

# COMMISSION AND TASK FORCE REPORTS 2018

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## C16.01 Applied Geography

### 1. Members and Participants

#### 1.1 Membership

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## 2. Meetings

### 2.1. Summary of meetings, themes and venues

#### 2.1.1. Major events in the year 2017

The Applied Geography Commission and the University of Queensland co-hosted the Institute of Australian Geographers Conference in Brisbane 11-14 July 2017. Professor Jonathan Corcoran, AGC Secretary, organized four sessions featuring 12 papers on a variety



of topics in applied geography. All sessions were well attended.

#### **A selection of presenters at the AGC Brisbane meeting**

The Commission hosted an evening round table for session participants on Wednesday, July 12 featuring past Commission Chairs, Professor Robert Stimson and Professor Robert Baker. Most importantly, several graduate students attended the event as well. The Commission discussed plans for disseminating research papers by organizing and publishing a book or by organizing a special issue of a journal.

### **2.1.2. Major events in the year 2018**

The Applied Geography Commission participated at the **2018 IGU Regional Conference - CAG Annual Meeting - NCGE Annual Conference** held in Quebec City on August 6-10, 2018. The Commission hosted three sessions featuring 12 papers in the broad subjects of Market Geographies; Transportation, Tourism, and Community Spaces; and Cities and Planning.



**Commission members and participants at the Quebec City meetings**

John Lombard (AGC President) and Jonathan Corcoran (AGC Secretary) held a business meeting of the Commission whereby members and attendees discussed plans for future meetings and publications. Furthermore, the Commission hosted an evening dinner and roundtable for participants as well as several social gatherings at local establishments.

### **2.1.3. Future Events**

The Commission plans two meetings in 2019. First, the Commission Conference will be held at the Gran Sasso Science Institute in L'Aquila, Italy as shown in the see save the date flyer (below). Second, the Commission will hold a joint meeting with the Applied Geography Conferences, Inc. in Charlotte, North Carolina in early November 2019. Professor Murray Rice, Executive Director of the AGC, Inc. has garnered the support of the steering committee and more details will be available in early 2019. The Commission will sponsor several sessions at the IGU Congress in Istanbul in the year 2020.



### 3. Networking

The Commission has collaborated with the Institute of Australian Geographers (2017), the Applied Geography Conferences, Inc., (2019) and the Gran Sasso Science Institute (2019). Moreover, the Commission Chair is in talks with Professor Carlos Silva Nunes, Chair of the IGU Commission on the Geography of Governance, to explore the possibility of holding a joint meeting.

### 4. Publications

- The Commission published an edited book as noted in the citation below presenting a wide variety of research on how GIS and planning in applied geography is policy relevant.
- Lombard, John R., Stern, Eliahu, & Clarke, Graham. (2017). *Applied spatial modelling and planning*. Abingdon, Oxon; New York, NY: Routledge.
- Commission members Nik Lomax (University of Leeds), Jon Corcoran (University Queensland) and John Lombard (Old Dominion University) are in discussions to edit a special issue of the journal *Applied Spatial Analysis and Planning*, with the running title 'Contemporary Applications in Spatially Integrated Social Science' in 2019 featuring select research from the 2017 and 2018 Applied Geography Commission meetings.



## **C16.02 Biogeography and Biodiversity**

### **1. Members and Participants**

#### **1.1 Membership**

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

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## **2. Meetings**

### **2.1. Summary of meetings, themes and venues**

#### **2.1.1. Meetings in the year 2017**

Details of the scientific meetings supported/participated by our commission (Biogeography and Biodiversity) have been provided in the annual report submitted last year.

#### **2.1.2. Meetings in the year 2018**

2.1.2.1. XI International Geographical Union (IGU), Guwahati, India (February 8-10, 2018)

The 29<sup>th</sup> North East India Geographical Society (NEIGS) Biennial Conference cum XI International Geographical Union (IGU) Seminar was jointly organized and hosted by the Department of Geography, B. Borooah College, Guwahati on February 8-10, 2018. The focal theme of the seminar was *Environment and Sustainable Livelihood*. The seminar was attended by around 750 participants from more than ten countries representing more than 110 institutions. A total of 53 technical sessions, four plenary sessions, 3 panel discussions and a key note lecture was delivered during the seminar. A

poster award “Dr Manju Singh young scientist poster award for young geographers” was also initiated under the aegis of IGU task force for young and early career geographers. The conference was also supported by SERB-DST, Government of India; ICSSR (Delhi and Shillong); ISRO, Government of India; NESAC; ASTEC; INSA etc.

Following IGU commissions collaborated in this conference:

1. Commission on Biogeography and Biodiversity
2. Commission on Geo-heritage
3. Commission on Land Use/Land Cover Change
4. Commission on Geography of Governance
5. Commission on Local and Regional Development
6. Commission on Agricultural Geography and Land Engineering.

#### 2.1.2.2. IGU Thematic Conference. Practical Geography & XXI Century Challenges in Moscow, Russia (4<sup>th</sup>-6<sup>th</sup> June, 2018)

This IGU conference was dedicated to the 100th anniversary of the Institute of Geography of the Russian Academy of Sciences (RAS). The conference was attended by a some of the leading geographers of world representing variety of branches in Geography and nature conservation. Co-organisers of the conference were World Wild Fund (WWF), the Russian Geographical Society, Faculty of Geography, Lomonosov Moscow State University, and the RAS. Almost all the IGU commissions including Biogeography and Biodiversity participated in this grand scientific conference.

#### 2.1.2.3. IGU Regional Conference Quebec. Appreciating Difference, Canada (6<sup>th</sup>-10<sup>th</sup> August, 2018)

The IGU Quebec, Canada was one of the main conferences organized every two years. This conference was jointly organized by the Canadian Association of Geographers (CAG) and the Université Laval. The main collaborators of the conference were CAG, National Council for Geographic Education, The Royal Canadian Geographical Society etc. The conference theme was Appreciating Difference, which focused on the way towards harmonious world. Our commission proposed three sessions in the conference viz. Response of Mountain Ecosystems to Climate Change, Conservation of Biodiversity and Recent Developments and Expansions in Biogeography.

### **2.1.3. Meetings orgainized and going to be orgainized in the year 2019**

#### 2.1.3.1. XII India IGU Conference on Climate Change, Natural Disasters and Sustainable Development in Panchkula, India (22<sup>th</sup>-24<sup>th</sup> February 2019)

The XII IGU Conference on Climate Change, Natural Disasters and Sustainable Development was organized by the Post-Graduate College, Panchkula, India during 22-24<sup>th</sup> February 2019. The conference aimed to explore changing climatic conditions and associated natural disasters and looking for the potential sustainable development pathways. Following IGU commissions collaborated/participated in the conference.

1. Commission on Biogeography and Biodiversity
2. Commission on Local and Regional Development
3. Commission on Geo-Heritage
4. Commission on Urban Health and Well-being.
5. Commission on Land Use/Land Cover Change
6. Commission on Agricultural Geography and Land Engineering
7. IGU Taskforce for Young and Early Career Geographer

#### 2.3.1.2. IGU Thematic Conference on Transformation of Traditional Cultural Landscapes in Koper, Slovenia (24<sup>th</sup>-26<sup>th</sup> September, 2019)



The IGU Thematic Conference on Transformation of Traditional Cultural Landscapes will be organised by the Research Centre of the Slovenian Academy of Sciences and Arts, the Association of Slovenian Geographers and the University of Primorska at Koper, Slovenia during 24<sup>th</sup>-26<sup>th</sup>, September 2019. The conference will be supported/participated by many IGU commission e.g. commissions on Land use and Land cover change, Biogeography and Biodiversity Local and Regional Development Mediterranean Basin, Land Degradation and Desertification.

### **3. Networking**

During the 2017-18 period, the Commission on Biogeography and Biodiversity continued to cooperate with other IGU Commissions as well as with other international scientific groups. For instance, India XI IGU Commission Seminar on Environment and Sustainable Livelihood was jointly organized by the North East India Geographical Society (NEIGS) and the Department of Geography at B.Borooah College, Guwahati. Our commission along with many other IGU commissions and Commonwealth Geographical Bureau supported/collaborated in this event. The IGU Thematic Conference 2018 in Moscow, Russia (Practical Geography and XXI Century Challenges) was organized by the International Geographical Union (IGU) and hosted at the Institute of Geography of Russian Academy of Sciences (RAS), wherein almost all the commissions of IGU participated. The IGU Regional Conference 2018 (Appreciating Difference) in Quebec, Canada was jointly organized by the Canadian Association of Geographers and the Université Laval, where all IGU commissions participated. Moreover, the co-organisation of these conferences led to the bilateral exchange of scientific ideas, learnings and possible solutions to the global and local problems. Besides, close institutional ties and scientific collaborations are among the other benefits.

### **4. Publications**

- Climate Change, Extreme Events and Disaster Risk Reduction: Towards Sustainable Development Goals: This book has been recently published under the SDGs series edited by R.B Singh, S. Mal and M. Meadows.
- Mal, S., Singh, R.B., Huggel, C. (eds.) (2018): Climate Change, Extreme Events and Disaster Risk Reduction: Towards Sustainable Development Goals. Springer International Publishing. XVII, 209 pp. ISBN: 978-3-319-56468-5 (Print) 978-3-319-56469-2 (Online) <http://www.springer.com/de/book/9783319289755>

We are working on the volume dedicated particularly to the world mountains addressing changes in the landscapes of mountains caused by climate and land use change by Udo Schickhoff, RB Singh and Suraj Mal (under preparation).

### **5. Continuation**

The IGU Commission on Biogeography and Biodiversity want to continue its successful work during the period 2018-2022. One of the prime objectives of the commission is to promote biogeographical teaching, research and scholarship and to contribute to the research and development in biogeography. We aim at particularly three aspects 1) Developments and Expansions in Biogeography, 2) Response of Mountain Ecosystems to Climate Change and

3) Conservation of Biodiversity. The Commission meetings address various aspects of spatial, ecological and historical biogeography, and emphasize the societal relevance of biogeography. The themes of commission meetings are rather integrative, encompassing nature and culture, encompassing both ecological and socio-economic aspects of biogeography, indicating a distinct enthusiasm for interdisciplinary topics such as land use and land cover change, people, resources and sustainable development, political ecology or livelihood enhancement of local people. The Commission is an active advocate of the unity of geography, and fully endorses efforts into a holistic view of emerging research problems. A special focus of the Commission's work is promoting Biogeography research and development in developing countries. The Commission seeks to support this development by conducting annual meetings preferably in developing countries and, in general, by contributing to establish modern Biogeography in various parts of the globe as a discipline with important applications to critical problems of global change. We continue to work on our previous agenda and objectives, as follow

### **Objectives for 2018-2022**

1. To continue to explore and exploit the diversity of Biogeography as a discipline within Geography, Biology and allied disciplines, thereby promoting biogeographical teaching, research and scholarship
2. To organise fora for presentation and discussion (i) within the IGU structures (IGU Conference Panchkula, India 22th-24th February, 2019 and IGU Thematic Conference on Land Use and Land Cover Change, Biogeography and Biodiversity, Local and Regional Development, Mediterranean Basin, Land Degradation and Desertification in Koper, 24th-26th September, 2019), (ii) by group meetings with national geographical bodies, and (iii) to promote biogeographical research and scholarship by geographers within other international organisations such as the International Biogeography Society (IBS), the International Association for Vegetation Science (IAVS), and other ICSU/IUBS organisations
3. Using our full members, we will organise joint meetings with the biogeography groups in India and Slovenia in the next years.
4. Using our experiences of biogeography in developing countries, we will continue to hold joint meetings in those countries to further promote biogeography as an important discipline
5. We will continue to publish proceedings of our meetings wherever possible.

### **6. Website**

A new website of the Commission on Biogeography and Biodiversity has been constructed and is accessible under <http://www.igubiogeography.com/index.html>.

## **C16.03 Climatology**

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**HONORARY MEMBERS:**

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), A. Bitan (Israel), N. Tapper (Austria: Since August 2018).

Newsletters have been delivered to hundreds of climatologists by a mailing list (CLIMLIST) however it was decided to complete the list of corresponding members (everyone interested in cooperating in the frame of Commission). The data has still being collected and prepared.

## **2. Meetings**

### **2.1. The meetings your commission organized in 2017–2018 with information on their locations, dates, and numbers of participants.**

Commission on Climatology has been operating for international research cooperation and studies on the field of climatology. It promotes individual and group research work, encourage the exchange of relevant documents and information. The main stream of activities in 2017–2018 period was organizing our committee sessions in the 2018 IGU Regional Conference held at Quebec, Canada as written below.

### **2.2. IGU Regional Conference**

2018 IGU Regional Conference was held in Quebec City, 6–10 August, 2018. In this conference, the following four CoC organized sessions and one open session was held in 1.5 days. The number of talks are shown in each session is shown in parentheses. Participants were 20–40 on 7 August, and 10–20 on 8 August.

7 August:

C3-SP2. Natural Hazards and Climate (8)

C3-SP1. Climate Change: Recent Trends in the Americas (5)

C3-SP6. Weather and Climate Extremes: Increasing (In)security in a Changing World (2)

8 August:

C3-SP7. Natural Hazards, Extreme Weather and their Impacts: Memorial Session of Late Prof. Masatoshi Yoshino (5)

C3-SP100. Climatology OPEN SESSION (2)

Posters:

### **2.3. The 34th IGC 2020 in Istanbul.**

The 34<sup>th</sup> IGC will be held in Istanbul/Turkey (17 to 21 August 2020). One of the main topics of the congress is climate change. Therefore, stronger contribution to that conference will be anticipated. Our commission is thought to open multiple sessions at this conference, although minute has not been decided yet. We will try to organize number of fascinating sessions which will be discussed among our commission members in 2019.

### **3. Networking**

#### **3.1. Ways your commission has collaborated with other IGU Commissions and Task Forces during 2018.**

#### **3.2. Collaboration with other international, intergovernmental, and inter- and multi disciplinary groups in 2017-2018.**

IPCC (Intergovernmental Panel on Climate Change) request on nominees for the next 6th Assessment Report was delivered among the former and current steering committee members.

As a result, IGU recommended to nominate Professor Alexander Polonsky of Scientific Head of Institute and Head of Center of Oceanography and Climate, Institute of Natural-Technical Systems of Russian Academy of Sciences, Russian Federation as an expert reviewer for WG1.

### **4. Publications**

#### **4.1 Newsletters, special journal issues, and books published in 2017**

It was decided that the best way for disseminating information was the electronic one, even in developing countries where, if colleagues do not own private computers, all the universities have a website. Hard copy mailing was stopped. The existing lists as CLIMLIST is used to send around the Newsletters. We can be sure that the CoC Newsletters are provided to a great number of geography climatologists.

#### **4.2. The URL of the commission's web site.**

CoC website: <http://www.klimat.geo.uj.edu.pl/CoC.htm>

### **5. Archival Contributions**

All newsletters (since 2005) are available at the website

## **C16.04 Coastal Systems**

### **1. Membership**

The Officers and Steering Committee of the Commission on Coastal Systems have consisted of the following members during the reporting period:

#### **1.1. Steering committee members**

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## 2. Meetings

The following meetings were organised, or sponsored, by the Commission on Coastal Systems in the period 2017-2018, with summary information on their locations, dates, and numbers of participants.

### 2.1. APRIL 23-28, 2017, VIENNA, AUSTRIA, EUROPEAN GEOSCIENCES UNION (EGU)

CCS sponsored and convened session **GM12.5 Coastal Morphodynamics: Nearshore, Beach and Dunes**. This session was organized by Irene Delgado-Fernandez (UK), Derek Jackson (UK) and Emilia Guisado-Pintado (Spain). The session comprised solicited talks by two internationally-renowned coastal scientists; Professor Chris Houser (Canada) and Professor Troels Aagaard (Denmark), and contributions from coastal scientists interested in the measurement and modelling of coastal processes and geomorphological responses across the three sub-units of sandy coastlines (nearshore, beach and dunes).

CCS has sponsored and convened session **GM12.6 Coastal Zone Geomorphological Interactions: Natural Versus Human -Induced Driving Factors** for the seventh year in succession. The session was organized by Margarita Stancheva (Bulgaria), Andreas Baas (UK), Giorgio Anfuso (Spain), Hannes Tonnison (Estonia) and Guillaume Brunier (France). The session comprised a set of 6 oral presentations and 18 posters focusing on a range of coastal issues spanning different coastal regions around the world. A solicited talk was given by Professor Robert Young (USA), Director of the Program for the Study of Developed Shorelines (PSDS), focused on the history and impacts of beach nourishment in the USA and had a huge interest among participants.

### 2.2. APRIL 08-13, 2018, VIENNA, AUSTRIA, EUROPEAN GEOSCIENCES UNION (EGU)

In 2018, CCS also convened similar sessions at EGU. On this occasion **GM11.3 Coastal Morphodynamics: Nearshore, Beach and Dunes** was also convened by Irene Delgado-Fernandez (UK), Derek Jackson (UK) and Emilia Guisado-Pintado (Spain). Solicited talks were presented by two internationally-renowned coastal scientists; Dr Nadia Senechal (Université de Bordeaux) and Professor Andrew Cooper (Ulster University). Over 50 abstracts from 14 different countries were submitted to the session this year, doubling the number in 2017, further consolidating the Coastal Morphodynamics session as one of the most popular sessions in the Geomorphology programme at the EGU. Key papers from coastal morphodynamics sessions at EGU are published in a special issue of *Earth Surface Processes and Landforms*.

The session **GM11.4 Coastal Zone Geomorphologic Interactions: Natural versus Human-Induced Driving Factors** was held for the tenth time at the EGU and sponsored by CCS for the eighth year of succession, which has proven this session as one of the most sustainable EGU geomorphology sessions. The session was organized by Margarita Stancheva (Bulgaria), Andreas Baas (UK), Giorgio Anfuso (Spain), Hannes Tonnison (Estonia) and Guillaume Brunier (France). It was held with 23 high quality abstract submissions from 17 different countries worldwide and was divided into an oral session of 6

talks and a poster session with 17 poster presentations. The session topics included predictions of shoreline change and discussion of the effects of human activities and their continuing contribution to coastal changes. Human impact on coastal evolution was discussed regarding short time scales (annual and decadal), but also long term (millennial scale).

### **2.3. SEPTEMBER 3-6, 2018. ECSA 57: CHANGING ESTUARIES, COASTS AND SHELF SYSTEMS - DIVERSE THREATS AND OPPORTUNITIES, PERTH, AUSTRALIA**

The Estuarine and Coastal Sciences Association held its 57<sup>th</sup> conference in Perth, Australia. The Commission on Coastal Systems sponsored a session on *Similarities, stressors and sustainability of southern hemisphere estuaries on wave-dominated coasts*, convened by Kerrylee Rogers, Debora Freitas, Janine Adams and Colin Woodroffe. Ten oral presentations covering Brazil, South Africa, Australia and New Zealand were presented, together with several posters. A special issue of *Estuarine Coastal and Shelf Science* emanating from this session is being compiled.

### **2.4. OCTOBER 04 - 05, 2018, COASTAL HAZARDS IN AFRICA, TETOUAN, MOROCCO**

CCS was particularly pleased to have inaugurated a meeting in north Africa that focused on coastal hazards in Africa. The meeting was intended to bring together scientists and managers interested in African coastal areas in order to draw up an assessment of the state of coastal zones, identify the main risks to which they are exposed, discuss the measures taken to confront these risks, and propose measures to be taken to better manage them, recognising that many coastal cities in Africa are particularly vulnerable. Organised by Abdelmounim El M'rini, Driss Nachite, Mohamed Maanan and Edwards Anthony, a special issue of *Journal of African Earth Sciences* is being compiled.

## **3. Networking**

The CCS has maintained networking and communication through its Newsletter, published twice a year, as well as through special sessions at meetings.

- a. The CCS has not undertaken collaborations with other IGU Commissions in the period 2017-2018, but did collaborate with COMB at their annual meeting in 2016.
- b. The CCS has collaborated with IGCP Project 639 'Sea-level change from Minutes to Millennia' with whom it co-sponsored a session at EGU.
- c. The CCS has not undertaken cooperative efforts with the newly amalgamated ISC (International Science Council)

## **4. Publications**

**a. Newsletters, special journal issues,** and books published or anticipated during the 2017-2018 period (provide complete citations for all publications).

Two Newsletters have been published each year; numbers 76 and 77 in 2017 and 78 and 79 in 2018. The next Newsletter will appear in January 2019.

The following special issues are in production

Coastal Morphodynamics – *Earth Surface Processes and Landforms*

Estuaries and Coasts of the Southern Hemisphere – *Estuarine Coastal and Shelf Science*

Coastal Hazards in Africa - *Journal of African Earth Sciences*

### **b. Archival Contributions**

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

## **5. URL of the Commission website.**

<http://www.igu-ccs.org/>

## C16.05 Cold Region and High Altitude Regions

### 1. Members and Participants

#### 1.1 Membership

The structure of the IGU-CHAR current steering committee, including all names and contact details.

Steering Committee	Full name	Gender	Country	Institution	Email address	Since
Chairperson	Tatiana Vlasova	F	Russia	Institute of Geography, Russian Academy of Science	<a href="mailto:tatiana.vlsv@gmail.com">tatiana.vlsv@gmail.com</a>	2004
Vice-Chair	Marie-Jeanne Royer	F	UK	Department of Geography & Earth Sciences, Aberystwyth University, Aberystwyth SY23 3DB UK	<a href="mailto:royer_marie_jeanne@yahoo.com">royer_marie_jeanne@yahoo.com</a>	2015
Steering committee member 1	Christian Schlüchter	M	Switzerland	Institut für Geologie, Universität Bern, Switzerland	<a href="mailto:christian.schluechter@geo.unibe.ch">christian.schluechter@geo.unibe.ch</a>	
Steering committee member 2	Wieslaw Ziaja	M	Poland	Institute of Geography and Spatial Management of the Jagiellonian University, Krakow, Poland	<a href="mailto:wieslaw.ziaja@uj.edu.pl">wieslaw.ziaja@uj.edu.pl</a>	
Steering committee member 3	Prakash Chandra Tiwari	M	India	Department of Geography, Kumaon University, India	<a href="mailto:pctiwari@yahoo.com">pctiwari@yahoo.com</a>	
Steering committee member 4 (to be confirmed)	Andrey Petrov	M	USA	Department of Geography, University of Northern Iowa, Cedar Falls IA USA	<a href="mailto:andrey.petrov@uni.edu">andrey.petrov@uni.edu</a>	2016
Steering committee member 5	Dana Micu	F	Romania	Institute of Geography of the Romanian Academy	<a href="mailto:micudanamagdalena@gmail.com">micudanamagdalena@gmail.com</a>	2016
Steering Committee member 6	David William Hedding	M	South Africa	Department of Geography, University of South Africa	<a href="mailto:heddidw@unisa.ac.za">heddidw@unisa.ac.za</a>	2016
Steering committee member 7	Sophie Hou	F	France	Ecole Normale Supérieure de Lyon, Lyon, France	<a href="mailto:sophie.hou.cr@gmail.com">sophie.hou.cr@gmail.com</a>	2016
Steering committee member 8	Gail Fondahl	F	Canada	University of Northern British Columbia, Canada	<a href="mailto:gail.fondahl@unbc.ca">gail.fondahl@unbc.ca</a>	2017



Steering committee member 9	Beatrice Collignon	F	France	The National Center for Scientific Research (CNRS), France	beatrice.collignon@cnrs.fr	
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Note: maximum steering committee size should not normally exceed 11 members

<b>Honorary Members</b>	<b>Full name</b>	<b>Gender</b>	<b>Country</b>	<b>Institution</b>	<b>Email address</b>	<b>Since</b>
Honorary member 1	Nancy Doubleday	F	Canada	Department of Philosophy, McMaster University, Canada	doublen@mcmaster.ca, ncdday@gmail.com	2004
Honorary member 2	Dario Trombotto	M	Argentina	Ianigla - CCT Mendoza – Conicet. Casilla de Correo 330 5500 Mendoza, Argentina	dtrombot@lab.cricyt.edu.ar	2004
Honorary member 3	Nikolay I. Shiklomanov	M	USA	Department of Geography, George Washington University 1922 F St. NW Washington, DC 20052 USA	shiklom@gwu.edu	2004
Honorary member 4	Jef Vandenberghe	M	Netherlands	Dept. Of Earth Sciences VU University De Boelelaan Amsterdam. The Netherlands	jef.vandenberghe@vu.nl	

The counts of IGU-CHAR corresponding members by country.

CHAR-IGU 2017-2018 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 Netherlands	6
Ukraine	1
U.S.A.	16
Total	242

## **2. Meetings**

### **2.1 Major Events**

Main meetings IGU-CHAR commission organized were connected with two IGU Conferences, Thematic IGU Conference “Practical Geography and Challenges of the 21st Century” held on 4-6 June 2018 in Russia, Moscow, dedicated to the Centennial of the Institute of Geography of the Russian Academy of Sciences (<http://100igras.ru/en/>) and the IGU Regional Conference “Appreciating Difference” held in Quebec, Canada on 6-8 August 2018 (<http://igu2018.ulaval.ca/program-activities-photos/theme-and-goals>).

Our commission session theme during the IGU Thematic Conference was “Cold & High Altitude Regions challenges and solutions for achieving sustainability”. It was prepared with the help from our several Steering Committee (SC) and Corresponding members (CM). More than 30 presentations were selected and published in the book PRACTICAL GEOGRAPHY AND XXI CENTURY CHALLENGES. International Geographical Union Thematic Conference Part 1., Vol.1. Institute of Geography, Russian Academy of Sciences, Moscow: - 2018. DOI:10.15356/IGRAS100CONF\_V1. The IGU-CHAR chair also contributed to the work of the Programme committee of the Conference and Andrey Petrov (USA representative to the IGU-CHAR SC) made the presentation at the Opening ceremony. His presentation was devoted to the benefits of IGU-CHAR cooperation with the International Arctic Social Science Association (IASSA), the observer to the Arctic Council.

The role of scientific investigations, especially international and interdisciplinary ones, in achieving sustainability and resilience in the Arctic, Antarctic and High Altitude Regions experiencing rapid social, ecological and geopolitical changes and transformation, were discussed at this thematic conference during the IGU-CHAR commission session. Discussion on the ways of bringing scientific results, including methods of local people participation in both biophysical and social sciences research, to the public and decision-makers for planning of a sustainable future was particularly valuable. Many reporters underlined that sustainability and resilience of complex socio-ecological systems is becoming a primary focus of different branches of geographical science from geotectonic to geopolitical science from diverse lenses and at different geographical scales - global, pan-arctic, national, regional, community, ecosystem and landscape. In reality, the consensus between different branches of sciences and stakeholders is achievable through activities such as the implementation of Environment Impact Assessments with public hearings, strategic planning with local residents participation,

as well as long-term sustainability monitoring of key issues and the definition of sustainability indicators. It was underlined that monitoring sustainability and resilience of integrated socio-ecological systems through indicators serves several goals: (1) It focuses on interactions between social and ecological domains, built environments and resilient socio-ecological systems; (2) it increases learning and knowledge capacities of local communities and their ability to shape change; (3) will help to plan for a sustainable future.

Participants from Canada, Russia, USA, Poland, France both social and physical geographers participated in these two sessions. They pointed attention on aspects of the role of diversity (biodiversity, cultural, social, economic diversification, mixed economies, multi-scaled governance, etc) in promoting sustainability in the Arctic. It was agreed that recognizing difference and diversity of the integrated socio-ecological systems in the extreme environments of the Arctic is of specific importance. Successful examples of building diversity were provided and discussed.

