water security*) did not receive the required number of related submissions. Finally, the following 5 x sessions were held with Frank Winde and Liliana Zaharia acting as respective session chairs:

- **Frank Winde: Water between need and**

fear: management approaches to water security and risks

2 x sessions of 1.5-2h each at Tue, 19.07.2022, Centre Pantheon Sorbonne, Rue Saint Jaques 111-113, Room 307

A total of 10 x papers were scheduled of which only 3 were presented. While no apologies were received indicating reasons for the absence it is assumed that the extreme heat and lack of air conditioning at the venue resulted in such high number of no-shows. On initiative of the chair, some of the freed-up time was used to add an unplanned paper of an attending PhD- student and lively discuss her findings together with other PhD-students in preparation of her next day presentation. Except for the chair, none of the presenters were members of the Commission.



- **Liliana Zaharia: Water sustainability in a changing world: hydrological, societal and ecological perspectives**

3 x sessions of 105' each at Fri, 22.07.2022, Geographical Institute, Rue Saint Jaques 191, Room 304

A total of 14 x papers were scheduled, 4 of which came from members of the Commission. However due to medical reason prof. Karthe could not attend, while all 3 colleagues from Romania did present.

Repeated request of prof. Zaharia to the conference organisers to reschedule the meeting away from the last day of the conference week were unfortunately not responded to resulting



Snap shots from the Congress (clockwise: presenters at the Water between need and fear session, IGU banners on the boat cruise of the gala dinner, Frank and Liliana at the conference venue)

c. Meetings planned

Prof. Zaharia is currently organising the **36 Conference of the International**

Association of Climatology (AIC) taking place from **3 to 7 July 2023** in **Bucharest, Romania**. The general theme is “Climate, water and society: changes and challenges”. The associated call for papers was distributed among members calling for active participation.

The Commission envisages to actively participate in the upcoming **35 IGC**

from 25-30 August 2024 in Dublin, Ireland with a number of session themes still to be submitted.

C. Networking

IGU-requirements: a. Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces during 2022. b. Collaboration, if any, with other international, intergovernmental, or inter- and multi-disciplinary bodies in 2022. c.

Cooperative efforts, if any, with the International Science Council (ISC) and the International Council for Philosophy and Human Sciences (CIPSH) programs, etc.

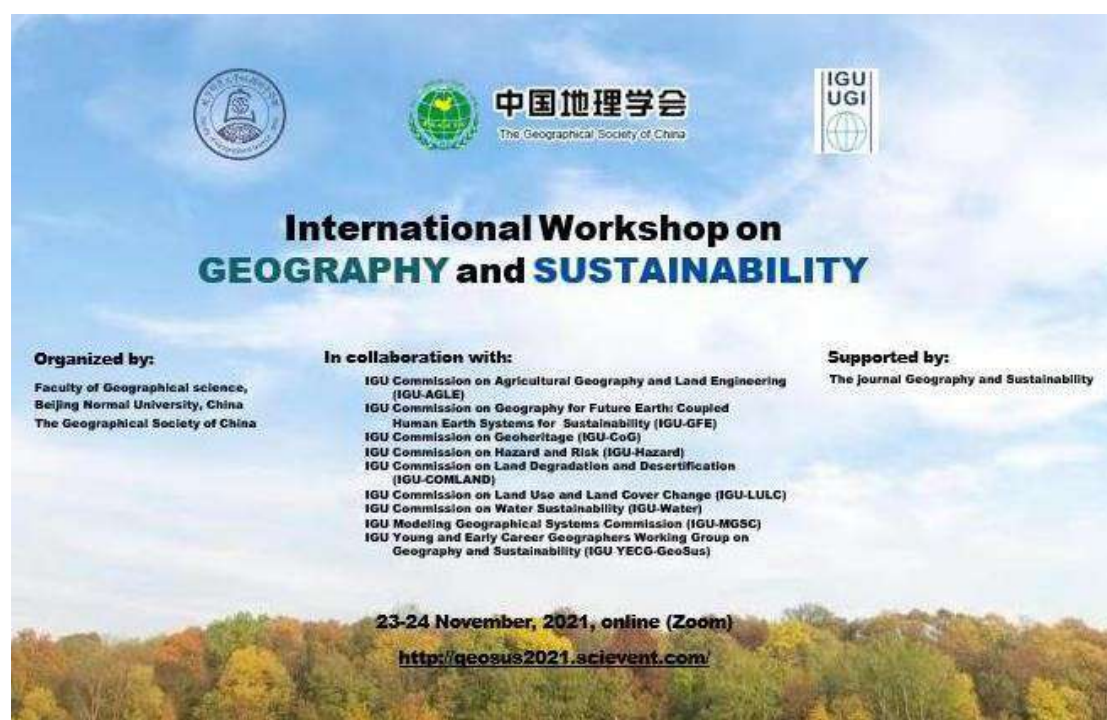
a. Collaboration with other IGU Commissions and Task Forces

(1) Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability: International workshop on sustainability and Geography, 23-24 Nov. 2021, online conference (zoom)

Following an invitation by prof. Wenwu Zhao, Chair Commission on Geography for Future Earth: Coupled Human-Earth Systems for Sustainability (Associate Editor-in-Chief of Geography and Sustainability,

Director of Institute of Land Surface System and Sustainable Development, Faculty of Geographical Science, Beijing Normal University, No. 19, XinJieKouWai St., HaiDian District, Beijing 100875, PR China, Tel :

+86-10-58802125, Email: zhaoww@bnu.edu.cn) our Commission was approached to chair the session on water, to which I agreed.



Title slide of the workshop

In his report on the conference prof. Zhao characterised the water session headed by Frank

Winde as follows: Panel Session F: **Water resources for sustainable development** was held at 18:30 Beijing Time on Nov.

23rd, led by prof. Frank Winde, chair of IGU Commission on Water Sustainability. Nine speakers from different countries introduced the latest research progress on water resources. The Panel Session F attracted more than 40 students and teachers from several universities and research institutes from China and abroad. Water resources are declining at an alarming rate across the world. Speakers noted that the use of water resources for agriculture and industry have contributed to the rapid decline in quantity and degradation of water quality. To predicted future properties, multi-source remote sensing images, multi-temporal Landsat images, 26 OBS data were analyzed during this session. Besides, the linear optimization model and CropWat model were applied to investigate water flows to other regions through regional wheat trade in the Huang- Huai-Hai Plain, based on the telecoupled framework. At the end, Prof. Frank Winde made a summary of the Panel Session. This Panel Session provided an opportunity for researchers and students to communicate and share their ideas and concerns about the topic.

(2) Joint IGU book project (Bansky & Meadows [eds.])

Over a year ago the Commission was approached to consider input into a planned 250-page IGU book project on the “*directions of research of contemporary Geography and its relations with other disciplines of science*” co-edited by proffs. Bansky (Poland) and Meadows (South Africa). The Commission immediately indicated its interest to contribute, which was acknowledged by prof. Bansky indicating that we will be kept posted on progress and required input. Somewhat surprisingly, just after the Paris Congress, we were informed that our Commission will be represented by a single paper from South Africa relating to the Covid-pandemic. As this paper could not possibly reflect the width and breadth of the Commission’s work I insisted that a more comprehensive input would be required to adequately reflect the spectrum of research at our Commission. After

some correspondence, this was eventually agreed upon. Subsequently, proffs. Jones and Winde compiled a preliminary introductory chapter, which still needs to be completed and submitted.

b. Collaboration with other international or inter- and multidisciplinary bodies

Various members of the Commission engaged in projects relating to research organisations at highest international level (examples F. Winde: IAEA: Environet Working Group 5: *Valorisation of NORM waste in a circular economy*; Coordinating Group on Uranium Legacy Sites in Africa, CGULS- Africa; MINDER – international EU-Erasmus Master course; WHO-IARC: *Hair as bio- indicator of environmental U-exposure*; UNESCO-IGCP: *Environmental and health effects of abandoned mines in Africa*.

c. Cooperative efforts with the International Science Council (ISC)

(1) UN-Water Conference 2023: ISC representation

Proffs. Meadows and Winde were approached to represent ISC at preparatory meetings for the upcoming UN- Water Conference in March 2023 in New York (USA). Despite the rather short notice, Prof. Winde was able to prepare an intervention on behalf of the ISC that he presented in the round table discussion on Capacity Building on 24 October in New York. ISC was also represented by Mr. Anthony (Bud) Rock (USA) who has extensive experience in the UN system and provided two interventions at the first day round table discussion on Governance and the second day General Assembly meeting. Prof. Winde compiled a feedback report to ISC that includes a brief analysis of the role ISC should play in the UN-Water initiative, a brief SWOT analysis of ISC as well as recommendations on how to proceed. Subsequently prof. Winde was nominated by the IGU President to represent IGU on a special advisory committee for Water within ISC. Prof. Winde also solicited input from Commission members who might be involved in related activities.

(2) ICOMOS: Water heritage at ISC

The Commission was approached by prof. emeritus Je-Hun Ryu (Korea National University of Cultural Heritage, Professor Emeritus, Korea National University of Education, Chair, IGU Commission on the Cultural Approach in Geography, Chair, AGA Working Group on Cultural Geography) to explore how to support water heritage activities of ICOMOS (International Council on Monuments and Sites) within ISC, coordinated by Ian Travers, President, ICOMOS ISC Water and Heritage (International Scientific Committee on Water and Heritage (icomos.org)). A follow-up meeting between proffs. Winde and Ryu was held at the gala dinner at the Paris Congress in July 2002. Since then no further activities occurred.

D. Publications

*IGU-requirements: a. Newsletters, special journal issues, and books published in 2021-22 (please provide complete citations). Note these publications should only be included if they are **directly** related to your IGU Commission activities (i.e. not a list simply pasted in from the cvs of steering committee members!) b. The current (accurate) URL of the commission's website.*

a. Newsletter and reports

For capacity reasons no newsletter could yet be compiled for 2022. Since all reporting duties are currently left exclusively to the chair, this situation may not improve in the near future.

b. Special issues, books

Prof. Opp invited contributions from members to a total of three Special Issues:

- Nov. 2021: Journal *Sustainability*: “The Evolution of the Water–Energy–Food Nexus towards Global Sustainability Challenges” (Sustainability | Special Issue : The Evolution of the Water–Energy– Food Nexus towards Global Sustainability Challenges (mdpi.com))

- Nov. 2021: Journal *Applied Science*: "Floodplains and Reservoirs as Sinks and Sources for Pollutants" (<http://www.mdpi.com/journal/applsci>).
- Aug. 2022: Journal *Applied Science*: 5 “50River and Lake Catchments: Ecological Challenges, Hydrological Changes, Environmental Problems”.

In addition, there are currently two joint book projects underway at the Commission initiated and /or coordinated by proffs. Karthe (Hydrogeography) and Beckedahl (Springer: Applied Geomorphology and contemporary issues).

c. Website

The address of the Commission's website still is: www.igu-water.org.

E. Archival contributions

IGU-requirements: Materials and publications transmitted to the IGU archives by your commission. Copies (soft copies if appropriate) of all newsletters, monographs, special journal issues, etc. should be sent to the IGU Secretary-General upon publication for transmission to the archivist. Photographs from your meetings, field excursions, or other events that you are willing to share are especially gratefully received and will be included in the IGU e-Newsletter. The Commission's reports will be published on the website and in the IGU. These reports will also provide the Executive Committee with information for the evaluation of Commissions in regard to their continuation.

A section on the Commission's revamped website is dedicated to archiving news, reports and other documents at Newsletters & Reports – IGU Commission for Water Sustainability (igu-water.org).

COMMISSION ON INFORMALITY, SOCIAL CHANGE AND DEVELOPMENT (ISCD) ANNUAL REPORT 2022

(Steering Committee of the ISCD Commission)

Introduction

Informality, Social Change and Development (ISCD) is a new IGU commission established in July 2021. A plain fact that stimulated the commission proposal is that today 1 billion people or 13% of global populations live in informal settlements and 2 billion people or 61% of global workforces make their livelihoods in informal economies. Informality, and its connections with issues of poverty, precarity, gender, migration, exclusion, inequality, decent work, governance and innovation, have become areas of research of multiple disciplines, including geography, sociology, economics, politics and urban studies. Moreover, international organizations, such as the UN-Habitat, International Labor Organization and the World Bank, have defined informality as a concern of policy for global sustainable development. The ISCD commission is established in time to advance the global understanding of economic, social, political and spatial dimensions of informality. It aims to bring together social, economic, political and urban geographers to promote intersectional research on the connection between informality, social transformation and development under global changes. The commission aims at advancing theories on inclusive development, shaping new visions on and approaches to just, equal and sustainable societies and cities. The commission is dedicated to the following objectives:

- a) Promote the advancement of theories on work, employment, housing, governance, planning and social sustainability through critical research of various informalities;
- b) Strengthen comparative research and transdisciplinary communication on forms, dynamics, processes and geographical

implications of informalization and social transformation in the global South and North.

- c) Advance the communication on successful practices of inclusive and sustainable social development and promote mobilities of good policies between countries.
- d) Inspire new visions on and approaches to inclusive, equal and sustainable societies and cities.
- e) Enhance the exchange between academic researchers (from multiple disciplines) and non-academic actors/ experts from international organizations for building sustainable societies and cities.

Since we received the letter of decision on constructing the commission in November 2021, we have done work on building the steering committee, organizing academic meetings and virtual lectures, making connection with other groupings and launching journal special issue. However, the COVID-19 pandemic imposed considerable constraints on the commission's work. We hope to promote the commission more substantially in the future with the end of the pandemic.

1. Membership

1A. Steering Committee

The steering committee of the ISCD commission consists of 9 members at the present. They are from different regions over the world, including Europe, Asia, Africa, North America and Latin America (Figure 1). The commission plans to increase three or four members from the regions of Southeast Asia, Middle-East, North Africa and South America to broaden regional coverage of the steering committee. 'and Planning Sun Yat-sen

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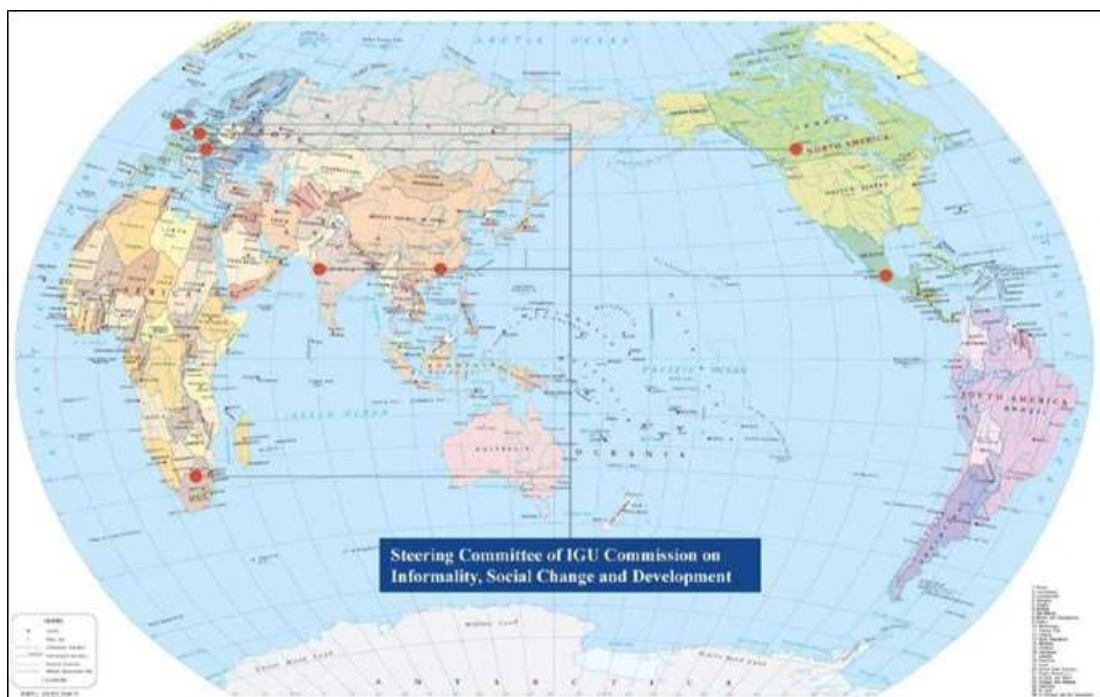


Figure 1 Regional representatives of the ISCD's steering committee in 2022

1B. Commission corresponding members

The list of corresponding members is being built.

2. Meetings

2A. Meetings organized, co-organized and
sponsored by the commission

2A1. Session in Paris 2022 International
Geographic Union Centennial Congress
Unfortunately, the COVID-19 lockdown policy in
China impacted the implementation of the
proposed session organized by the commission.
We tried to make an on-site commission meeting
in Paris as it was the first show of the commission.

But it was disabled by the international travel regulation of China where the chairperson of the commission comes from.

2A2. Session in the First Conference on World Geography

The ISCD Commission hosted a session on *Urbanization, Social Transformation and Sustainable Development* in the First Conference on World Geography, sponsored by TheGeographical Society of China in Shanghai, China, 27 November 2022. Due to the impactof COVID-19 pandemic, the session was proceeded

communities, informalization and socio-spatial production, rural revitalization and rural social reconstruction, social integration and spatial governance.

2B. A brief summary of the topics addressed at each meeting

In the session of Urbanization, Social Transformation and Sustainable Development,we received 43 papers and accepted 15 of them. These 15 papers were focused on the social transformation and development of world urbanization, engaged in theoretical and methodological discussions on human settlements, rural-urban migration, international migrants' community, urban renewal, residential segregation, social integration, as well as carbon emission reduction, circular economy and smart urban waste reduction. They proposed new perspectives and directions for social geography and sustainable development research. Speakers were from Peking University, Nanjing University, Sun Yat- sen University, Wuhan University, Fudan University, Southwest University, Nanjing NormalUniversity and other universities and research institutions. About 100 scholars and researchers from different universities and institutes attended the session.

2C. Lectures

The commission organized 14 lectures via virtual platforms as a response to the impact of the pandemic on academic activities. These lectures were given by international scholars invited by the

via online virtual platforms. The goal of the session was to advocate research and dialogues on new social changes, social phenomena and social issues from an international comparative perspective, adopting new theoretical perspectives and methods and innovating theories, concepts and methods on social geography. The session was set to include the following topics: globalization and intra-urban spatial structure, urban renewal and gentrification, digital technology and virtual social space, war, disaster and refugee camps, urbanization and migrants' settlements, ageing and communities of⁵⁴the elderly, global mobility and international migrant

commission. Topics included geographical discipline, migration, social care, aging society, regional development, planning, environment, shared economies, and smart cities (Table 1).

Table 1 Virtual online lectures organized by the commission in 2022

Numbe r	Topi c	Speake r
1	The future of geography: international perspective	Michael Meadows University of Cape Town, South Africa Nanjing University, China
2	Measuring and forecasting migration with traditional and novel data	Arkadiusz Wisniowski University of Manchester, UK
3	How to make smart cities smarter	Anthony G.O Yeh Hong Kong University, Hong Kong, China
4	Macau and the Greater Bay Area: Deeper integration and dual circulation economy	Jose Luis de Sales Marques Institute of European Studies of Macau, Macau, China
5	Understanding Macanese's transformation in the Macau context	Margarida Cheung Vieira Institute of European Studies of Macau, Macau, China
6	Health and social care for older people	Mei Champ University of the

		West of England, UK
7	How to publish journal papers in health geographies	Jamie Pearce University of Edinburgh, UK
8	Healthcare systems of the United Kingdom - benefits and disadvantages	Mei Champ University of the West of England, UK
9	Mobility-based Geographies of Health	Marco Helbich University of Utrecht, Netherlands
10	Shared and circular economy and its geographies in UK	Robert Huggins Cardiff University, UK
11	Solving environmental problems by urban planning	Richard Cowell Cardiff University, UK
12	Environmental policy and environmental geographies in UK	Andrew Flynn Cardiff University, UK
13	Comprehensive study of Lanstad region, Netherlands	Dick Ettema University of Utrecht, Netherlands
14	Jobs-Housing Balance and New Town Development	Anthony G.O Yeh Hong Kong University, Hong Kong, China

2D. Future events

2D1. Business meeting of the commission

The ISCD's steering committee plans to make a business meeting in February 2023. In the meeting, the committee will discuss the work plan of the commission in the future. 2D2. The commission's 2023 Annual Conference

The first annual conference of the commission will be held in November 2023 in Guangzhou, China. The chairperson of the commission is the organizer of the first conference. The theme will be "Geographies of Social Transformation and Sustainability under Global Change". The conference pays attention to the social transformation, its geographical processes, consequences and impacts and challenges to

sustainable development in the contexts of recent global dynamics such as the post-pandemic globalization, flexible capitalist accumulation, international trade conflicts, broader geopolitical instability, and climate change. The topics include but not limited to precarity, informal urbanism, platform workers, socio-spatial restructuring, urban regeneration, aging society, local and international migration, refugees, gentrification, socio-spatial divisions, social upgrading, sustainable social development, and so on. With the aim to promote interdisciplinary communication and collaboration, the conference welcomes participants from the disciplines of geography, sociology, economics, politics and urban studies.

2D3. Session in the 35th IGC 2024 The 35th International Geographical Congress will be held in August 2024, Dublin, Ireland. The theme of the congress is "Celebrating a World of Difference". The commission will submit a session proposal that echoes the theme during May to September 2023 when the call for sessions is open.

2D4. Virtual Academic Forum

The commission is planning to construct a virtual academic forum by inviting scholars and researchers to give speeches online, with the aim to promote the spread of scientific research and knowledge. Speeches will be announced in the commission's website.

3. Networking

3A. Links with other IGU Commissions and taskforces

The commission has built close relation with the commission on Agricultural Geography and Land Engineering. In next years, it will build connection with the commissions on Marginalization, Globalization, and Regional and Local Responses, Population Geography, Urban Commission: Rethinking cities and the urban: from the global to the local, and Gender and Geography: Care, Connection and Change.

3B. Collaboration with other International and Inter-disciplinary Groupings

The commission has built collaboration with the Asian Geographical Association, the Urban Geography Commission of the Geographical Society of China (GSC), the Cultural Geography Commission of GSC, the Guidance Committee for Teaching of Geographical Science in Higher Education, Ministry of Education, China, and the Informality Research Observatory at Cardiff University, UK. In the future, the commission will build networks with the UN-Habitat and the global research network of informal economy the Women in Informal Employment: Globalizing and Organizing (WIEGO).

3C. Cooperative efforts with ISSC (International Social Science Council) and with ICSU (the International Council for Science) programs

The commission has no direct connection with the ISSC and ICSU at the present.

4. Publications

4A. Newsletters, special journal issues, and books (please provide complete citations for all publications). 4A1. Special journal issues

The commission has launched a special issue in the International Journal of Environmental Research and Public Health. The leading guest editor is the member of the steering committee Gengzhi Huang. The topic of the special issue is “Urbanization in Transition and Coordinated Regional Development: Challenges under Global Change”. For detailed information about the issue, see the following web page: https://www.mdpi.com/journal/ijerph/special_issues/6KH9HW72S7

4A2. Journal papers and book chapters

- Yu Yi, Xue Desheng*. The paradox of care: Emotional labor in Chinese state-owned social welfare institutions. *Annals of the American Association of Geographers*, 2022,1-16 (online first).
- Tan Yiming, Xue Desheng*, Zhang Bo. Neighbor interactions and settlement intentions of African Migrants in urban China: A case study of Guangzhou. *Population Space and Place*, 2022, 28(6):

e2554. .

- Wang Bo, Lei Yaqin, Xue Desheng, Liu Jixiang, Wei Chunzhu. Elaborating spatiotemporal associations between the built environment and urban vibrancy: A Case of Guangzhou City, China. *Chinese Geographical Science*, 2022, 32(3): 480-492. (SCIE)
- Lin Liying, Xue Desheng, Yu Yi*. Reconfiguration of cultural resources for tourism in urban villages—A case study of Huangpu Ancient Village in Guangzhou. *Land*, 2022,11(4): 563.
- Li Xiaowen, Tan Yiming, Xue Desheng*. From world factory to global city-region: The dynamics of manufacturing in the Pearl River Delta and its spatial pattern in the 21st century. *Land*, 2022, 11(5): 625
- Huang Gengzhi, Xing Zuge, Wei Chunzhu, Xue Desheng* (2022). The driving effect of informal economies on urbanization in China. *Journal of Geographical Sciences*, 32(5): 785-805.
- Huang Gengzhi*, Zhang Xiaolin, Zhang Shenyuan, Wang Shuoyi. (2022). Where in China is the labour unrest rising? Visualising workers’ collective actions in mainland China. *Environment and Planning B: Urban Analytics and City Science*, 49(7), 2029-2031.
- Huang Gengzhi, Yang Yanshan, Lei Yubing, Yang Jiangmin (2022). Differences in subjective well-being between formal and informal workers in urban China. *International Journal of Environmental Research and Public Health* (in press)
- Chen Siyue, Huang Gengzhi*, Zhang Hongou, Ye Yuyao, Wu Qitao (2022). Does China’s direct investment in ASEAN have institutional preference from the perspective of investment motivation heterogeneity?. *Journal of the Asia Pacific Economy*, 1-25 (online first).
- MacKie P., Brown A. M. B., Mehmood A.,

- Ahmed S. (2022). Multi-dimensional conflict and the resilient urban informal economy in Karachi, Pakistan. *International Development Planning Review*, 44(2): 169-189.
- Smart A., Curran D. (2022). Prospects and Social Impact of Big Data Driven Urban Governance in China: Provincializing Smart City Research. In: Weiping Wu, Qin Gao(eds.). In *China Urbanizing: Impacts and Transitions*. Philadelphia: University of Pennsylvania Press, 205-227.
 - Alizadeh H., Bork-Hüffer T., Kohlbacher J., Mohammed-Amin R. K. & K. Niami (2022). The contribution of urban public space to the social interactions and empowerment of women. *Journal of Urban Affairs*, 1-24.
 - Bork-Hüffer T. (2022). Digital media, friendships and migrants' entangled and non-linear inclusion and exclusion. *Urban Studies*, 59(16), 3330–3346.
 - Mahlkecht B, Bork-Hüffer T. (2022) 'She felt incredibly ashamed': gendered (cyber-)bullying and the hypersexualized female body. *Gender, Place & Culture*, 1-23.
 - Kulcar V, Bork-Hüffer T., Schneider A. M. (2022). Getting Through the Crisis Together: Do Friendships Contribute to University Students' Resilience During the COVID-19 Pandemic?. *Frontiers in Psychology*, 13, 880646.
 - Darshini Mahadevia.(2022). Housing in Smart City—The Emperor has No Clothes In:Amitabh Kundu, Tomaz Ponce Dentinho, Habibullah Magsi, Kanika Basu, Sumana Bandyopadhyay (eds). *Accessible Housing for South Asia*. Berlin: Springer-Verlag, 203-223
 - Mahadevia D., Debolina Kundu, Remy Sietchiping and Michael Kinyanjui (2022). Developing National Urban Policies: Ways Forward to Green and Smart Cities. *Indian Journal of Labour Economics* 65, 571–573.
- 4A3. Books
- Xue D S, Zhu H, Wei C Z, Cai X M, et al. Reports of social and economic development in the countries and regions surrounding the South China Sea. Guangzhou: Sun Yat-sen University Press, 2022.
 - Xue D S, Liu Y, Dietrich S, Li Z F. Pedagogy of International Geography Excursions: Field Courses in Germany. Guangzhou: Sun Yat-sen University Press, 2021.
 - Xue D S, Huang X, Jan van Weesep. Pedagogy of International Geography Excursions: Field Courses in Netherlands and Belgium. Guangzhou: Sun Yat-sen University Press, 2021.
 - Xue D S, Liu C, Rita Schneider-Sliwa. Pedagogy of International Geography Excursions: Field Courses in Switzerland and Upper Rhine Valley. Guangzhou: Sun Yat-sen University Press, 2021.
- 4B. The current accurate URL of the commission's web siteThe commission's website is being constructed. **5 Archival Contributions**
- Publications were sent to IGU secretary general upon publication. **International Geography Olympiad (IGEO) Task Force report to International Geographical Union Executive Committee 2022**
- Current Committee (2020-2024)**
- co-chair **Mrs Susan Lomas OBE, DL,FRGS** (United Kingdom) sueguides@hotmail.co.uk
- co-chair **Dr Su-Min Shen** (Taiwan) smshen@ntnu.edu.tw
- steering committee member **Dr Alexey Naumov** (Russia) alnaumov61@gmail.com
- steering committee member **Mr Tomasz Sawicki** (Poland) tomasz.j.sawicki@googlemail.com
- steering committee member **Dr Dubravka Spevec**

(Croatia) dspevec@geog.pmf.hr

steering committee member **Ms Li Ling Tan**
(Singapore) adelene17@gmail.com

Co-opted member **Mr Tim Schuring**
(Netherlands) tim.schuring@hu.nl

past local organiser Professor Barbaros Gönençgil
(Istanbul 2021)

barbaros@istanbul.edu.tr

current local organiser **Mr. Alexis Alamel**
(France, 2022) alexis.alamel@univ-lille.fr

future local organiser **Dr Samsul Bachri**
(Indonesia, 2023) sambimbo28@gmail.com

future local organiser **Dr Susan Pike** (Ireland
2024) susan.pike@dcu.ie

At an extraordinary meeting of the International Board held on 20th January 2021 it was agreed that Steering Committee members of the Task Force and the co-chairs should remain in place until 2024, completing their two terms.

Objectives

The International Geography Olympiad (iGeo) is an annual competition for the best 16 to 19-year-old geography students from all over the world.