In the opening Tatiana Vlasova's Chair presentation "IGU-CHAR commission role in diversity of scientific international initiatives for achieving Arctic sustainability" it was shown that the IGU-CHAR commission is deeply involved in Arctic research and education. The merging of International Council of Scientific Unions (ICSU) and the International Social Science Council (ISSC) to create the International Science Council (ISC) especially needs interdisciplinary geographical approaches demolishing the walls between natural and social sciences. Moreover geographers from IGU-CHAR could really help the ISC in tackling pan-arctic and global problems. In cooperation with diverse Arctic international scientific organizations such as the International Arctic Science Committee (IASC), working with the International Arctic Social Science Association (IASSA) and the University of the Arctic (UA) committed to higher education and research in the Arctic, IGU-CHAR plays one of key roles in building sustainable and resilient Arctic socio-ecological systems. The role of the IGU-CHAR in the diversity of the Arctic Scientific organizations for effective implementation of the International Arctic Science Agreement was underlined in her presentation.

During this regional conference special attention was attracted to presentations of IGU-CHAR CM Antonina Savvinova and Viktoriya Filippova and Vyacheslav Shadrin from the Siberian Branch of Russian Academy of Sciences) in co-author with IGU-CHAR SC Canadian member Gail Fondahl (University of Northern British Columbia, Canada) devoted to using Arctic Social Indicators for "Ethnological Expertise" Assessments in Siberia (the Case of the Sakha Republic). Also a lot of discussion was initiated by the presentation of Canadian-

Russian team devoted to cartographic approach to decreasing territorial conflicts between indigenous peoples and industry in Southern Yakutia.

IGU-CHAR commission representatives actively participated in the sessions of the Canadian Association of Geographers Indigenous peoples working group organized by Gail Fondahl. The session participants discussed the issues of the indigenous governance of natural resources, community-based monitoring of extractive industries, indigenous well-being.

The Chair of the IGU-CHAR, during the conference participated in two meetings of Chairs with the IGU Executive Committee. Especially the initiative for Sustainable Development goals mapping, proposed by the IGU Secretary General R.B. Singh, was discussed and strongly supported by the IGU-CHAR commission.

## **2.2 IGU-CHAR Commission proposed future meetings and their organization:**

- 2019 Thematic Conference, TRANSFORMATION OF TRADITIONAL CULTURAL LANDSCAPES, Koper, Slovenia on September 24-26 2019.
- 2019 Annual Arctic Frost meeting and Early Career Scientists workshop, USA, October 2019.
- 34<sup>th</sup> INTERNATIONAL GEOGRAPHICAL CONGRESS, 17-21 August, 2020, ISTANBUL;
- The International Congress of Arctic Social Sciences in 2020, Archangelsk, Russia, May-June 2020.

## **3. Networking**

One of the IGU-CHAR Commission priorities is to provide institutional and intellectual support for interdisciplinary, international connectivities through active cooperation with professional associations belonging to Arctic Council observers, such as International Arctic Social Science Association (IASSA), International Arctic Science Committee (IASC), University of the Arctic, Association of Polar Early Career Scientists (APECS). Mechanisms of network cooperation include cooperative agreements, co-organized conferences and shared networks.

USA, IGU-CHAR SC member is the president of IASSA and the IGU-CHAR Chair is the Councilor of IASSA. IGU-CHAR works closely with IASC and its Working Groups to foster interdisciplinary collaboration among Arctic countries. IGU-CHAR SC member- Gail Fondahl is a chaired Social and Human Sciences Working Group of IASC in 2017-2018 and Andrey Petrov is serving as its Vice-Chair now, providing a strong link to that organization. IGU-CHAR also supports the IASC

International Science Initiative in the Russian Arctic (ISIRA) and other similar programs to stimulate international cooperation between Arctic States. .

In 2018 IGU-CHAR, IASSA, and IASC were partners in organizing a number of sessions at POLAR 2018 Conference in Davos, Switzerland on 16–26 June 2018. Three members of the IGU-CHAR SC – Andrey Petrov, Weislav Zaiya and Tatiana Vlasova actively participated in the organization of Arctic Science Summit Week during POLAR 2018. The session titled “Current and future change, sustainability and resilience in the Polar Regions”, was co-lead by the IGU-CHAR commission and gathered a lot of interesting papers (including W. Ziia paper “New Arctic Straits and Islands and their Potential Influence on Human Activity”) which are now recommended to be published in a special issue journals.

Taking into account the integrative role of Geography, especially IGU-CHAR commission in sustainability research and in building resilient Arctic socially-ecological systems, it is especially needed to say about Gail Fondahl role as a member of the Arctic Challenges for Sustainability (ArCS) International Advisory Board from 2017 to present. Also it is valuable to note the Muci D. involvement as consultant climatologist in IPPC under two IPCC emission scenarios – RCP4.5 and RCP8.5 especially in a Siberian area with a subarctic continental climate and the associated environmental threats and societal challenges for Yakutsk City. These results have been disseminated during the *Barcelona Resilience Week. Towards sustainable and resilient cities* (November 12-16, 2018).

It is important to list other numerous polar organizations with which IGU-CHAR is continuing and establishing collaboration. Among them are International Permafrost Association, American Geophysical Union, American Association of Geographers and many other.

#### 4. Publications

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- **Petrov, A.** et al. 2018. Measuring Impacts: A Review of Frameworks, Methodologies and Indicators for Assessing Socio-Economic Impacts of Resource Activity in the Arctic. In Southcott, C. (ed.) Resources and Sustainable Development in the Arctic. Winnipeg: University of Manitoba Press. (in press)
- **Petrov, A.** 2018. Re-Tracing Development Paths: Exploring the Origins and Nature of the 20th Century's Northern Development Paradigms in Russia and Canada. Arctic Yearbook 2018.
- **Vlasova T., Petrov A.,** and Volkov S. 2018. Geography in the International Scientific Cooperation for Achieving Sustainability in the Arctic. Geography, Environment, Sustainability, No. 4. (in press)
- **Petrov, A.** 2018. Inuvialuit Social Indicators: Applying Arctic Social Indicators Framework to Study Well-Being in the Inuvialuit Communities. Northern Review. 47, 167-185
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- Everard, M., Gupta, N., Christopher, A.S., **Tiwari, P.C.,** Joshi, B., Kataria, G., Kumar, S. (2018), Assessing Livelihood-Ecosystem Interdependencies and Natural Resource Governance in Indian Villages in the Middle Himalayas; *Regional Environmental Change*, <https://doi.org/10.1007/s10113-018-1391-x>, pp 1–13
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- **Ziaja W.,** Ostafin K., 2018, *Origin and location of new Arctic islands and straits due to glacial recession*, AMBIO, <https://doi.org/10.1007/s13280-018-1041-z>, 10 pages
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- **Petrov A., Vlasova T., Volkov S., Kaplin N., Korkina V., Hirshberg D., Larsen J.** (2018). Engaging Youth to Envision and Advance Sustainability in Arctic Russia// POLAR2018 SCAR/IASC OPEN SCIENCE CONFERENCE, 19 – 23 June 2018, Switzerland, Davos. Book of Abstracts, WSL Institute for Snow and Avalanche Research SLF., 2018, P. 667. ISBN 978-0-948277-54-2
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- **Vlasova T.K., Kaplin N.S., Volkov S.G.** 2018. Monitoring traditional subsistence socio-ecological systems sustainability in the Arctic: The case from Evenkia// IGU Thematic conference. Practical Geography and XXI Century Challenges. — Conference Book Vol.1. — Institute of Geography, Russian Academy of Sciences Moscow, 2018, pp.70–71. DOI: 10.15356/IGRAS100CONF\_V1
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## C16.06 Cultural Approach in Geography

### 1. Members and Participants

#### 1.1. Membership

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## **2. Meetings**

The cultural Approach commission was active in two ways during the Québec Conference. First, it generates 5 sessions on 4 thematic, in addition to an open session:

- 1- Commerce and Culture
- 2- Geography of Popular Cultures
- 3- Mobilities vs E-Mobilities
- 4- Geography of Death (2 sessions)

It was well attended to hear the 22 presentations. Second, a commission meeting was held to elect a new steering committee.

## **C16.07 Dynamics of Economic Spaces**

### **1. Membership**

#### **1.1. Steering Committee:**

The Steering Committee of the IGU Commission on the Dynamics of Economic Spaces (CDES) consists of twelve members from different countries (Australia, Canada, Germany, Hungary, New Zealand, Norway, Poland, Singapore, Slovak Republic, The Netherlands, Turkey, US). The steering committee contains three women and nine men and has representatives from Europe, North America, Australia and Asia. The current members of the Steering Committee are listed as follows:

- Chair: Nuri Yavan, Ankara University, Faculty of Language, History and Geography, Department of Geography, Ankara, TURKEY. Email: [nuri.yavan@ankara.edu.tr](mailto:nuri.yavan@ankara.edu.tr)
- Niels Beerepoot, University of Amsterdam. Amsterdam Institute for Metropolitan and International Development Studies, Amsterdam, NETHERLANDS. Email: [n.p.c.beerepoot@uva.nl](mailto:n.p.c.beerepoot@uva.nl)
- Eva Kiss, Hungarian Academy of Sciences, Geographical Institute, Budapest, and West-Hungarian University, Faculty of Economics, Sopron, HUNGARY. Email: [kiss.eva@csfk.mta.hu](mailto:kiss.eva@csfk.mta.hu)
- Hege Knutsen, University of Oslo, Department of Sociology and Human Geography, Oslo, NORWAY. Email: [h.m.knutsen@sosgeo.uio.no](mailto:h.m.knutsen@sosgeo.uio.no)
- Rene Matlovic, University of Presov, Department of Geography and Regional Development, Presov, SLOVAK REPUBLIC. Email: [rene.matlovic@unipo.sk](mailto:rene.matlovic@unipo.sk)
- Charles Mather, Memorial University of Newfoundland, Department of Geography, Newfoundland and Labrador, CANADA. Email: [cmather@mun.ca](mailto:cmather@mun.ca)
- Piotr Pachura, Czestochowa University of Technology, European Faculty of Engineering, Czestochowa, POLAND. Email: [piotr.t.pachura@gmail.com](mailto:piotr.t.pachura@gmail.com)
- Bill Pritchard, University of Sydney, School of Geosciences, Sydney, AUSTRALIA. Email: [bill.pritchard@sydney.edu.au](mailto:bill.pritchard@sydney.edu.au)
- Neil Reid, The University of Toledo, Department of Geography and Planning, Toledo, Ohio USA. Email: [neil.reid@utoledo.edu](mailto:neil.reid@utoledo.edu)
- Michael Roche, Massey University, School of People, Environment and Planning, Palmerston North, NEW ZEALAND. Email: [m.m.roche@massey.ac.nz](mailto:m.m.roche@massey.ac.nz)
- Christine Tamásy, University of Greifswald, Institute for Geography and Geology, Greifswald, GERMANY. Email: [christine.tamasy@uni-greifswald.de](mailto:christine.tamasy@uni-greifswald.de)
- Henry Wai-chung Yeung, National University of Singapore, Department of Geography, Singapore, SINGAPORE. Email: [henryyeung@nus.edu](mailto:henryyeung@nus.edu)

## 2. Meetings

The Commission held and/or participated in the following events during 2017-2018:

### **2.1. IGU Mini-Conference on Rural-Urban Linkages for Sustainable Development: An Economic Geography Perspective, Held in Innsbruck, Austria. July 19-21, 2018. 23 paper presented.**

The mini conference was organized by the Department of Geography of the University of Innsbruck, for three 3 days. 30 delegates from 24 universities in 10 countries were attended to the conference (Figure 2). Participants in the conference were actually quite diverse and rather heterogeneous group of people from universities to regional development agency, and having different background from geographers and regional planners to economists. The conference had two very interesting keynote speakers each day. Also at the end of the conference there was an excursion titled "The City of Innsbruck and its linkages" as well as an excellent social organization as always (See Photo in Annex).

### **2.2. 5th Global Conference on Economic Geography Held in Cologne, Germany, July 24-28, 2018. CDES participated but without a formal session.**

The most of the Commission steering committee members and many commission members participated in 5th Global Conference on Economic Geography in Cologne and presented their research in the conference and talked each other and other geographers at the conference. During the conference, I (as a chair of the commission) informally introduce the commission and urged everyone to join the commission and its activities. But due to the uncertainty, unfortunately no formal session was organized under the commission name.

### **2.3. IGU Regional Conference 2018, Held in Quebec, Canada. 6-10 August 2018. CDES organized three sessions. 13 paper presented.**

There were two dedicated paper sessions and one poster session on the program for the commission at the IGU Regional Conference in Quebec, Canada. 9 papers presented and discussed in each session and chaired by Michael Roche (New Zealand) and Oliver Klein (Germany). 4 paper also presented in the Commission poster session. Michael Roche who is from New Zealand Massey University and member of the commission steering committee, represented the commission at the IGU Quebec meeting.

## 3. 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 2017-2018.
- During 2017-2018, 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.

## **4. 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 16 edited books in the series.

In 2018, CDES has renewed its contract with Routledge 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>) and the Chair of the Commission serves as the Series Editor.

In 2018, one book was published as outcome of the previous conferences held in 2017. Full citation of the book is following:

Heidkamp, C. P., & Morrissey, J. (Eds.). (2018). *Towards Coastal Resilience and Sustainability*. Routledge: London.

Another book is forthcoming as outcome of this year conference. Citation of the book is following:

Kratzer, A.; Kister, J. & Zirkl, F. (Eds.). (Forthcoming). *Rural-Urban Linkages for Sustainable Development*, Routledge: London.

## **5. Commission website:**

The commission's current website is accessible under the following address:  
<http://igu-cdes.ankara.edu.tr/>

## **C16.08 Environmental Evolution**

### **1. Members and Participants**

#### **1.1. Membership**

##### **Steering Committee**

The Chair of the Commission: Dr. Elena Novenko (Russia), M.V. Lomonosov Moscow State University, Faculty of Geography, Department of Physical Geography and Landscape Science,

119991, Moscow, GSP-1, 1 Leninskiye Gory, Phone: +7(495) 939-22-54; Fax +7(495) 939-88-36, e-mail: [lenanov@mail.ru](mailto:lenanov@mail.ru)

The vice chair of the Commission:

Dr. Fahu Chen (China), Professor of Physical Geography and Quaternary Research, Director of MOE Key Laboratory of West China's Environmental System, Vice President of Lanzhou University Research School of Arid Environment and Climate Change Lanzhou University, 222 Tianshuinanlu Lanzhou, Gansu, China 730000, e-mail: [chenfh@lzu.edu.cn](mailto:chenfh@lzu.edu.cn)

The secretary: Dr. Alexander Olchev (Russia) A.N. Severtsov Institute of Ecology and Evolution of RAS, Leninsky Prospect 33, Moscow, 119071, Russia, E-mail: [aoltche@gmail.com](mailto:aoltche@gmail.com)

#### **1.2 The members of Commission's Steering Committee:**

1. Lyudmila S. Shumilovskikh (Germany) Department of Palynology and Climate Dynamic, Georg-August-University Göttingen, e-mail: [shumilovskikh@gmail.com](mailto:shumilovskikh@gmail.com)
2. Toshihiko Sugai (Japan) Dept. Natural Environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo, e-mail: [sugai@k.u-tokyo.ac.jp](mailto:sugai@k.u-tokyo.ac.jp)
3. Rama Prasad (India) Dept. of Geography, University of Rajasthan, Jaipur, e-mail: [ramaprasad10@gmail.com](mailto:ramaprasad10@gmail.com)
4. Maryna S. Komar (Ukraine) Head of the Palaeontological Museum, National Museum of Natural History, National Academy of Sciences of Ukraine, e-mail: [maryna.kom@gmail.com](mailto:maryna.kom@gmail.com)
5. Jiri Chlachula (Czech Republic) Laboratory for Palaeoecology, University Zlin, e-mail: [Altay@seznam.cz](mailto:Altay@seznam.cz)
6. Richard J. Payne (United Kingdom) University of York, Environment Department, Heslington, York. e-mail: [richard.payne@york.ac.uk](mailto:richard.payne@york.ac.uk)
7. Loukas Barton (USA). Department of Anthropology, University of Pittsburgh, e-mail: [loukas@pitt.edu](mailto:loukas@pitt.edu)



8. Ana Bozena Sabogal Dunin Borkowski De Alegria (Peru). Director Maestria Desarrollo Ambiental, Coordinador Sección Geografía en Pontificia Universidad Católica del Perú, e-mail: [asabogal@pucp.pe](mailto:asabogal@pucp.pe)

9. Vaida Seiriene, Institute of Geology and Geography, , Vilnius, Lithuania, e-mail: [seiriene@geo.lt](mailto:seiriene@geo.lt)

### **1.3. The number of commission members in total and by country as of 1 December 2017**

Russia – 145, Belarus -8, Ukraine – 8, Kazakhstan – 3, Azerbaijan -3, Estonia – 1, Lithuania – 3, Kirgizstan – 1, Turkmenistan -1, Germany -15, Czech Republic – 3, Poland -3, Japan – 7, China -25, Israel -1, Australia -1, Great Britain -3, Canada – 1, USA – 6, Netherlands -2, India -3, Chile – 1 Turkey -2. Total - 246

Additionally the participants of each conference and meeting are automatically on the mailing list for 2-3 upcoming events.

## **2. Meetings**

### **2.1. IGU Thematic Conference dedicated to the centennial of the Institute of Geography of Russian Academy of Sciences “Practical geography and XXI century challenges”, Moscow, Russia, 4-6 June 2018**

The IGU Commission on Environment Evolution organized 2 special sessions in a frame of this Conference. In total two sessions included 37 oral and 30 poster presentations. Participants from Russia, Poland, Iceland, China, Japan, Vietnam and Myanmar took part in sessions.

### **2.2. Forthcoming Events**

The meetings or other events you plan to hold in later years:

1. Special session of the Commission in **the 34<sup>th</sup> International Geographical Congress** (2020, Istanbul, Turkey): at least 3 special sessions.

2. International conference “Ecosystem dynamics in the Holocene” with co organizing with Russian Academy of Science, November, 2019, Institute of Geography RAS, Moscow, Russia. The main topic of the conference will be ecosystems response to climate changes, human-environment interaction, landscape dynamics in the Holocene. The planned number of participants is 200-250.

3. A series of three one-day workshops “Landscape dynamics and human-environment interactions in the forest zone of the east European plain during the Holocene: landscape dynamics and land use history”. together with the Commission of Physical Geography of the Russian Geographical Society, Moscow State University, March – April, 2017. The program of each workshop included 3-4 detail oral presentations followed by discussions. The mean number of participants was 25-30.

### **3. Networking**

#### **3.1. Collaboration with other IGU Commissions and Task Forces**

Commission's corresponding members and the members of Commission's Steering Committee had numerous individual contacts with the members of other Commissions IGU, such as IGU Commission of Cold Region Environments (C12.06) and IGU Commission of Karst (C12.23) especially during the IGU scientific actions.

#### **3.2. Collaboration with other international, intergovernmental, and inter- and multi-disciplinary if relevant**

1. The activities of the Commission are carried out in close cooperation with the Northern Eurasia Earth Science Partnership Initiative (NEESPI) that is aimed at developing an enhanced understanding of the interactions between the ecosystem, atmosphere, and human dynamics in northern Eurasia (<http://neespi.org/>).

2. The Environment Evolution Commission has permanent relationship with Commission of Physical Geography of 'Russian Geographical Society', All-Russian non-governmental organization (<http://www.rgo.ru/ru>).

3. The Environment Evolution Commission has relationship with INQUA - International Union for Quaternary Research, Commission on Palaeoclimates (<http://www.inqua.org/>).

4. The Environment Evolution Commission has relationship with Russian Branch of International Association for Landscape Ecology (IALE-Russia). [landscape-ecology.org](http://landscape-ecology.org)

### **4. Publications**

#### **4.1. Special issue of the Journal "Quaternary International"**

The Environment Evolution Commission organizes a special issue of "Quaternary International" dedicated to the topics of Commission's session in frameworks of The 33rd International Geographical Congress in Beijing

Title: Climate change and human-environment interaction from Neolithic to historical times

Guest-editors:

Dr. Elena Novenko,

Department of Landscape Science, Faculty of Geography, Lomonosov Moscow State University,

Dr. Lyudmila Shumilovskikh, Department of Palynology and Climate Dynamics Albrecht-von-Haller-Institute for Plant Sciences, Georg-August-University Göttingen,

Dr., Professor Pavel Tarasov, Institute of Geological Sciences, Freie Universität Berlin, Germany,

The special issue is focused on the long-term studies of landscapes evolution, climate dynamics and human activity in different geographical regions during the Holocene. The Neolithic revolution in the early Holocene promoted the shift from hunting and gathering to agriculture and pasture economy and greatly changed the relationship between humans and

their environments. Started in the Neolithic, a rapid increase of human population led to the rise and fall of ancient civilizations and foundation of modern cultures with continuous human activities affecting their surrounding environments. Having said that, the Holocene climate fluctuations determined directions of human settlement space and therefore strongly influenced cultural evolution. The period of interest deals with an interaction of climate and humans, who changed the nature of biological systems and earth surface processes, and ultimately became a major driver of changes at regional and global scale.

The aim of the special issue was to explore the trajectory of climate change and understand the pattern, mechanisms and evolution of man-environment relationships during the Holocene. The special issue includes papers concerning these problems from multi-disciplinary perspectives, to promote the advancement of research in the field.

The special issue includes 13 papers. All of them are passed per-reviewed processes and available online.

#### **4.1.1. Contents:**

Alexander Syrovatko, Andrei Panin, Alla Troshina, Nataliya Zaretskaya. Magnitude and chronology of extreme floods in the last 2 ka based on the stratigraphy of a riverine archeological site (Schurovo settlement, middle Oka River, Central European Russia)

<https://doi.org/10.1016/j.quaint.2018.10.002>

Migle Stancikaite, Andra Simniskyte, Laura Gedminienė, Vaidotas Kazakauskas, Domas Uogintas. Reconstruction of the Mid- to Late- Holocene history of vegetation and land-use in Petrešiūnai, north-east Lithuania: implications from palaeobotanical and archaeological data

<https://doi.org/10.1016/j.quaint.2017.08.039>

Elena Ponomarenko, Ekaterina Ershova, Pille Tomson, Varvara Bakumenko. A multi-proxy analysis of sandy soils in historical slash-and-burn sites: a case study from Southern Estonia

<https://doi.org/10.1016/j.quaint.2018.10.016>

Georgina Ibarra-Arzave, Elizabeth Solleiro-Rebolledo, Sergey Sedov, Carmen Ortega-Rosas, Maria Guadalupe Sanchez Miranda, Thanairi Gamez, Hermenegildo Barceinas- Cruz, Emmanuel Ayala. Environmental setting of the early irrigation in Oasisamerica: paleopedological evidences from the alluvial palaeosols in la Playa/Sonoran Desert.

<https://doi.org/10.1016/j.quaint.2018.09.041>

Maxim Bobrovsky, Dmitry Kupriaynov, Larisa Khanina. Anthracological and morphological analysis of soils for the reconstruction of the forest ecosystem history (Meshchera Lowlands, Russia)

<https://doi.org/10.1016/j.quaint.2018.06.033>

Elena Novenko, Andrey Tsyganov, Natalia Mazei, Dmitry Kupriyanov, Olga Rudenko, Maxim Bobrovsky, Natalia Erman, Vyacheslav Nizovtsev. Palaeoecological evidence for climatic and human impact on vegetation in the temperate deciduous forest zone of European Russia during the last 4200 years: A case study from “Kaluzhskiye Zaseki” Nature Reserve

<https://doi.org/10.1016/j.quaint.2018.06.028>

Angelica Triana, Sergey Sedov, Salinas Acero, Carolina Moreano Ortiz, Diana Rocio Carvajal Contreras, Oscar Manuel Tovar Reyes, Elizabeth Solleiro-Rebolledo, Jaime Díaz Ortega, Carl Henrik Langabaek Rueda. Environmental reconstruction spanning the transition from hunter/gatherers to early farmers in Columbia: paleopedological and archaeological indicators from the pre-ceramic sites Tequendama and Aguazuque.

<https://doi.org/10.1016/j.quaint.2018.09.048>

Qinghai Xu, Wei Ding, Tian Fu, Chunmei Ma, Pavel Tarasov. Heterogeneous vegetation sensitivity at local and regional scales: implications for pollen-based climate reconstruction

<https://doi.org/10.1016/j.quaint.2018.07.002>

Natalia Ryabogina, Alexander Borisov, Idris Idrisov, Marat Bakushev. Holocene environmental history and populating of mountainous Dagestan (Eastern Caucasus, Russia)

<https://doi.org/10.1016/j.quaint.2018.06.020>

Olga Borisova. Environmental and climatic conditions of human occupation in the central East European Plain during the Middle Holocene: reconstruction from palaeofloristic data

<https://doi.org/10.1016/j.quaint.2018.05.025>

Pavel Tarasov, Larisa Savelieva, Tengwen Long, Christian Leipe. Postglacial vegetation and climate history and traces of early human-impact and agriculture in the present-day cool mixed forest zone of European Russia

<https://doi.org/10.1016/j.quaint.2018.02.029>

Christian Leipe, Franziska Kobe, Stefanie Müller. Testing the performance of sodium polytungstate and lithium heteropolytungstate as non-toxic dense media for pollen extraction from lake and peat sediment samples

<https://doi.org/10.1016/j.quaint.2018.01.029>

Nadezhda Razjigaeva, Larisa Ganzey, Marina Lyashevskaya, Tatyana Makarova, Ekaterina Kudryavtseva, Tatyana Grebennikova, Alexander Panichev, Khikmatulla Arslanov, Fedor Maksimov, Alexey Petrov, Sergei Malkov. Climatic and human impacts on landscape development of the Murav'ev Amursky Peninsula (Russian South Far East) in the Middle/Late Holocene and historical time

## **4.2. Forthcoming publications**

### **Journal GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY**

#### **Special issue “Climate - vegetation interaction: natural processes vs human impact”**

<https://ges.rgo.ru/jour/pages/view/special>

Guest editors:

- 1) Dr. Sc. Elena Novenko (Moscow, Russia)
- 2) Prof. Dr. Pavel Tarasov (Berlin, Germany)
- 3) Dr. Sc. Alexander Olchev (Moscow, Russia)

#### **The special issue “Climate - vegetation interaction: natural processes vs human impact”**

is proposed by the IGU Commission of Environment Evolution and aggregates the key scientific presentations in the commission session at the IGU Thematic Conference dedicated to the centennial of the Institute of Geography of Russian Academy of Sciences (Moscow, Russia, 4-6 June 2018). The special issue is addressed a wide range of scientific problems including the human–vegetation and vegetation-climate interactions in the past, present and future, natural and anthropogenic impacts on forest and grassland ecosystems, effects of forest disturbances on GHG fluxes and climate system, influence of natural processes on GHG fluxes in forest ecosystems, etc. These topics can be considered as a basis for fruitful collaboration of different research teams within the international scientific community investigating environment evolution and interaction of plant ecosystems and the atmosphere in different geographical regions.

Deadline for paper submissions: December 31st, 2018.

## **C16.09 Gender and Geography**

### **1. Membership**

#### **1.1. List of Steering Committee Members**

The Steering Committee of 2018 comprised 11 members, including the Chair and Treasurer, (as compared to 12 members for 2012- 2016).

Prof Lynda Johnston (Chair)

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## **2. Meetings**

- Conference:** Feminist geographies of care and mentoring (prior to the New Zealand Geographical Society / Institute of Australian Geographers combined conference, Co-sponsored with Gender, Place and Culture: A Feminist Geography Journal).

**Venue:** Auckland, New Zealand

**Date:** 10 – 11 July 2018

**No of participants:** 55



- **Conference:** New Zealand Geographical Society / Institute of Australian Geographers combined conference, specialist sessions Gender, Sex, Place and Space: Precarious Geographies.