The aims of the Olympiad are to:

- stimulate active interest in geographical and environmental studies among young people;
- contribute positively to debate about the importance of geography as a senior secondary school subject by drawing attention to the quality of geographical knowledge, skills and interests among young people;
- facilitate social contacts between young people from different countries and in doing so, contribute to an understanding between nations.

Meetings

2nd February 2022 Extraordinary International Board meeting (online) 10th February 2022 Co-

Chair and Local Organising Committee (Paris)
12th July 2022 Task Force meeting (online)

International Board Meeting (online) 16th July

2022 Task Force Meeting (online) International Board Meeting (online)

22nd September 2022 Extraordinary International Board Meeting (online)

Major Activities

- After extensive discussion and consultation, the Task Force agreed with the Local Organising Committee to hold the 18th IGEO online. This decision was ratified by the International Board by email. We understand how disappointing this was for the Local Organising Committee and the Task Force would like to record its thanks for all the hardwork which went into holding the Olympiad online.
- We continue to see an increase in the number of countries participating in the competition. In 2010 there were 27 countries taking part; in 2015 this had increased to 40 and by 2019, at our last face-to-face Olympiad there were 43 participating countries. In 2022, 54 countries and 209 students took part in the online Olympiad. They were supported by 105 leaders.
- Following the expulsion of the Russian Geographical Society from IGU membership, the Task Force, after widespread consultation, excluded the team from Russia from attending IGEO22.
- Three members of the Task Force were invited to present a session at the IGU Congress in Paris. Sue Lomas was present and Professor Alexey Naumov and Dr. Sumin Shen presented remotely. We presented papers on the importance of fieldwork; the consistency and challenge of the tests and the opportunities for students to share cultural background and identity.
- The Local Organising Committee for 2023 (Indonesia) have kept the Task Force fully

Informed about their preparations for IGEO 2023. Venues have been approved and we are looking forward to holding a face-to-face competition again.

- In September, an Extraordinary International Board meeting agreed to set up two sub-groups (i) to review the Statutes (which were last addressed when the Olympiad was biennially) and (ii) to review the content and structure of the tests, to ensure that we are testing the most up-to-date geography that our students are studying.
- Thailand has been approved by the International Board as the venue for the 2025 IGEO.

Future Activities

- We will work closely with the Local Organising Committee of the IGEO 2023 in Indonesia to provide a robust and inclusive competition.
- We will seek to increase the number of countries and therefore students, who participate in the IGEO. We will do this through links with other IGU Commissions and committees.
- We will continue to seek host countries for the IGEO events that are held in the odd-numbered years when there is no IGU

We work closely with the Young and Early Careers Geographers Task Force who contribute to the judging of the poster competition.

We were grateful for the support of the Showbie online package which enabled students to complete their papers in their own countries, upload them to the site. Scripts were then marked by leaders from countries across the globe.

Conference or Congress.

- We will hold a transparent and equitable process to find new members of the Task Force who can continue to guide the IGEO in future years.
- We will continue to review and reflect on our test structures and content to ensure that they are fit for purpose in identifying the best geographers in the world through the working group.
- **Finances**

We are grateful for the continued financial support of the IGU. An administrative grant of \$1,500 US is paid to the Task Force, annually. The Task Force also receives a grant from the Local Organising Committee of the Congress or Conference in even numbered years. This currently stands at \$7,500 US.

Partnership and Networks

The Task Force works closely with the Local Organising Committee (LOC) of the host country from two years' before the relevant IGEO. The Chair of the LOC sits on the Task Force. The Chair of the LOC remains on the Task Force for the year following their IGEO to offer assistance and share good practice.

The Task Force is grateful for the support of Professor Barbaros Gonençgil, Secretary General of the IGU. He has always shown a keen interest in the student and their studies and was also the Chair of the Local Organising Committee for 2021.

**Sue Lomas OBE DL FRGS Dr. Sumin Shen
December 2022**

IGU-YECG TASK FORCE ANNUAL REPORT 2022

The IGU Task Force for Young and Early Career Geographers (IGU-YECG) was launched on the 22nd August 2016 at the 33rd International Geographical Congress in Beijing, China with a vision of empowering and nurturing future leaders in Geography. The primary aims of the Task Force are to promote career development for early career Geographers through mentoring, training and sharing; stimulate interdisciplinary, international and inter-generational research conversations between Geographers and acknowledge and elevate the achievements of early career geographers in the Global North and South.

Membership

Steering Committee Chair

Dr. Komali Yenneti

School of Architecture and Built Environment,
University of Wolverhampton, United
Kingdom Email: komalirani.y@gmail.com

Secretary and Treasurer

Dr. Gaurav Sikka

University P.G. Department of Geography, L.N.
Mithila University, Bihar (India) Email:
gauravsikkageo@gmail.com

Full Members

- **Dr. Gabriela Adina Morosanu**, Institute of Geography of the Romanian Academy/ University of Bucharest, Bucharest Romania.
- **Dr. Melgris José Becerra Ruíz**, Working Group on Geographical Issues (GTAG-Venezuela), Universidade Federal do Pará (UFPA), Brazil
- **Dr. Sinenhlanhla Memela**, Rhodes University, South Africa
- **Mr. Rui Zhu**, Department of Geography,

University of California, Santa
Barbara (UCSB), USA

Task Force Membership

The Task Force has a listserv at geoguyecg@listserv.wvu.edu and a Facebook page and group to update geographers about our activities and circulating relevant information. The total members of the Task Force on the listserv are 221 and the Facebook are about 1000 (as of 1st December 2022).

Meetings

a. Meetings organized with basic details

- I. First Asian Young Geographer Workshop (Online) 18-19 December 2021
- II. GeoNight Event for Young Geographers Date: 1st April 2022, Place: Online
- III. IGU Centennial Congress (Extraordinary) 2022 Date: 18-22 July 2022, Place: Paris, France
- IV. 2022 Biennial Conference of the Society of South African Geographers Date: 12-14 September 2022 Hosted By: University of Pretoria, South Africa
- V. IGU Thematic Conference on Sustainability, Future Earth and Humanities: Opportunities and Challenges

Date: 24-25 November 2022, Place:
Mahendragarh, Haryana, India

b. Brief Summary of the Meetings

The First Asian Young Geographers Workshop (Online)

Date: 18-19 December 2021, Place: Online

On December 18th–19th, 2021, the First Asian Young Geographers Workshop was held online. Initiated by the Young Geographers Working Group of the Asian Geographical Association (AGA-YGWG), the workshop was jointly organized by AGA-YGWG, Young and Early Career Geographers Task Force of the International Geographical Union (IGU-YECG) and Working Committee for Young Geographers of the Geographical Society of China (GSC-WGYG). The workshop, themed "Young Geographers" Response to Challenges in Asia", drew around 600 participants from 30 countries and regions globally, and 178 candidates were selected to deliver oral presentations in 14 sessions covering a variety of topics.



On the 18th December 2021, Prof. Min Chen, Chair of the AGA-YGWG, presided over the opening ceremony. Prof. Chul Sue Hwang (Vice President of the AGA, President of the Korean Geographical Society), Dr. Komali Yenneti (Chair of the IGU-YECG), and Dr. Zhuo Wu (Vice Secretary General of GSC- WGYG) presented welcome speeches on behalf of the three organizers respectively. During the two-day online event, the keynotes in this workshop were given by 7 distinguished geographers, including Prof. Yukio Himiyama (Past President of the IGU), Prof. Suresh Chand Rai (Vice President of the AGA and Secretary General of the National Association of Geographers, India), Prof. Safdar Ali Shirazi (President of the Pakistan Geographical Association), Prof. Anthony Yeh (Academician of the Chinese Academy of Sciences, Professor of the University of Hong Kong), Prof. Mei-po Kwan (Chinese University of Hong Kong), and Prof. Shuli Niu (Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of

Sciences). Dr. Gaurav Sikka (Secretary of the IGU-

YECG) chaired a keynote session on the 19th December 2021. The workshop was initiated to provide a new platform for young geographers in Asia and throughout the world to share, discuss, and collaborate on their most recent research to address current problems.

GeoNight Event for Young Geographers

Date: 1st April 2022, Place: Online

The international "Night of Geography", promoted by EUGEO and IGU, was held on April 1st 2022. The GeoNight is an initiative proposed for the first time by the CNFG (French National Geographical Committee) at a National scale in 2017. From 2018 onwards, the initiative has expanded internationally. IGU YECG – GEOSUS organised a min conference(virtual) on

„Geographical Perspectives on sustainable development” .



IGUYECG Session at Geonight 2022

IGU Centennial Congress (Extraordinary) 2022

Date: 18-22 July 2022, Place: Paris, France

IGU YECG actively participated in the IGU Centennial Congress 2022 held at Paris, France. A series of oral presentation sessions were organised. An IGUYECG „Best Paper“ Session was organised. Dr Komali Yenneti (Chair, IGUYECG Steering Committee) chaired the session. Due to limited number of participant attendance, no best paper award was given.



IGUYECG Session at IGU Paris 2022

An IGUYECG-GEOSUS SESSION ON SUSTAINABLE WATER MANAGEMENT SESSION was also also organised. 15 presentations were made by the young researchers working on water management and sustainability. Dr. Gabriela Adina Morosanu, (Member, IGU-YECG Steering Committee) coordinated the session.



IGUYECG-GEOSUS Session at IGU Paris 2022

2022 Biennial Conference of the Society of South African Geographers

Date: 12-14 September 2022 Hosted By: University of Pretoria, South Africa

The Society of South African Geographers (SSAG) organized the Best paper award in collaboration with IGU-YECG during the 2022 Biennial conference hosted by the University of Pretoria. SSAG Students and new professionals shared their projects, where the best paper winner received a certificate and monetary awards (R2050). The winner was Tinashe P. Kanosvamhira, the paper titled “ Neoliberal cultivators?: An examination of urban community gardens in Cape Town,South Africa”. The jury recommended that the best paper be submitted for publication in the South African Geographical Journal.

Dr. Sinenhlanhla Memela (Member, IGU-YECG Steering Committee) coordinated the event.

IGU Thematic Conference on Sustainability, Future Earth and Humanities: Opportunities and Challenges

Date: 24-25 November 2022, Place: Mahendragarh, Haryana, India

IGU Task Force for Young and Early Career Geographers (IGU-YECG) organized an oral session for

IGU-YECG Late Dr. Manju Singh Memorial Young Scientist Best Paper Award 2022 on 25th November 2022 during the IGU Thematic Conference on Sustainability, Future Earth and Humanities: Opportunities and Challenges hosted

by Central University of Haryana, Mahendragarh. The award is instituted in the memory of Late Dr. Manju Singh, daughter of Late Prof. RB Singh (Former Secretary-General and Treasurer, International Geographical Union). Dr. Manju Singh, a young and dynamic academic did her M.Sc. from USA and PhD in Nanotechnology from Italy. She left for her

heavenly abode after a prolong illness on 9th December 2014. Family of Late Prof. RB Singh provided financial support for this award.

Papers were invited on the theme and sub-themes of the conference. After the initial scrutiny by the Member of IGU-YECG Steering Committee and Local Organising Committee, ten oral presentations were made in this competition. The jury for the award competition comprised of:

- i. Professor Dr Barbaros Gönençgil, Secretary-General, IGU
- ii. Professor Nathalie Lemarchand, First Vice-

President, IGU

- iii. Prof. Brij Maharaj, Senior Professor and Chair, IGU National Committee of South Africa
- iv. Prof. Haseena Hashia (Jamia Millia Islamia, New Delhi)

The awardee was selected on the site by the jury and the award recipient was announced during the valedictory session of the conference. The award included a certificate of merit and monetary award of Rs 5100/-. The best paper prize was awarded to Mr Masoom Reza, Research Scholar at Department of Geography, DSB Campus, Kumaun University, Nainital, Uttarakhand, India for his paper presentation entitled “Glacier’s Response Over Gradual Increase of Supra- Debris in Valley Glacier, Central Himalaya”

Dr. Gaurav Sikka (Secretary and Treasurer, IGU-YECG) coordinated the event.



Recipient of IGU-YECG Best Paper Award 2022

c. Planned Meetings for 2023

I. Society of South African Geographers(SSAG) conference, 2023

Date: TBC Host: TBC

IGU-YECG is organizing Young Scholar Best Paper Prize.

II. Night of Geography festival Date: 1st April 2022 Place: TBC

III. IGUYECG-GEOSUS Scientific Workshops Date: July Place: Beijing, China

IV. Young Researchers Workshop

Host: Institute of Geography of the Romanian Academy, Romania Date: TBC Place: Bucharest, Romania

V. Asian Young Geographers Workshop, 2023 Date: December, Place: Online

B. Networking

Memorandum of Understanding (MoU) signed in 2017 between the US based International Association of Young Geographers and IGU-YECG, is active for providing a new domain for the website, maintaining the website, financially supporting the IGU-YECG and IAYG Best Paper Awards.

IGU-YECG Collaborated with EUGEO to organize „Night of Geography“ festival.

Young and Early Career Geographers Working Group on Geography and Sustainability (IGU YECG_GeoSus)

IGU-YECG collaborated with IGU Commission on Geography for Future Earth and established a Young and Early Career Geographers Working Group on Geography and Sustainability (IGU YECG_GeoSus) in 2021.

This working group is an extension of IGUYECG and aims at complementing the activities of IGUYECG in the areas of sustainability.

The mission of YECG-GeoSus is to promote research and education in sustainable development for young and early career geographers. While the working group complements the YECG Taskforce in the areas of sustainability, it aims at promoting, coordinating and supporting geographic research and education in an integrated and sustainable perspective.

The working group has the following structure:

- Governing Council (the main decision-making body of the YECG-GeoSus), consisting of members from GFE and YECG (Dr. Komali Yenneti, Prof. Wenwu Zhao)
- Advisory committee, constituted by senior

geographers and academic mentors who can help young and early career geographers, IGU YECG Committee Members, IGU-GFE Members, IGU senior professors; and other academics.

- Chairs - Dr. Moroşanu Gabriela Adina (Steering Committee Member, IGU-YECG, Institute of Geography of the Romanian Academy) & Dr. Xutong Wu (Faculty of Geographical Science, Beijing Normal University)
- Secretariat - Yiran Du - (Editorial office of Geography and Sustainability Journal)
- Full members, chosen via a call for applications in the period April – August 2021. They are young and early career geographers (Ph.D. students and post-Ph.D. within six after years obtaining the title of PhD) with diverse educational backgrounds, research areas, gender orientations, and geographical origins). Two types of members were selected: a) **Core members** (Mengyao Han, Alexis Alamel, Sandamali Wijeratne, Eugenio Straffelini); and b) Regular **Committee Members** (Jianxiao Liu, Youjia Liang, Sujayita Bhattacharjee, Oluwasegun Adetunde, Radmila Jovanović.

IGU YECG_GEOSUS working group was officially launched during the International Geographic Congress, held in Istanbul (virtually), between 16 and 20 August 2021. Since then, 3 online meetings were organized with the members of the working group, with the participation of the advisory committee and the secretary.

IGU-YECG and IGU Commission on Geography for Future Earth are bringing out special issue with *Geography and Sustainability* journal.

C. Publications

- a. A **special IGU-YECG issue** is published with *Geography, Environment and Sustainability*, the official journal of Russian Geographical Society. Guest editors for the issue are Gaurav Sikka, Komali Yenneti, R.B. Singh and V. Tikunov.

IGU-YECG Special Issue on Geospatiality

- and Sustainable Development Goals (SDGs), Vol. 14,
- No. 1, 2021 <https://ges.rgo.ru/jour/issue/view/52/showToc>
- b. Komali Yenneti is currently editing a special issue on The Policy, Politics, and Governance of Sustainable Energy in Sustainability. The other guest editors are Massimo Palme and Gloria Pignatta
 - c. Komali Yenneti is also editing another special issue on Meteorological Disasters and Meteorological Disaster Chains in Frontiers in Earth Science. The other guest editors of this volume are Fumin Ren, Bin Li, Jinlong Huang, Duanyang Liu, and Xinpeng Liu
 - d. The vision of the task force is empowering and nurturing future leaders in Geography, therefore, the list of the articles and volumes published by the IGU-YECG steering committee members in English are presented here (* - corresponding author):
 - Snell, C., Scott, M., Jenkins, K., Kennedy, K., Thomson, H., **Yenneti, K.**, Stockton, H., and Gough, I. Climate justice, social policy and the transition to net-zero in the UK, Jolly, A., Cefalo, R., and Pomati, M. (eds.) Social Policy Review 34: Analysis and Debates in Social Policy. (pp. 5-23), Ch.1, Policy Press (In Association with the Social Policy Association), UK.
 - Alizadeh Zenouzi, S., **Yenneti, K.***, Teimouri, R., Abbasiyan, F., and Palme, M. (2022) Analysis of changes in vegetation index during the rapid urban spatial development period (1990-2020) in Tehran Metropolis, Iran. *Atmosphere*. 13(12): 2010
 - Manapragada, N.V.S.K., Shukla, A.K., Pignatta, G., **Yenneti, K.**, Boorla, V., and Nayak, B.K. (2022) Development of the Indian Future Weather File Generator based on Representative Concentration Pathways. *Sustainability*, 14 (22):15191
 - Khademi, N., Zanganeh, A., Ziapour, A., Saeidi, S., Teimouri, R., **Yenneti, K.**, Moghadam, S., Almasi, A., and Golanbari, S.Z. (2022) Exploring the epidemiology of suicide attempts: Risk Modelling in Kermanshah, Iran. Health and Justice, *Frontiers in Public Health*, 10: 924907
 - Zanganeh, A., **Yenneti, K.***, Teimouri, R., Saeidi, S., Najafi, F., Shakiba, E., Moghadam, S., and Shadmani, F.K. (2022) The Spatiality of COVID-19 in Kermanshah Metropolis, Iran, *Urban Science*, 6, 30
 - Prasad, R, Mathur, V. and **Sikka, G*.** (2022) Problem of Single-Use Plastic in the Ecologically Sensitive and Carbon Neutral Island District of Majuli, Assam, *Journal of the Maharaja Sayajirao University of Baroda*, 56:1, 168-174
 - **Sikka, G*.** and Yong, O.L. C. (2022) Dam-induced displacement and resettlement and masculinities: the case of India and Malaysia, *Gender, Place and Culture*, 29: 10, 1353-1375, <https://www.tandfonline.com/doi/full/10.1080/0966369X.2021.1931047>
 - Co-authored: Sikka, G. (2022) Air pollution perception in ten countries during the COVID-19 pandemic. *AMBIO*, 51, 531–545
 - Irvine, P.M., **Memela, S.**, Dlongolo, Z. and Kepe, T (2021). Navigating Community and Place Through Colloquial Street Names in Fingo Village, Makhanda (Grahamstown). *Urban Forum* 32, 333–348 <https://doi.org/10.1007/s12132-021-09416-w>
 - Hoefnagels, N., Irvine, P.M. & **Memela, S.** (2022). Makhanda: Exploring the mise-en-scène of a city under threat. *Urban Forum* <https://doi.org/10.1007/s12132-022-09467-7>
 - **Moroşanu G.A.***, Ioana – Toroimac G. (2022). Evidence of hydromorphological alteration under present-day sand mining and management works. Case studies on Romanian rivers. 4th International Conference I.S. Rivers Proceedings – Integrative Sciences and Sustainable Development of Rivers, 4p/ 192 - https://www.graie.org/graie/graiedoc/doc_tel_ech/isrivers2022/C5/ C5_ISRivers22_1.pdf

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- c. The current (accurate) URL of the commission’s website. <http://igu.younggeographers.org/>

It serves also as on-line archive of the Task Force with all meetings, conference alerts, job opportunities available, as well as photo galleries related to the Task Force activities. The website represents the major tool for exchange of information among the members of the Task Force and other young scholars.

<https://www.facebook.com/IGUYECG/>

IGU-YECG has expanded its online presence through running a fully fledged, active and updated Facebook page. Regular updates on IGU meetings, IGU-YECG events, young scholar competitions, members’ updates and other relevant information is uploaded on the page. A Facebook group is also in process to share academic resources useful for early career academics like Teaching materials, geography promotional material and new research.

D. Archival Contributions

All the reports of meetings were sent to IGU secretariat. We use our Task Force website as a kind of archive. It offers all available meeting reports, photo gallery representing our meetings.

E. Productive Use of previous IGU grant like supporting young scholars, publications and seminars from Low Income Countries.

IGU-YECG gave a financial support of USD 50 to SSAG for the best paper award.

IGU-YECG gave a financial support of USD 147 to Dr. Komali Yenneti as a travel support for attending IGC Paris 2022.

This report is structured following the instructions of the IGU Executive Committee.

Dr. Komali Yenneti Dr. Gaurav Sikka

Chair, IGU-YECG Secretary and Treasurer, IGU-YECG Statutes 1

*IGU Commissions Excellence
Awards 2021 – 2022*

IGU AWARDS ANNOUNCED

The IGU Is pleased to announce the winners of its various awards. These will be presented at the Extraordinary International Geographical Congress in Paris, 18th to 22nd July 2022. Two new awards were inaugurated this year: the IGU Award for Distinguished Practice and the Early Career Award, along with its long-standing Lauréat d'Honneur, and Planet and Humanity Medal.

The winners in their various categories are as follows:

Distinguished Practice Award

Liu, Yansui (China-Beijing)
Ono, Yugo (Japan)
Pain, Rachel (UK)
Thom, Bruce (Australia)

Early Career Award

Kubo, Tomoko (Japan).
Lim, Kean Fan (UK)

Wang, Shuai (China-Beijing)
Yang, Yuanyuan (China-Beijing)
Yenneti, Komali (UK)

IGU Lauréat d'Honneur

Berg, Kath (Australia)
Lew, Alan (USA)
Murayama, Yuji (Japan)
Qin, Dahe (China-Beijing)

IGU Planet and Humanity Medal

Thunberg, Greta (Sweden)
(Note: Frank Dangermond, USA, won this award in 2021 and will be presented with his medal at the Paris Extraordinary Congress).

IGU Commission Excellence Award 2021:

The winner of the 2021 award, based on evidence in the annual report, is the Commission on Rural Sustainability, jointly chaired by Professors Serge Schmitz and Valerià Paül.

*2021 Annual Report of the
International Geographical Union*

2021 ANNUAL REPORT OF THE INTERNATIONAL GEOGRAPHICAL UNION

In this issue:

1. Highlights of IGU Executive Committee meetings of 2021
2. IGU Virtual General Assembly 2021
3. Report on the 34th International Geographical Congress (IGC)
4. Co-operation with other organizations
5. Forthcoming events
6. Communication and outreach
7. Financials

1. Highlights of the IGU Executive Committee meetings of 2021

The year 2021 was another extraordinary one for everyone on earth as the pandemic continued to wreak havoc. This had major implications for the International Geographical Union as, despite initial plans, the 34th International Geographical Congress was held online in Istanbul. In addition to the Congress and its associated online General Assembly, three IGU Executive Committee meetings were held during 2021 using the online meeting platform Zoom, while a fourth was convened in Rome in December 2021 with some EC members able to attend in person.

The First IGU Executive Committee The first meeting of the year was held on 8th April and

15th April 2021. The online meeting was chaired by President Michael Meadows. Barcus reported briefly on the IGU account, funds for which have now been transferred to Macalester College. The IGU Honors and Awards Committee has considered nominations for the 2020 IGU Lauréat d'Honneur and Planet and Humanity Medal and made recommendations to Executive Committee. Elena dell'Agnese agreed to chair a sub-committee to consider the 2020 Commission Excellence Award. Meadows reported that editing of the Bulletin Volume for 2017-2018 is complete and a pdf version posted on the website. Rozenblat presented a brief report on the new format of IGU e-Newsletter which for circulation to the broader IGU community using listservers at the University of Lausanne (<http://syma.unil.ch>). Fu tabled a brief report on the IGU Journals project noting that his team had scrutinized and double-checked all entries and Invalid journals were deleted and in total 80 new journals (UK 15, China 13, Canada 09, USA 08, Australia 05, Germany 04, Netherland 04, Poland 04, New Zealand 03, Japan 03, and Others 12) were added to the IGU journal database. Brief updates on the Elgar and Springer IGU book series were presented. Gönençgil presented a brief report on progress regarding the upcoming Congress and iGeo Olympiad whereas Lemarchand presented a brief report on arrangements and progress for Extraordinary IGC Paris 2022.



Screenshot of the First EC meeting of year 2021 on 8th April, 2021

The Second IGU Executive Committee of 2021 was held online on Monday, 28th June 2021. There was considerable discussion about the IGU EC Finance subcommittee could be appointed to review IGU accounts and report findings to IGU General Assembly scheduled in Istanbul in August 2021. The IGU Commissions Excellence Award sub-committee reported its unanimous nomination of the Commission on Geography of Governance for the IGU Commission Excellence Award for 2020. Gönençgil presented a draft framework for the forthcoming 34th International Geographical Congress and Lemarchand discussed ongoing preparations for the Paris Congress 2022. It was decided to request te Republic of Kazakhstan (one of the bids for the IGU Regional Congress 2026) to prepare a more detailed bid document.

The Third IGU Executive Committee was held online on Thursday, 19th August, 2021 during the Istanbul Congress. The meeting was

held online and chaired by IGU President Meadows, although some EC members (Gönençgil, Lois-Gonzelez, Lemarchand) were able to attend in person. EC members stood for a minute's silence in remembrance of the late Prof RB Singh, IGU Secretary General and Treasurer who passed away on 22nd July 2021. After soliciting the views of EC members regarding the filling of the vacant IGU Secretary General and Treasurer position, it was agreed that Gönençgil should take over the position in an interim capacity until the Extraordinary Geographical Congress in Paris in 2022 and that Kumar would retain his position as co-opted Assistant to the Secretaty-General. A proposal to establish a new IGU commission on 'Informality, Social Change and Development' was tabled and approved. Revised revised draft guidelines for IGU awards, viz. Lauréat d'Honneur, Planet and Humanity Medal, were approved, and the new awards, viz. Early Career Award in Geography and Award for Distinguished Geographical Practice were formally established.



Screenshots of the August 2021 EC Meeting

The Fourth IGU Executive Committee took place at 7th and 8th December, 2021 in Rome, Italy. The hybrid meeting was chaired by Interim Secretary-General Gönençgil. There was considerable discussion around procedures for the elections of Secretary General and four Vice President positions. Considering the pandemic situation, it was decided to conduct the elections via e-ballot. Barcus reported briefly on the status of the IGU funds held at Macalester College. Gönençgil and Kumar agreed to compile the list of national members in good standing ahead of the call for EC nominations. Gönençgil tabled the full membership application for the United Arab Emirates, UAE, proposed by the Emirates Geographical Society of UAE and agreed to administer an e-ballot with a closing date for voting of mid-January. The EC agreed to send season's greeting emails to their respective liaison Chairs. Gönençgil presented a detailed report on the Istanbul Congress, the 34th IGC, which was held in online format for the first time ever (detail report in the next section). The next IGU e-newsletter, is due at the end of January, 2022. The EC approved of new editors of the Springer series 'Advances in Geographical and Environmental Sciences'.

2. IGU Virtual General Assembly (16th and 17th August 2021, 10h00 to 12h15 GMT)

The General Assembly was hosted on the Zoom platform and chaired by IGU President Michael Meadows, who welcomed congress delegates, IGU National Committee representatives, as well as IGU Commission & Task representatives, observers, and guests to the assembly. The Assembly commenced with a minute's silence in remembrance of the late Professor RB Singh, former Vice-President and Secretary-General of the IGU. Representatives of 41 countries were present over the two sessions. Major items of business at the General Assembly included scrutiny of the IGU 2016-2020 financial report scrutiny by the Finance Committee and approval, following discussion, by the General Assembly in accord with IGU Statutes. As an interim arrangement to ensure continuity of financial operations, Vice-President Professor Holly Barcus has agreed to continue in the position of Assistant Treasurer.

In his report, the IGU President briefly highlighted major developments, which were dominated by the ongoing war against COVID-19, a health crisis that has precipitated a global economic crisis. Meadows noted that the IGU community of Geographers, directly or

indirectly, has clearly been very productive in studies that engage with a diverse array of aspects of COVID-19. The IGU Commission on Geography of Governance, winners of the 2020 IGU Commission Excellence Award, proposed the “IGU-CGOG COVID-19 Action Plan. Meadows also reflected on climate crisis and the quest to achieve the UN Sustainable Development Goals (SDGs) referring to the UN Conferences of the Parties on Biodiversity (COP 15) in Kunming China, and on Climate Change (COP26) in Glasgow. As part of our commitment to actioning the Strategy, in 2021 IGU formalised relationships with the United Nations Group of Experts on Geographical Names (UNGEGN), the Latin American Council of Social Sciences (CLASCO), and with the Standing Committee for Gender Equality in Science (SCGES). We continue to engage actively with the International Science Council (ISC) and the International Council for Philosophy and Human Sciences (CIPSH).

On behalf of the late Secretary-General, Assistant Secretary-General Pankaj Kumar presented highlights of the report that had already been prepared by Professor RB Singh before his death. He briefed the Assembly regarding the Executive Committee Meetings, IGU Honors and Awards Committee, Publications, Communications and Relations with other organisations and Conferences. The IGU President announced that the 2020 IGU Lauréat d'Honneur awardees, Professor Joos Droogleever-Fortuijn (The Netherlands) and Professor Yoshitaka Ishikawa (Japan) and 2021 IGU Lauréat d'Honneur awardees, Professor Helen Kerfoot (Canada) and Professor Eckart Ehlers (Germany), would be presented with their awards at the opening ceremony of the 34th International Geographical Congress (virtual) on 16th August 2021. The 2020 IGU Planet and Humanity Awardee, Jack Dangermond, would be accepting his award at the Extraordinary International Geographical Congress in Paris, July 2022.