**Venue:** Auckland, New Zealand

**Date:** 10 – 11 July 2018

**No of participants:** 100

- **Conference:** Feminist Geography In/During Troubled Times Conference (preceding the IGU and Canadian Association of Geographers meetings). IGU Gender Commission sponsored.

**Venue:** Montreal, Canada

**Dates:** 4-6 August 2018

**No of participants:** 70

- **Conference:** 2018 IGU Regional Conference and Annual Meeting of the CAG

**Venue:** Quebec City, Canada

**Dates:** 6 – 10 August 2018

**No. of participants/presentations:** Several sessions (independently and jointly with other commissions)

- **Conference:** 7<sup>th</sup> Global Conference on Gender in Aquaculture and Fisheries (IGU Gender Commission sponsored)

**Venue:** Asian Institute of Technology Conference Centre (AITCC), Bangkok

**Date:** 18 – 21 October 2018

**No. of participants/presentations:** 95 paper presentations, 9 workshops, 15 poster presentations.

- **Conference:** Annual Meeting of the Israeli Geographical Association (Two Sessions on ‘Current Research on Geography and Sexuality’ organised by Chen Misgav and Zeevik Greenberg) **Venue:** Bar-Ilan University, Israel

**Date:** 10 December 2018

**No. of participants/presentations:** 30 participants (8 presentations)

### 3. Networking and communication

a) Means, if any, by which your commission has collaborated with other IGU Commissions and Task Forces in the period 2017-18.

The commission has close connections with the History Commission. At the IGU Regional Conference, in Quebec 6-10 August 2018, Gender Commission members presented in other commission sponsored sessions.

b) Collaboration with other international, intergovernmental, and inter- and multi-disciplinary if relevant.

July 2018: The Commission collaborated with: *Gender, Place and Culture: A Feminist Geography*

*Journal*; the New Zealand Geographical Society (NZGS); the Women and Gender Geography Research Network (NZ); the Women and Gender Geography Study Group (NZ); and, the Institute of Australian Geographers (IAG) to organise the Gendered Geographies of Care and Mentoring Symposium (10 – 11 July 2018) and specialist sessions in the Joint NZGS / IAG Conference, both in Auckland Aotearoa New Zealand.

August 2018: The Commission collaborated with the Canadian Women and Geography (CWAG) specialty group of the Canadian Association of Geographers (CAG) for the Feminist Geography In/During Troubled Times Conference, Montreal, Canada.

October 2018: As part of our support for GAF7, the Commission collaborated with: the Asian Fisheries Society, the Asian Institute of Technology and the Network of Aquaculture Centres in Asia-Pacific; the Australian Centre for International Agricultural Research; WorldFish; the Crawford Fund; Plan International; USAID Oceans and Fisheries; Thailand Convention and Exhibitions Bureau; and 17 partners and supporters from Asia, Australia and beyond.

In addition, various steering committee as well as ordinary members of the Commission regularly attend and organise conference sessions with other international and multi-disciplinary groups, including the main association conferences in the US and UK. For example, members presented research and organised joint paper sessions at the Association of American Geography, and at the Royal Geographical Society (with the Institute of British Geographers) conferences throughout the period 2017 – 2018.

c) Cooperative efforts with ISSC (International Social Science Council) and with ICSU (the International Council for Science) programmes

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

## **4. Publications**

### **4.1. Special Issues**

Following the Feminist Geographies and Intersectionality: Places Identities and Knowledges Conference, at the Autonomous University of Barcelona, July 2016, a themed section on Intersectionality was published in *Gender, Place and Culture: A Journal of Feminist Geography*.

Blidon, Marianne 2018. Reception and the use of intersectionality: A reading from French perspective. *Gender, Place and Culture* 25(4): 591-602.

Blumen, Orna 2018. On the service frontline: Israeli Arab-Palestinian men in a call-center. *Gender, Place and Culture* <https://doi.org/10.1080/0966369X.2018.1503158>

Hopkins, Peter 2018. Feminist geographies and intersectionalities. *Gender, Place and Culture* 25(4): 585-590.

Johnston, Lynda 2018. Intersectional feminist and queer geographies: A view from down-under. *Gender, Place and Culture* 25(4): 554-564.

Mollett, Sharlene and Faria, Caroline 2018. The spatialities of intersectional thinking: Fashioning feminist geographic futures. *Gender, Place and Culture* 25(4): 65-77.

Rodó-de-Zárate, Maria and Baylina, Mireia 2018. Intersectionality in feminist geographies. *Gender, Place and Culture* 25(4): 547-553.

Vaiou Dina 2018. Intersectionality: Old and new endeavours? *Gender, Place and Culture* 25(4): 578-584.

## **5. Archival Contributions**

- Materials and publications transmitted to the IGU archives to the IGU by your commission.
- As noted above, all issues of the IGU Gender Commission's newsletters, beginning with No. 1, November 1988, may be downloaded from the Commission's web site.
- Report prepared by the Chair of the Commission on Gender and Geography Professor Lynda Johnston in consultation with steering group members.

## **6. Website**

The Commission's website is:

<https://igugender.wixsite.com/igugender>

We keep this webpage updated (thanks to Caroline Faria and other YES! steering members).

It is very easy to join the IGU Gender and Geography Commission – just follow the link that says 'join us'.

## C16.10 Geographical Education

### 1. Members and Participants

#### 1.1. 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 2012 – 2016, included a) joint chairs, and b) a concept of a steering committee of “10+” in order to recognise the on-going 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 2016, the effective Steering Group of the Commission may therefore be considered as a core of 10 people consisting of two co-chairs plus eight other members including the Secretary, supported by a panel of (currently) twelve long standing former Steering Group members (including Treasurer) and linked closely with 65 (2013: 51) 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.

#### 1.1.1. The formal statutory 2012 – 2016 Steering Group:

<b>Clare Brooks</b> (Co-Chair) Reader in Geography Education Institute of Education University of London 20 Bedford Way, London WC1H 0AL, UK Email: <a href="mailto:c.brooks@ucl.ac.uk">c.brooks@ucl.ac.uk</a>	<b>Chew-Hung Chang</b> (Co-Chair) Associate Professor, Humanities and Social Studies Education Academic Group National Institute of Education, NIE1-04-06, 1 Nanyang Walk, Singapore 637616 Email: <a href="mailto:chewhung.chang@nie.edu.sg">chewhung.chang@nie.edu.sg</a>
<b>Jongwon Lee</b> (Secretary) Professor, Dept. of Social Studies Education, Ewha Womans University Dept. of Social Studies Education, 52, Ewhayeodae- gil, Seodaemun-gu, Seoul 03760 S. Korea Email: <a href="mailto:jongwonlee@ewha.ac.kr">jongwonlee@ewha.ac.kr</a>	<b>Ali Demirci</b> Professor, Geography Education Specialist Independent scholar 34083, Fatih, Istanbul, Turkey E-mail: <a href="mailto:dmrc.ali@gmail.com">dmrc.ali@gmail.com</a>
<b>Andoni Arenas Martija</b> Associate Professor, Institute of Geography, Pontificia Universidad Católica de Valparaíso, Avenida Brasil 2241. CP 2362807. Valparaíso, Chile. Vice President, Chilean Society of Geographic Sciences, Avda. Vicuña Mackenna N° 4860, Macul - Santiago, Casilla 306 - Correo 22 - Santiago, Email: <a href="mailto:andoni.arenas@pucv.cl">andoni.arenas@pucv.cl</a> / <a href="mailto:andoni.arenas.geo@gmail.com">andoni.arenas.geo@gmail.com</a>	<b>Daniela Schmeinck</b> Professor, Institute of Primary Science and Social Sciences Universität zu Köln, Institut für Didaktik des Sachunterrichts, Albertus-Magnus-Platz 50923 Köln Deutschland, Germany Email: <a href="mailto:Daniela.Schmeinck@uni-koeln.de">Daniela.Schmeinck@uni-koeln.de</a>
<b>David Örbring</b> Doctoral student in Educational Sciences, Lecturer in Human Geography Lund University, Linneaus University Lunds universitet, Campus Helsingborg Institutionen för utbildningsvetenskap Box 882, 25108 Helsingborg, Sweden Email: <a href="mailto:david.orbring@uvet.lu.se">david.orbring@uvet.lu.se</a> / <a href="mailto:david.orbring@lnu.se">david.orbring@lnu.se</a>	<b>Di Wilmot</b> Professor, Dean of Education, Faculty of Education Rhodes University, Grahamstown 6140, South Africa Email: <a href="mailto:D.Wilmot@ru.ac.za">D.Wilmot@ru.ac.za</a>
<b>Gillian Kidman</b> Associate Professor in Science Education Monash University, Room 166, Building 902, Berwick Campus 100 Clyde Road Berwick VIC 3806	<b>Yu Shan Duan</b> Professor, Vice President and Secretary General of Geography Teaching Society of China, Director of Shanghai Geography Education and Teaching

Australia Email: <a href="mailto:gillian.kidman@monash.edu">gillian.kidman@monash.edu</a>	Research Base, Editor-in-chief of journal Geography Teaching East China Normal University, 500 Dongchuan Rd, Shanghai 200241, P.R.China Email: <a href="mailto:ysduan@126.com">ysduan@126.com</a> / <a href="mailto:ysduan@geo.ecnu.edu.cn">ysduan@geo.ecnu.edu.cn</a>
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**1.1.2. The active Advisory panel (10+) of former Chairs and members of the Steering group**  
currently consists of:

<b>Michael Solem</b> (Treasurer) Educational Affairs Director Association of American Geographers 1710 Sixteenth Street NW Washington, DC 20009-3198, USA Email: <a href="mailto:msolem@aag.org">msolem@aag.org</a>	<b>John Lidstone</b> Professor Faculty of Education, Cultural and Language Studies in Education Queensland University of Technology Victoria Park Road Kelvin Grove, Brisbane, Queensland 4059, Australia Email: <a href="mailto:j.lidstone@qut.edu.au">j.lidstone@qut.edu.au</a> Website: <a href="http://staff.qut.edu.au/staff/lidstone/">staff.qut.edu.au/staff/lidstone/</a>
<b>Joop van der Schee</b> Emeritus Professor for Geography Education Faculty Behavioural and Movement Sciences Vrije Universiteit Amsterdam post address: Buitenveldertselaan 3, 1082 VA Amsterdam, The Netherlands E-mail: <a href="mailto:j.a.vander.schee@vu.nl">j.a.vander.schee@vu.nl</a> Website: <a href="http://www.joop.vdschee.nl">www.joop.vdschee.nl</a>	<b>Simon Catling</b> Oxford Brookes University School of Education Harcourt Hill Campus OX2 9AT Oxford United Kingdom Email: <a href="mailto:sjcatling@brookes.ac.uk">sjcatling@brookes.ac.uk</a>
<b>Sarah Bednarz</b> Department of Geography Texas A&M University College Station, Texas 77843-3147 United States Email: <a href="mailto:s-bednarz@tamu.edu">s-bednarz@tamu.edu</a>	<b>Fernando Alexandre</b> Geography Coordinator - Department of Social Sciences S. João do Estoril High School & Education and Development Research Unit Faculty of Sciences and Technology, Lisbon Rua Brito Camacho, 2769-501 Estoril, Portugal Email: <a href="mailto:fernando.alexandre@essie.pt">fernando.alexandre@essie.pt</a>
<b>Osvaldo Muniz-Solari</b> Professor of Geography Department of Geography Texas State University San Marcos, TX 78666, USA Email: <a href="mailto:o.muniz@txstate.edu">o.muniz@txstate.edu</a>	<b>Ivy Tan</b> Associate Professor Humanities & Social Studies Education Academic Group National Institute of Education Nanyang Technological University, Singapore 1 Nanyang Walk, Singapore 637616 Email: <a href="mailto:ivy.tan@nie.edu.sg">ivy.tan@nie.edu.sg</a>
<b>Sibylle Reinfried</b> University of Teacher Education Central Switzerland Lucerne Dep. of Teaching and Learning Froburgstrasse 3 6002 Lucerne Switzerland Email: <a href="mailto:sibylle.reinfried@phlu.ch">sibylle.reinfried@phlu.ch</a>	<b>Sirpa Tani</b> Professor of Geography and Environmental Education Department of Teacher Education, Applied Sciences of Education P.O. Box 9 FI-00014 University of Helsinki, Finland Email: <a href="mailto:sirpa.tani@helsinki.fi">sirpa.tani@helsinki.fi</a>
<b>Joseph Stoltman</b> Department of Geography College of Arts and Sciences Western Michigan University 3219 Wood Hall Kalamazoo MI 49008-5424 USA Email: <a href="mailto:joseph.stoltman@wmich.edu">joseph.stoltman@wmich.edu</a>	<b>Lex Chalmers</b> University of Waikato Geography Hillcrest Road 3240 Hamilton New Zealand Email: <a href="mailto:lex@waikato.ac.nz">lex@waikato.ac.nz</a>

**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.

## 1.2. 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 Journal, *International Research In Geographical And Environmental Education* (IRGEE). The Commission currently has regular communication with 958 people in 84 identified countries compared to 886 people in November 2017. The increase of membership was mainly attributed to adding subscription boxes to the new website. It also enables us to track the changes in number of members through time by region. The following table shows the regions and countries where our members work in.

**Table 1: The Email membership of the Commission on Geographical Education by country as of December 2018**

1.	Albania	1
2.	Angola	1
3.	Argentina	9(1)
4.	Armenia	1
5.	Australia	47(3)
6.	Austria	5
7.	Bangladesh	1
8.	Belarus	2
9.	Belgium	5
10.	Botswana	2
11.	Brazil	31(5)
12.	Bulgaria	4(1)
13.	Cambodia	1
14.	Canada	19(5)
15.	Chile	20
16.	China	44(4)
17.	China - Hong Kong	12(1)
18.	China – Macau	1
19.	China – Taiwan	9
20.	Colombia	9
21.	Croatia	2
22.	Cuba	1
23.	Cyprus	1
24.	Czechia	21
25.	Denmark	9(1)
26.	Egypt	1
27.	Eire	7
28.	Estonia	2
29.	Ethiopia	2
30.	Finland	19
31.	France	5
32.	Germany	72(8)
33.	Greece	5
34.	Hungary	13
35.	Iceland	2
36.	India	15(4)
37.	Indonesia	10(9)
38.	Iran	2
39.	Ireland	7
40.	Israel	12
41.	Italy	11(1)
42.	Japan	35(5)
43.	Kazakhstan	1
44.	Kenya	3(1)
45.	Latvia	1
46.	Lesotho	2
47.	Malaysia	5

48.	Malta	3
49.	Mexico	4
50.	Mongolia	14(1)
51.	Netherlands	29(6)
52.	New Zealand	20(1)
53.	Nicaragua	1
54.	Nigeria	4(1)
55.	Norway	7
56.	Oman	2
57.	Pakistan	2
58.	Philippines	1
59.	Poland	15
60.	Portugal	8
61.	Puerto Rico	2(1)
62.	Romania	2
63.	Russia	7
64.	Singapore	16(1)
65.	Senegal	1
66.	Serbia	1
67.	Slovak Republic	1
68.	Slovenia	3
69.	South Africa	23
70.	South Korea	17(3)
71.	Spain	11(1)
72.	Sweden	14(1)
73.	Switzerland	18
74.	Thailand	2
75.	Trinidad	1
76.	Tunisia	1
77.	Turkey	26
78.	Ukraine	1
79.	United Arab Emirates	3(1)
80.	United Kingdom	105(2)
81.	USA	85(5)
82.	Venezuela	2(1)
83.	Vietnam	2
84.	Zimbabwe	2(1)
85.	Unknown	14(1)

\*( ) indicates number of annual increase of membership 2017-2018

## **2. Meetings and Programmes of work**

### **2.1. The meetings organized by the Commission on Geographical Education 2016 - 2020 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.

The average number of participants in a Steering group meeting was 5-10 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 5.

Apart from the meetings already reported in our earlier annual reports, the major academic meetings of the Commission were:

1. We had skype meetings for steering group and also face-to-face meeting during the CGE conferences.
2. We also had a commission meeting at Lisbon and a commission meeting at Quebec.

### **2.2. Progress on Programmes of Work established in 2016-2020.**

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 2016- 2020.

1. **Increase the visibility of the CGE.** The Commission performs a vital function to support international collaboration, to act as a network for geography education researchers and as an outlet for geography education research. Especially Commission's 2018 meeting in Quebec City and work with the Canadian Association of Geographers for the meeting has raised the visibility in these regions. The Commission has established a foundation for strong online and social media presence. The Commission has newly designed its website to increase the visibility of the CGE. It has not just an updated structure and content, but since it's now a WordPress site, it includes features such as an easy to find RSS feed, the possibility to subscribe to the newsletter directly on the site and a news-blog. The Commission has also been working on Wikipedia and is taking forward developing podcast for geography education community.
2. **Develop the CGE network.** The 2012-2016 Commission has greatly widened the reach and draw of the Commission and the IGU. The 2016 - 2020 Commission will seek to develop this network further. In addition to maintaining a network of Regional Contacts who are clearly

identified on our website ([www.igu-cge.org](http://www.igu-cge.org)) and who act as local hubs for this virtual community, the CGE has established a Facebook page. To date there are 133 regular followers and the number is growing steadily. The potential for outreach through social media is another way that the Commission is raising its visibility. You can find it here: <https://www.facebook.com/igucge/>. The Commission has also started a Twitter account ([igu\\_cge](#)). Participants in the CGE 2018 Conference had an opportunity to network with geographers and geography students from across the globe. From July 31 to August 6, 2018, the 15th International Geography Olympiad (iGeo) was held its activities at Université Laval. The Commission members including Clare Brooks (the co-chair) and Jongwon Lee (the secretary) participated in the poster presentation of the iGeo as the judges and following the network and social event connect the Commission, the local geography community and iGeo participants.

3. **Enhance the quality of geography education research.** The 2016 – 2020 Commission will seek to promote and enhance high quality geography education research through a valuable bibliography of important works in the field. The Commission maintains a Geography Education Collection (<https://goo.gl/e8bvpg> ) that collects information on Geography Education MA, MEd, EDD and PhD theses around the world. This collection will greatly enhance our knowledge about geographical and environmental education. The on-line database is made available for researchers through the IGU-CGE website. The database can be found at <http://www.igu-cge.org/publications/>. In addition, the International Charter on Geographical Education has outlined the key areas of geography education research based on an extensive collation from existing literature and consultation with major stakeholders in geographical education. The Charter has been translated into Chinese, Spanish, German, Portuguese and Russian. There are plans to translate the Charter into more languages such as Japanese, Slovenian, Czech, Korean, Flemish and Dutch so that this will have an international reach.
4. **Diversify the possible outlets for geography education research.** The Commission for Geography Education has an established and respected journal: *IRGEE*. In addition, the Commission has supported a range of other publications (see item 3 above). The 2016 – 2020 Commission will continue 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 traditional publications such as a Commission sponsored series (published through Springer). The Commission book series “International Perspectives on Geographical Education” with Springer has published two books in 2017 and one book in 2018 (<http://www.springer.com/series/15101>). The book series plays an important role in making geography education research accessible to the global community. Publications within the series can be drawn from meetings, conferences and symposiums supported by the Commission. Individual book editors are selected for special editions that correspond to the Commission’s ongoing programme of work and from suitable submissions to the series editors. In this way, research published represents immediate developments within the international geography education community. The series will also seek to support the development of early career researchers in publishing high quality, high impact research accounts.
5. **Further attend to the application to practice.** There is an increasing diversification of research applicable to geography education. However, criticisms have noted that there is a widening gap between the relevance and applicability of this research to the concerns and realities of practitioners. The 2016 – 2020 Commission will seek to support the teaching of



geography around the globe, through developing stronger links with local 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 communities. For instance, the Commission 2018 conference in Quebec City organized workshops focused on teaching practices such as assessment issues and inquiry using smart media.

### **2.3. Additional Projects of the Commission in 2017/18**

1. **The new International Charter on Geographical Education for the 21<sup>st</sup> Century** has been endorsed at the IGC Beijing. This resulted from collaboration with other international groups in the field of geography and education that were discussed at the meetings of IGU, EUGEO and EUROGEO in Rome, Utrecht, Malta and Krakow. This draft was written in close collaboration with representatives from groups of geographers all over the world focusing on geography education. The Charter is now available on the website in English, Chinese and Spanish and there are plans to translate the Charter into other languages. The Commission will continue to sustain its efforts in disseminating the Charter.
2. **Support the International Geographical Union Commission on Geographical Education Olympiad** as an important way to promote geography, to stimulate understanding between young people and to help to improve the quality of school geography worldwide. The 15th International Geography Olympiad (iGeo) was held in Quebec City, Canada, Serbia July 31 – August 6 2017. Especially since this year's iGeo was held in association with the Regional Conference of the IGU, the participants of the Commission conference could observe the poster presentations of the iGeo participants.
3. **International Year of Global Understanding:** The International Year of Global Understanding for 2016 was presented at the Beijing IGC. There was a call for research to bring together social and natural scientists and humanities scholars to gain an understanding of the global impacts of everyday local educations. Geography education plays a vital role in this process. As a result of substantial effort, the Commission on Geographical Education has published an edited book titled "Geography Education for Global Understanding" under the Commission book series with Springer. It covers topics such as climate change, sustainable development goals, geopolitics in an uncertain world, global crisis, and population flows, which are of great interest to geography researchers and social sciences educators who want to explore the complexity of contemporary societies.
4. **History of the Commission:** The Commission started an initiative to document its historical development. Norman Graves & Joseph Stoltman made a first draft of a history of the IGU Commission on Geography Education. The Commission recognises that as with any historical account, it is subjected to multiple interpretations. In our efforts to develop a document that encompasses as many perspectives as possible, members are invited provide input on the draft document. The document has been hosted on the website (see [www.igu-cge.org](http://www.igu-cge.org)).
5. **An international geography assessment project:** The Trends in International Geography Assessment Study 2023 (TIGAS 2023) is an international effort to design and develop a geography assessment based on the successful model used by the International Association for the Evaluation of Educational Achievement (IEA) for the Trends in International Mathematics and Science Study (TIMSS). Major collaborating organizations include the Commission and the IEA/TIMSS. The initial funding for this project is being provided by the Geography Education National Implementation Project and the U.S. National Center for Research in Geography Education. Members of the study group of the TIGAS presented a workshop and progress report at the CGE 2018 International Conference and 2018

IGU/NCGE/CAG conference in Quebec. Additional information is available at <http://www.tigas2023.com>

6. **Work begins on geography curriculum analysis:** A research plan aim to develop a framework to describe and analyze school geography curriculum around the world has been approved by the NCRGE awarding program. The research will have an opportunity to bring practioners together and possible international comparative analysis as well. Chew-Hung Chang, Co-Chair of the Commission, will lead the project. The NCRGE (National Center for Research in Geography Education) is a research consortium committed to the advancement of basic and applied research in geography education at all levels.
7. **Podcast for geography education:** The social media team of the Commission is working on podcast for geography education community and are planning to interview with renowned researchers in geography education. They are planning 6-8 programs (one researcher for one program) and each program will have its own unique topic (e.g., teacher education).

### 3. Networking

1. **Collaboration with IGU Quebec City Organising Committee, the Canadian Association of Geographers, and National Council for Geographic Education** to organise the Geography Education sessions in the International Geographical Union Regional Conference in Quebec City 6-10 August 2018 and the pre-conference symposium from 3-5 August 2018. In addition to the sessions on geographical education within the main conference of “Appreciating Difference”, the Commission worked with the partners to organise a pre-conference symposium that uniquely brings together researchers and practitioners.
2. **Collaboration with iGeo Task Force** to help the local organizers prepare the 15th International Geography Olympiad (iGeo) in Quebec City. Especially, a number of the Commission members participated in the poster presentation of the iGeo as the judge which was held on Friday, August 3<sup>rd</sup> at the Université Laval
3. **Continued Support to the Society for Environmental Map Education** through the 26th Asahikawa Children’s Environmental Map Contest in October 2017. The Commission supported the event through the IGU-CGE Awards for Environmental Map Education, for children who win the contest (<http://www.environmentalmap.org>).

### 4. Publications

1. The Commission published regular newsletters by the WordPress and lodged them on the Commission website ([www.igu-cge.org](http://www.igu-cge.org)).

2. The Commission continues to publish **International Research in Geographical and Environmental Education (IRGEE)** through Taylor and Francis. ISSN: 1038-2046

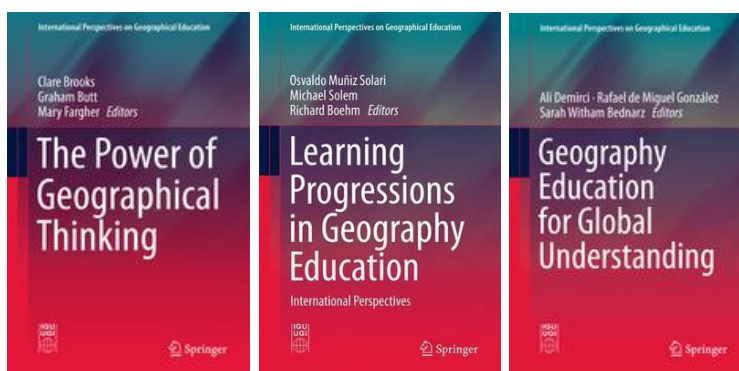
IRGEE is published four times a year and serves four major purposes:

- 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.

3. The Commission publishes a book series “International Perspectives on Geographical Education” through Springer. ISSN: 2367-2773.

There are currently three titles in the series:

- a. Brooks, C., Butt, G., & Fargher, M. (Eds.). (2017). *The Power of Geographical Thinking*. Springer.
- b. Solari, O. M., Solem, M., & Boehm, R. (Eds.). (2017). *Learning Progressions in Geography Education: International Perspectives*. Springer.
- c. Demirci, A., Miguel González, R., & Bednarz, S. W. (Eds.) (2018). *Geography Education for Global Understanding*. Springer.



## 5. 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](http://www.igu-cge.org) for 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.

## 6. Future meetings:

**CGE London, United Kingdom 2019 (15 – 17 April 2019).** The Commission is working with the UK Committee for IGU-CGE to organise the 2019 meeting, the theme of which will be Recontextualising Geography. The collaboration between the Commission, the UK Committee and the UCL Institute of Education is likely to take place in April 2019.

Conference website <https://www.geographymaeducation.com/>

**CGE Prague, Czech Republic (August 2019).** The commission is working with academics from Charles University to organise the 2020 meeting. More information will be available in due course.

## C16.11 Geographical Information Science

### 1. Membership

The GIScience commission had a steering committee of 11 members. This year, the commission recruited members other than steering committee members. Currently, the commission has 16 members from 13 countries. The following list provides the members' names, institutional affiliations and countries.

Daniel Sui	Division of Social, Behavioral and Economic Sciences, National Science Foundation	USA
Fenzhen Su	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China
Jun Xu	Institute of Geography and Natural Resources Research, Chinese Academy of Sciences	China
Francis Harvey	Leibniz Institute for Regional Geography	Germany
Andrej 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 the University of Lisbon	Portugal
Damen P. Dume	Brown University	USA
Felix Kwabena Donkor	University of the Witwaterstrand, Johannesburg-South Africa	South Africa
Mohammad Abu Syem	University of Chittagong	Bangladesh
Motti Zohar	University of Haifa	Israel

### 2. Meetings

#### 2.1 Spatial Data Handling (SDH) 2018 (Moscow, June 7-9, 2018)

The International Symposium on Spatial Data Handling is a biennial international research forum initiated and organized by Commission 16.11. **The 18th International Symposium on Spatial Data Handling** (SDH 2018) was held in Russian State Library on June 7-9, 2018, right after the IGU Thematic Conference. It was hosted by Institute of Geography of the Russian Academy of Sciences and Russian State Library. Olga Solominia, the director of Institute of Geography of RAS, addressed on the opening ceremony. Professor Andrej Medvedeff from our commission chaired the symposium. The theme of the symposium is "Technological challenges and informational challenges" and the topics include: spatial analysis, modeling and data mining; big data and sensor networks; geospatial data quality and data integration; spatial data infrastructures and interoperability; open source and

open data; thematic cartography and multivariate data mapping; remotely-sensed data for mapping. Researchers from different countries reported their research work. The website of the symposium is <http://sdh2018.ru/>.