Screenshots of the Virtual General Assembly

3. Report on the 34th International Geographical Congress (IGC)

The IGU General Assembly convened during the 32nd IGC held in Cologne in 2012, had unanimously decided to hold the 34th IGC in Istanbul, Turkey in 2020, but this was of course

postponed due to the COVID-19 lockdown and associated travel restrictions. The theme of the congress was Geography: Bridging the Continents. The 34th IGC was held in online format for the first time ever. The congress was hosted by Istanbul University, the establishment of which goes back to AD 1453. The Turkish Geographical Society, which organized the congress, carried out all its

preparations in cooperation with the Geography Department of Istanbul University. The congress, which was held with the idea of bringing together continents and people, producing information for a sustainable future, and having a say in the future of the world, was concluded with the closing ceremony held on 20th August 2021. Both the opening and closing ceremonies were also broadcast live on the Istanbul University Youtube channel.

The opening ceremony, which commenced at 12:00 GMT on 16th August 2021, was held in accordance with the general rituals. In addition to the speeches made by the Rector of Istanbul University Prof. Dr. Mahmut Ak and the Dean of the Faculty of Letters Prof. Dr. Hayati Develi as the host university at the opening, Prof Dr Barbaros Gönençgil as the chair of the LOC, Associate Professor Dr. Ahmet Ertek as the TGS president and Prof. Michael Meadows as the IGU President briefly addressed the congress. Professor Geoffrey Boulton, representing the International Science Council also delivered an address. In addition, a video prepared *in memoriam* of the late Prof. R.B Singh was shared with the participants.

In total, 628 presentations were received from registered participants, of which 555 were oral and 83 were poster presentations. Presenters from 77 countries participated, notably from Japan, China, India, Spain and Russia. Seven keynote speakers delivered addresses that covered the range of geographical topics. The Geographical Olympiad was organized immediately prior to the Congress, also in virtual mode for the first time, with 190 registrants from 46 different countries. In general, the programme proceeded smoothly, with the exception of occasional technical glitches. The organizers received a number of highly supportive messages from participants. The Spanish IGU community for preparing and sharing a book published to commemorate the IGC Istanbul. Several commissions have subsequently submitted formal reports on the Congress. The Istanbul local organising committee has prepared abstract volumes with

ISBN numbers and published these on the Congress website. Digital recordings of all presentations are also available on the website which will remain available. Some 75 young and early career geographers were awarded IGU travel grants in the form of free registration.

Despite the challenges of COVID-19, several positive emerged from the virtual format of the congress, such as lower registration fees, on-demand access provided for the sessions, zero travel and accommodation cost for participants, and the possibility of viewing session recordings after the congress.



IGC Istanbul received abstracts from different 77 countries across globe. The list of participating countries with 10 or more abstracts is as follows:

Sl.N o	Country Name	Abstracts Received
1	Japan	54
2	China	52
3	India	38
4	Spain	38
5	Russia	35
6	Poland	34
7	France	32
8	United Kingdom	20
9	Brazil	19
10	Germany	19
11	South Africa	18
12	Italy	16
13	Romania	15
14	Turkey	15
15	United States	14
16	Hungary	13
17	Indonesia	13
18	Korea, South	12

IGC Istanbul had seven eminent scientists and

academiciananas as keynote speakers. These speakers were Prof. Gordon McBean from Canada, Prof. Eduardo De Mulder, The Neatherland, Prof Lydia Coudroy Del Lille, Prof. Juha I. Uitto from Prof. Shangyi Zhou, China, Prof. Harsh Gupta, India, and Prof. Michael Meadows from South Africa.



Keynote speakers at IGC Istanbul

The International Geography Olympiad (iGEO) was also held online for the first time. 180 students from 46 countries participated in iGEO which was completed one day before IGC. Students who won a gold medal were allowed to attend the opening ceremony of the IGC online. Several IGU commissions and task force actively participated in the the Congress. IGU commissions held sessions in the Congress an in addition, thematic conferences and a symposium were held. IGU Spanish Committee published the papers presented in the 34th IGC as a book.“Spain: Bridge Between Two Continents: Spanish contribution to 34th IGC Istanbul 2020”. In addition to the program booklet for the congress, a book of abstracts with associated ISBN number has been obtained by TGS and published electronically.



Glimpses of the IGC Istanbul LOC Team

At the closing ceremony, Local Organising Committee co-chair Nathalie Lamarchand, hosting 100th Anniversary Congress Extraordinary Congress in Paris, July 2022 was formally handed the Congress flag.



Vice President Prof Nathalie Lemarchand receiving Congress Flag

(In presence of Professor Dr. Ahmet Ertek Head, LOC IGC Istanbul and Prof. Barbaros Gonengcil, Secretary, LOC, IGC Istanbul)

The 17th International Geography Olympiad (iGEO)

The 17th International Geography Olympiad (iGEO) was held online for the first time due to pandemic conditions. 180 students and 82 team leaders from 46 countries participated in the Olympiad, which was organized from Istanbul as the Local Organizing Committee. The Olympiad, which was held between 11-16 August 2021 on internet platforms, was completed with a multimedia test, a written response test and a field work task, as well as a poster competition and cultural activities. Team Ranking (By Score) first three were;

1. Russia
2. Singapore
3. Japan

Gold Medals Winners

1. Rustam Bigildin – Russia
2. Aarne Heikkilä - Finland
3. Goh Si Jing Sophie – Singapore
4. Koo Yu Tang - Singapore
5. Rustam Valeyev – Kazakhstan
6. Ryo Nakamori - Japan
7. Dzianis Rabchuk – Belarus
8. Onatans Miks Melgalvis - Latvia
9. Su, Tz-Chiang - China-Taipei (Taiwan)
10. Teodor Kostov - Bulgaria
11. Choi Yung Kin - China-Hong Kong
12. Bob Jeurgens - Netherlands
13. Lili Csada – Hungary
14. Lee, Shixuan - China-Taipei (Taiwan)
15. Szymon Kłapiński Poland
16. Otokawa Bunryu Japan
17. Edgaras Zaboras Lithuania
18. Wang Zicheng Singapore
19. Nikita Panfilov Russia



4. Co-operation with other organizations

ISC: Himiyama and Meadows participated in the online IGC Extraordinary General Assembly (1-5th February 2021) and the IGC General Assembly (11-15th October 2021). The IGU nominee for a position on the ISC Board, Professor Maria Paradiso, was successfully elected at the ISC General Assembly to 2024. Paradiso has pledged to work especially on sustainability and education initiatives within the ISC and is keen to establish better communication between ISC and IGU. Meadows took over from the later Professor Singh as IGU representative on the ISC GeoUnions Standing Committee on Disaster Risk Reduction and Assistant Secretary-General Kumar assumed a similar role in CODATA.

GeoUnions: Himiyama attended the UN-GGIM Geospatial Societies General Assembly meeting held August 2021 and noted that the next chair of this body will be from the IGU Himiyama, Gönençgil and Meadows remain IGU liaison with both the Geospatial Societies and GeoUnions.

Festival International de Géographie (FIG):

Lemarchand participated in a roundtable event co-hosted by CNFG, which this year is entitled "From secondary school to university: which European geography(s)?" Additionally, the Association of Secondary School History and Geography Teachers (APHG) and the National Federation of Geography Students (AFNEG) are participating in the event this year, with the aim of examining the place of Europe not only in geography teaching programmes but also in relation to research and will consider such questions as what collaborations do European geographers build? What encounters and common topics are there for European geography students? What is the situation for European geography (ies) post-Brexit? The next *Festival International de Géographie* (FIG) is planned for 30th September to 2nd October 2022 with the theme 'deserts' and focus country Portugal.

Night of Geography: Meadows acknowledged the excellent efforts of the organizing committee and noted that the largely virtual format had facilitated substantial participation across world in celebrating the Night of Geography/La Nuit de Géographie on April 9th 2021. The next issue of GeoNight will be celebrated on 1st April 2022; the IGU will promote the event as usual.

CIPSH: The CIPSH event of relevance to the IGU is the European Humanities Conference on 5th to 7th May 2021 was held as per schedule. CIPSH recently successfully organized the European Humanities Conference, in which Himiyama had participated and he noted that there is concern about the current state of humanities, particularly in Europe. CIPSH wishes to contribute more to SDGs and to sustainability more broadly. CIPSH is scheduled to hold its next General Assembly from 13th-14th December 2021 at Odense, Denmark, in hybrid mode. Former IGU Vice-President Droogleever-Fortuijn attended online on behalf of the IGU and her report will be

tabled at the next EC meeting.

UN-GGIM: Singh noted that the IGU report has been submitted and circulated to EC members. The Report of the 2nd UNGEGN Session was circulated and posted on the website

EUROGEO, EUGEO: The virtual conference was scheduled to take place from 22nd to 23rd April 2021. Meadows had to represent IGU at the opening ceremony and the event has also been posted on the website under 'Other Events'. The next EUGEO (Association of European Geographical Societies) conference will be held in Barcelona in 2023 and a EUGEO session is planned during the Centennial Congress in Paris.

EGAL/UGAL: Lois González reported that the next EGAL conference is being held in Córdoba, Argentina at the beginning of December 2022 in the form of a virtual congress. In collaboration with Marco Mitidiero and Joselí M^a. Silva from Brazil, and Fernanda López from Ecuador, both representing their respective IGU National Committees, a session on new perspectives of geographic thinking from the South is proposed. Lois González reported that he represented UGI in the virtual meeting of ANPEGE, the postgraduate geography organization in Brazil, with more than 4000 participants. The first meeting of the IGU Committee on Latin America and the Caribbean will be held in Colombia November 2022. Lois-González reported on the successful outcome of the 18th Encuentro de Geografías de América Latina conference (XVIII EGAL), held online from 30th November to 4th December 2021 with 2500 participants and some 800 papers presented. An IGU session was co-organized by colleagues from Ecuador and Brazil. The IGU relationship with Latin American countries continues to improve and Brazilian geographers are preparing a volume in the IGU Springer series to be released in time for the Centennial Congress. The next EGAL will be held in the Dominican Republic in 2023 and represents an excellent opportunity for the

IGU to further consolidate its footprint in the region.

RGS-IBG/RSGS: Meadows reported that the Royal Geographical Society with the Institute of British Geographers, in collaboration with the Open University in the UK has approached the IGU to support the development of a novel open access course entitled: 'Thinking geographically about global debates: learning from the 'Global South'. The IGU community may be able to contribute to and benefit from this project. Meadows reported that, following an approach by the Royal Scottish Geographical Society and the Royal Geographical Society, IGU co-hosted a virtual gathering of international geographical societies and associations to propose actions relating to the upcoming COP26 meeting in Glasgow, UK, in November 2021. The outcome of the event, which had been attended by representatives of more than 30 national geographical organizations, was the drafting of a joint statement on the climate and biodiversity emergencies. Supported by signatories representing the global community of geographers, the declaration would be released ahead of the Glasgow event.

Other organizations: IGU is co-supporting the International Year of Basic Sciences for Sustainable Development in 2022 (IYBSSD), an initiative of the International Union of Pure and Applied Physics (IUPAP) and has signed a Memorandum of Understanding (MoU). IYBSSD was proclaimed at the 76th session of the United Nations General Assembly on 2nd December 2021.

IGU has been approached with a view to establishing a more formal relationship with UNGEGN body to improve communication. Given that IGU already has a Commission on Toponymy, such an arrangement is appropriate. Meadows has indicated IGU willingness to have formal representation on UNGEGN and is awaiting a response.

5. Forthcoming events

11-18 July 2022: International Geography Olympiad 11-18 July 2022 (virtual) host by France LOC

18-22 July 2022: IGU-UGI The Centennial Congress, Paris Details on the website at: <https://www.ugiparis2022.org/>

29 - 31 August 2022: IGU Commission on Geography of Governance - Annual Conference

Local Governance in a Time of Global Emergencies, Mexico City (Mexico), Details on the website at: [Home \(google.com\)](https://www.google.com)

24-25 November 2022: IGU Thematic Conference, *Sustainability, Future Earth and Humanities: Opportunities and Challenges*, Central University of Haryana, Mahendragarh, Haryana, India

6. Communication and outreach

The main communication tools of the IGU are its website, maintained by Assistant Secretary General Pankaj Kumar and President Michael Meadows, its quarterly newsletter, compiled by Vice-President Céline Rozenblat. Three issues of the Newsletter were published in 2021 and can be downloaded from the website by

following the newsletter link from www.igu-online.org.

IGU Series on Contemporary Geographies:

The IGU's book series with Springer (edited by Himiyama and Subhash Anand) and Edward Elgar Publishers (edited by Hay and Meadows) are attracting strong submissions.

7. Financials

Towards the end of 2020 and at the beginning of 2022, the IGU opened a new account at Macalester College under the curatorship of the acting Treasurer, Professor Holly Barcus. The Cape Town account remains operational and a proportion of IGU business is still transacted on this account. The balance on this account has been substantially reduced as a total of US\$150,000.00 of IGU assets (US\$50,000 in 2020 and US\$100,000.00 in 2021) has been transferred to the new Macalester Account. The accounts are now presented separately, with a substantially reduced balance (shown as a 'loss') in the Cape Town account (largely due to the substantial transfer). Combining the closing balances in both accounts, it can be seen that IGU has a small operating surplus for 2021 of just over US\$1300.00.

IGU CAPE TOWN ACCOUNT		IGU MACALESTER ACCOUNT	
	USD		USD
Opening balance total	180428,91	Opening balance	50000,00
Revenue		Revenue	
Country dues	18390,30	Transfer from Cape Town	100000,00
Honoraria	2028,40	Country dues	121796,20
Interest	2477,27	Total revenue	221796,20
Total revenue	22895,97		
Expenditure		Expenditure	
Transfer to Macalester	100429,47	Memberships (ISC, CIPSH)	7970,17
Advance to Paris LOC	9786,46	Grants to Commissions	36000,00
Grants to Commissions	9250,46	EC Travel	1261,66
Travel grants Istanbul	9328,51	Total expenditure	45231,83
EC travel and related costs	13404,70	Closing balance	226564,37
Awards and prizes	409,47	Net profit	176564,37
Bulletin type-setting	567,95		
Honoraria (secretarial, technical)	2028,40		
Software	460,27		
Stationery	22,40		
Printing	148,55		
Phone calls	70,86		
Courier and postage	1401,49		
Website management & technical	3083,16		
Internet charges	486,00		
Bank charges	867,55		
Total expenditure	151745,70		
Closing balance total	51767,33		
Net profit/loss	175261,58		

*2022 Annual Report of the
International Geographical Union*

INTERNATIONAL GEOGRAPHICAL UNION UNION GÉOGRAPHIQUE INTERNATIONALE ANNUAL REPORT 2022

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Highlights of the IGU Executive Committee meetings of 2022

The year 2022, which marked the Centennial of the formal establishment of the IGU was characterized by a return to relative normality following the havoc caused by the COVID-19 pandemic and associated restrictions in the two preceding. This made possible three in- person meetings of the IGU Executive Committee.

The first IGU Executive Committee meeting of 2022 was held on 12th April, 2022. In addition to regular IGU business matters, the ongoing invasion of Ukraine by Russian forces received considerable attention. In solidarity with Ukraine geographers, the EC had previously issued a declaration suspending the IGU National Committee of the Russian Federation from membership and it was agreed that this would be put to the General Assembly at the General Assembly for debate, amendment as necessary, and formal adoption. IGU Past President Himiyama tabled the summary report of the IGU Awards Committee, whose recommendations were approved for presentation at the Paris Congress. Gönençgil noted that 37 of 43

Commissions and 2 of 3 Task Forces had submitted annual reports for 2021, on which basis the Commission Excellence Award sub-committee, chaired by Vice-President dell'Agnese, recommended the IGU Commission on Sustainability of Rural Systems as the winner for 2021. Gönençgil reported on the call for nominations for the positions of Secretary-General and four Vice-Presidents. Following discussion, it was agreed to invite the IGU National Committee for Turkey to host the IGU Regional Conference in 2026, in Istanbul. Gönençgil reported on arrangements for the e-ballot for vacancies on the IGU Executive Committee.

The second IGU Executive Committee meeting of 2022 was held on 17th July 2022 in Paris, on the eve of the Extraordinary International Geographical Congress. It was noted that the responsibilities of the IGU Secretary-General and Treasurer are substantial and there are considerable efficiencies to be gained through establishing a separate position on the EC of Treasurer. This requires a change to the Statutes for consideration by the forthcoming IGU General Assembly. Gönençgil on the outcome of the recent e-ballot election for the positions of Secretary General and four Vice Presidents. Barbaros Gönençgil (Turkey) was unanimously elected as Secretary-General for the period 2022-26, while Vice Presidents Ruben Lois-González (Spain) and Bojie Fu (China) were re-elected, and Professors Maria Paradiso (Italy) and Phil McManus (Australia) were newly elected for the same period. There followed a brief discussion to consider how to deal with the vacancy

arising from Gönençgil's election to the position of Secretary-General. It was agreed to appoint Yazidhi Bamutaze (Uganda) as IGU Vice President for two years (2022-2024), after which he will be eligible for re-election for one further four year term. The EC decided to maintain the services of Dr. Pankaj Kumar as Assistant Secretary General until the 2024 Dublin Congress. These decisions are to be reported to the General Assembly for formal approval.

The third IGU Executive Committee Meeting of 2022 was held on 17th and 18th October, 2022 in Santiago de Compostela, Spain. The list of EC member liaison responsibilities to National Committees, and to Commission and Task Forces for the period 2022-2024 was confirmed. It was agreed to consult the chairs of the Olympiad Task Force, and the Young and Early Career Geographers Task Force, both of which have been operating successfully for many years, with a view to accepting status as IGU Commissions. In light of challenges that many geographers face in participating in IGU events, the need to address the issues of responsiveness and inclusiveness received considerable attention. Kumar reported on progress relating to the IGU Thematic Conference scheduled for 24-25th November 2022 in Mahandregarh, India. Lemarchand presented a summary report of the Extraordinary International Geographical Congress, Paris, July (see report below). The decision was also taken to limit the number of face-to-face IGU Executive Committee meetings each year.

1. IGU Extraordinary General Assembly 2022

The IGU Extraordinary General Assembly was held in Amphitheatre 3, Panthéon Sorbonne, Paris, from 15h00 to 17h00 on both 19th and 20th July 2022, chaired by the IGU President Meadows. Representatives of 43 member countries were present, along with a number of other congress participants and observers. Based on annual reports submitted to the

secretariat, the assembly approved the Commissions and Task Forces for the period 2022- 2024. Following discussion and a formal vote by full national members (24 votes in favour, 2 abstentions), the decision was ratified to expel the membership of Russia from the International Geographical Union. The IGU President then presented this report for the period 2021-22. Despite the problems brought about by the pandemic, IGU activities had continued with a successful online Congress hosted in Istanbul and many other initiatives had progressed well. In revisiting the IGU Strategy, adopted by the Executive Committee in 2020, Meadows reaffirmed the IGU commitment to advancing the discipline based on the most up-to-date methods and concepts and promoting the voice of geography in major global debates. In regard to the latter, active and vocal IGU membership of the International Science Council and International Council for Philosophy and Human Sciences remains of vital importance. Interim Secretary-General Gönençgil presented a report highlighting the work of the Executive Committee since the Istanbul virtual General Assembly and the meetings that had taken place. A hybrid meeting attended in person by some EC members was held in Rome, Italy, on 7th and 8th December 2021 (subsequent meetings are reported on above).

The President invited Interim Treasurer Holly Barcus to report on the situation regarding IGU finances to GA. He noted that, since the Finance Committee had fully scrutinized the IGU accounts at the 2021 General Assembly, it was not necessary in this case to present a comprehensive report. The Interim Treasurer noted that the main IGU operating account has been transferred from Cape Town to Macalester College, who have kindly agreed to curate the IGU account under her responsibility. Macalester provides full oversight free of cost, including everyday operations and auditing, which situation is very helpful. Overall, IGU operational finances remain sound (see summary below in section

7). The IGU Promotion and Solidarity Fund balance is retained in Japan, currently under

the auspices of Past President Himiyama.



Welcome note by Chair IGU President Michael Meadows



IGU acting Treasurer reporting general account



GA Second day session Chaired by FVP Iain Hey



General Assembly in action

Photos: IGU General Assembly (GA) on 19th and 20th July 2022 at the Sorbonne University, Paris

The outcome of the recent e-ballot election for the positions of Secretary General and four Vice Presidents was announced to the General Assembly. Barbaros Gönençgil (Turkey) was unanimously elected as Secretary General for the period 2022-26, while Vice Presidents Ruben Lois-González (Spain) and Bojie Fu (China) were re-elected, and Professors Maria Paradiso (Italy) and Phil McManus

(Australia) were newly elected for the same period. There followed a brief discussion to consider how to deal with the vacancy arising from Gönençgil's election to the position of Secretary General. It was agreed to appoint Yazidhi Bamutaze (Uganda) as IGU Vice President for two years (2022-2024), after which he will be eligible for re-election for one further four year term. The General Assembly agreed to the suggestion of maintaining the services of Dr. Pankaj Kumar as Assistant Secretary General until the 2024 Dublin Congress.



Photos: Elected EC members for period 2022-2026 (right inset: Yazidhi Bamutaze, Uganda, elected to the IGU EC for the period 2022-24

The President briefed the General Assembly regarding the advantage of separating the current EC position of Secretary-General and Treasurer into two separate positions. Essentially these are two very different, and extremely time-consuming tasks. Moreover, in the past it has proved impossible for the elected Secretary-General and Treasurer to

take responsibility for the treasury due to banking requirements in their country of residence (this had been the case when the late Professor RB Singh was elected). Separation of the role into two positions offers greater flexibility. The proposal specifies the arrangements by which the Treasurer is appointed from among the elected members of the EC. Interim Secretary-General Gönençgil noted that this change requires an amendment of the IGU Statutes/Statuts and highlighted the nature of the technical revisions needed. The proposal was put to the vote and was unanimously approved by the General Assembly. Revised Statutes/Statuts are provided as Annexure IV. The President

further noted the EC's recommendation that Vice-President Holly be appointed as IGU Treasurer for the period 2022-24 and this was approved by acclamation.

President Meadows tabled the summary report of the IGU Awards Committee for IGU Honors and Awards 2022 in the General Assembly. Awards are being made in four categories, including two new awards, and are to be conferred at the closing ceremony of the Extraordinary Centennial Congress on 22nd July 2022. Congratulations were extended to all awardees.

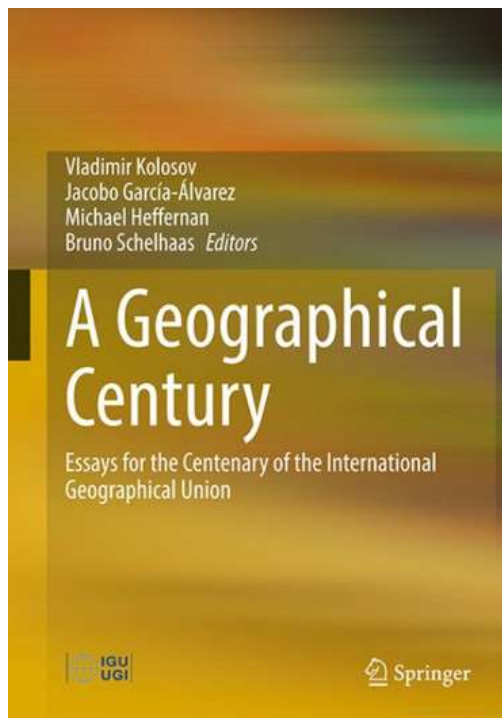
The awardees in their various categories are as follows:

Distinguished Practice Award	Early Career Award	Lauréat d'Honneur	Planet and Humanity Medal
Liu, Yansui (China-Beijing)	Kubo, Tomoko (Japan)	Berg, Kath (Australia)	Thunberg, Greta (Sweden)
Ono, Yugo (Japan)	Lim, Kean Fan (UK)	Lew, Alan (USA)	
Pain, Rachel (UK)	Wang, Shuai (China-Beijing)	Murayama, Yuji (Japan)	
Thom, Bruce (Australia)	Yang, Yuanyuan (China-Beijing)	Qin, Dahe (China-Beijing)	
	Yenneti, Komali (UK)		

Report on the Extraordinary International Geographical Congress, Paris

This landmark event, held to celebrate 100 years since the formal establishment of the International Geographical Union was held from 18th to 22nd July 2022, in Paris. Organized by the French National Committee of Geography (CNFG), this historic congress took place in the most emblematic places of French geography, i.e. the Sorbonne, Institut de Géographie, and Société de Géographie. The opening ceremony was held at the Maison de l'Océan, an institution founded in 1906 by Albert I, Prince of Monaco, a pioneer in oceanography. More than 2,300 scientists, including nearly 2,100 face-to-face participants from nearly 80 countries, exchanged views in more than 263 sessions organized over 5 ½ days in 30 rooms and 600 time slots and

engaged with the most important contemporary themes that included, by way of example, Anthropocene, climate change, environment, biodiversity, borders, cyberspace and digitization, urbanization, territorial governance, migrations and mobilities, wars, pandemics, gender and diversity.



Three round tables ("Anthropocene", "A Planet of Migrants" and "Open Science") and three plenary conferences ("Space and Disability"; "Meta Geographies: Major Divisions to tell the World", and "Himalayan Mountains in Transition") were organized, bringing together geographers from all parts of the world. Three IGU Commission

Excellence Award winners (Geography of Tourism; Urban Geography; Geography of Governance) presented their valedictory lectures. A special session was held in order to present the recently published Springer

Volume: *A Geographical Century: Essays for the Centenary of the International Geographical Union* edited by former IGU President Vladimir Kolosov, with Jacobo García-Álvarez, Michael Heffernan and Bruno Schelhaas. Numerous festive and scientific events punctuated the week of meetings, including a 'Top Carto' competition, a documentary festival, a *Nuit Blanche*, inspired by the *Nuit de la Géographie*. This centenary congress offered an opportunity to underline the significance of the IGU as an international scientific organization for geographers from all over the world, in all their diversity.

A number of Commissions and Task Forces held Steering Committee meetings during the congress and there was an open session with members of the IGU Executive Committee where chairs or their representatives, were able to raise comments and questions regarding their IGU-related activities and initiatives. The participation of a very large number of geographer colleagues from all regions of the world is testimony to this, as are the meetings of the regional geography associations and the international thematic working groups held during the congress. The Congress concluded with a magnificent gala dinner, held on a launch on the Seine which represented a truly memorable occasion to celebrate the IGU centennial.



Photo: IGU Vice-President Nathalie Lemarchand, with Jerome Verny and Antoine le Blanc at the opening ceremony in the Maison d'Océan, Paris



Photo: IGU President Michael Meadows (centre) with members of the Paris 2022 Local Organizing Committee (from the left: Jerome Verny, Antoine le Blanc, Amaël Cattaruzza, Nathalie Lemarchand).

Co-operation with other organizations

IGU actively participates in both the International Science Council and the International Council for Philosophy and Human Sciences. We enjoy a particularly strong relationship with the *GeoUnions* and are prominent within the ISC Standing Committee on Disaster Risk Reduction. IGU also plays an important role in the United Nations Group of Experts on Global Geospatial Information Management (UN-GGIM) Geospatial Societies, in the ISC Standing Committee for Gender Equality in Science, and in the UN International Year of Basic Sciences for Sustainable Development (IYBSSD). Kumar represented the IGU at the Second United Nations World Geospatial Information Congress (UNWGIC 2022) in Hyderabad, India, from 10-14 October 2022. The Executive Committee consistently nominates individuals and organizations for various ISC positions, including the Governing Board and for several of the ISC awards. IGU Vice-President Maria Paradiso is currently a Governing Board Member and Meadows was recently elected as Fellow of the ISC. In partnership with the Royal Geographical Society, and the Scottish Royal Geographical Society, a second 'gathering', along the lines of the 2021 event that was held ahead of

COP26 (Climate) took place on 30th March 2022 to discuss possible roles for geographers and actions in advance of 15th Conference of the Parties (COP15) on Biodiversity. In association with the Royal Geographical Society, the Royal Canadian Geographical Society, *Canadian Geographic*, and *National Geographic*, and in recognition of the commencement of the UN Decade of Indigenous Languages, the IGU EC supported and signed the *Geographical Societies Joint Declaration for the Decade of Indigenous Languages*. IGU is consistently represented at the annual *Festival International de Géographie* (FIG) and helps to promote *GeoNight* which was celebrated on 1st April 2022.

Communication and Outreach

Vice-President Céline Rozenblat redesigned the IGU e-Newsletter ~~has been~~ to make it more widely accessible and consistent with the changing expectations of readers. The new *IGU e- newsletter* is published **four** times a year (<https://igu-online.org/igu-e-newsletters/>). It complements the IGU's new listservers that have simplified email correspondence with IGU members (igu_members@unil.ch) and Commissions (igu_commissions@unil.ch). In addition, a general list is now open to everybody who would like to be directly informed: (igu_news@unil.ch). To subscribe to this diffusion list, visit:

https://sympa.unil.ch/sympa/subscribe/igu_news

IGU continues to maintain an active website (<https://igu-online.org/>) along with presence on Facebook, Twitter and LinkedIn.