Registration



Olga Solominia addressing on the opening    Andrej Medvedeff chairing the session

## **2.2 Pattern Recognition in Remote Sensing (PRRA) 2018 (Beijing, August 19-20, 2018)**

**The 10th International Workshop on Pattern Recognition in Remote Sensing (PRRA 2018)** was held in Beijing on August 19-20. It is organized by the Technical Committee 7 (TC Remote Sensing and Mapping) of the International Association for Pattern Recognition (IAPR). The IGU commission on Geographical Information Science co-organized the workshop. The website of the workshop is <http://www.prrs2018.org/>. Professor Fenzhen Su from our commission was the co-chair of the workshop.



Fenzhen Su addressing on the opening of PAAR 2018

### **2.3 Forthcoming meetings**

The commission plans to continue the SDH conference in 2020. The location and dates of the conference are to be decided. A steering committee meeting will be arranged during the IGU Congress in 2020.

### **3. Networking**

The commission on Geographical Information Science has long cooperation with the IGU commission on Modelling Geographical Systems and Commission II of the International Society of Photogrammetry and Remote Sensing (ISPRS). The commission commenced collaboration with expanded the Technical Committee 7 (TC-Remote Sensing and Mapping) of IAPR this year. We organized The PRRA 2018 together this year.

### **4. Publication**

The website of the commission is <http://igugis.lreis.ac.cn/>. News about the commission are 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.

## **C16.12 Geography of Governance**

### **1. Membership**

#### **1.1 Steering Committee 2016-2020**

Carlos Nunes Silva (Commission Chair)  
Institute of Geography and Spatial Planning, University of Lisbon,  
Rua Branca Edmée Marques, Cidade Universitária, 1600-276 Lisboa, PORTUGAL  
E-mail: cs@campus.ul.pt  
igu.geogov@gmail.com  
Web: <https://sites.google.com/a/campus.ul.pt/cns/>

#### **Full members (in alphabetical order by surname):**

Ján Buček  
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Staromonetnyi pereulok 29, 119017 Moscow, RUSSIA  
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Tomasz Kaczmarek  
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## 1.2 Number of commission members

In December 2018, the IGU Commission on Geography of Governance has 557 members, from 68 countries, of which 543 are corresponding members.

ALBANIA	1	JAMAICA	1
ALGERIA	1	JAPAN	10
ANGOLA	1	KENYA	1
ARGENTINA	4	LATVIA	1
AUSTRALIA	11	LESOTHO	1
AUSTRIA	7	LUXEMBOURG	1
BELGIUM	4	MEXICO	1
BOLIVIA	1	MOROCCO	1
BOTSWANA	1	MOZAMBIQUE	1
BRAZIL	5	NAMÍBIA	1
BULGARIA	2	NEPAL	1
CANADA	19	NETHERLANDS	14
CAPE VERDE	7	NEW ZEALAND	6
CHILE	2	NIGERIA	5
CHINA	8	NORWAY	15
COLOMBIA	1	OMAN	2



CROATIA	7	POLAND	25
CUBA	1	PORTUGAL	6
CZECH REPUBLIC	17	ROMANIA	5
DENMARK	3	RUSSIA	13
ESTONIA	1	SENEGAL	1
ETIOPIA	2	SLOVAKIA	10
FINLAND	13	SLOVENIA	2
FRANCE	8	SOUTH AFRICA	24
GERMANY	36	SOUTH KOREA	4
GHANA	1	SPAIN	15
GREECE	4	SWEDEN	9
HONG KONG	2	SWITZERLAND	15
HUNGARY	26	TAIWAN	1
INDIA	3	TURKEY	9
IRAN	1	UNITED KINGDOM	52
IRELAND	10	USA	45
ISRAEL	11	ZAMBIA	1
ITALY	36	ZIMBABWE	1
		TOTAL	557

## 2. Meetings

### 2.1. Meetings organized

#### 2.1.1. 2018 Annual Conference - 'Fifty Years of Local Governance'. University of Lisbon, Portugal, 4-6 September

The 2018 Annual Conference of the IGU Commission on 'Geography of Governance' (IGU-GoG), organized in collaboration with the Institute of Geography and Spatial Planning, University of Lisbon, was held in Lisbon, Portugal, 4 - 5 September 2018. The Conference marked the establishment 30 years ago of the IGU Commission on Geography and Public Administration, after an initial period as a Study Group of the International Geographical Union, from 1984 to 1988. The conference - 'Fifty Years of Local Governance' - revisited the main research issues addressed by the Commission since the mid 1980s and explored the current trends and future challenges confronting local governance in the context of the new global urban agendas. The Conference was organized around two main themes: Theme 1 - Thirty years of Local Governance: revisiting institutional changes, processes and outcomes since the 1980s; Theme 2 - Current trends and future challenges in Local Governance. It was structured in 17 sessions, 1 plenary and 16 panels. Participants in the conference came from 35 countries, from Europe, Africa (North and sub-Saharan), America (North and South), Asia, and Oceania. Participants in the conference work in the broad area of Urban, Local and Regional Studies, Geography, Economy, Political Science, Public Administration, History, other Social Sciences, Arts and Humanities. The Conference joined researchers, students and planners from academia, and from public and private sectors organizations. A document marking the 3 decades of the establishment of the IGU Commission on Geography of Governance, titled "IGU Commission on Geography of Governance: Three decades devoted to the development of the Geography of Public Administration, Public Policy and Local and Urban Governance" is available in the Conference website for download. The 2018 Annual Conference ended with a Post-Conference excursion. A selection of the conference papers is

in the process of being published in international peer-reviewed journals and in book format. A Conference Report, will be published in the International Journal of E-Planning Research.

### **2.1.2. III International Conference 'Urban e-Planning', Lisbon, Portugal, 3-4 April 2018**

The III International Conference on 'Urban e-Planning' was convened by Carlos Nunes Silva (Institute of Geography and Spatial Planning, University of Lisbon, Portugal, and chair of the IGU Commission Geography of Governance), was held in Lisbon, Portugal, on April 3 - 4 2018, and endorsed by the IGU Commission on Geography of Governance. The program included themes pertaining to the core subject of the IGU-CGoG. The conference was also an opportunity for the recruitment of new members for the Commission. More information (program, abstracts, PowerPoint, etc.) is available for download in the conference website: <https://sites.google.com/site/uep2018conference/>

## **2.2. Brief summary of the topics addressed**

The Commission aims to explore, although not limited to, the following themes in its conferences, workshops and panels in the period 2016-2020:

<https://sites.google.com/site/igugeogov/aims>

1. Administrative decentralization and multi-layered governance
2. Local and regional government / governance
3. Urban and metropolitan governance
4. Local and regional government reforms
5. Administrative fragmentation and merger reforms
6. Decentralized cooperation and development
7. Inter-municipal cooperation
8. Cross-border municipal and regional cooperation
9. Governance of spatial planning processes
10. Governance of complex environmental systems
11. Governance in conflict and post-conflict areas
12. Citizen participation in local and regional government
13. Age-, disabled- and gender-responsive approaches in urban, local and regional government policies
14. Administrative systems and local public service delivery
15. Local government finance systems
16. Local Government, the 2030 Agenda for Sustainable Development, and the

### **Habitat-III**

#### **New Urban Agenda**

17. Anthropocene: changes and challenges for urban, local and regional governance
18. The use of ICTs in urban, local and regional governance: e-Government, e-Governance and Citizen e-Participation
19. Transparency, accountability and good governance in local and regional government
20. Big Data and new digital research methods in urban governance

In the main scientific meeting of our Commission in 2018, its Annual Conference - 'Fifty Years of Local Governance' - , Commission' members revisited, explored and discussed the main research issues addressed by the Commission since its establishment in the mid 1980s and explored the current trends and future challenges confronting local governance in the context of the new global urban agendas. The Conference was organized around two main themes: Theme 1 - Thirty years of Local Governance: revisiting institutional changes, processes and outcomes since the 1980s; Theme 2 - Current trends and future challenges in Local Governance. A more detailed description of each of these two main themes is available in the conference website: <https://sites.google.com/site/geogov2018/conference/>

In the other meetings, organized or co-organized by members of the Commission, the approach was more thematically focused but always within the scope given by the list of themes mentioned above.

### **2.3. Meetings planned to hold in 2019 and later years**

#### **2.3.1. Annual Conference - 'Local and Urban Governance: trends, challenges and innovations in a globalizing world', University of Cape Verde, Cidade da Praia, Cape Verde, 4-7 September 2019**

The 2019 Annual Conference of the IGU Commission Geography of Governance on 'Local and Urban Governance: trends, challenges and innovations in a globalizing world' will take place in Cape Verde. It is organized in collaboration with the University of Cape Verde (UNICV), will be held in Cidade da Praia, Cape Verde, on September 4-7, 2019. The Conference aims to explore and to discuss the changes, challenges, and innovations confronting Local and Urban Governance worldwide in the context of the new global urban agendas. It will be a forum for the discussion of the state-of-the-art of research on local and urban governance, in the different regions of the world. Within this overall goal, the 2019 Annual Conference of the IGU Commission on Geography of Governance also aims to provide the opportunity for comparisons between African municipalities and African cities as well as comparisons with those in other regions of the world, in particular in the Global South. The conference is organized into two main tracks: Track 1 - Local and Urban Governance and the New Global Urban Agendas - aims to address and to discuss new trends, innovations, and future challenges in the field of local and urban governance, independently of the world region or continent; Track 2 - Local and Urban Governance in Africa - aims to address and to discuss specific governance issues in the African context, with emphasis given to the history of local and urban governance in the continent, as well as to the possibility to learn from the African experience in the field of territorial governance. More information is available in the Conference website: <https://sites.google.com/view/geogov2019/home>

#### **2.3.2. Meetings with sessions proposed / organised by the Commission**

##### **2.3.2.1. International Conference on: 'Accessibility and Sustainable Tourism', Lecce, Italy, March 2019**

The conference will be organized by Anna Trono (Department of Cultural Heritage, University of Salento, Italy, and member of the IGU-CGoG Steering Committee). More information will be available in the Commission website: <https://sites.google.com/site/igugeogov/>

##### **2.3.2.2. AAG Annual Meeting 2019, Washington DC, USA, 3-7 April 2019**

Eran Razin (Hebrew University, Jerusalem, Israel, and honorary member of the IGU-CGoG Steering Committee) and Carlos Nunes Silva (Institute of Geography and Spatial Planning, University of Lisbon, Portugal, and chair of the IGU Commission Geography of Governance) co-organize four sessions with five papers each in the 2019 Annual Meeting of the AAG - American Association of, in Washington DC, on 3-7 April 2019, under the title "Local Governance and New Challenges in Urban Policy in a Changing World". More information is available in the Commission website: <https://sites.google.com/site/igugeogov/> and in the AAG website: <http://annualmeeting.aag.org/>

2.3.2.3. Conference 'Metropolitan Governance in Poland. Experiences, Effects and Challenges of the inter municipal Cooperation in Metropolitan Areas' (Zarządzanie Metropolitalne w Polsce: doświadczenia, efekty i wyzwania). Poznan, Poland, April 2019.

Tomasz Kaczmarek (Institute of Socio-Economic Geography and Spatial Management, Adam Mickiewicz University, Poland, and member of the IGU-CGoG Steering Committee) will convene and organize this scientific and local self-government conference on the occasion of the 10th anniversary of the Center for Metropolitan Research of the University of Adam Mickiewicz in Poznan. The conference is planned for April 2019. More information will be available in due time in the Commission website: <https://sites.google.com/site/igugeogov/>

2.3.2.4. Workshop on 'New challenges of Decentralisation', Pécs, Hungary, 9-10 May 2019

Ilona Pálné Kovács (Institute for Regional Studies, Centre for Economic and Regional Studies, Hungarian Academy of Sciences, Hungary, and member of the IGU-CGoG Steering Committee) will convene and organize a Workshop on the theme 'New challenges of Decentralisation', in Pécs, Hungary, in the Spring 2019. The aim of the workshop is to discuss the experience of recent territorial reforms. The organization plans to publish a selection of the papers presented. More information is available in the Workshop website: <https://sites.google.com/view/igu-cgog-workshop-pecs2019/home>

2.3.2.5. Conference 'Between Overtourism and Undertourism: Implications and Crisis Management Strategies', Cavallino, Lecce, Italy, June 27-29 2018

Anna Trono (Department of Cultural Heritage, University of Salento, Italy, and member of the IGU-CGoG Steering Committee) is engaged in the organization of the International Conference on: Between Overtourism and Undertourism: Implications and Crisis Management Strategies ( [www.overandundertourism.com](http://www.overandundertourism.com) ) to be held in Cavallino, Lecce, Italy, on June 27-29. This conference is an initiative of the The University of Salento, Italy, in collaboration with the Ludwig-Maximilians-University- Munich, Germany, and the University of Haifa, Israel.

### **2.3.3. Meetings with sessions organised by the Commission**

2.3.3.1. IV International Conference 'Urban e-Planning', University of Lisbon, Portugal, 23-24 April 2019

The program includes themes pertaining to the core subject of the IGU-CGoG and the Conference is endorsed by the IGU Commission on Geography of Governance. It is convened by Carlos Nunes Silva (chair of the IGU Commission Geography of Governance) and it is expected the participation of several corresponding members of the Commission, as happened in the first editions. More information in the Commission website: <https://sites.google.com/site/uep2019conference/>

2.3.3.2. IGU Thematic Conference 'Practical Geography and XXI Century Challenges', Moscow, Russia, June 4-6 2018

The session of the IGU Commission on Geography of Governance “Local Governance for Local Development in the XXI Century: Opportunities and Limitations” was co-convened and co-chaired by Olga Glezer (Institute of Geography, Russian Academy of Sciences, Moscow, Steering Committee member) and Carlos Nunes Silva (Institute of Geography and Spatial Planning, University of Lisbon, Portugal, chair of the Commission). The session explored, compared and retained practical lessons from the changes experienced by local government in different regions of the world, in the Global North as well as in the Global South, with special attention to Russia, in the last quarter century. The session was held on 6

June 2018 and consisted of two timeslots. They included eight oral presentations and one in poster form. Despite the relatively small number of participants, their geographical affiliation was broad: Poland, Hungary, Romania, Italy, Portugal, as well as three participants from Russia. The list of countries in the studies themselves was even more impressive: Poland, Hungary, Romania, Italy, Croatia, Russia and the five Lusophone African countries (Angola, Cape Verde, Guinea-Bissau, Mozambique and Sao Tome and Principe). The presentations were enthusiastically received by the audience. Thus, it is clearly indicated that the aim set by the organizers of the session – to compare and assess the processes taking place in various countries - was more than successfully achieved. Participants of the section accepted the proposal of Olga Solomina and Vladimir Kolosov (Institute of Geography, RS), as the representatives of the organizers of the Conference, to publish their presentations in the form of full-text articles in some Russian geographical journals indexed in the Scopus Database (in English: 'Geography, Environment, Sustainability' and 'Regional Research of Russia'; in Russian: ' Russian Academy of Sciences Bulletin, Geographical Series'). For more information, see the conference website: <http://100igras.ru/en/>  
The full list of presentations in the sessions of the IGU-CGoG and the respective abstracts are available for download in the Commission website.

#### 2.3.3.3. 26th NISPAcee Annual Conference 24-26 of May, Iasi - Working Group on Local Governments (Coordinators: Michiel de Vries & Ilona Pálné Kovács).

Ilona Pálné Kovács (Institute for Regional Studies, Centre for Economic and Regional Studies, Hungarian Academy of Sciences, Hungary, and member of the IGU-CGoG Steering Committee) co-convened this meeting. The focus of the Working Group was on local government, especially on the centralization trend, and also on the attempts to improve the efficiency in local and regional decision making. The working group organized five sessions with 19 papers presented by scholars from several countries (Poland, Romania, Slovenia, Slovakia, Kazakhstan, Russia, The Netherlands, Sweden, Hungary). One of the main topics was the tendency of recentralization in, among other countries, Hungary, Poland, Romania, and Kazakhstan, and VISEGRAD countries. Another major topic discussed was that of local leadership and especially the role of mayors in municipalities. A third topic discussed was local policy making with regard to, among other issues, homelessness, local finances, and local marketing. The last and major topic discussed concerned the impact of size on local government capacity.

#### 2.3.3.4. Workshop on 'Quality Brand for Sustainable Tourism', Lecce, Italy, 24-26 May 2018

The Workshop on “Quality Brand for Sustainable Tourism”. Lecce, 24-26 May was organized by Anna Trono (Department of Cultural Heritage, University of Salento, Italy, and member of the IGU-CGoG Steering Committee), as scientific manager of the international project "Quality Network for Sustainable Tourism" (QNeST) . ADRION Programme. Axis II SO 2.1 (2017-2019). QNeST Project – Quality Network for Sustainable Tourism aims to promote, for tourism purposes, the local cultural heritage (nature, art, handicraft, food, traditions, rites, practices, customs) of the territories of the Adriatic-Ionian Region and enhance their accessibility.

#### 2.3.3.5. AESOP 2018 Congress - 'Making Space for Hope', Gothenburg, Sweden, July 10-14 2018

Peter Schmitt (Department of Human Geography, Stockholm University, Sweden, and member of the IGU-CGoG Steering Committee) co-chaired the track “Governance” at the 2018 AESOP Congress in Gothenburg, Sweden (10-14 July, 2018).

2.3.3.6. NZGS/IAG Conference 2018 - 'Creative Conversations, constructive connections', University of Auckland, New Zealand, July 11-14 2018

The IGU Commission Geography of Governance sponsored the session titled '(Re)turn of the Regions? Deciding Antipodean regional development' proposed by its member Jeff McNeill (School of People, Environment and Planning, Massey University, New Zealand): <https://sites.google.com/site/igugeogov/nzgs-iag2018> The Conference was jointly organized by the New Zealand Geographical Society and the Institute of Australian Geographers, and was held in the University of Auckland, New Zealand, on 11-14 July 2018.

2.3.3.7. IGU Regional Conference - 'Appreciating Difference / Apprécier la difference', Québec City, Canada, August 6-10 2018.

The IGU Commission Geography of Governance (IGU-CGoG) held 5 sessions with 24 presentations (23 oral presentations and 1 poster) in the IGU Regional Conference in Québec City, Canada, in August 6 to 10 2018. All sessions were well attended and the debate was always live and interesting. Some of the papers presented are expected to be published by the Commission. More information about the participation of the Commission in this IGU Regional Conference (full program, abstracts, and a photo gallery) is available in the Commission website, including the full program and abstracts for download.

2.3.3.8. World Social Science Forum 2018 - 'Security and Equality for Sustainable Futures'- Fukuoka, Japan, September 25-28 2018

Yosuke Maeda (Faculty of Education, Niigata University, Japan, and member of the IGU-CGoG Steering Committee) organized a session, with the title 'New governance models for security and sustainability in rural and urban areas', on behalf of the IGU Commission Geography of Governance (IGU-CGoG) and in collaboration with the Geography of Public Affairs and Local Governance section of the Association of Japanese Geographers, in the "World Social Science Forum 2018", that took place in Fukuoka, Japan, September 25-28, 2018. More information is available in the WSSF2018 website: [http://www.wssf2018.org/session-parallel-01-list.html#a\\_c6](http://www.wssf2018.org/session-parallel-01-list.html#a_c6) and in the Commission website.

2.3.3.9. First Workshop 'Nordic Policy Styles in Urban and Regional Governance' (Nordic PoSt): 2018-2019, Stockholm, 18-19 October, 2018

Peter Schmitt (Department of Human Geography, Stockholm University, Sweden, and member of the IGU-CGoG Steering Committee) was part of a consortium responsible for the organization of this workshop. More information is available in the Commission website: <https://sites.google.com/site/igugeogov/>

2.3.3.10. International Conference on 'Perspectives of Local Governments in Central–Eastern Europe – Common Learning and Innovations', Budapest, 15-16 November 2018

The Hungarian Ministry of Interior responsible for local governments organised an international conference on local governance issues in CEE - 'Perspectives of Local Governments in Central–Eastern Europe – Common Learning and Innovations', on 15-16 November 2018, in Budapest. Ilona Pálné Kovács (Institute for Regional Studies, Centre for Economic and Regional Studies, Hungarian Academy of Sciences, Hungary, and member of the IGU-CGoG Steering Committee) was the chair of the organising committee, and one of the plenary speakers. More information is available in the Commission website: <https://sites.google.com/site/igugeogov/>

### **3. Networking**

Networking activities during 2018 focused on sustaining long term developed links with other scientific disciplines, whose members regularly participate in our events. In 2018 we have been engaged in several meetings that attracted numerous new colleagues some of whom became corresponding members of the Commission. Meetings in which the commission was engaged were also endorsed by other organizations, such as the ISOCARP and the APA - American Planning Association - Tech Division. The 2019 annual conference is endorsed by the AAPS - Association of African Planning Schools and by ISOCARP, which is an opportunity to diversify the connections of commission members with colleagues from other related research fields. The session proposed by the Commission for the Social Science Forum 2018, held in Fukuoka, Japan, was done in collaboration with the Association of Japanese Geographers (through its section on "Geography of Public Affairs and Local Governance"). All the other conferences and congresses in which the Commission took part with its own session involves some form of cooperation with other scientific associations (e.g., the IGU Thematic Conference in Moscow; the IGU Regional Conference in Québec; the AAG Annual Meeting in Washington; the NZGS/IAG Congress in New Zealand, and so on). We plan to expand these forms of cooperation during 2019 and later years.

### **4. Publications in 2018 and forthcoming**

The list of publications pertaining to the theme of the Commission on Geography of Governance, authored 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.

#### **4.1. Books published**

- Olsen, D.H. & Trono, Anna (eds) (2018). *Religious Pilgrimage Routes and Trails*, CABI Publisher.
- Silva, Carlos Nunes (ed.) (2018). *New Approaches, Methods, and Tools in Urban E-Planning*. Hershey, PA: IGI Global, 407 pp. (ISBN13: 9781522559993).
- Silva, Carlos Nunes & Trono, Anna (eds.) (2019, forthcoming). *Local Governance and the New Urban Agenda*. Springer (Local and Urban Governance Book Series).
- Šprocha, B., Bleha, B., Vano, B., Buček, Jan (2017). *Perspectives, Risks and Challenges of the Demographic Development in Slovak Large Cities (in Slovak)*. Bratislava: INFOSTAT - Demographic Research Centre, Comenius University and Slovak Academy of Sciences. 256p. ISBN: 978-80-89398-36-2

#### **4.2. Book chapters**

- Adscheid, T. & Schmitt, Peter (2018). *Constructing the sustainable City – Policy mobilities of Swedish sustainable urban development*. In: I. Andersson (ed.). *Globala flöden och lokala praktiker – policymobilitet i tid och rum*, Ymer: Ödeshög, pp. 225-245.
- Trono, Anna (forthcoming). *Designing cultural tourism experiences as a self-reinforcing system*. In D. A. Jelencic & Y. Mansfeld (eds). *Creating and Managing Experiences in Cultural Tourism*. World Scientific Publ.
- Schmitt, Peter & Smas, L. (2018) *Spatial Planning in Sweden: key notions*,

trajectories and challenges, in: Farinós Dasí, J. (ed.) *Territory and States. Essentials for the Coordination of Spatial Planning Policies in the XXIst Century*. Tirant humanidades: Valencia, pp. 597-620.

- Schmitt, Peter & Smas, L. (2019) *Shifting Political Conditions for Spatial Planning in the Nordic Countries*. In: A. Eraydin & K. Frey (eds.) *Politics and Conflicts in Governance and Planning*. Routledge: London and New York, pp. 133-150.
- Trono, Anna & Castronuovo, V. (2018). “Áreas protegidas y turismo sostenible: para una gestión responsable de los recursos naturales en contextos ambientales comprometidos. In Xosé M. Santos-Solla, L. Lopez (eds) *Turismo rural y de naturaleza. Una mirada al mundo*, 2018, pp. 161-180.