2. Forthcoming Events

2.1 IGU Congress:-

- 35th International Geographical Congress (IGC), 24-30 August, 2024, Dublin, Ireland <http://igc2024dublin.org/>

2.2 IGU Thematic Conferences:-

- IGU Thematic Conference on "Islands in Relations: Conflicts, Sustainability, and Peace" April 4-6, 2023, Osaka, Japan <https://polgeog.jp/igu-tc2023/>

- IGU Thematic Conference on “*The Ocean and Seas in Geographical Thought*” June 6-7 2023, University of Milano-Bicocca, Italy <https://igu-chg-2023.unimib.it/>
- IGU Thematic Conference on “*Urban transformations: Towards resilient cities*” August 20-23 2023, UNAM Mexico City, Mexico <https://igumexico2023.org/>

2.3 Other IGU Conferences: -

- VI International Congress on “*Risks and Territorial Conflicts*”, 23 to 26 May 2023, Coimbra, Portugal <https://vicir.riscos.pt/en/>
- The 28th IUGG General Assembly (IUGG2023), 11-20 July 2023, the City Cube in Berlin, Germany <https://www.iugg2023berlin.org/>
- International Conference “Paradigm Shifts in Local and Urban Governance” 4- 6 September 2023, Budapest, Hungary <https://sites.google.com/view/geogov2023/home?pli=1>
- ISC Distinguished Lecture Series: “Firepower, Geopolitics and the Future: Rethinking Environmental Security, 21 February | 15:00 – 16:00 CET | 14:00 – 15:00 UTC <https://council.science/events/rethinking-environmental-security/>

Financials

IGU ACCOUNTS

OPENING BALANCE

EXPENSES

Commission & TF Stipends

Dues to Other Orgs

EC Travel

Bank & Wire Fees

Postage / Web other admin

Publications (Century of Geog)

Travel Grants (Paris)

REVENUE

CLOSING BALANCE

Net Profit / Loss

*Mean exchange rate applied

Differences due to exchange rate fluctuation

At the Paris General Assembly (July 2022) Holly Barcus, USA was officially designated Treasurer of the IGU, following a 1.5 year period as Assistant Treasurer. The majority of IGU financials are now held at Macalester College, USA with a small balance maintained by President Michael Meadows in the Cape Town account. The South Africa account remains operational and a proportion of IGU business is still transacted in this account. The balance on this account has been substantially reduced as revenue is now directed to the Macalester IGU accounts. The accounts are presented separately, with an operating balance for 2022 indicating expenditure over income of just over US\$22,000.00. This contrasts with previous years when

IGU accumulated modest surplus funds. The situation in 2022 is a result of additional expenditure due to substantial costs associated with ensuring the success of the Centennial Congress in Paris, and loss of revenue due resulting from COVID- related economic difficulties for several dues-paying members, as well as the expulsion of the Russian National Committee for IGU. Despite higher expenditures for 2022, the lower operating costs for 2020 and 2021, associated with low, or zero, travel in late 2020 and 2021, the IGU retains a healthy positive balance and is considered financially sound.

IGU Financial summary for 2022

Macalester	South Africa
\$226,564.37	\$46,750.86
USD	USD*
\$58,709.40	\$1,557.06
\$8,342.47	\$0.00
\$35,334.87	\$13,768.15
\$1,300.69	\$305.31
\$1.40	\$7,058.68
\$0.00	\$3,907.92
\$0.00	\$18,928.99
\$124,042.53	\$3,000.00
\$246,677.67	\$4,236.12
\$20,113.30	-\$42,514.74
-\$240.40	\$11.36

IGU Statutes

DENOMINATION, OBJECTIVES AND DOMICILE OF THE UNION

I. Denomination, Objectifs et Siege de l'Union

- A. L'Union Géographique Internationale, communément appelée l'UGI, est une organisation scientifique internationale, non-gouvernementale et sans but lucratif.
- B. L'Union Géographique Internationale a pour but:
 1. de favoriser l'étude des problèmes qui concernent la géographie;
 2. de susciter et de coordonner les recherches géographiques exigeant une coopération internationale et de favoriser leur discussion scientifique et leur publication;
 3. d'assurer la participation des géographes aux activités des organisations de recherche scientifique internationales qui les concernent;
 4. de favoriser la collecte et la diffusion des données géographiques et de la documentation géographique dans et entre tous les pays membres;
 5. d'assurer les réunions des Congrès internationaux de géographie, des Conférences régionales entre les Congrès internationaux de géographie et les autres réunions destinées à servir les buts de l'Union;
 6. de participer à toute autre forme de coopération internationale dans le but de faire progresser la recherche en géographie et son application;
 7. de promouvoir, au plan international, la compatibilité des méthodes et la standardisation de la nomenclature et des symboles utilisés en géographie.

C. L'Union Géographique Internationale adhère au Conseil International pour la Science (CIUS) et le reconnaît comme un organisme de coordination et de représentation pour l'organisation internationale des sciences.

D. L'Union Géographique Internationale adhère au Conseil International des Sciences Sociales (CISS) et le reconnaît comme un organisme de coordination et de représentation pour l'organisation internationale des sciences sociales.

E. Le siège de l'Union est le lieu où réside le Secrétaire général.

II. L'Appartenance à l'Union

A. Les membres de l'Union sont des Etats appelés ici pays. A cette fin, on considère comme pays un territoire où la vie scientifique est organisée de façon autonome. L'admission d'un pays comme membre de l'Union constitue une reconnaissance non pas de son statut politique, mais seulement de son niveau scientifique. Dans le doute, l'avis du CIUS est sollicité. Tous les pays membres jouissent des mêmes droits et sont astreints aux mêmes obligations, à l'exception des cas prévus plus loin.

B. Dans chaque pays l'adhésion à l'Union peut être sollicitée par un Comité de l'UGI, une Académie, un Conseil de la recherche ou toute institution similaire, ou par des sociétés scientifiques, ou un groupement de telles institutions ou sociétés, ou encore, dans certains cas spéciaux, par le Gouvernement représenté par un Ministère intéressé. Toute demande d'adhésion est adressée au Secrétaire général, examinée

par le Comité exécutif et soumise à la décision de l'Assemblée générale.

C. Un Comité de l'UGI, pleinement représentatif des géographes, est constitué dans chaque pays adhérent à l'Union. Il est créé sur l'initiative ou avec l'appui des institutions mentionnées ci-dessus en B.

D. Les Comités de l'UGI encouragent, dans leurs pays respectifs, les buts de l'Union, en accordant une importance particulière à leurs aspects internationaux. Ils doivent diffuser les informations venant du Comité exécutif aux géographes de leurs pays et présenter tous les quatre ans un rapport au Comité Exécutif concernant leurs activités et l'état de la géographie dans leurs pays. Les Comités de l'UGI désignent des délégués chargés de les représenter aux Assemblées de l'Union. Chaque Comité de l'UGI, soit seul, soit de concert avec un ou plusieurs autres Comités de l'UGI, a le droit de soumettre à l'Union, pour discussion, des questions en rapport avec les buts de l'Union tels qu'ils sont définis Section I.B.

E. Outre les membres titulaires de l'Union, il existe une catégorie de membres associés. Si, dans un pays, le développement des études géographiques ne permet pas de constituer un Comité de l'UGI dans les conditions prévues en C, un groupement de trois personnes ou plus peut prendre l'initiative de se constituer en Comité et demander la qualité de membre associé. Le Comité exécutif de l'Union peut soumettre à l'Assemblée générale des recommandations pour l'acceptation ou la prolongation de la qualité de membre associé ou pour l'admission de membres associés dans la catégorie des membres titulaires.

F. L'Union comporte aussi des membres correspondants soit individuels ou institutionnels. Dans le but d'améliorer les contacts avec des personnes ou des institutions importantes isolées.

G. Sur recommandation du Comité exécutif, l'Assemblée générale peut autoriser l'admission de personnes morales dans l'Union n'ayant aucun droit de vote. Ces personnes morales peuvent être des universités, des agences gouvernementales, des organisations à but non lucratif ou des entreprises privées qui soutiennent les objectifs et programmes de l'Union Géographique Internationale. Les cotisations de ces personnes morales sera défini au moment de leur admission et pourra être ajusté à l'occasion par le Comité exécutif de l'UGI.

III. L'Assemblée Générale

A. Les travaux de l'Union sont décidés au cours d'une réunion de l'Assemblée générale des délégués désignés par les pays adhérent à l'Union ou à tout autre moment par un scrutin postal des délégués des pays membres dûment inscrits auprès du Secrétariat de l'UGI.

B. L'Union réunit normalement l'Assemblée générale ordinaire environ une fois tous les quatre ans, si possible au même moment et au même endroit qu'un Congrès géographique international. Une Assemblée générale comporte normalement deux sessions ou davantage réparties sur plusieurs jours. L'époque et le lieu sont arrêtés par l'Assemblée générale précédente, ou, si tel n'a pas été le cas, fixés par le Comité exécutif. Une Assemblée générale extraordinaire peut être convoquée par le Président en accord avec le Comité exécutif; elle doit être convoquée sur la demande écrite d'au moins la moitié des pays membres. La convocation à toutes les réunions de l'Assemblée générale doit être envoyée au moins quatre mois à l'avance.

C. Un Comité exécutif comprenant un Président, des Vice-présidents, et un Secrétaire-général et Trésorier doit être élu par l'Assemblée générale ou par scrutin postal.

- D. Tous les participants individuels à un Congrès qui sont régulièrement inscrits et présents peuvent assister aux réunions de l'Assemblée générale et prendre part aux discussions sans posséder le droit de vote, sauf exceptions indiquées ci-dessous. Le Président de l'Union peut aussi inviter à assister, à titre consultatif, aux séances de l'Assemblée générale, des représentants d'institutions scientifiques ou universitaires, internationales ou nationales, ainsi que d'autres savants intéressés.
- E. L'ordre du jour de l'Assemblée générale est fixé par le Président en accord avec le Comité exécutif et communiqué aux Comités de l'UGI des pays adhérents au moins quatre mois avant l'ouverture de la session. Une question ne figurant pas à l'ordre du jour peut être soulevée par une délégation avec l'approbation du Comité exécutif; la décision concernant une telle question ne peut être prise que lors d'une session ultérieure de cette Assemblée générale.
- F. Les résolutions concernant les questions scientifiques sont adoptées à la majorité des votes émis par les participants régulièrement inscrits au Congrès et personnellement présents à la réunion de l'Assemblée générale.
- G. Les résolutions concernant les questions de caractère administratif sont adoptées à la suite d'un vote par pays membres de l'Union, représentés à l'Assemblée générale ou en droit de voter par scrutin postal, chaque pays disposant d'une voix. Pour être valable, une résolution doit réunir plus de 50 pour cent des votes des pays membres présents à l'Assemblée générale ou en droit de voter par scrutin postal. Les pays membres associés et les membres correspondants n'ont pas le droit de vote.
- H. En cas de doute sur la catégorie dont relève une question, la décision appartient au Président. Dans tous les cas de partage égal des voix, la voix du Président est prépondérante.

IV. Le Président

A. Le Président de l'Union est élu par l'Assemblée générale et est normalement choisi parmi les personnalités dont l'expérience est attestée par l'exercice de fonctions électives dans l'Union. Il ou elle entre en fonction après la clôture de l'Assemblée générale, ou, si cette dernière a lieu pendant le Congrès, après la clôture du dit Congrès. Il ou elle reste en fonctions jusqu'à la clôture de la prochaine Assemblée générale, ou, si un Congrès a lieu en même temps, jusqu'à la clôture du dit Congrès. Il ou elle n'est pas rééligible comme Président pour la période suivante. Le Président sortant devient un des Vice-Présidents pour une nouvelle période.

V. Le Comité Exécutif

- A. Les membres du Comité exécutif agissent à titre personnel.
- B. Le Comité exécutif est constitué par le Président, le Président sortant, huit autres Vice-Présidents et un Secrétaire général.
- C. En dehors du Président et du Président sortant, qui devient Vice-Président pour une nouvelle période, les huit Vice-Présidents seront élus par l'Assemblée générale ou par scrutin postal. Ils ont des tâches déterminées. Ils doivent stimuler et coordonner les activités des

Commissions de l'UGI, représenter l'Union et développer ses contacts dans la région. Un Vice-Président devra prendre en charge le Service des Publications. Le nombre des Vice-Présidents peut être modifié par un vote de l'Assemblée générale, sur proposition du Comité exécutif. Sauf spécifié dans la Section V - I de ces Statuts, les Vice-Présidents restent en fonction pour une période de quatre ans et sont rééligibles ensuite, mais pour une seule nouvelle période. Les Vice-Présidents sont choisis pour représenter aussi largement que possible les pays membres et, à aucun moment, le Comité

exécutif ne peut comprendre plus d'un représentant de chaque pays. Un des Vice-Présidents est désigné par le Comité exécutif comme premier Vice-Président. Il ou elle remplace le Président quand celui-ci est empêché, temporairement ou non. Si le Président sortant n'est pas en mesure de devenir un Vice-président, le Comité exécutif de l'IGU pourrait désigner un des Vice-présidents actuels pour remplacer le président sortant uniquement pour la période de quatre ans à venir.

- D. Sauf spécifié dans la Section V - J de ces Statuts, un Secrétaire général est élu à l'Assemblée générale ou par scrutin postal pour une période de quatre ans et doit normalement être choisi parmi ceux qui possèdent une expérience en tant qu'officiels élus de l'Union. Il ou elle est rééligible pour une seule nouvelle période de quatre ans. Le Secrétaire général fait aussi fonction de Trésorier et il entretient un bureau administratif permanent ou un secrétariat. Avec l'accord du Comité exécutif et pour rendre plus efficace la gestion de l'Union, il ou elle peut se faire aider par un Secrétaire général ou un Trésorier adjoints. Le Secrétaire général s'occupe de la publication d'un Bulletin et de l'information des géographes, par l'intermédiaire des Comités de l'UGI, sur les activités de l'Union, et de la diffusion d'informations concernant les publications faites sous la responsabilité ou avec l'aide de l'Union.
- E. Le Comité exécutif peut pourvoir aux vacances qui surviendraient en son sein. Toute personne désignée dans ces conditions demeure en fonctions jusqu'à la réunion de l'Assemblée générale suivante qui procède à une élection régulière valable seulement pour la prochaine période.
- F. Les fonctions de membre du Comité exécutif ne comportent pas de rétribution; mais les membres ont droit au remboursement des frais de voyage et de séjour pour participation aux réunions du

Comité, suivant un barème, révisé s'il en est besoin de temps en temps par le Comité exécutif.

- G. Le Comité exécutif se réunit pendant chaque Congrès géographique international et en tous temps et lieux que le Président fixe après avoir pris l'avis du Secrétaire général. Une réunion au moins a lieu entre les Congrès pour examiner le programme du prochain Congrès; à cette réunion est convié le Président du Comité d'organisation du Congrès, ou son représentant, pour l'examen en commun des questions afférentes.
- H. Le Comité exécutif a pour but de développer de nouvelles voies et activités dans le domaine de l'enseignement et de la recherche géographiques, de les faire connaître aux Comités de l'UGI et de prendre toutes mesures nécessaires pour assurer la meilleure participation de l'Union aux programmes scientifiques internationaux. En outre, le Comité exécutif exécute les tâches qui lui sont confiées par l'Assemblée générale, et en particulier:
1. la préparation de l'ordre du jour de l'Assemblée générale;
 2. l'examen des invitations pour les Congrès généraux et régionaux et la préparation des recommandations à leur sujet pour décision par l'Assemblée générale;
 3. la collaboration avec les organisateurs des Congrès internationaux;
 4. l'examen des diverses questions soumises par les Comités de l'UGI en vue de leur inscription à l'ordre du jour de l'Assemblée générale;
 5. la création de Comités spéciaux ou temporaires pour des tâches particulières;
 6. l'approbation de Commissions pour examiner des problèmes géographiques spécifiques.

7. l'attribution, à titre honorifique, au nom de l'UGI, de distinctions spéciales à des personnes ayant accompli des travaux éminents ou ayant rendu des services émérites au profit de la communauté géographique internationale.
- I. Lors de l'élection d'août 2008 du Comité exécutif de l'IGU, quatre Vice-présidents doivent être élus pour des mandats uniques d'une durée de six ans (2008-2014); les quatre Vice-présidents effectivement élus ne doivent pas être en droit d'être réélus en tant que Vice-présidents de l'IGU à la fin de leurs mandats en 2014. Lors de l'élection d'août 2008, quatre Vice-présidents doivent être élus pour des mandats d'une durée de quatre ans (2008-2012); les quatre Vice-présidents effectivement élus seront en droit d'être réélus en tant que Vice-présidents pour un mandat supplémentaire de quatre ans (2012-2016) à la fin de leurs mandats initiaux en 2012. A partir de 2014, quatre Vice-présidents de l'IGU seront élus chaque année calendaire paire, et les élus serviront des mandats de quatre ans, étant en droit d'être élus pour un maximum de deux mandats consécutifs.
- J. Lors de l'élection d'août 2008 du Comité exécutif de l'IGU, le Secrétaire-général et Trésorier de l'IGU sera élu pour un mandat unique d'une durée de deux ans (2008-2010) ; la personne effectivement élu(e) doit être en droit d'être réélu(e) en tant que Secrétaire-général et Trésorier à la fin de son mandat initial en 2010 pour un mandat supplémentaire de quatre ans uniquement (jusqu'à 2014). A partir de 2014, une élection du Secrétaire-général et Trésorier de l'IGU se tiendra tous les quatre ans, et l'élu servira un mandat de quatre ans, étant en droit d'être réélu en tant que Secrétaire-général et Trésorier pour un maximum de deux mandats consécutifs.

VI. Commissions

- A. Les Commissions sont créées pour étudier des questions précises ou pour

accomplir des tâches qui requièrent une collaboration internationale. Elles favorisent les recherches individuelles ou collectives, facilitent des échanges de documents et d'informations, organisent des conférences, des rencontres et éventuellement des travaux de terrain, à la fois entre les Congrès et pendant les Congrès géographiques internationaux.

- B. Tout pays membre ou le Comité exécutif peuvent proposer la création d'une Commission nouvelle. Le projet, comprenant une définition des objectifs et un programme de travail, devrait parvenir au Comité exécutif au moins neuf mois avant l'Assemblée générale. L'objet de la nouvelle Commission doit être délimité avec précision. Le projet devrait être accompagné d'une liste proposant le Président et des membres éventuels d'un Comité de Direction. Il est alors discuté par le Comité exécutif et pourra être approuvé par le Comité exécutif.
- C. Les Commissions sont regroupées en ensembles thématiques, chacun étant coordonné par un Vice-Président. Les Commissions sont renouvelables en fonction de l'évidence de leur activité et de l'utilité de leurs objectifs pour l'Union. Dans des cas exceptionnels la majorité des pays membres peut, par un vote écrit, conclure avant terme le travail d'une Commission ou modifier ses objectifs ou sa présidence.
- D. Une Commission comprend normalement un Président et un Comité de Direction comprenant au maximum dix autres membres, approuvés pour une première période d'environ quatre ans, renouvelable une deuxième fois pour une période semblable. Parmi les membres du Comité de Direction, une Commission peut, si elle le désire, nommer un Vice-Président et un Secrétaire. Normalement, elle ne devrait pas compter plus d'un membre par pays adhérent. Le Président est normalement désigné par l'Assemblée

générale; la liste des membres du Comité de Direction est approuvée par le Comité exécutif. Personne ne peut être membre du Comité de direction de plus d'une Commission. La Commission peut adjoindre par cooptation un certain nombre de membres. En cas de vacance de la Présidence, entre deux Assemblées générales, un nouveau Président est désigné par le Comité exécutif, sur proposition des membres du Comité de Direction de la Commission. Une décision de la Commission peut pourvoir au remplacement des membres, en cas de vacance dans le Comité de Direction de la Commission, survenant après l'approbation de la liste par le Comité exécutif.

- E. Une Commission peut organiser son travail en créant en son sein des sous-commissions sur des questions particulières.
- F. Les Commissions peuvent solliciter du Comité exécutif des subventions ou des fonds destinés à l'exécution de leurs tâches. La responsabilité financière de l'Union est limitée aux subventions accordées et approuvées par le Comité exécutif qui partage les fonds disponibles entre les ensembles de Commissions.
- G. Les Commissions peuvent conclure des contrats de recherche et solliciter des subventions auprès d'organisations nationales ou internationales, ou d'autres organismes. Les Commissions doivent rendre compte au Comité exécutif de ses démarches, puis des résultats obtenus.
- H. Une Commission peut publier les résultats de leurs recherches ou collaborer à des publications.
- I. Chaque Commission prépare un bref rapport de son travail qu'il fait parvenir au Secrétaire général du Comité exécutif au moins neuf mois avant l'Assemblée générale suivante. Le rapport doit comporter un compte rendu des travaux réalisés, des méthodes adoptées, des résultats acquis, ainsi qu'un programme des recherches

ultérieures, s'il est jugé utile. Ce rapport est diffusé auprès de chaque Comité de l'UGI et discuté au cours d'une réunion très largement ouverte à l'occasion du Congrès international. La présentation, la discussion, la publication des rapports peuvent être faites en commun par plusieurs Commissions. L'Assemblée générale décide, sur proposition du Comité exécutif, si le renouvellement d'une Commission est justifié par son activité.

- J. La durée maximale de service d'un membre d'une Commission ne peut excéder douze années pour un Président ou un membre du Comité de Direction.

VII. Finances

- A. Tous les pays adhérant à l'Union comme membres titulaires sont répartis entre les quinze catégories suivantes. Chaque pays adhérent paie annuellement au minimum le nombre d'unités de souscription correspondant au numéro de sa catégorie, suivant le barème ci-après.
- B. Tout pays demandant son adhésion à l'Union doit spécifier dans quelle catégorie il souhaite être classé. Dans chaque pays l'organisation qui adhère à l'Union est responsable du paiement de la contribution. Tout pays dont les contributions sont en retard fait l'objet d'un rapport à l'Assemblée générale. Quand un pays membre n'a pas payé ses cotisations pendant trois années consécutives, il est réduit au statut d'observateur, jusqu'à ce que les arriérés aient été soldés.
- C. Les pays membres associés de l'Union paient une cotisation annuelle fixée, et susceptible d'être modifiée, par l'Assemblée générale.
- D. Les membres correspondants (institutionnels et individuels) paient une cotisation annuelle fixée par le Comité exécutif.
- E. Le Secrétaire général prépare un état des recettes et des dépenses pour chacune des

années de la période comprise entre deux Assemblées générales. Au nom du Comité exécutif, il ou elle prépare un budget prévisionnel pour la période comprise entre une Assemblée générale et la suivante. Un Comité financier, nommé à cette fin par l'Assemblée générale, est chargé de vérifier les comptes des exercices précédents et d'étudier les propositions budgétaires. Il soumet, sur ces questions, des rapports à l'Assemblée générale. Le Comité financier peut

proposer des changements de catégories pour certains pays. Après avoir examiné le budget et le rapport du Comité financier, l'Assemblée générale fixe le taux de la part contributive unitaire des membres titulaires et les redevances annuelles des membres associés, ainsi que la ou les monnaies dans lesquelles le paiement doit être effectué.

F. Les recettes de l'Union proviennent essentiellement:

1. des contributions des membres;
2. des subventions accordées par d'autres organismes;
3. de la vente des publications;
4. de dons et de donations;
5. de droits d'inscription aux congrès et aux conférences;
6. de crédits de recherche.

Les recettes doivent être tout d'abord consacrées à payer:

1. les dépenses d'administration, y compris l'entretien du Secrétariat et les réunions du Comité exécutif;
2. les frais des publications faites sous la direction de l'Union et explicitement autorisées par le Comité exécutif;
3. les subventions aux Commissions;
4. les subventions pour l'organisation des

Congrès géographiques internationaux et des rencontres régionales, en particulier dans les régions où les organismes responsables ont besoin d'aide pour l'organisation des études géographiques;

5. éventuellement, des contributions aux frais de recherches entreprises sous la direction ou avec l'accord de l'Union;
6. les frais liés à la coopération avec le CIUS, le CISS et d'autres organismes, y compris les cotisations.

L'excédent peut, avec l'agrément de l'Assemblée générale, être utilisé pour faire avancer les buts généraux de l'Union, définis à l'article premier. Les ressources provenant de dons et de subventions sont utilisées par l'Union en tenant compte des désirs exprimés par les donateurs. Tout pays qui se retire de l'Union abandonne de ce fait ses droits à l'actif de l'Union.

G. L'Union dispose d'un "Fonds de Solidarité et de Promotion de la Géographie" dont le but est de développer la géographie et d'aider les géographes, en particulier ceux des pays les moins riches. Le Fonds est géré par un Bureau nommé par le Comité Exécutif.

H. Le Secrétaire général en sa qualité de Trésorier tient des comptes détaillés et les archives de toutes les transactions financières. Il ou elle veillera à ce que les comptes soient vérifiés annuellement.

I. A chaque Congrès international ou Conférence régionale, une contribution, fixée par le Comité exécutif, sera incluse dans les frais d'inscription de tous les participants; elle sera transférée au Trésorier de l'Union dans les six mois après la clôture du Congrès ou de la Conférence.

VIII. Règlements Internes

A. L'Assemblée générale peut édicter des règlements internes concernant, soit la conduite des travaux, soit les tâches générales qui incombent aux membres du Comité exécutif, soit, en général, tous les objets non prévus dans les Statuts.

- B. De même, chaque Commission peut élaborer des règlements pour la conduite de ses propres travaux. Ces règlements doivent être approuvés par le Comité exécutif, aucun d'eux ne pouvant contenir des prescriptions contraires aux termes des Statuts.
 - C. L'Anglais et le Français sont les langues de travail de l'Union.
 - D. Aucune discrimination de race, de groupe ethnique, de nationalité, de religion, de sexe ou d'opinion politique n'est admise dans l'Union ni dans les réunions qu'elle organise ou tenu sous son patronage.
 - E. En tant que membre du CIUS, l'UGI adhère à ses directives concernant la libre circulation des scientifiques.
- IX. . Le Congrès International de Géographie**
- A. Un Congrès géographique international doit être tenu tous les quatre ans environ, si possible.
 - B. Les propositions doivent être adressées au Secrétaire général par les pays membres ou les groupes de pays membres qui offrent de recevoir le Congrès. L'acceptation de l'invitation fait l'objet à l'Assemblée générale d'un vote par les pays membres titulaires de l'Union. Une Assemblée générale peut accepter des invitations pour les deux prochains Congrès.
 - C. Quand l'offre du pays hôte a été acceptée, l'organisation et le financement du Congrès sont de la responsabilité du ou des pays hôtes, sous condition des autres dispositions de l'Article IX. Toutefois le Comité exécutif se réserve un droit d'avis sur le programme proposé pour le Congrès. Il est de la responsabilité du ou des pays hôtes:
 - 1. de prendre les dispositions nécessaires en vue des réunions de l'Assemblée générale;
 - 2. de prendre les dispositions nécessaires pour les réunions du Comité exécutif et le fonctionnement du Secrétariat;
 - 3. de prendre les dispositions nécessaires pour assurer un horaire et des locaux aux réunions des Commissions de l'Union;
 - 4. de soumettre ses propositions en vue de l'organisation du Congrès au moins deux ans à l'avance au Comité exécutif qui doit s'assurer que ces propositions sont en accord avec les statuts de l'Union. Normalement un représentant du Comité d'organisation du pays hôte est convié à la réunion du Comité exécutif où ces propositions sont examinées et le pays hôte doit consulter un ou plusieurs membres du Comité exécutif.
 - D. Le Secrétaire général informe alors les pays membres du lieu du prochain Congrès international de géographie et de l'adresse des organisateurs. Les Comités de l'UGI des pays membres ou les particuliers peuvent ensuite communiquer directement avec le Comité d'organisation du prochain Congrès.
 - E. Les langues de travail d'un Congrès international sont l'anglais et le français. Avec l'accord du Comité exécutif la langue du pays invitant peut être utilisée dans les discussions à condition que soient prévues des traductions.
 - F. Le Comité exécutif peut accepter des invitations à des Conférences régionales ou à d'autres réunions internationales de caractère plus restreint ou avec des buts précis; il peut lui-même patronner ou organiser de telles réunions.
 - G. Les Congrès géographiques internationaux généraux, aussi bien que les Conférences régionales, sont ouverts aux délégués de tous les pays membres de l'Union et à d'autres personnes appartenant à des pays membres de l'Union ou à des pays non-membres.
 - H. Le Comité d'organisation d'un congrès ou d'une rencontre géographique internationale peut être invité à rendre compte de ses activités à l'Assemblée générale. Après la fin du Congrès ou de la rencontre, le Comité d'organisation doit

adresser un rapport final au Comité exécutif.

X. Affiliation d'Autres Institutions Scientifiques

- A. L'Union Géographique Internationale peut proposer l'affiliation à d'autres associations scientifiques internationales dont les intérêts lui sont apparentés, à condition que les aspirations, les objets et les constitutions de telles associations soient compatibles avec ceux de l'Union Géographique Internationale. Les liens avec les organisations affiliées peuvent être de nature régionale ou thématique.
- B. Le Comité exécutif de l'Union Géographique Internationale, après s'être assuré que les statuts de l'Association proposée pour l'affiliation satisfont à ces conditions, conseille à l'Assemblée générale d'accorder l'affiliation.
- C. L'Union Géographique Internationale et les associations affiliées continuent à être des institutions indépendantes, pourvues de leurs propres statuts, organisations et finances. Le degré de collaboration fait

l'objet d'accords mutuels entre les organes exécutifs respectifs.

- D. L'affiliation prend fin quand l'Assemblée générale de l'Union ou de l'organisation affiliée le décide après en avoir dûment prévenu l'autre partie.

XI. Durée de la Convention et Modifications

- A. La durée de l'Union n'est pas limitée.
- B. Aucun changement ne pourra être apporté au texte des présents statuts sans l'approbation de plus de la moitié des votes des pays membres de l'Union en droit de voter à l'Assemblée générale ou par scrutin postal.
- C. En cas de dissolution de l'Union, votée par l'Assemblée générale à la majorité des deux-tiers des voix de l'ensemble des pays adhérents, les fonds disponibles seront attribués par l'Assemblée générale à une ou plusieurs organisations scientifiques.
- D. Les textes français et anglais font foi de façon égale pour l'interprétation à donner aux articles des présents statuts.



Thank you