#### 4.3. Articles in peer-reviewed international journals and Conference presentations

- Bąkowska, E.; Kaczmarek, Tomasz; Jankowski, P.; Zwoliński, Z.; Mikuła, Ł.; Czepkiewicz, M. & Brudka, C. (2016). Geo-questionnaire in urban planning - preliminary results of the experimental application in Poland, *Rozwój Regionalny i Polityka Regionalna*, 35: 37-54. <https://pressto.amu.edu.pl/index.php/rrpr/issue/view/718>
- Corallo, A.; Trono, Anna; Fortunato, L.; Pettinato, F. & Schina, L. (2018). Cultural Event Management and Urban e-Planning Through Bottom-Up User Participation, *International Journal of E-Planning Research (IJEPR)*, 2018, 7(1), pp. 15-33.
- Czepkiewicz, M.; Brudka, C.; Jankowski, P.; Kaczmarek, Tomasz; Zwoliński, Z.; Mikuła, Ł.; Bąkowska, E.; Młodkowski, M. & Wójcicki M. (2016). Public Participation GIS for Sustainable urban mobility planning: methods, applications and challenges, *Rozwój Regionalny i Polityka Regionalna*, 35: 9–36. <https://pressto.amu.edu.pl/index.php/rrpr/issue/view/718>
- Glezer, Olga (2018). Legal Registration of Municipal Boundaries in Russia: The Needs and Process. Paper presented in the IGU Thematic Conference 'Practical Geography and XXI Century Challenges', Moscow, Russia, June 4-6 2018.
- Glezer, Olga (2018). What is Wrong with Territorial Basis of Local Self-Governance In Russia: Fifteen Years of the Reform. Paper presented in the IGU CGoG Annual Conference 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018
- Kaczmarek, Tomasz & Kociuba, D. (2017). Models of Governance in the Urban Functional areas. Policy Lessons from the implementation of integrated territorial investments in Poland. *Quaestiones Geographicae*, 36(4): 47-64. <https://content.sciendo.com/view/journals/quageo/36/4/article-p47.xml>
- Kaczmarek, Tomasz (2018). Soft planning for soft spaces. Concept of Poznań metropolitan area development – a case study. *Miscellanea Geographica. Regional Studies on Development*, vol. 22 <https://content.sciendo.com/view/journals/mgrsd/ahead-of-print/article-10.2478-mgrsd-2018-0020.xml?rskey=3hleLB&result=1>
- Kaczmarek, Tomasz (2018). Zarządzanie obszarami metropolitalnymi – zagraniczne doświadczenia i ich polskie implikacje (Management of metropolitan areas – foreign experience and their Polish implications.), 2018. *Studia KPZK PAN*, 183. <http://journals.pan.pl/dlibra/publication/123586/edition/107799/content>
- Kolosov, V.A., Ananicheva, M.D., Badenkov Yu, P., Glezer O.B., Zolotokrylin, A.N., Tishkov, A.A., Khlebosolova, O.A., and Tsareva, L.A. (2018). Practical geography and the 21th century challenges (Thematic conference of the International Geographical Union dedicated to the centennial of the Institute of Geography of the



Russian Academy of Sciences), Bulletin of the Russian Academy of Sciences. Geographical Series, No 5 (2018), pp. 115-122 (in Russian)

- Kovács, Ilona Pálné (2018). Battle for Survival of Meso Level Governments in Hungary. Paper presented in the IGU CGoG Annual Conference 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018
- Mikula, Ł. & Kaczmarek, Tomasz (2017). Metropolitan integration in Poland: the case of Poznań Metropolis, *International Planning Studies* 22(1), 30-43. <https://rsa.tandfonline.com/doi/abs/10.1080/13563475.2016.1256191?src=recsys&journalCode=cips20#.W1RC2tIzbIU>
- Mikula, Ł. & Kaczmarek, Tomasz (2018). From marketization to recentralization: the health-care system reforms in Poland and the post-New Public Management concept. *International Review of Administrative Sciences* <https://journals.sagepub.com/doi/abs/10.1177/0020852318773429>
- Razin, Eran (2018). Inter-Municipal Cooperation and Distributional Justice: "The Road to Hell is Paved With Good Intentions" Revisited. Paper presented in the IGU CGoG Annual Conference 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018
- Salmas, Dimitris; Chrysostomos Stylios & Anna Trono (2018). New ICT Tools and Methods for Sustainable Tourism Development and Governance. The Social and Transnational Network Platform Generated by the "Quality Network for Sustainable Tourism- Qnest Project in the Adriatic-Ionian Area. Paper presented in the IGU CGoG Annual Conference 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018
- Schmitt, Peter (2018). A Conceptual and Historical Account of Metropolitan Policy Mobilities Across Europe. Paper presented in the IGU CGoG Annual Conference 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018
- Silva, Carlos Nunes & Anna Trono (2018). Conference Report 'Local Governance in the New Urban Agenda', IGU Commission Geography of Governance, Lecce, Italy, October 19-21 2017'. in *International Journal of E-Planning Research*, Vol. 7 (4): 78-80.
- Silva, Carlos Nunes (2018). Conference Report 'The 2nd International Conference on Urban E-Planning, 2017'. in *International Journal of E-Planning Research*, Vol. 7 (3): 50-51.
- Silva, Carlos Nunes (2018). Governance Cultures in Comparative Perspective: differentiation and harmonization in local self-government institutional models. Paper presented in the IGU Regional Conference 'Appreciating Difference', Québec, Canada, August 6-10 2018.
- Silva, Carlos Nunes (2018). Local Government Reforms in the Five Lusophone African Countries: The Tortuous Path to Local Democracy. Paper presented in the IGU Thematic Conference 'Practical Geography and XXI Century Challenges', Moscow, Russia, June 4-6 2018.
- Silva, Carlos Nunes (2019). Conference Report 'The 3rd International Conference on Urban e-Planning - 2018'. in *International Journal of E-Planning Research*, Vol. 8(1).
- Silva, Carlos Nunes (2019, forthcoming). Conference Report 'Fifty Years of Local Governance', IGU Commission Geography of Governance, Lisbon, Portugal, September 4-5 2018'. in *International Journal of E-Planning Research*, Vol. 8 (3).
- Trono, Anna & A. Grasso (2018). Macro regions and Management of Logistics Structures for a New Scenario in the South-Eastern Mediterranean. Paper presented in

the IGU Thematic Conference 'Practical Geography and XXI Century Challenges', Moscow, Russia, June 4-6 2018.

- Trono, Anna; Mastronuzzi, G. & Ruppi, F. (2019). Thermal tourism in Puglia and Salento from past to present. Some case studies, in EUGEO.

#### **4.4. Book reviews**

- Silva, Carlos Nunes (2018). Book review 'Data and the City'. in International Journal of E-Planning Research, Vol. 7 (4): 81-83.
- Silva, Carlos Nunes (2018). Book review 'Markets, Politics and the Environment: An Introduction to Planning Theory'. in International Journal of E-Planning Research, Vol. 7 (1): 86-88.
- Silva, Carlos Nunes (2019). Book review 'Encounters in Planning Thought'. in International Journal of E-Planning Research, Vol. 8 (1).
- Silva, Carlos Nunes (2019, forthcoming). Book review 'Insurgencies and Revolutions'. in International Journal of E-Planning Research, Vol. 8 (2).

### **5. 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. We use our Commission web page as an archive of the Commission. It provides online open access to all newsletters, photo gallery of our meetings, to the list of conferences and publications, membership, its aims and research themes, as well as an historical overview of the Commission.

### **6. Website**

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>

## **C16.13 Geography of Information, Innovation and Technology**

### **1. Membership**

#### **1.1. Steering Committee**

Tommi Inkinen  
University of Turku  
Brahea Centre/Centre for Maritime Studies  
20014 University of Turku  
Finland  
Vox: +358 400 882 818  
E-Mail: [tommi.inkinen@utu.fi](mailto:tommi.inkinen@utu.fi)  
URL: <http://www.igu-informationssociety.org>

Tommi Inkinen (Chair)  
University of Turku, Finland  
E-mail: [tommi.inkinen@utu.fi](mailto:tommi.inkinen@utu.fi)

Kenji Hashimoto (Vice Chair)  
Waseda University Tokyo, Japan  
E-mail: [hashimoto@waseda.jp](mailto:hashimoto@waseda.jp)

Philippe Vidal (Executive Secretary)  
Université du Havre, France  
Email: [philippe.vidal@univ-lehavre.fr](mailto:philippe.vidal@univ-lehavre.fr)

Stefano di Vita, Politecnico di Milano, Italy  
Email: [stefano.divita@polimi.it](mailto:stefano.divita@polimi.it)

Andreas Koch, University of Salzburg, Austria  
Email: [andreas.koch@sbg.ac.at](mailto:andreas.koch@sbg.ac.at)

Aharon Kellerman, University of Haifa, Israel  
Email: [akeller@univ.haifa.ac.il](mailto:akeller@univ.haifa.ac.il)

Emmanouil Tranos, University of Birmingham, UK  
Email: [e.tranos@bham.ac.uk](mailto:e.tranos@bham.ac.uk)

Tan Yigitcanlar, Queensland University of Technology, Australia  
Email: [tan.yigitcanlar@qut.edu.au](mailto:tan.yigitcanlar@qut.edu.au)

Mark Wilson, Michigan State University, USA  
Email: [wilsonmm@msu.edu](mailto:wilsonmm@msu.edu)

## **Membership**

Currently, there are 123 members on the Commission mailing list. The locations include United States (24), France (13), United Kingdom (13), Germany (11), Australia (7), Japan (6), China (5), Korea (5), Sweden (5), Belgium (4), Finland (4), Italy (4), Canada (3), Greece (3), Israel (3), South Africa (2), Spain (2), Austria (1), Czech Republic (1), Slovenia (1), Singapore (1), Netherlands (1), New Zealand (1), Poland (1) and unknown (7).

## **2. Meetings 2017–2018**

With the move to annual IGU meetings the Commission has been able to develop sessions annually, but has not been able to hold additional meetings while an annual IGU conference is planned. If the schedule reverts to every two years we plan to hold our own meetings in non-IGU years. The 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, at AAG and Regional Studies events during 2017 and 2018. Past and future meetings include:

- 2017 April – Commission supported for three sessions as part of the AAG annual meeting in Boston
- 2017 September – Commission co-organized a full session as part of the Italian Geographers meeting
- 2017 October – Commission organized a full session as part of the Finnish Geographical Society Annual Meeting held in Turku, Finland
- 2018 April – Commission supported for a session as part of the AAG annual meeting in New Orleans.
- 2018 August – IGU regional conference in Quebec, Canada. The commission had 7 sessions, and total of 30 presentations from 12 countries (Belgium, Canada, China, Côte d'Ivoire, Israel, Japan, Finland, France, Poland, Portugal, Spain, USA). There were also 3 poster presentations associated with the commission. Our commission volume was among the largest ones in the Quebec conference.

## **Future Meetings for 2019**

Meeting plans for the future include:

- 2019 April – Commission support for a session as part of the AAG annual meeting in Washington DC.
- 2019 June – Commission organized/co-organizes a meeting in Venice and participates AESOP (Association of European Schools of Planning).

## **3. Networking**

Collaboration occurs with scholarly groups and with two journals. Details include:

- IGU collaboration has been with a number of Commissions including the Commissions on **Cultural Approach in Geography, 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. 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](http://www.igu-informationsociety.org) (or alternatively <https://journals.openedition.org/netcom/2512>).

Commission has updated its website in 2017 with a historical background of the 30-year evolution of the field (and commission itself). The website is also used to disseminate information regarding our up-coming sessions in IGU events.

Commission members have published extensively in the leading journals of the field during 2017–2018. The members have also published books with leading publishers such as Routledge and Springer; and they work actively as editors, editorial board members and reviewers in numerous international journals. Commission chair is also producing a special (smart and intelligent cities) issue for *Journal of Urban Technology* to be published in 2019.

#### 5. Archival Contributions

Our new 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>

## **C16.14 Geography of Tourism, Leisure, and Global Change**

### **1. Membership**

#### **1.1. Commission Steering Committee Members**

The current Commission Steering Committee members are listed in below. The committee contains 6 women and 5 men and has representatives from Europe, Africa, North America, South America, Asia and Oceania. Moreover, it covers major language groups (English, German, Spanish, Portuguese, French, Polish, Chinese, Afrikaans, Swedish, Greek).

Professor Dieter K. Müller (Chair)

Department of Geography and Economic History, Umeå University, 90187 Umeå, Sweden,  
[dieter.muller@umu.se](mailto:dieter.muller@umu.se)

Velvet Nelson

Associate Professor

Department of Geography and Geology, Sam Huston State University, P.O. Box 2148,  
Huntsville, TX 77341, USA, [vnelson@shsu.edu](mailto:vnelson@shsu.edu)

Julie Wilson

Associate Professor

Faculty of Economics and Business, Universitat Oberta de Catalunya, Spain,  
[jwilson2@uoc.edu](mailto:jwilson2@uoc.edu)

Professor Theano Terkenli

Department of Geography, University of the Aegean, University Hill, Geography Building,  
Mytilene, 81 100 Lesbos, Greece, [terkenli@aegean.gr](mailto:terkenli@aegean.gr)

Professor Tim Coles

University of Exeter Business School, Rennes Drive, Exeter, EX4 4PU, UK,  
[T.E.Coles@exeter.ac.uk](mailto:T.E.Coles@exeter.ac.uk)

Professor Xu Honggang

School of Tourism and Management, Sun Yat-Sen University, Guangzhou, China,  
[xuhonggg@mail.sysu.edu.cn](mailto:xuhonggg@mail.sysu.edu.cn)

Professor Gustav Visser

Department of Geography and Environmental Studies Stellenbosch University, South Africa,  
[gevisser@sun.ac.za](mailto:gevisser@sun.ac.za)

Professor Rita de Cássia Ariza da Cruz

Department of Geography, University of Sao Paulo, Brazil, [ritacruz@usp.br](mailto:ritacruz@usp.br)

Professor Maria Gravari-Barbas  
Institut de Recherche et d'Études Supérieures du Tourisme, Paris 1 Panthéon-Sorbonne  
University, France,  
[maria.gravari-barbas@wanadoo.fr](mailto:maria.gravari-barbas@wanadoo.fr)

Marek Wieckowski  
Associate Professor  
Polish Academy of Sciences, Institute of Geography and Spatial Organization, Warsaw,  
Poland, [marekw@twarda.pan.pl](mailto:marekw@twarda.pan.pl)

Dr. Joseph Cheer  
Director, Monash University, Australia & International Tourism Research Unit (AITRU),  
Australia, [Joseph.Cheer@monash.edu](mailto:Joseph.Cheer@monash.edu)

The commission has furthermore some honorary members:

- Prof. Alan A. Lew, Department of Geography, Planning & Recreation, Northern Arizona University, USA, [alan.lew@nau.edu](mailto:alan.lew@nau.edu)
- Prof. Sanette Ferreira Department of Geography and Environmental Studies, Stellenbosch University, South Africa, [slaf@sun.ac.za](mailto:slaf@sun.ac.za)
- Prof. Carolin Funck, Department of Integrated Global Studies, Hiroshima University, Japan, [funckc@hiroshima-u.ac.jp](mailto:funckc@hiroshima-u.ac.jp)
- Prof. Jie Zhang, Department of Land Resource and Tourism, Nanjing University, China, [jiezhang@nju.edu.cn](mailto:jiezhang@nju.edu.cn)
- Prof Alison Gill, Department of Geography, Simon Fraser University, Canada, [agill@sfu.ca](mailto:agill@sfu.ca)
- Assoc. Prof. Anne-Marie d'Hauteserre, Department of Geography, Tourism & Environmental Planning, University of Waikato, New Zealand, [adhautes@waikato.ac.nz](mailto:adhautes@waikato.ac.nz)
- Prof. Jarkko Saarinen, Department of Geography, University of Oulu, Finland, [jarkko.saarinen@oulu.fi](mailto:jarkko.saarinen@oulu.fi)

## 1.2. Commission Members

Since 2008 the Commission member directory has been based on the Commission IGUST -listserv: <http://tech.groups.yahoo.com/group/TourismGeography/>, which substituted a manual listing. Unfortunately, the listserv information does not 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 early 2016. Then 665 individual members could be identified, of which 573 could be related to 73 countries. This year, a new inventory has been made and it can be reported that the number of corresponding members continues to increase. Now 730 corresponding members in 70 countries can be identified. For the first time corresponding members from Ethiopia and Oman could be detected.

## **2. Meetings**

### **2.1. Commission Meetings**

#### **2.1.1.1. IGU meetings**

- **Pre-conference meeting La Malbaie, Quebec, 2-5 August 2018**  
25 paper presentations, 30 participants,
- **IGU Regional Conference, Quebec City, 6-10 August 2018**  
70 paper presentations, 18 sessions, numerous participants

### **2.2. Sponsored meetings (session sponsorship)**

- AAG Annual Meeting 2018, New Orleans, April 10-14, 2018:
- Critical Tourism Studies - Asia Pacific Conference Recentering Critical Tourism Studies, March 4-6, 2018, Yogyakarta, Indonesia
- 5th Global Conference on Economic Geography 2018 in Cologne, Germany, July 24 – 28, 2018.

### **2.3. Brief Summary**

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 summarized in a number of objectives to be addressed in the period until the next IGC in 2020. In accordance a set of *research 'tasks'* have been defined as result of the outcomes of previous conferences;

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 of 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 aims and objectives of the commission

These tasks are 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 have been tied to the Commission's objectives and goals.

**Major Meetings 2017–2020**

	<b>AAG</b>	<b>Vila-seca</b>	<b>AAG</b>	<b>LaMaibaie</b>	<b>Quebec</b>							
	<b>2017</b>	<b>2017</b>	<b>2018</b>	<b>2018</b>	<b>2018</b>							
T1												
T2												
T3												
T4												
T5												
T6												

## 2.4. Commission Meetings 2019

The Commission plans to organize, sponsor or co-sponsor the following meetings during 2019;

- Sustainable Development Conference 2019 (Tourism4SDGs19) taking place from 24-25 January 2019 at Massey University, Auckland, New Zealand.
- AAG Annual Meeting 2019, April 3-7, 2019, Washington, DC
- 8th Nordic Geographers Meeting in Trondheim, Norway, June 16–19 2019
- Deutscher Kongress für Geographie 2019, 25.09. – 30.09.2019 an der Christian-Albrechts-Universität zu Kiel
- IGU Commission meeting “The Production of Space”, 26-31 October 2019, São Paulo, Brazil

### **3. Networking and Communication**

#### **3.1. Collaboration with other IGU Commissions**

During 2018 the Commission had no organized activities with other commissions.

#### **3.2. Collaboration with other organizations**

The Commission co-organized meetings or sponsored sessions in cooperation with the following organizations:

- AAG
- Critical Tourism Studies
- CAG

### **4. Publications**

#### **4.1. Regular Publications**

The Commission is involved in the production of four regular publications.

- 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 vice chair Alan A. Lew is editor 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*.
- 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.
- Commission Geography of Tourism, Leisure and Global Change Newsletter:** The commission newsletter has been published online since 2012 with two issues annually. It is also sent to all corresponding commission members.

#### **4.2. 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:

- Müller D.K. & Więckowski M. (eds.) (2018). *Tourism in Transitions: Recovering Decline, Managing Change*. Cham: Springer.
- Hall, C.M. & Müller, D.K. (eds.) (2018). *Routledge Handbook of Second Home Tourism and Mobility*. London: Routledge

## **5. Archival Contributions**

The Commission's newsletters are to be forwarded to the IGU-archives.

[www.geoekhist.umu.se/om-institutionen/personal/dieter-muller/](http://www.geoekhist.umu.se/om-institutionen/personal/dieter-muller/)

## **6. Commission Web Page**

The Commission maintains a web page at: [www.igutourism.org](http://www.igutourism.org)

## C16.15 Geoheritage

### 1. Membership

The Steering Committee of Commission on Geoheritage (2016-2020) is different with the committee of IGU-COG(2012-2016), and now it insists of 13 members from 10 countries, and they are as following.

Dr.Weï,Dongying	China	Weidy@bnu.edu.cn
José Luis Palacio Prieto	Mexico	palacio@servidor.unam.mx
Yves Girault	France	girault@mnhn.fr
Prof. Lloyd Richardson(Treasurer)	USA	drloyd@sbcglobal.net
Dr.Thandi Nzama	South Africa	atnzama@pan.uzulu.ac.za
Prof.Dr.James Wilson	USA	wilsonjh@msx.umsi.edu
Prof.Wolfgang Eder	Germany	w.eder-geo@hotmail.de
Prof.Nickolas Zouros	Greece	nzour@aegean.gr
Prof. Wang Min(Secretary)	China	wangmin@bnu.edu.cn
Prof. Lynn Moorman	Canada	moorman@mtroyal.ca
Prof. Peter Bobrowsky	Canada	pbobrows@nrcan.gc.ca
Dr.Aleš Smrekar	Slovenia	ales.smrekar@zrc-sazu.si
Dr.Subhash Anand	India	sanandpv@yahoo.co.in
Dr.Daichi Kohmoto	Japan	daichizu@gmail.com

### 2. Meetings

The Commission has had active work and organized some meetings and conferences; the report summarizes the international meetings held in 2018.

### **1.1. EC member meeting**

On March 18-19<sup>th</sup>, 2018, the commission members, Dr. Dongying wei, and Dr. Theresa Coble and Dr. Yves Girault had EC meeting in Beijing and discussed about the publication of the International Journal of Geoheritage and Parks and the editing issues.

### **2.2. 2018 Regional IGU conference in Quebec**

On August 7th, Dr. Wei Dongying did the presentation titled Establishing the Evaluation Index System of Protection Effectiveness for Natural Relic Reserves in China and introduced International Journal of Geoheritage and Parks and the work IGU-COG has done. Dr. Wei Dongying met with and Prof. Yukio Himiyama, Prof. R.B. Singh and Prof. Lynn Mooreman etc and talked about IGU-COG's recent situation and invited them to attend the International Forum on National Parks that would be held in Beijing from Oct 9th to 10th.

### **2.3 International Forum on National Parks**

The theme of the forum is "Sustainable Development of National Parks", which follows the following objectives: We should firmly establish the concept of innovation, coordination, green, openness, and shared development, share the knowledge and experience of sustainable development of national parks, summarize the best cases, promote the implementation and improvement of policies. We should build a platform for political, enterprise and research cooperation in the field of national parks, and promote the establishment of a system of national parks with Chinese characteristics.

Beijing Normal University is one of the earliest universities in China to study in national parks. Faculty of Geographical Science, School of Life Sciences, School of Environment and other related departments have conducted a series of special studies on national parks. Including ecological protection, regional planning, policies and regulations, technical standards, environmental management, and interpretation education, etc. We have successfully hosted many academic activities related to national parks, including national park seminars, "National Park Series Lectures", etc.

In February 2018, Beijing Normal University and National Forestry Administration jointly established the Northeast Tiger Leopard Monitoring and Research Center and the National Park Research Institute of Beijing Normal University. We established the world's largest tiger leopard positioning monitoring network. General Secretary Xi Jinping made important instructions on the "Advice on implementation options of 'China's wild Amur tiger and Northeast leopard protect and restore major ecological projects'" prepared by the Center. The projects hosted and participated by the research team of Beijing Normal University include: National Development and Reform Commission "Research on National Park Publicity and Education Capacity Building" and "National Park Ecosystem and Natural Cultural Heritage Protection Measures and Suggestions", Ministry of Ecology and Environment "National Park System Research" and "Technical Specifications for Monitoring and Assessment of Ecological Environment in Nature Reserves", Ministry of Housing and Urban-Rural Development "Scenic area management technical specification", national key research and

development plan "Ecological protection and management technology of natural heritage sites", etc. Beijing Normal University also presided over the preparation of the "National Park Interpretation System Standard" as the responsible unit. The teachers, students and cooperative units of Beijing Normal University are contributing to the development of the national park.

The International Forum on National Parks gathered together national park administration, institutional pilot and creation unit, research think-tank institution, representative of international research institutions and many friends. We share the experience of sustainable development of national parks, discuss strategies suitable for the development of Chinese national parks, and realize the platform for building international and domestic cooperation in national parks, all of which play an important role in the development of Chinese national parks.

### **3. Networking**

IGU-COG cooperated with UNESCO, IUCN etc. international organizations about geopark programs and also with some national government, like China Ministry of Land and Resources and Ministry of Housing and Rural and Urban Development, 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 development of geoparks, like Xiuwu county in Henan Province, Shangrao City in Jiangxi Province, Taining county in Fujian province etc.

IGU-COG cooperated with Commission on Geography Education and Land Use and Coverage Commission in the past four years. IGU-CoG invited the members of Commission on Geography Education to attend the geopark meetings and conferences and discussed how to integrated Geography education in Geoparks. IGU-COG also has cooperated with LUCC on Environmental Map contest since 2004. IGU-COG encourages the middle school and high school students in China to participate in the environmental map contest organized by LUCC and gave some teachers training on it.

### **4. Publication**

IGU-COG's website is [www.igu-cog.org](http://www.igu-cog.org).

#### **International Journal of Geoheritage and Parks**

The first issue of International Journal of Geoheritage was published in June, 2013 and till now 10 issues has been published. In 2018, Beijing Normal University signed the agreement with Keai Publishing House and the journal will be published by Keai from 2019 and it will become quarterly.

The International Journal of Geoheritage is a, referred, multidisciplinary, international journal concerned with the management, policies, education, tourism, interpretation, economics, protection and sustainable development of global geoheritage. Here, geoheritage includes geoparks, national parks, protected areas, World Heritage sites, and other globally significant sites recognized for their geologic and geographical value. Covering methods and practice of geoheritage studies, the journal explores the ways of conservation and sustainable development of geoheritage. The journal seeks to promote divergent and pluralistic visions, ideas and opinions about geoheritage.

# C16.16 Geomorphology and Society: Past Present and Future

## 1. 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](mailto:sven.fuchs@boku.ac.at)).

The chairs and the Secretary General is supported by the current steering committee:

	Full name	Gender	Country	Institution	E-mail address
Chairperson	Margreth Keiler	Female	Switzerland	Institute of Geography, University of Bern	<a href="mailto:margreth.keiler@giub.unibe.ch">margreth.keiler@giub.unibe.ch</a>
Joint chair	Sanja Faivre	Female	Croatia	Department of Geography, University of Zagreb	<a href="mailto:sfaivre@geog.pmf.hr">sfaivre@geog.pmf.hr</a>
Secretary and Treasurer	Sven Fuchs	Male	Austria	Institute of Mountain Risk Engineering, University of Natural Resources and Life Sciences	<a href="mailto:sven.fuchs@boku.ac.at">sven.fuchs@boku.ac.at</a>
Steering committee member 1	Piotr Migoń	Male	Poland	Institute of Geography, University of Wrocław	<a href="mailto:piotr.migon@uwr.edu.pl">piotr.migon@uwr.edu.pl</a>
Steering committee member 2	Jiun-Chuan Lin	Male	Taiwan	Department of Geography, National Taiwan University	<a href="mailto:jcclin@ntu.edu.tw">jcclin@ntu.edu.tw</a>
Steering committee member 3	Jonathan French	Male	UK	Department of Geography, University College London	<a href="mailto:j.french@ucl.ac.uk">j.french@ucl.ac.uk</a>
Steering committee member 4	Yuichi S. Hayakawa	Male	Japan	Center for Spatial Information Science, The University of Tokyo	<a href="mailto:hayakawa@ccsis.tokyo.ac.jp">hayakawa@ccsis.tokyo.ac.jp</a>
Steering committee member 5	Werner Nel	Male	South Africa	Department of Geography and Environmental Science, University of Fort Hare	<a href="mailto:WNel@ufh.ac.za">WNel@ufh.ac.za</a>

Steering committee member 6	Olav Slaymaker	Male	Canada	Department of Geography, University of British Columbia	olav.slaymaker@ubc.ca
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## 2. Meetings

The precursor IGU Commissions on Geomorphology and Society organised a session on **‘Geomorphic Processes in coupled human and natural systems’** (convenors: Jorge Ramirez (Switzerland), Michael Meadows (South Africa) and Jiun-Chuan Lin (Taiwan) at the 9<sup>th</sup> International Conference on Geomorphology, 6-11 November 2017, in New Delhi, India. During the session 20 international research teams presented their studies and projects, which lead to interesting discussion during and after the sessions.

The **Inaugural Meeting** of the Joint IGU-IAG Commission/Working Group on Geomorphology and Society: Past, Present, and Future took place from **7-8 April 2018 in Vienna, Austria**. This meeting was organized by Jiun-Chuan Lin, National Taiwan University and Margreth Keiler, University of Bern, Switzerland. The field trip was organized by Christine Embleton-Hamann, University of Vienna, Austria, and Sven Fuchs as well as Christopher Lüthgens, both BOKU University, Vienna, Austria. 20 international researchers attended the meeting which was organised as workshop and field trip.

The **next planned meeting** of the joint IGU Commission/ IAG Working Group on Geomorphology and Society will be during the EGU from 8-13 April 2018 in Vienna, Austria. During the splinter meeting on

## 3. 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 organised IGU Commission and IAG Working Group, therefore there is also a closely collaboration with the International Association of Geomorphologists.

## 4. Publications

Further information are available at the website <http://www.geomorphologyandsociety.info>



## **C16.17 Global Change and Human Mobility**

### **1. Membership**

#### **1.1. Members of the Steering Committee**

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## 1.2. The number of Globility Commission members

The total number of members of the Commission is 187 (as of 28 November 2018) and the number of countries involved is 53. The increase in the number of members since 2012 has been 45% (from 129 to 187 members). The number of countries has increased 10.4% at the same time (from 48 to 53 countries).

## 2. Meetings

2.1. The Globility Commission meetings organized during 2017-2018 with summary information on their locations, dates, and number of participants.

Location	Country	Days	Month	Number of sessions	Oral Presentations	Participants (average per session)	Total
La Paz	Bolivia	25	April 2017	1	11	30	30

<b>Brussels</b>	Belgium	6-7	September 2017	1	15	30	30
<b>Québec</b>	Canada	6-10	August 2018	3	13	30	90
<b>Fukuoka</b>	Japan	28	September 2018	1	4	20	20

**2.2.** A brief summary of the topics addressed at each meeting and the findings or conclusions resulting from the discussions if appropriate.

**2.2.1. La Paz Meeting** (2017) was promoted by the IGU Commission Political Geography in collaboration with the IGU Commission Latin American Studies under the title of Geographies for Peace. In the framework of this Conference, the Global Change and Human Mobility Commission organized a session entitled ‘Human mobility resulting from vulnerability in the service of peace’, with the aim to receive contributions on: (i) theoretical and methodological reflections on forced migrations; (ii) analysis of migration as a consequence of the effects of the policies of the sending and receiving migrants states; (iii) challenges of human mobility facing the construction of fortress-spaces (processes of trans-bordering, de-bordering and re-bordering); (iv) transnational, gender and inequalities frameworks on refugees; (v) processes of development and social transformations linked to the refugee settlement; (vi) mobility of the members of NGO and other institutions in charge of humanitarian attention to forced migrants.

The session was combined with one promoted by the Commission on Marginalization, receiving the name of ‘Mobility, marginalization and conflicts’ and their eleven contributions were developed in two slots. Switzerland, Slovenia, Mexico, Argentina, Greece, South Africa, Czech Republic, France and Spain were the countries where the researchers came from. The contributions dealt with civil society vs. globalization and marginalization; armed conflicts as generators of marginalization; marginality and opportunities through action-research and educational practices; the example of Mytilen (Greece) in the reception of refugees; the politics of new regionalism in the bordering of municipalities in South Africa; the marginalization of seasonal migrants in the South of Mendoza (Argentina); the marginalization of Orthodox Ukrainians in Czechia; the theoretical perspective of the local governments as interface between local and international political positions; and the political Spanish role in the context of European Union on the named refugees’ crisis. After the

mentioned presentations, an average number of 40 persons took part in an interesting debate about the role of Europe in front of the refugees' Mediterranean crisis.

**2.2.2. With the name of 'Youth Mobility in Europe'**, the Commission Global Change and Human Mobility participated in Brussels, in the **Six<sup>th</sup> EUGEO Congress** on the Geography of Europe (2017) in collaboration with the HORIZON2020 Research Project YMOBILITY. The 15 contributions, from Latvia, Italy, Spain, Germany, Luxembourg, and Norway, were presented in four slots. The topics under examination were: residential satisfaction and mobility behaviour; youth mobility facing the crisis; policies and initiatives supporting young mobile people in Europe; youth perceptions on agency in mobility structures; youth mobility science dissemination; pan-European identity among young EU citizens; the social, political and economic macro-drivers in European youth mobility; youth mobility in Europe eight years down the economic crisis; aspirations and reality of young returnees; youth mobility and regional development; youth mobility in East Germany, in Spain, in Italy and the regions of provenance of young people in Europe.

*A group of attendants and the Scientific Secretary of Globility in the Brussels Meeting*



### **2.2.3. The Globility Commission organized three own sessions and two joint sessions in the Québec IGU Regional Conference (2018).**

The first session was entitled 'Impact of Population Dynamics on Regional Disparities in Migration'. It had the aim to anticipate a comprehensive interpretation of the factors determining and resulting from processes of human mobility, and of the regional disparities involved. The contributions linked human mobility theories and empirical cases of study with the geographical global changes in an interconnected global world where many people leave their homeland in order to seek for opportunities, to improve their quality of life or to escape from extreme poverty and armed conflicts. Five contributions were presented in this first session; speakers originated from Latvia, Czech Republic, Spain, South Africa, and Portugal. The second session was an open session with contributions on different issues of human mobility by scholars coming from Italy, Japan, Canada, and Switzerland. Finally, in the third open session, three presentations grouped by the geographical provenance of their contributors - Italy, Spain, and Portugal – took place.

The two joint sessions were co-organized with the commissions on Geography of Tourism, Leisure, and Global Change and on Population Geography. The first one - entitled “Revisiting the nexus of tourism and migration” - had the aim of highlighting the blurred boundaries between tourists, retired migrants, returnees, second-home owners and labour migrants in tourist areas. The second one - “Population Mobility in a context of Climate Change” - focused on the links between the issues of migration, development, climate change, and natural hazards.

*Groups of attendants to the Globility sessions in the Québec Meeting*



**2.2.4. In the context of the International Conference ‘World Social Sciences Forum’** held in September 2018 in Fukuoka, Japan, Prof. Yoshitaka Ishikawa (Teikyo University, Japan, past Scientific Secretary of the Globility Commission and current member of its Steering Committee) promoted an invited session by the National Committee of Japan, which is Japan’s affiliate for the International Geographical Union. That session, affiliated with the IGU commission on Global Change and Human Mobility (Globility), was held in the Fukuoka International Congress Center; four papers were presented by scholars from the University of Sydney (Australia), Academia Sinica (Taiwan), University of Shizouka (Japan) and Aichi Gakuin University (Japan) on the issue of migration and social inclusion, in line with the title of the call for papers “Current situation of social inclusion for immigrants”. Twenty participants, including the president of IGU, attended that successfully session.

*Presenters of the invited session on Globility by the National Committee of Japan*



### **2.3. Planned meetings of the Commission to be held in 2019 and topics to be addressed**

For the upcoming **2019 EUGEO Congress** (Galway, Ireland, May 15-18, 2019), in conjunction with the Conference of Irish Geographers, the Globility Commission will propose two own sessions. The first one is entitled 'International Residential Mobilities. New perspectives'. It invites to think about changing trends in international residential mobilities from both theoretical and empirical perspectives in light of the global economic crisis and recent post-crisis trends. The aim is to explore simultaneously the subsequent processes of urban transformation and the mechanisms triggering different forms of international migration and tourism gentrification.

The second is entitled 'BREXIT and human mobility. European scenarios' and has the target of collecting contributions highlighting the relevant concerns on intra-European human mobility as result of the BREXIT process and its expected results.

## **3. Networking, Communication and Dissemination**

**3.1. Networking.** As it has already been mentioned, Globility has kept contacts with other IGU Commissions to promote joint sessions in the IGU congresses or regional conferences, as happened with the IGU Commissions on 'Population Geography', 'Urban Geography', 'Political Geography', 'Latin American Studies', 'Marginalization' and 'Geography of Tourism, Leisure and Global Change'.

The Globility Commission also collaborated with the Commission on Population Geography sending to the Québec organizers a joint proposal from both Commissions (accepted unanimously by the two Steering Committees) suggesting the following candidate for Luminary Speaker: Prof. David LEY, Professor of Geography at the University of British Columbia, although this proposal was regrettably not considered by the Québec organizers.

**3.2. Communication and dissemination.** The most important obstacle to Globility Commission is to promote the organization of meetings out of the context of IGU events, because in recent years, universities around the world have experienced significant financial constraints and especially in less developed countries; these have made difficult for a large number of researchers to take part in the planned meetings, despite their interest in the Commission activities, expressed to the Globility meeting organizers by email.

In the same direction, in December 2018, a special issue of the **BELGEO journal** (indexed in SCOPUS) will be published, with eleven articles already assessed by referees and in the process of layout, on the issue of Youth Mobility. The editors of this special issue are Prof. Armando Montanari and Prof. Josefina Domínguez-Mujica, respectively former and current Chairperson of the Global Change and Human Mobility Commission.

## **4. Publications**

### **4.1. Articles and volumes published**

A list of the articles and volumes published by some of the Globility members on issues of global change and human mobility in the period December 2017 - November 2018, in English and/or their national languages, is the following:



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- Boldú-Hernández, J. and Domínguez-Mujica, J. (2018). Demographic aging and social exclusion in Las Palmas de Gran Canaria degraded worker-class districts. *Estudios Geográficos*, LXXIX, 285.
- Cedrone, M.C., Iaccarino, C., Baldini, E., Cipollone, L., Suppa, M., Bertazzoni, G and the EMAHM Group: Baldini, E., Bertazzoni, G., Cipollone, L., Gazzaniga, V., Grasso, F., Guglielmelli, E., Londei, A., Massetti, P., Montanari, A., Pugliese, F.R., Ricciuto, G.M., Ruggieri, M.P., Suppa, M., Susi, B., Villari, P. (2018). Emergency Department as an epidemiological observatory of Human Mobility: the experience of the Moroccan population. *Italian Journal of Emergency Medicine*, 2. ISSN 2532-1285
- Čipin, I., Klempić Bogadi, S. and Međimurec, P. (2017). Assessing the quality of migration statistics in Croatia. In V. Janeska and A. Lozanoska (Eds.) *La population des Balkans à l'aube du XXIème siècle/ The population of the Balkans at the dawn of the 21st century*. Skopje: Institute of Economics – Skopje, Ss. Cyril and Methodius University in Skopje, 193-204.
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- Fatoric, S., Morén-Alegret, R., Niven, R.J. and Tan, G. (2017). Living with climate change risks: stakeholders' employment and coastal relocation in Mediterranean climate regions of Australia and Spain. *Environment Systems and Decisions*, 37: 276-288.
- Fonseca, M.L., Esteves, A. and McGarrigle, J. (2018). Moroccans in Portugal: The Role of Networks with the Home Country in Migration and Integration Processes. In M. Paradiso (Ed.) *Mediterranean Mobilities: Europe's Changing Relationships*. Springer, 107-116. Doi: 10.1007/978-3-319-89632-8\_9.
- Gallo, G. and Montanari, A. (2018). Coastal and marine tourism: the employment system in Northern Latium at the time of economic crisis. *Regional Statistics*, 7(2), 1-22. doi: 10.15196/RS070204
- Gama Gato, L., and Salazar, N. B. (2018). Constructing a city, building a life: Brazilian construction workers' continuous mobility as a permanent life strategy. *Mobilities*. doi:10.1080/17450101.2018.1466504
- Iorio, S., Migliara, G., di Paolo, C., Mele, A., Prencipe, G.P., Paglione, L., Salvatori, L.M., De Vito, C. and the EMAHM Group: Baldini, E., Bertazzoni, G., Cipollone, L.,

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- Jacobs, S., Adao Do Carmo, K., Petry, D. und Nienaber, B. (2017). *The changing influx of asylum seekers in 2014-2016: Member State responses (country report Luxembourg)*. Luxembourg.
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  - Li, W. and Xu, D. (2018). 多族裔聚居郊区:北美城市的新型少数族裔社区》李唯著·徐昀、李唯译·北京商务印书馆 Translation of *Ethnoburb: the New Ethnic Community in Urban America*. Beijing: Commercial Press.
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  - Lin, J.P. (2018). *The migration of labor between Taiwan and Southeast Asia: changing policies*.
  - Washington D.C.: The National Bureau of Asian Research
  - McGarrigle, J., and Fonseca, M.L. (2018). Urban diversity and inequality: the role of immigration in the socio-spatial organization of Lisbon Metropolitan Area. In T., Caponio, P., Scholten and R. Zapata (Eds.) *The Routledge Handbook to the Governance of Migration and Diversity in Cities*. Routledge, 313-328.
  - Mecartney, S. and Connell, J. (2017). Urban Melanesia: The Challenges of Managing Land, Modernity and Tradition. In S. McDonnell, M. Allen and C. Filer (Eds), *Kastom, Property and Ideology. Land Transformations in Melanesia*. Canberra: ANU Press, 57-84.
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- Zheng, L., Li, W., Li, M.M. and Chen, Y.X. (2018). Destination China: International Students in Chengdu. *International Migration*. doi: 10.1111/imig.12464
- ロイル, ス. (2018). 島の地理学 小さな島々の島嶼性. Tokyo: Hosei University Press. ISBN: 978-4-588-37714-3. (Japanese translation of Royle, S.A. *A Geography of Islands*, Routledge, 2001).

#### 4.2. New accurate URL of the commission's website.

**<http://www.globility.org/>**

The Globility website is run by an IT independent supporter, webmaster, under the supervision of the Chairperson of the Globility Commission, Prof. Josefina Domínguez-Mujica, and under the management of the Scientific Secretary, Dr. Barbara Staniscia. The

website has a new domain since 2014 and, together with the regular e-mails, it represents the major tool for the exchange of information among the members of the Globility Commission.

## **5. Continuation. Statement of the mission of the Commission/Task Force**

The Commission appeals to scholars interested in the issue of change and mobility across the world. Owing to its ability to link locations and societies, human mobility is receiving an increasing academic attention among scholars. The 'Globility' Commission (Global Change and Human Mobility) promotes a new reading and recognition of human mobility in the context of globalization, to deepen in the exchange of knowledge with regard its different forms such as migration and tourism, namely, the diverse practises in which human mobility is displayed through different countries and societies. The geographical perspective allows researchers to find this common nexus as an important issue in the process of interrelation between global phenomena and local manifestations.

## **C16.18 Global Understanding**

### **1. Membership**

#### **1.1. Steering committee**

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## **2. Meetings and events**

### **2.1. Opening Ceremony UNESCO-Chair (May 2, 2018, Jena/Germany)**

On May 2, the UNESCO-Chair on Global Understanding for Sustainability was officially inaugurated at Friedrich Schiller University Jena. Benno Werlen is the first human geographer to hold one of the 700 UNESCO-Chairs worldwide. The chairs, which are awarded within the framework of UNESCO's UNITWIN program since 1992, form a global platform for scientific cooperation and a laboratory for new concepts, as Nada Al-Nashif, assistant director general for social and human sciences at UNESCO, stressed in her welcoming speech. The UNESCO-Chairs are dedicated to international networking of research, teaching and external cooperation in the UN's central fields of action. As regional centers of innovation, they develop new solutions for global challenges. Werlen's appointment as the holder of the new UNESCO-Chair is, therefore, a great honor for the whole discipline of geography, as Joos Drooglee-ver-Fortuijn, first vice-president of the IGU, emphasized. With its integrative research tradition that combines different scientific cultures, its ability to change scale and its firm tradition in the educational system, geography, according to Droogleever-Fortuijn, is virtually predestined for the development of a contemporary understanding of sustainability. To meet this challenge, the new chair can draw on the global network of UNESCO-Chairs and the partnerships with more than 40 regional action centers worldwide, established by the International Year of Global Understanding. In addition to international scientific cooperation, the chair is also embedded in a comprehensive regional academic network, e.g., with sociology, economics, political science, literary studies, history, religious studies or education science. It can thus create important synergies for transdisciplinary sustainability research. The inauguration was attended by more than 100 guests from German-speaking geography and colleagues from Asia, Latin America, North America and Oceania, as well as state officials and UNESCO representatives from Germany.

### **2.2. Project launch event "Heaven-Earth and Habits" (June 30, 2018, Beijing/China)**

On June 30, the Beijing Center for Global Understanding at Beijing Normal University launched a major interdisciplinary project on "Heaven- Earth and Habits". The project is funded by the Chinese Hengyuanxiang Group and will, in the course of the next two years, address topics such as the relationship between heaven-earth and living, production, entertainment, thinking, and social habits. Research will be carried out by colleagues from the humanities and the social sciences. At the launch event, Prof. Bojie Fu (President of the Chinese Geography Society), Prof. Hao Fanghua (Vice President of Beijing Normal University), and Mr. Zhongwei Chen, General Manager of Hengyuanxiang Group, delivered welcoming speeches. Mr. Zongxing Chen, the project leader and the former vice chairman of the Chinese People's Political Consultative Conference, introduced the project framework and its foundation in geography. Prof. Shangyi Zhou, initiator of the project and member of the commission's steering committee as well as director of the Cultural Geography Commission of the Chinese Geographical Society, introduced the structure of the project and its core topics.

### **2.3.Seminar “Nation, globalization and geographical imaginations”**

**(August 2-3, 2018, Buenos Aires/Argentina)**

From August 2-3, Verónica Hollman organized an international seminar on “Nation, Globalization, and Geographical Imaginations” at the Universidad de Buenos Aires. The seminar addressed one of the pressing issues of our time, the re-emerging role of national thinking and national frameworks for everyday practices. As was discussed in the seminar, many scholars have argued in the past that nations have lost their importance in the course of globalization. At the same time, however, the study of some cultural practices has demonstrated that there are contemporary processes that are reinforcing the national issue in the global agenda. During the seminar, 24 researchers from Brazil, Chile and Argentina discussed the geographical imaginations involved in the reconceptualization of nation focusing on how they emerge throughout environmental, touristic, ethnic and territorial appropriation disputes. Besides the 24 researchers directly involved by presenting their research papers, more than 60 people participated in the seminar.

### **2.4.Session “2020s Science Decade of Global Understanding” at the World Social**

**Science Forum (September 23-30, 2018, Fukuoka/Japan)**

At the 2018 World Social Science Forum (WSSF) the commission organized a session on the Science Decade (SDGU) project. The WSSF is the social sciences’ global platform for researchers, funders and policymakers. In 2018, the conference was held under the title “Security and equality for sustainable futures”. The presentation of the commission’s SDGU project was very well attended. Organized by Benno Werlen, the session involved papers by Prof. Yukio Himiyama, President of the IGU, on the question “How can the Global Understanding Initiative Promote Grass-root Activities for Sustainability?”; Prof. Carlos Torres, holder of the UNESCO-Chair for Global Citizenship Education at UCLA (USA), on “Global Understanding to Global Citizenship Education: Civic Education for the Twenty First Century”; and by Benno Werlen on “Global Understanding as a pre-condition for Sustainable Futures. The Aims and claims of the 2020s Science Decade of Global Understanding”. The discussant was Dr. Mathieu Denis, Science Director of the International Science Council (ISC). The comments made by Mr. Denis regarding the proclamation of the SDGU by the ISC were of particular importance. The catalog of questions and suggestions presented by him proved to be very valuable for the project’s further programmatic development. Further suggestions, in particular those from the President of the International Union of Anthropological and Ethnographical Sciences, Prof. Junji Koizumi, Prof. Sander van der Leeuw (2012 United Nations Champion of the Earth for Science and Innovation, Arizona State University), and Prof. Melissa Leach (Director of the Institute of Development Studies, University of Sussex), will form an important basis both for the further elaboration of the SDGU and for the implementation of the program.

### **2.5.Seminar “Transdisciplina e interdisciplina como desafios: Una mirada desde los territorios forestales” (November 30, 2018, Santiago de Chile)**

On November 30, 2018 a seminar on “Transdisciplinarity and interdisciplinarity as challenges: A view from forestry territories” was held at the Universidad de Chile (Santiago de Chile). The event was organized under the auspices of the commission by its steering committee member Enrique Aliste. The interdisciplinary seminar involved presentations by colleagues from the University of São Paulo and the Stockholm Resilience Center (SRC,

Sweden). It was geared to stimulate interdisciplinary exchange between urban and rural geography, political science, economics, and sustainability studies. The papers and discussion contributions covered topics such as the social dimension of agrarian development in Brazil, or the relationship between forestry, climate change, and the financial sector. The format of smaller, thematically focused seminars proved to be highly productive.

## **2.6.Seminar “Natures and cultures in dispute. Perspectives and discussions about the appropriation of nature” (December 4-5, 2018, Santiago de Chile)**

Nature is a key issue in Global Understanding, and understanding the production and appropriation of nature is vital for successful sustainability policies. From December 4-5, a binational seminar at the Pontificia Universidad Católica de Chile addressed the relationship between nature and Global Understanding. Under the auspices of Verónica Hollman, member of the commission’s steering committee, 14 papers from researchers from Argentina and Chile were given. The research projects that were presented involved topics such as the production of new natures through everyday practices, or discourses around environmental conflicts and biosphere reserves in Argentina and Chile. The seminar was well attended and involved more than 20 discussants and critical participants.

## **3. Networking**

### **3.1. Opening Ceremony of the International Science Council (ISC) (July 4-5, 2018, Paris/France)**

From July 4-5, Commission Chair Benno Werlen, attended the inauguration ceremony of the newly founded International Science Council (ISC). The ISC – as a result of the merger of ICSU and ISSC – represents our commission’s main aim of strengthening the integration of the social and the natural sciences in an exemplary way. The attendance of its founding meeting in Paris offered the opportunity to foster existing and establish new partnerships for collaboration with the commission. In particular, support for the initiative on a 2020s Science Decade for Global Understanding (SDGU) was put forward at the event. For instance, intensive and highly productive discussions were held with the UNESCO Directors for Natural Sciences (Dr. Flavia Schlegel) and Social Sciences and Humanities (Nada Al-Nashif), and with the UNESCO Program Officer for Social Sciences and Humanities, Dr. John Crowley. In addition, contacts were established with potential SDGU partners, including the former Director of the London School of Economics, Prof. Craig J. Calhoun (USA), and French President Macron’s Science and Education Advisor, Thierry Coulon.

### **3.2. Taiwan lecture series and SDGU meetings (September 13-23, 2018, Taiwan)**

From September 13-23, Benno Werlen gave a series of lectures and put forward the planned Science Decade for Global Understanding (SDGU) project in Taiwan. The lecture at the Taiwanese Geographical Society was organized in cooperation with the National Taiwan Normal University, National Taiwanese University and the Taiwan-ese Academia Sinica. The event was extremely well attended and proved to be fruitful. In addition to the geographical community, the Geological Society and the humanities and social sciences faculties were also represented. The lecture was followed by a post-colloquium at which the further procedure for initiating the SDGU was discussed with representatives of the above-mentioned institutions. The first result of this discussion was an invitation by the Taiwanese



Minister of Education, Mr. Jiunn-Rong Yeh, to the Ministry of Education in Taipei on 2018 - 09-18, together with the Director of the Institute of Geography, Prof. Su Shew-Jiuan, and the Head of the IYGU Regional Action Center for Taiwan, Prof. Wen-Chen Wang. In the discussion, the strategy for the establishment of a national curriculum “Global Understanding” for all educational levels up to the vocational schools was drafted. The aim of the Taiwan project will be to develop a model for the integration of “Global Understanding” into national education, art, and sustainability policies. In addition to these activities, Benno Werlen gave two lectures on the relationship of “Global Understanding and Global Citizenship” and took part in a workshop at the National Chiao Tung University, Center for Global Citizenship Education in Hsinchu (Taiwan). The international workshop entitled “Sharing Teaching Experience: Teachers & NGOs in Global Citizenship Education” brought together scientists and teachers from 14 countries. Werlen’s opening lecture briefly sketched the program of the SDGU, the second lecture elucidated its theoretical basis in greater detail. After the conference, the University and the Center for Global Citizenship Education declared great interest in becoming the SDGU’s Asian Regional Center for Global Citizenship.

### **3.3. German Council for Sustainable Development (June 4, 2018, Berlin/Germany)**

On June 4, Benno Werlen attended the 18th Annual Conference of the German Council for Sustainable Development in Berlin in order to explore opportunities to further extend and strengthen the IYGU-activities in Germany and raise funds for a long-lasting project based on the commission’s work on Global Understanding. Amongst others, Klaus Töpfer, former UNEP Executive Director and German Environment Secretary, provided advice on funding schemes of the German Foreign Office and the Federal Ministry of Education and Research. Furthermore, representatives of the German Commission for UNESCO offered their support.

## **4. Publications**

- Aliste E.; Folchi M.; Núñez A. (2018): Discourses of Nature in New Perceptions of the Natural Landscape in Southern Chile. In: *Frontiers in Psychology* 9:1177. DOI: 10.3389/fpsyg.2018.01177.
- Bednarz Witham, S.; Demirci, A., de Miguel González, R. (2018) (eds.): *Geography Education for Global Understanding*. Dordrecht: Springer.
- Vintar Mally, K. (2018): Regional differences in Slovenia from the viewpoint of achieving Europe’s sustainable development. In: *Acta Geographica Slovenica* 58, 2, pp. 31-46. DOI: 10.3986/AGS.3309.
- Vintar Mally, K. (2018): Regional disparities in sustainable development of Slovenia – cohesion or marginalization? In: Pelc, S.; Koderman, M. (eds.): *Nature, tourism and ethnicity as drivers of (de)marginalization: insights to marginality from perspective of sustainability and development*, Cham: Springer, pp. 257-269.
- Werlen, B. (2018) *Global Understanding and Global Citizenship*. In: *Global Commons Review* 1, 1, pp. 49-53.
- Werlen, B. (2018): Foreword: A new paradigm for geographical education. In: Bednarz Witham, S.; Demirci, A., de Miguel González, R. (eds.): *Geography Education for Global Understanding*. Dordrecht: Springer, pp. v-viii.

## **5. Commission website**

<https://iguglobalunderstanding.jimdo.com>

## **C16.19 Hazard and Risk**

### **1. Membership**

The following 10 people are the current members of the steering committee (SC).

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There are other 60 corresponding members who regularly receive information via e-mail. The members are from the following countries (number of people in parentheses): Bangladesh (1), Chile (1), China (30), Fiji (1), France (1), India (9), Israel (1), Italy (2), Japan (8), Mexico (1), Nepal (1), Romania (1), Russia (1), Slovenia (1), Taiwan (2), Turkey (1), UK (1) and USA (7)

## 2. Meetings

### 2.1. Sessions at the IGU Regional Conference in Quebec City, Canada (August 6-10, 2018)

Our commission had two sessions in the conference. One is a session entitled “Hazards and Land Degradation”, held jointly with the IGU Commission of Land Degradation and Desertification, on August 8. It had five oral and two poster presentations. The session was chaired by two SC members of our commission: Takashi Oguchi and Alessandro Mondini. The topics of the presented papers and posters include evacuation from approaching tsunami and resilience of coastal communities, landslide detection using SAR images, applications of GIS, dendrochronological applications, desertification and climatic change, and education related to hazards.



*Talk by Alessandro Mondini at the Hazards and Land Degradation session of the IGU Regional Conference in Quebec City, Canada.*

The other session is called “Vulnerability and Ecosystem Services” on August 10, which had three oral presentations. The session was chaired by Takashi Oguchi, and the topics of presentations include speleothem-based paleoclimate reconstruction, mitigation of desertification processes, and karst ecosystem services.

### 2.2. Session at the National Conference on Geographical Science associated with the 25th years anniversary of the establishment of Institute of Geography, Hanoi, Vietnam (November 7-8, 2018)

Our commission organized a session called “Hazard and Risk” within the conference mentioned above, in collaboration with Professor Lai Cam, Institute of Geography, Vietnam.

Although many papers in the conference were presented in Vietnamese, all six papers in the session and an associated keynote lecture by Takashi Oguchi were presented in English, because it was an international session. The six papers focus on typhoons, rainfall, flood inundation, vegetation, climatic change, and coastal management. The keynote speech was entitled “Geographical education in Japan in relation to natural hazards and GIS”. Takashi Oguchi and Professor Yuei-An Lieu, National Central University in Taiwan, chaired the session.



*Talk by Takashi Oguchi at the National Conference on Geographical Science in Hanoi, Vietnam*

**The following events are currently planned:**

**1. Session at the IAG Regional Conference on Geomorphology in Athens, Greece, on September 19-21, 2019.**

The conference will have a session relevant to our commission called “Geomorphological Hazards and Risks”. Our commission will be one of its organizers. Details are being discussed with the organizing committee of the conference.

**2. Co-organizing the ICEO & SI Conference in Tainan, Taiwan, on June 23-25, 2019.**

ICEO & SI (International Conference on Earth Observations and Societal Impacts) is a conference organized mainly by TGEO (Taiwan Group on Earth Observations), held every year. Our commission will be a co-organizer of its 2019 conference, and arrange session(s) related to hazard and risk. Details have not been fixed yet, but some negotiations were already made with Professor Yuei-An Liou, Honorary President of TGEO.

### **3. Co-organizing the ICEO & NH Conference in Hanoi, Vietnam, in mid-November, 2019.**

ICEO & NH (International Conference on Earth Observations and Natural Hazards) is a conference organized mainly by TGEO and the Vietnamese Institute of Geography. The last conference was held in 2017, and will be held again in November 2019. Our commission will be its co-organizer, and like the above-mentioned case of ICEO & SI, some negotiations were made with Professor Yuei-An Liou.

### **3. Networking**

- As indicated above, our commission often communicates with another IGU Commission, Land Degradation and Desertification, to enable joint activities. The current SC members of the two commissions well understand the importance of such collaborations.
- Collaborations with IAG have been realized as mentioned above, and will be strengthened, following the MoU between IGU and IAG. The Chair of our commission, Takashi OGUCHI, has been an executive committee member of IAG for the 2017-2021 period, which facilitates such collaborations.

### **4. Publications**

URL of the website of commission:

[http://oguchaylab.csis.u-tokyo.ac.jp/IGU\\_Hazard/index.html](http://oguchaylab.csis.u-tokyo.ac.jp/IGU_Hazard/index.html)

## **C16.20 Health and Environment**

### **1. Membership**

#### **1.1. Co-Chairpersons:**

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Prof. Paula Santana, Co- Chair (Portugal)  
University of Coimbra/ e-mail: [paulasantana.coimbra@gmail.com](mailto:paulasantana.coimbra@gmail.com)

#### **1.2. Steering Committee Members:**

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Prof. Liliana Dumitrache, Steering Committee Member (Romania)  
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Prof. Yang Linsheng, Steering Committee Member (China)  
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#### **1.3. Honorary Members of IGU CHE**

To honor and recognise their valuable contribution to the scientific field and their longterm leadership the IGU CHE has extended honorary memberships to:

Prof. Yola Verhasselt (Belgium)  
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Prof. David Phillips (Hong Kong)  
Lingnan University / e-mail: [apias@fn.edu.hk](mailto:apias@fn.edu.hk)

Prof. Mark W. Rosenberg (Canada)  
Queen's University / e-mail: mark.rosenberg@queensu.ca

#### **1.4. Health Geography Researcher Network**

Since 2012 the commission has created a Health Geography Researcher Network as a regular sub-commission to enhance the direct interaction between researchers and to specifically reach out to young scientist. The intention of the group is to actively contribute to the exchange in the field of health geography research and teaching and to support health geographers in their early career. Currently 16 researchers are jointly steering the group coordinated by two chairpersons: Eva Pilot (Netherlands) and Claudia Costa (Portugal). The researchers are from the Netherlands, Germany, Portugal, Nigeria, China, France, UK, New Zealand, Malaysia, Argentina, Russia and Brazil. The steering group is composed of 8 female and 7 men.

Some 366 researchers across the globe have joined the Health Geography Researcher Network through the Facebook webpage, in addition to the IGU CHE members.

More information can be found on the International Geographical Union Commission on Health and the Environment Researcher Network homepage <http://www.healthgeography.org/> and on the facebook webpage <https://www.facebook.com/Health-Geography-Researcher-Network-779298652122288/>

#### **1.5. CHE Commission Members list by Country**

The Commission has 445 members from 60 countries. 249 members follow the Commission through the website. 366 follow the Health Geography Researcher Network through the Facebook page. In May 2017 the Commission revised its member list, removing closed email accounts. Therefore, the members list represents the membership status in May 2017. The Facebook followers list was extracted in the 14<sup>th</sup> December 2018. The Commission communication is provided for the listed members and also the Facebook followers.

## **2. Meetings**

### **2.1. In the year 2017**

During 2017-2018 IGU CHE has continued to actively support and/or co-sponsor key meetings and activities for the scientific community. A short overview on the main activities is provided in the following:

#### **2.1.1. National Symposium of Health Geography - GeoHealth 2017, June 27 - July 1, Dourados (Brazil)**

The symposium was organized under the theme "Health on the Border and the Frontier(s) of Health". This theme considers the geographic context of Brazil's extensive international border and the need to broaden the understanding of health-disease processes through different frontiers of knowledge, ethnic, geographical, otherness, humanity. The expected results of the 8th edition of GeoHealth were: deepening the theoretical-practical discussions of Geography and Health, strengthening national and international networks of researchers, and exchanging experiences from different contexts. The relevance of this event is becoming wider since it has significant presence of Latin American researchers.



### **2.1.2. IMGS'2017 Conference, July 2-7, Anger (France)**

The 17th IMGS was entitled “Practicing health and medical geography in 2017”. Three main questions were addressed during the 2 plenary sessions and 63 parallel sessions: 1) How does the diffusion of health care, medical models and practices participate to the globalization process? 2) How does the socio-spatial distribution of health-related resources improve spatial justice? And 3) How does the wide range of methods currently used to collect data impact research in health and medical geography?

The audience was composed of 279 delegates from 30 countries. Like in the previous editions, IMGS has evolved as an excellent platform for young scientists to present and discuss their research and also to present and discuss new ideas and work in progress in an workshop discussion format. Selected papers will be published in *Health and Place* or *Social Science Medicine*. A Business Meeting of the CHE Steering Committee was organized on the 6th of July to know how it is the organization of the 18th IMGS and discuss the location of the 19th IMGS. The Health Geography Researcher Network organized an open meeting on the 4th of July to present the sub-commission and its future activities and invite interested participants - in particular the young scientist - to actively join the network.

### **2.1.3. 14th International Conference on Urban Health, September 26-29, Coimbra (Portugal)**

The overall theme of ICUH2017 was: Health Equity: The New Urban Agenda and Sustainable Development Goals. ICUH2017 received 1380 abstracts considered for evaluation of persons coming from 65 countries, from which 30% were accepted. Thus, the total of 578 communications (oral and posters) represents 55 countries. The top 10 countries of received communications are: India (67), Brazil (66), UK (54), US (52), Portugal (37), Spain (29), Australia (18), Canada (17), China (16), and Germany (15). The Conference was attended by 640 delegates and participants from 65 countries, from those 62% are from high income countries and 38% from low income countries. The plenary sessions encompassed the following themes: i) Integrating work on the SDGs and the New Urban Agenda to improve Health Equity in Cities; ii) Understanding and Addressing Demographic, Epidemiological and Societal Changes in Cities; iii) Urban Governance and Equity-oriented Policies; iv) Healthy Urban Planning, Measurement and Metrics: Data and Research; v) Urban Health Care Systems in Cities – Access, Services and Quality; vi) Environmental Health and Urban Sustainability. Paula Santana, on behalf of IGU CHE, was the President of the Organizing Committee. IGU CHE was also one of the funding partners, supporting financially the participation of young health geographers from Africa in this meeting. Furthermore, during the conference an International Geographical Union meeting took place involving the International Geographical Union's Commission on Health and Environment (IGU CHE) and Sub-Commission (Health Geography Researcher Network). At this meeting two main items were discussed: i) Current status of Planetary Health Initiative, SDG research and Future Earth; ii) Review and update of current working plan for the period 2017-2020.

### **2.1.4. 12th International Seminar on Medical Geography “Health, Ethics and Migration”, December 14-16, Perugia, Italy**

The Seminar focused on the theme of relationships that may arise between "health, ethics and migration", divided into three sessions, the fourth reserved for free contributions on the problems of Medical Geography. It was attended by 72 Colleagues speakers, of which 28 from European and extra-European countries. 43 reports were presented that allowed to examine, in many ways, the methodologies of the scholars of the various scientific fields. These relationships have given rise to interesting discussions that have allowed us to deepen the topics dealt with, and which were reported in the initial part of the volume of Acts. IGU CHE was co-sponsor of this thematic conference.

## **2.2. In the year 2017–2018**

### **2.2.1. Session “Shaping Urban Environments for more Equitable and Healthier Places” on World Health Summit Regional Meeting, 2018, April 19-20, Coimbra (Portugal)**

Paula Santana, on behalf of IGU CHE, co-organized a well-attended thematic session at the World Health Summit Regional Meeting, organized by the M8 Alliance. Four relevant international speakers gave their insight on the topic “Shaping urban Environments for more equitable and healthier places”: Jo Ivey Boufford from the International Society for Urban Health, Monika Kosinska from World Health Organization, Paulo Freitas from Instituto Marquês de Valle Flôr and Steffen Nielsen from Novo Nordisk. More than 100 participants on the Meeting assisted to this session.

### **2.2.2. 2018 Meeting of French Health Geographers, June 14-15, Lyon (France)**

The meeting gathered members of several French networks interested in the links between health and the territory, disregarding their profile or disciplinary entry: Health Commission of the French National Committee of Geography -CNFG, Health and Territories axis of the International College of Sciences of the Territories -CIST and Francophone Review on Health and Territories. Julie Vallée represented the Commission on this event.

### **2.2.3. 12th International Symposium of Geospatial Health, June 4-6, Moscow (Russia)**

The 12th International Symposium of Geospatial Health was organized by the Russian Academy of Sciences, under the theme of “Health Geography”. Svetlana Malkhazova, on behalf of IGU-CHE co-organized the symposium under the auspices of the International Geographical Union (IGU), and was dedicated to the 100th anniversary of the Institute of Geography of Russian Academy of Sciences. The symposium was constituted by 22 oral presentations from several countries (e.g. Russia, Portugal, Italy, the Netherlands, United States of America) exploring significant topics of health geography research. Sessions were chaired by Svetlana Malkhazova, Laura Rinaldi, Fedor Korenny, Robert Bergquist and Sherif Amer. The occasion provided an opportunity to make an overview of international trends in geography’s development, to analyze the growing impact of scientific research internationalization, the aggravation of global problems, changing theoretical paradigms, radical renewal of research methods and predictions’ validity, as well as to strengthen the integration between social and environmental branches of geography.

### **2.2.4. IGU Quebec 2018 Conference, August 6-10, Quebec (Canada)**

During the 34th International Geographical Conference – Accounting for Difference, four oral presentation sessions and one poster session was organized by IGU CHE under the topics: Global Health and Planetary Health: Concepts and Evidence, Health Policy and Systems Research and Urban Environmental Health. Presenters from 11 countries came to those sessions, delivering more than 15 oral presentations.

### **2.2.5. International Seminar Geography & Health: Theory and Method, September 27-28, University of Brasilia (Brazil)**

The Seminar aimed to discuss, through an international vision, the main methods and theories currently used in the field of Health Geography. The event featured national and international speakers from several universities and research institutes in Brazil, Latin America, France, Netherlands, Cuba and Argentina. This seminar allowed the expansion and insertion in the international debate of researchers, professors and undergraduate and graduate students, as well as professionals from different areas that deal with health geography in their daily lives. IGU CHE was co-organizer of this Seminar. Thomas Krafft represented the Commission on this event.

### **2.2.6. Health Geography Tour Workshop 2018, October 10, December 14 (France)**

Two maternity visits have been organized in 2018 by National Committee of Geography of Health (CNFG) and École des hautes études en santé publique (EHESP). These visits to a public and a private maternity allowed the participants to have a closer look on access to Maternity Services in France. Julie Vallée has represented the Commission on those visits.

### **2.2.7. Health, Well-being and Quality of Life Session on Colóquio Ibérico de Geografia 2018, November 5-6, Lisbon (Portugal)**

Paula Santana, on behalf of IGU CHE, co-organized a well-attended thematic session at the Iberian Geography Colloquium (Colóquio Ibérico de Geografia). 52 researchers presented 22 oral presentations organized in 5 sessions. Coming from Portugal and Spain, they presented the results from their research at international, national, regional and local scales. Mortality, Morbidity, Mental Health, Population Health, Built Environment, Access to Health Care and population distribution where some of the topics being presented.

## **3. Networks**

IGU CHE members are actively involved in two international networks, the International Council for Science (ICSU) and the International Society on Urban Health (ISUH). Collaboration with ICSU on 2017-2018 period follow the same activities reported before.

Regarding ISUH, IGU CHE is part of the Scientific Committee of the Annual Conference, supporting its organization, evaluating the quality of the presentations and disseminating the Conference through their members.

## **4. Publications/ Dissemination:**

### **4.1. Books**

Giovanni De Santis (a cura di), Salute, Etica, Migrazione, Dodicesimo Seminario Internazionale di Geografia Medica (Perugia, 14-16.12.2017), Perugia, Guerra Edizioni Edesrl, 2018, ISBN 978-88-557-0627-8.

### **4.2. Journals**

The Revue Francophone sur la Santé et les Territoires aims to increase the visibility of health geographers publication in the francophone academic world and toward the anglophone audience as well. The journal is hosted on the Open Journal Edition platform. 14 papers have been published in 2017 and 2018. More information: <https://rfst.hypotheses.org/>

- A special issue of the Journal Sustainability ([https://www.mdpi.com/journal/sustainability/special\\_issues/challenges\\_and\\_responses\\_to\\_population\\_health\\_and\\_urbanization](https://www.mdpi.com/journal/sustainability/special_issues/challenges_and_responses_to_population_health_and_urbanization)) was published under the topic "Challenges and responses to population health and urbanization in the 21st century". Contributions are mainly from the papers presented at IGU CHE pre-conference at Xi'an in August 2016. In 2017, 11 papers were published on this special issue.
- A special issue of the Journal Salud Colectiva (<http://revistas.>

unla.edu.ar/saludcolectiva/ article/view/1763) was published under the topic "Geografía de la salud: bases y actualidad". 10 papers were selected and published on volume 1 of the Journal in 2018.

- A special issue of the Journal International Journal of Environmental Research and Public Health ([https://www.mdpi.com/journal/ijerph/special\\_issues/geographic\\_disparities](https://www.mdpi.com/journal/ijerph/special_issues/geographic_disparities)) will be published under the topic "Social Determinants and Geographic Disparities in Health and Health Care". The call for papers will end in the end of 2018.
- A special issue of the Journal "Geography. Environment. Sustainability" dedicated to the XII International Symposium of Geospatial Health will be published in 2019.

#### **4.3. Papers resulting from Health Geographers Meetings**

Ergler C., Lovell SA., Watkins A., Milligan C., Thompson L., Exeter D. and Kearns R. (2017) Looking back and moving forward: Health geography in Aotearoa and beyond. New Zealand Geographer 73(3): 205-217. <http://dx.doi.org/10.1111/nzg.12169>

#### **4.4. Webpage**

- IGU CHE website <http://www.iguhep.org/> includes announcements, member information, reports and meeting minutes. Around 350 visitors are accessing the page on a weekly basis. All relevant announcements for the webpage can be sent to the webpage manager Eva Pilot ([eva.pilot@maastrichtuniversity.nl](mailto:eva.pilot@maastrichtuniversity.nl)).
- The health geography Researcher's network of the commission can be found in addition to the IGU CHE webpage on <http://www.healthgeography.org>. Around 250 visitors are accessing the page on a weekly basis. All relevant announcements for the webpage can be sent to the webpage manager Eva Pilot ([eva.pilot@maastrichtuniversity.nl](mailto:eva.pilot@maastrichtuniversity.nl)).

#### **4.5. Facebook**

The Health Geography Researcher Network has initiated a Facebook page for Health geography researchers to interact and exchange vacancies and information on conferences and interesting publications and so on. The link to the open Facebook group page is <https://www.facebook.com/Health-Geography-Researcher-Network-779298652122288/>. Currently around 366 people are part of the group on Health Geography Researcher Network on Facebook.

## **C16.21 History of Geography**

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#### **1.1. Commission Members – Mandate 2016-2020**

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The Commission Business Meeting takes place normally once a year during the Commission symposium for the Geographical Congresses or UGI Regional Conferences. The last one was in Quebec City, August 2018.

<https://web.univ-pau.fr/RECHERCHE/UGIHG/>

Over the aforementioned commission members, the Commission have a contacts' mailing list containing more than 500 recipients in all the continents.

## **2. Activities since November 2017**

In occasion of the IGU regional Conference in Quebec City (6-10 August 2018), we organised or co-organised the following symposia:

- C23-SP1. Culturally or linguistically non-dominant geographies: Obsolescence, fantasy or necessity / Les géographies culturellement ou linguistiquement non dominantes : obsolescence, fantasme ou nécessité ? [Convenors: Mario Bédard; Anne Gilbert; Guy

Mercier; Jhon Williams Montoya; Guilherme Ribeiro; Marcella Schmidt di Friedberg; Sorina Voiculescu]

- C23-SP-2. Indigenous Spatial Capital: Turning Places, Knowledge and Practices Into Mapping Processes / Capital spatial autochtone : transformer les lieux, savoirs et pratiques en

processus cartographiques [Convenors: Caroline Desbiens; Carole Levesque; Béatrice Collignon; Irène Hirt].

- C23-SP-3. Theoretical geographies: The contribution of geography to social theory and the production of geographical concepts / Géographies théoriques : L'apport de la géographie aux théories sociales et la production de concepts géographiques [Convenors: Marcella Schmidt di Friedberg; Mathis Stock; Anne Volvey; Mario Bédard; Guy Mercier]
- C23-SP4. Revisiting Paul Vidal de la Blache's thought / Revisiter la pensée de Paul Vidal de la Blache [Convenors: Vincent Berdoulay; Marcella Schmidt di Friedberg; Guy Mercier; Guilherme Ribeiro]
- C23-SP100. Open session / Session libre [Guy Mercier, Marcella Schmidt di Friedberg]

### **3. Future plans**

- For 2019, the Commission launched a call for paper for the following annual symposium that we are organising at UCD School of Geography from 10 to 12 July 2019.
- International Symposium on the History of Geographical Thought, GEOGRAPHIES OF IDENTITIES AND IMAGINATIONS/Symposium international d'histoire de la géographie, GEOGRAPHIES DES IDENTITÉS ET DES IMAGINAIRES [Convenors: Federico Ferretti and Arlene Crampsie]
- No changes in the Commission's structure are planned for next year

### **4. Publications:**

- Geographers, Biobibliographical Studies, vol. 37 (2018), edited by Elizabeth Baigent and André Reyes Novaes <https://www.bloomsbury.com/uk/geographers-9781350085503/>
- [Forthcoming] B. Schelhaas, M. Heffernan, A. Reyes Novaes, M. Schmidt, F. Ferretti (eds.), Decolonising and Internationalising Geography: Essays in the History of Contested Science. Berlin, springer, 2019.

## **C16.22 Islands**

### **1. Membership**

#### **1.1. Steering Committee (2017-2021)**

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Huei-Min Tsai (Vice chair)

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Su-Hsin Lee (Secretary)

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#### **Advisory Board:**

For the sake of continuity and to support the new Steering Committee members, previous members have kindly agreed to function as an Advisory Board during the 2017-2021 term.

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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.

The Commission on Islands (C16.22) has been active for over a decade now, 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. Conferences and meetings have been organized by the first term of Steering Committee solely or jointly co-organized with IGC, or IGU regional conferences, or in collaboration with other island studies organizations, such as International Small Islands Studies Association (ISISA) and Island Dynamics. Venues of meetings include Taipei, Taiwan (2007), Tunis, Tunisia (2008), Ven Island, Sweden (2010), Malta (2011), Cologne, Germany (2012), Penghu Archipelago,

Taiwan (2013), Krakow, Poland (2014), Moscow, Russia (2015), and Matzu Islands, Taiwan (2016). A first meeting of the new Steering Committee members was held at an ISISA conference on the island of Terschelling, The Netherlands, in June 2018. Only a few committee members were able to attend, so the first meeting of the Commission with capacity to decide on matters concerning activities of the Commission was held a few months later during a conference (co-organized with Island Dynamics) on Pongso no Tau (Orchid Island), Taiwan. The following is a brief report on the Commission's recent and planned activities.

## **2. Meetings**

### **2.1. The IGU Commission on Islands organized two meetings in 2018.**

#### **2.1.1. 16<sup>th</sup> Islands of the World Conference on the Changing Futures of Islands**

The IGU Commission on Islands organized a discussion panel and a paper panel on the theme of 'Explorations in Relational and Archipelagic Island Studies' at the 16th Islands of the World Conference – The Changing Futures of Islands – in Leeuwarden/Terschelling, The Netherlands, 10-14 June (organized by ISISA).

Chaired by Adam Grydehøj and Jonathan Pugh, the paper session presented island research highlighting the importance of relational and archipelagic perspectives to understanding historical and contemporary island development (seven papers by eleven authors). Some focused on archipelagic relations, engaging with oceans, networks, routes and roots, the aquapelago, assemblages and movements. Others foregrounded how island communities are constituted and reproduced through relations, how connections and disconnections – material and immaterial – create island cultures and landscapes.

The panel session involved discussion concerning current issues and debates within island geographic research as reflected in the paper session as well as in the pages of leading island journals such as *Shima* and *Island Studies Journal*. Initiated by panelists Adam Grydehøj, Jonathan Pugh, Yaso Nadarajah, and Huei-Min Tsai, the discussion explored where these debates have taken us and in which directions we might proceed.

#### **2.1.2. Island Dynamics Conference: Indigenous Communities, Indigenous Spaces – Tradition and Change in a Globalising World**

The IGU Commission on Islands also collaborated in the organization of the Island Dynamics Conference: Indigenous Communities, Indigenous Spaces–Tradition and Change in a Globalising World, held on Pongso no Tao, Taiwan, 1-5 October 2018, Pongso no Tao, Taiwan. The conference attracted participation from 15 countries including Canada, Mexico, UK, France, Sweden, Denmark, Greenland, The Netherlands, Germany, Switzerland, Australia, New Zealand, Philippines, Japan, China, and Taiwan, plus over 70 indigenous participants from local communities on the island of Pongso no Tao.

The conference was the fruit of collaboration with: The Community of Pongso no Tao; The Tao Foundation; Island Indigenous Science Studio; Lan En Culture and Education

Foundation (all the above based on the island of Pongso no Tao, Taiwan); National Taiwan Normal University, Department of Geography & Graduate Institute of Environmental Education; National Sun Yet-Sen University, Center for Marine Policy Studies & Graduate Institute of Marine Affairs, Taiwan; Ilisimatusarfik/University of Greenland, Department of Social Sciences, Greenland; RMIT, School of Global, Urban and Social Studies, Melbourne, Australia; Ministry of Science and Technology, Taiwan; Council of Indigenous Peoples, Taiwan; and National Prehistory Museum, Taitung, Taiwan. The conference conveners were: Adam Grydehøj, Huei-Min Tsai, Syaman Rapongan, Syaman Lamuran, Tibusungu'e Vayayana, Yaso Nadarajah, Tzu-Ming Liu, Su-Min Shen, Sento Wang, Su-Hsin Lee (three of which are members of the IGU Commission on Islands, Steering Committee).

The conference explored connections between indigenous communities and indigenous spaces in an age of globalization, involving rapid change in the very conceptions of space, place, and territory. Is the indigenous only found in and through place, or can we envision de-territorialized indigeneity? Can indigenous rights and livelihoods be asserted without simultaneously reinforcing, apologizing to, or playing by the rules of colonial power? The conference included paper sessions and keynotes (25 papers by 30 authors), but significantly emphasized ample time in the field to learn from and engage in dialogue with the local indigenous people, the Tao (more time in the field than in sessions). The aim was to provide opportunities to reflect on and engage with intercultural and collaborative political approaches by indigenous and non-indigenous people and scholars, emphasizing work towards ensuring sustainability for indigenous people, enhancing social and environmental justice in their respective territories, and decolonizing structures, relations and ways of being.

The conference had to deal with a phenomenon that the Tao people are used to: a typhoon. Unsure of the path of the storm or when the last boat would leave, the conference organizers managed to reorganize on the spot, relocating the second half of the five-day meeting to a venue on the south coast of Taiwan.



*Opening Ceremony at Lan-En Kindergarten.*





*In the field.*



*Conference participants at one of the five conference venues, Lanyu High School.*

The conference provided an opportunity for the Commission to hold a Steering Committee meeting on the first evening after the reception in Taipei (transfer to the island the following morning), with seven members present. The committee discussed the lull in activity during the transition to a new steering committee, and resolved to intensify activities by establishing a biannual newsletter, re-introducing a Commission website, as well as a Facebook site in order to facilitate the sharing of information on research projects, publications, workshops, societal engagements, etc. These would complement actively circulating more information regularly on the commission mail list. We furthermore discussed organizing meetings in 2019 and 2020 (see below).

## **2.2. Meetings planned for 2019 and 2020**

At the Steering Committee meeting in Taipei (September 30, 2018), we decided to organize sessions at the 8th Nordic Geographers Meeting in Trondheim, Norway, 16–19 June 2019. In line with the conference theme, Sustainable Geography – Geographies of Sustainability, the sessions organized by the IGU Commission on Islands focus on the theme of Sustainable Island Geography – Geographies of Island Sustainability. Conveners are: Eric Clark, Lund University, Chair IGU Commission on Islands; Huei-Min Tsai, National Taiwan Normal University, Vice Chair IGU Commission on Islands; and Gerard Persoon, Leiden University. The call for papers has been circulated and we have currently received abstracts to fill three sessions, allowing for articulation of sub-themes (deadline is January 10, 2019).

We discussed participation in the 34th International Geographical Congress in Istanbul, Turkey, in August, 2020. Furthermore, we encouraged committee members to take initiatives to organize Commission conferences and workshops.

## **3. Networking**

The IGU Commission on Islands has consistently networked and collaborated with other island studies organizations, most prominently the International Small Islands Studies Association (ISISA) and Island Dynamics. It has furthermore collaborated with other IGU Commissions, most notably C12.21 Indigenous Knowledges and Peoples' Rights. The Commission plans to initiate dialogue with other 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 C16.14 Geography of Tourism, Leisure, and Global Change, C16.39 Agricultural Geography and Land Engineering, or C16.29. Marginalization, Globalization, and Regional and Local Responses.

The experiences of the most recent Commission conference on the island of Pongso no Tao have given the Commission reason to look further into potentials to network with island organizations in order to organize conferences with higher degree of community/societal engagement.

## **4. Publications**

Commission members have published many articles, chapters and books in 2017-2018. Mentioned here are just a few to give a sense of the Commission's presence in the field of island studies. Perhaps most significantly, *The Routledge International Handbook of Island Studies: A World of Islands*, 1st Edition, edited by Godfrey Baldacchino, was published in June 2018. Six authors of the 21 chapters are either Steering Committee members or Advisory Board members of the Commission, while most of the others are corresponding members, and the editor is on the Advisory Board (previously on Steering Committee).

Another edited volume on island studies, *Island Geographies: Essays and Conversations*, 1st Edition, edited by Elaine Stratford (Advisory Board member of the Commission), was published in November 2016 (Routledge, paperback 2018). Three of the ten chapters are authored by Steering Committee and Advisory Board members.



The Steering Committee includes editors of three journals, two of which specialize in island studies: *Island Studies Journal* (edited by Adam Grydehøj) and *Shima* (edited by Phil Hayward). Commission chair, Eric Clark, is managing editor of the *Journal of Urban Affairs* (editorial team of twelve), and handles primarily submissions concerning Europe and island cities.

The Steering Committee furthermore includes the UNESCO Chair in Island Studies and Sustainability, James A. Randall.

The Commission website is currently no longer accessible (previously located at National Taiwan Normal University). One of the Commission's tasks in the immediate future is to re-establish its website, to complement the above-mentioned Facebook page and mail-lists.

## **5. Archival Contributions**

The Commission notes that there has been a lull in activity regarding archival contributions during the transition to a new Steering Committee, and conveys renewed conviction to participate more actively in this regard.

## **C16.23 Karst**

## **C16.24 Land Degradation and Desertification**

### **1. Membership**

#### **1.1. Steering Committee (2017-2021)**

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## **2. Meetings**

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.

### **2.1. Proposed Iceland Meeting:**

A planned workshop, meeting and field trip in Iceland had been scheduled in mid 2017. This activity was cancelled in early 2017 for institutional reasons. Subsequently, the COMLAND Secretary visited professional colleagues in Reykjavik with the view to scoping a revised activity in SW Iceland in 2019 or 2020. This was privately funded. If this

proposed activity receives local approval and support, it is likely that the model for a workshop, meeting and field trip that was successful in recent meetings in may be adopted.

**2.2. IGU Commission on Agriculture and Land Engineering (AGLE) – Conference 2018:** COMLAND and the AGLE worked to develop a conference and field trip for a joint Commission meeting in 2018 in Australia. COMLAND undertook preliminary planning for a 4 day field trip in southern Australia that covered land degradation issues and agricultural engineering issues. AGLE's contribution was to scope institutional arrangements for the conference and meeting facilities. Unfortunately, this activity was cancelled due to institutional problems and AGLE holding their October 2018 meeting in another country.

COMLAND continued scoping and planning for a dedicated COMLAND meeting and field trip in late 2018 using the proposed itinerary from the cancelled joint COMLAND and AGLE activity. This proposed activity was also cancelled because of scheduling difficulties and integration with various academic calendars.

### **2.3. IGU Regional Conference – Quebec Canada (August 2018):**

COMLAND co-hosted a Session with the Commission on Hazard and Risk (CH&R) at the IGU Regional Conference in Quebec, Canada in August 2018. This Session was Chaired by the CH&R.

### **2.4. IGU Thematic Conference – Koper Slovenia (September 2019):**

The COMLAND Steering Committee has agreed to offer sponsorship to support this Conference. This should help young geography researchers attend and contribute to the meeting.

## **3. Collaboration with Other Organizations**

### **3.1. International Association of Geomorphologists & Indian Institute of Geomorphologists**

Active collaboration and support of ICG Conference (Delhi 2017) – Chairing of Session S39, participation in field trips and financial sponsorship of ICG for Young Geomorphologists program.

### **3.2. Environment Institute of Australia and New Zealand (EIANZ)**

Following the successful Tasmanian Meeting and field trip (October 2014), COMLAND has maintained liaison with the EIANZ with the view to investigating the potential for future collaborative events.

### **3.3. Other IGU Commissions:**

COMLAND has a working relationship with the Commission on Hazard and Risk and is developing such relationship with the Commission on Agriculture and Land Engineering.

- COMLAND and the Commission on Hazard and Risk held a successful joint Papers Session at the IAG Delhi Conference in November 2017.

- COMLAND and the Commission on Hazard and Risk held a joint Papers Session at the IGU Quebec Conference in August 2018.
- COMLAND and the Commission on Agriculture and Land Engineering undertook preliminary discussions on holding a joint conference and field trip in late 2018.

## 4. Publications

COMLAND continues to publish papers from its sponsored sessions and conferences, with most appearing in international peer reviewed journals.

A selection of papers from the COMLAND Meeting in Slovenia (June 2016) are being edited and compiled for a special edition of the Journal *Land Degradation & Development*. The edition title will be: “The Role of Historic Impacts on Modern Environmental Processes and Management”. Publication is expected by 2019. The guest editors are Drs Paul Hudson and Matija Zorn.

## 5. Awards

- Several important contributors to land degradation research have been awarded by COMLAND. The COMLAND Award is intended to express appreciation to individuals or groups for their special contributions to COMLAND and land degradation science. COMLAND’s Premier Award is for Distinguished Research on Land Degradation and is open to both individuals and institutions.
- Awards may be granted by the Steering Committee or considered upon submission receipt. Submissions are generally only considered if applicants can demonstrate a track record of supporting COMLAND and its Objectives. Such support may be variable but can include contributions to meetings and related activities.
- Membership of COMLAND, like other IGU Commissions, is open to anyone upon request. Such membership is not a specific academic or professional qualification. COMLAND does not have a “Fellow” category of membership.

## 6. Website

COMLAND has recently completely updated and revised its own website, which contains information on its structure, activities, past and future meetings. The website was revamped in 2013 and is now maintained on a commercial platform by Owen Graham (Secretary of COMLAND). The address is: [www.comland.org](http://www.comland.org)

The COMLAND website contains information that includes upcoming and past meetings, the Steering Committee, awards, reports and publications.

## **C16.25 Landscape Analysis and Landscape Planning**

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3. Assoc. Prof. Dr.Tengiz Gordeziani - Georgia
4. Prof.Dr. Zurab Davitashvili - Georgia



5. Prof. Dr. David Kereselidze - Georgia
6. Prof.Dr. Iosif Salukvadze - Georgia
7. Prof.Dr. Giorgi Gogsadze - Georgia
8. The academician Tengiz (Gizo) Urushadze - Georgia
9. Dr.Nugzar Zazanashvili – Georgia
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12. Prof. Dr. Farda Imanov - Azerbaijan
13. Dr. Saida Zeinalova - Azerbaijan
14. Prof. Dr. Valerian Snytko - Russia
15. Prof. Dr. Yury Badenkov - Russia
16. Prof. Dr. Vladimir Alekseenko - Russia
17. Prof. Dr. Vitaly Bratkov - Russia
18. Dr. Grigory Isachenko – Russia
19. Dr. Alexander Khoroshev - Russia
20. Prof. Dr. Hovik Sayadanyan- Armenia
21. Dr. Mariam Eghyan – Armenia
22. Debajit Datta - India

Members of commission of Landscape analysis and Landscape planning (C16.25) of the international geographical union (IGU) - Prof.Dr. Nodar Elizbarashvili, Dr. Heino Meessen, Prof.Dr. Ashot Khoetsian, Dr. Giorgi Meladze and Dr. Thomas Kholer are published the textbook for students of the higher education: **Sustainable development of Mountain Regions and Resource Management** (on English, Georgian and Armenian Languages). This textbook has been prepared between 2015 and 2018 within SCOPES institutional partnership involving Iv. Javakhishvili Tbilisi State University (TSU, Georgia), Armenian State Pedagogical University (ASPU, Armenia) and the Centre for Development and Environment (CDE) of Bern University (Switzerland).

This study course compendium - as main and final product of this partnership - was supported by the Swiss National Science Foundation and the Swiss Agency for Development and Cooperation in the framework of the programme SCOPES – “Scientific co-operation between Eastern Europe and Switzerland.” This compendium, which is the first on SMD in Caucasus transition countries, includes teaching packages, exercises for students and didactic guidelines for field study courses and considers the following specific issues of SUSTAINABLE MOUNTAIN DEVELOPMENT (SMD): Theoretical basis of SMD related to SDGs and 2030 Agenda; Principles and methodologies of research for sustainable development, transdisciplinary and action research; Principles of landscape planning and related case studies (European and Armenian/Georgian experience); Socio-ecological peculiarities of sustainable development; Regional manifestations of global problems in mountain development; Legal basis and existing regulations on SMD in Caucasus transition context. Case studies, best practices and lessons learned in SMD on three levels: Regional and national levels – worldwide in examples, Caucasus as entire region, Georgia, Armenia, Adaptation of joint case studies in Switzerland to transition context of the Caucasus.



*Tbilisi, 2018. Presentation of Textbook - Sustainable development of mountain regions and resource management. Commission members: Prof. Dr. Ashot Xoetsjan, Assoc. Prof. Dr. Giorgi Meladze, Dr. Heino Meessen, Prof. Dr. Nodar Elizbarashvili*

## **2. Meetings**

- International Workshop on the implementation of the European Landscape Convention in Georgia. Inter -ministerial Round-Table: Integration of the landscape into policies.
- International Workshop - Duisburg - Essen Uni (Germany) and Tbilisi State University Cooperation Perspectives.
- International workshop - Renewal Conservation Plan for the Caucasus Ecoregion (National Workshop on Experts and Stakeholders (WWF, KFW, German Cooperation, TJS)
- International Workshop - for the development and planning of regional dialogue and cooperation between scientists and practitioners on natural disasters and climate change in the Caucasus region (Sustainable Caucasus, Switzerland Cooperation Found)
- Workshop on International Field Practice (APPEAR - Transdisciplinary for Sustainable Tourism Development in the Caucasus Region)
- National Experts Workshop, Tbilisi (WWF, KFW, TJS, German Cooperation) - ECP Reports: Geographical Peculiarities and Planning of Georgia's Ecological Corridors



*Tbilisi, 2018. International Workshop - Duisburg - Essen Uni (Germany) and Tbilisi State University (Georgia) Cooperation Perspectives Commission members and students meeting in Tbilisi State University: Prof. Dr. Nodar Elizbarashvili & Prof. Dr. Rudolf Juchelka*

### **2.1. Mission of Commission in 2019 - 2020:**

1. Methodology of Landscape planning of urban and historical Landscapes,
2. Methodology of landscape planning of Protected Areas and ecological corridors,
3. Trans boundary Landscape analysis and Planning in Caucasus (Georgia-Turkey-Russia-Armenia-Azerbaijan).
4. Preparation and realization of the project: The Alps and Caucasus, methodology of decentralization of mountain regions;
5. Study course and methodology of land use of Caucasus region

### **2.2. Perspective activity's with participation of the commission members (2019 - 2021)**

Initiative to use results and final products, methods and tools elaborated during SCOPES IP for an application in a larger consortium to HORIZON 2020 as parallel initiative of the partner universities – lead with CDE and support of EURESEARCH unit of UNIBE;

Cooperation with an implementation project financed by the EDA-Program “Environment and Security” for Georgia and Armenia, combining teaching and research methods with implementation of pilot projects in FSC of Caucasus regions

Cooperation with Austrian ADA Program (Austrian Development Agency) on Sustainable (Mountain) Tourism Development in Armenia and Georgia implemented by UNEP and BOKU Vienna 2016 until project end in Nov. 2020

SDC Armenia has commissioned ASPU for an on-going SDC rural development programme, namely: Out-Migration monitoring combined with ASPU action research approach and internships;

Facilitated by SCOPES IP publication on out migration in Rasha – Lekhumi Municipality (Georgia) SDC Bern (2017) announced it's interest to commission TSU and Prof. N.

Elizbarashvili for an possible follow-up TD research project on the spatial impact of out-migration on this Caucasus remote region. For this possible cooperation of TSU and local Rasha – Lekhumi administration could be organized an internship of one of our SCOPES IP master absolvent in the field of Sustainable Tourism development.

### 3. Networking

WWF, UNESCO, UNDP (GEF), EUROCOUNCIL, NASA (USA), EUROGEO, STCU, GTZ, CAMP (Central Asian Mountain Partnership), ALCA, UNEP (TEEB), SNSF (Swiss National Science Foundation, **The Mountain Research Initiative**), NATIONAL GEOGRAPHY, IODE, NCCR-JACS (National Centre of Competence In Research North-South), IFLA (International Federation of Landscape Architects), Agro polis International, Montpellier, France; Centre for Development and Environment (CDE), Bern, Switzerland etc.

### 4. Publications

1. Nodar Elizbarashvili, Heino Meessen, Ashot Khoetsian, Giorgi Meladze and Thomas Kholer (2018). Sustainable development of Mountain Regions and Resource Management. Textbook, - Tb., 304 p. (in English and Georgian).
2. Ashot Khoetsyan, Heino Meessen, Nodar Elizbarashvili, Tigran Babayan, Susana Khachatryan, Thomas Kohler (2018). Study course on sustainable mountain development and resource governance in the Caucasus region. **Textbook**. - Erevan, - 268 p. (in Armenian and English)
3. Elizbarashvili N. (2018). Landscape-ecological Basis of Landscape Planning. Materials of international conference: Landscape geography in XXI century. - Simferopol, pp. 79 - 84. (<https://elibrary.ru/item.asp?id=35466142> ).
4. Elizbarashvili N. (2018). Main concepts and Problems of Sustainable Development Mountainous Regions (On the example of the Caucasus). In procedeng: International Scientific and Practical Conference «REGION –2018: Optimal Development Strategy». - Kharkiv, Ukraine, pp. 215-219.
5. Elizbarashvili N., Sulxhanishvili N. (2018). Selection principles, natural conflicts and focuses of Landscape Planning of Protected Areas (On the example of planning of the Javakheti national park, Georgia). GEOPARKS AND MODERN SOCIETY: protection, promotion and sustainable use of Earth heritage in park environment dedicated to the 20<sup>th</sup> Anniversary of the UNESCO GEOPARK Initiative announced in 1998 at the ProGEO Meeting in Belogradchik, Bulgaria. - p.48.
6. Elizbarashvili N., Meladze G., Elizbarashvili R. (2018). Main ecological and landscape indicators of sustainable development. Materials of VIII International scientific-technical conference “The modern problems of water management, environmental protection, architecture and construction”. -Tb., STU, pp.99-108.

### 5. Participation in Field Expeditions

- International Field Study course (2018). Sustainable development of Mountain Regions, Georgia, Lagodechi district.

- Field expeditions in the North-Eastern forest regions of the Republic of Armenia in the framework of studies on sustainable management of land use and forest ecosystems.
- During 2016-2018, field studies of surveying and experiencing cultural landscapes in northern part of India (especially religious sites in landscape purview), southern part of China, and north-western part of Japan (Gifu, and Shikoku).
- Students field work in Kandersteg (Bernese Alps) during exchange visit of Georgian Students to Switzerland in Feb. 2018

## **6. New ideas about further work of the commission**

- Landscape governance and Landscape services
- Landscape planning of Urban territories and Historical Landscapes
- Landscape planning methodology of Geoparks
- Landscape methods in planning of sustainable tourism
- Further regional studies on landscape analysis and planning of Mountain Regions
- Developing the holistic idea of Landscapes – Natural, Cultural and Mixed-up, and further to get it comprehended in regional traditions; also, active collaboration with the institutions and organizations, and also individuals that deal with the facets of Landscapes – theoretical or planning.

## **C16.26 Land Use and Land Cover Change**

### **1. Membership**

#### **1.1. Steering committee**

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## **2. Meetings**

### **2.1. RUSSIA, Moscow, 2018**

IGU Thematic Conference dedicated to the Centennial of the Institute of Geography of Russian Academy of Sciences took place in Moscow. In frame of the conference IGU Commission “Land Use and Land Cover Change” session “**Land Use and Land Cover Change: challenges of globalization**” has been organized. The Program Committee received 33 abstracts from Russian and international scholars pretending to present at the session. 24 of them were accepted for oral presentations, 8 for posters, and 5 redirected to the other thematic sessions, none was rejected. Later on the Program Committee of the Conference has decided to manage a plenary session on the topic “Land Degradation Neutrality”, and

presentation “Understanding the dynamics of agricultural regions: complex analysis of land use and land cover data” (A. Naumov and O. Klimanova) was shifted from the Lucc Commission session to the plenary one. Two presentations: “Land use changes, desertification and human development nexus in the Thar desert region of India” (N. Varghese) and “Land conversions and bioproductivity trends in semiarid regions of European Russia in the context of land degradation neutrality targets” (N. Telnova) were redirected to the Special Session on desertification issues. These changes enabled fit all the Lucc Commission Session timeslots in a one-day program of 5 June 2018.

15 from 24 participants who pretended to deliver oral presentations were representing different universities and scientific institutions of Russia, 5 were from India, 1 from Indonesia, 1 from Uganda and 1 from Ecuador. Most of presenters have focused on detecting of land cover changes on regional scale, comparing their findings with global trends, also relevant were such topics as land degradation assessment and relations of land use and land cover changes with the global climate changes. Not all of the authors of the abstracts have arrived to the Session, but most of them were present and participated in discussions, which seemed interesting and productive.

## **2.2. INDIA, Guwahati, 2018**

The XI International Geographical Union (IGU) Commission Seminar has been organised by Department of Geography, B. Borooah College from 8 to 10 February, 2018. The Seminar has been jointly organised with XXIX. North East India Geographical Society (NEIGS) Biennial Conference collaborated by Commonwealth Geographical Bureau (CGB) and six IGU Commissions: Commission on Land Use/Land Cover Change, Commission on Biogeography and Biodiversity, Commission on Local and Regional Development, Commission on Geo-Heritage, Commission on Geography of Governance and Commission on Agricultural Geography and Land Engineering.

This prestigious IGU Commission Seminar has been organised for the first time in this part of the country. The seminar has been attended by around 750 participants including 480 paper presenters, 63 chairpersons and co-chairpersons and 200 general participants including students. It is pertinent to state that 37 foreign delegates and 4 foreign students from 12 different countries like Canada, West Indies, Nigeria, Italy, Israel, Poland, Japan, Myanmar, Singapore, Australia, Bangladesh, Bhutan etc. have actively participated in the said event. Moreover, the rest of the participants were from all over India representing 113 different institutions. The participation of such a huge number from all across the globe made the seminar a truly global one.

Under the focal theme “environment and sustainable livelihood” the research papers, invited lectures, plenary lectures and the keynote speech have addressed and discussed the issues like climate change; bio-diversity; land use change; changing mountain environment; natural hazards and extreme events; population growth and urbanization; globalization, industrialization and environment; agriculture and bio-technology; ethnic conflicts in North East; remote sensing and GIS in weather monitoring development; geopolitics and conflict resolution; gender health and inequality; integrated river basin management; pollution and environment; mining, development and sustainability. 79 papers have been presented in 8 Lucc commission technical sessions and 4 invited papers have been presented by renowned scholars. Finally, the seminar ends with a hope and belief that this kind of intellectually stimulating exercise and thoughtful discussion will bring the much needed knowledge, practices and approach for sustainable development of the country in general and north east in particular.



### **2.3. CANADA, 2018**

There were following LUCC sessions proposed in frame of the 2018 Regional Conference in Québec:

- Contemporary trends in Land Use and Land Cover identification and assessment
- Land Use data sources from 19th century
- Transportation and Land Use interactions
- Land Use and Land Cover Change studies on global/continental level
- Drivers of Land Use and Land Cover Change in rural areas
- Drivers of Land Use and Land Cover Change in (sub)urban areas
- Land Use and Land Cover Change on Mediterranean Islands
- River and Floodplain Restoration: Drivers of Change and Implications for Land Cover Altogether, there were 17 presentations in the programme. Beside these sessions, there were LUCC related topics discussed at several sessions of other commission as well.

In frame of the conference, the LUCC Commission Steering Committee members discussed on future thematic conference in Koper and LUCC Atlases.

### **3. Networking**

By the organisation of the thematic conference in Slovenia the LUCC commission is collaborating with the commissions on Local and Regional Development, Biogeography and Biodiversity, Mediterranean Basin and Land Degradation and Desertification.

### **4. Publications**

Two volumes of LUCC Atlases have been published recently. They are available on LUCC Commission website.

Himiyama, Y., Bičík, I. (eds) 2017: Land Use/Cover Changes in Selected Regions in World, Volume XII.

Available at: <http://lucc.zrc-sazu.si/Publications/Atlases/VolumeXII.aspx>

Kupková, L., Himiyama, Y. (eds) 2018: Land Use/Cover Changes in Selected Regions in World, Volume XIII.

Available at: <http://lucc.zrc-sazu.si/Publications/Atlases/VolumeXIII.aspx>

## **C16.27 Latin American Studies**

### **1. Membership**

The structure of the Commission of Latin American Studies of the International Geographical Union is as follows: General Assembly, Management Committee and Consultant Committee. The Management Committee of the Commission was proposed to the Executive Committee of the UGI in 2016 and ratified at the General Assembly of the UGI held at the 33rd World Congress of Geography in the city of Beijing, China.

#### **1.1. 2016 -2020 Management Committee**

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José Becerra Ruiz (Member)

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Lionel Rossini (Member)

National University of Colombia, GET – Transboundary Working Groups

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## 2. Meetings

Between August 2017 and December of the same year, a research stay was carried out at the National Pedagogical University of Colombia in the Faculty of Humanities, specifically in the Social Sciences Department and its *"Space and Territory"* Research Group. creation of the D - Lab GeoInn of *"Social innovation and geotechnologies applied to education"*, which will depend on the Dean's Office of the Faculty. Work meetings were also held for the signing of inter-institutional agreements with the National Pedagogical University of Colombia and the institutions that I represent as the National University of San Marcos, the International Geographic Union and CLACSO - Latin American Council of Social Sciences to create postgraduate programs , editorial and research projects.

In November 2017 the academic event was organized jointly with CLACSO, Externado University of Colombia and RED GeoRaizAL *"International Conference of Geography of Latin American Root"* on the campus of the National Pedagogical University of Colombia.

In Bolivia, between March and May of 2018 LABGEPOR - Geography, Territory and International Relations Geography Laboratory of the Institute of Geographical Research - IIGEO of the Universidad Mayor de San Andrés, Bolivia, was created, key to carry out activities of the UGI in Latin America . There was a meeting with Javier Nuñez, director of the IIGEO and Secretary of the International Geographical Union - Commission of Latin American Studies, then we made electronic coordinations with the other members.

In May and June 2018 the presentation of the LABGEPOR - Laboratory of Geography, Politics, Territories and International Relations of the Geographical Research Institute - IIGEO of the Universidad Mayor de San Andrés, Bolivia with two FORUM DEBATES *"Appropriation and production of space in societies contemporary "then with" Climate Change, Political Ecology and Governance of natural resources: Research experiences "*.

In July 2018, the Social Sciences Research Center of the Vice Presidency of the Plurinational State of Bolivia published the 2nd edition of the book *"Qué es la Geografía"* by the Brazilian professor Ruy Moreira, which has the support of our Studies Commission.

In June 2018, he traveled to Chile and had a meeting with professors from the Catholic University of Chile and the University of Chile to carry out an activity between CLACSO, UGI and the German Academic Exchange Service - DAAD for an international school of studies. of winter or summer with the themes of: Governance of irrigation, socio-natural disasters and climate change that could be in 2018 or later, we will communicate to Professor Elena dell'Agnese who said that it could be supported by the UGI.

The 3rd International Seminar on Research on the Vulnerability of Socio-natural Disasters - III SIVDS, was held in the city of Lima, Peru, at the National University of

San Marcos, between the 15th and the 17th of October, 2018. It was organized and coordinated by the Territoriality, Environment and Power Research Group, supported by the Academic Department of Geographical Sciences, the Faculty of Social Sciences, and the Graduate Unit of the Faculty of Geological, Mining, Metallurgical and Geographical Engineering, all dependencies of the UNMSM. I also count on the academic support of the International Geographical Union - UGI and the Latin American Council of Social Sciences - CLACSO. There was participation between the days of the event of almost 180 attendees, with 25 exhibitors including 4 international.

The 4th International Seminar on Research on the Vulnerability of Socio-natural Disasters - IV SIIVDS, will be held in CHILE in the year 2020, coinciding with the 10th anniversary of the tragic earthquake and tsunami that affected the coasts of Chile in 2010 (27F). This event will be coordinated by Prof. Hugo Romero, from the University of Chile.

At the end of October 2018 the NASA Space apps Challenge 2018 was held at the National University of San Marcos through the General Directorate of Social Responsibility, the Territoriality, Environment and Power Research Group, the 1551 Incubator of Innovative Companies of the Faculty of Industrial Engineering and the International Geographical Union - Commission of Latin American Studies. 112 people signed up but 72 participated between the 2 days of the event. We will also organize the NASA Space apps Challenge 2018.

In November 2018, many of our partners who belong to the Latin American Council of Social Sciences - CLACSO through the WG - Critical Latin American Geographic Thinking, participated in the 1st World Forum of Critical Thinking where we organized panels and exhibitions on topics of mutual agreement and interest.

In December 2018 at the National University of San Marcos, D - Lab UNMSM, "Laboratory of Entrepreneurship and Social Innovation" was created.

In 2019 it is planned to hold an academic event of the Latin American Studies Commission in the city of Lima or Cusco in Peru, we are talking with other work committees to agree on the subject to be presented.

Perhaps an important product of this 2017 - 2018 was the creation of ESPIRAL, a Journal of geographies and social sciences. The institutional and academic support of the International Geographical Union - UGI and the Latin American Council of Social Sciences - CLACSO has been decisive for the National University of San Marcos to host the project.

### **3. Networks**

Communications have been established with the work commissions of the UGI to organize common academic events, with Latin America being the venue of the event with the following commissions:

1. Geography of Tourism, Leisure, and Global Change
2. Global Change and Human Mobility
3. Global Understanding

4. History of Geography
5. Local and Regional Development
6. Political Geography
7. Urban Commission: Urban Challenges in a Complex World
8. Commission on African Studies
9. Olympiad

With the Working Group of the Olympics the incidence is being done so that more Latin American countries participate and send delegations to the International Olympics of Geography. Communications have been established to carry out agreements and organize activities in common with these international organizations, thematic networks such as the following:

IPGH - Pan American Institute of Geography and History of the OAS. We are developing a research project 2018 - 2019. We have improved the relationship with the national sections of the PAIGH to carry out joint academic activities and conduct research and events in common agreement.

FLACSO - Latin American Faculty of Social Sciences. The academic project of FLACSO in Peru we will promote and we are in meetings with the Ministry of Education of Peru in this regard. This 2019 We consider an agreement with the National University of San Marcos and activate the academic project to organize a study program.

CLACSO - Latin American Council of Social Sciences. In 2018 we have held a planning meeting to carry out upcoming activities, first the renewal of the Working Group for the period 2019 - 2022 of "Latin American Critical Latin American Geographic Thought", it has been decided to publish a collection of Latin American Geography books with the support of the University of Buenos Aires, Argentina and the National Pedagogical University of Colombia, the first by Professor Rogério Haesbert and the reissue of the works of Professor Milton Santos.

CLAG - Conference of Latin Americanist Geographers. We have made contact with them and we are going to participate in the CLAG 2020 Conference that will take place in the city of Antigua of Guatemala, there is a predisposition to carry out joint activities. We will present a Dossier in your JCLAG magazine and co-host an upcoming event for 2022.

AAG - Association of American Geographers, is the largest and oldest institution in our continent and we have made contact with the Special Working Group of Latin America and there is already a possibility to make a proposal of academic activities in common.

LASA - Latin American Studies Association; The Association of Latin American Studies is the largest professional association in the world that brings together individuals and institutions dedicated to the study of Latin America. With more than 12,000 members and we are applying to be the institutional membership. Our partners participated in the LASA

Barcelona 2018 Conference and we will send representatives to the LASA Boston 2019, there we will explore future common actions as we have many related thematic areas.

OSGEO - Open Source Geospatial Foundation; In 2019 we are going to meet in Quito, Ecuador the local OsGeo chapters of Latin America during the XVII EGAL 2019 Quito. The proposal that we are promoting is to organize the World event FOSS4G - Free Software Geospatial 2020 Conference in a city of Latin America.

EGAL - Meeting of Geographers of Latin America, which is the most important event in our subcontinent for us geographers and we have the Portuguese and Spanish languages as official. The XVII EGAL Quito 2019, As UGI, CLACSO and OSGEO we will perform various activities. Due to the tradition of its creation of the EGAL there is no association of Latin American geographers in an official way that represents us before the UGI, AAG or EUGEO or another academic association.

UGAL - Union of Geographers of Latin America; It is not an institution that represents Latin American geographers, it is a private initiative that to date has not been approved by any assembly of the Meeting of Geographers of Latin America, we consider it an error that in the newsletters of the UGI it is reported that the EGAL it is a single institution with the UGAL.

AUIP - Ibero-American University Postgraduate Association, is an international non-governmental organization recognized by UNESCO. Currently it is integrated by almost 185 prestigious institutions, we are creating together a Thematic Network of Geopolitics and Social Sciences directed by the National University of San Marcos, Pedagogical University of Colombia, Complutense University of Madrid and University of Barcelona.

## **5. Publications**

In May 2017 and then in July 2018, in conjunction with the Social Sciences Research Center of the Vice Presidency of the Plurinational State of Bolivia, the 1st and 2nd edition of the book "Qué es la Geografía" by the Brazilian professor Ruy Moreira were published respectively .

It has been decided to publish a collection of Latin American Geography books with the support of the University of Buenos Aires, Argentina and the National Pedagogical University of Colombia, the first Sera of Professor Rogério Haesbert with the editorial support of CLACSO. The reissue of the works of Professor Milton Santos will also be with CLACSO within the collection "Anthologies of Latin American and Caribbean Social Thought." With CLACSO at the November 2018 meeting at its headquarters in Buenos Aires, Argentina it was agreed to support the UGI editorial projects for books, bulletins and journals.

## **C16.28 Local and Regional Development**

### **1. Membership**

#### **1.1. Steering Committee members**

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## 2. Meetings

Date	Title	Place	Number of sessions	Number of papers	Number of participants
September 11-15, 2017	<i>IGU Thematic Conference</i>	Bucharest, Tulcea ROMANIA	4 (12 <sup>1</sup> )	15 (60 <sup>1</sup> )	25-30 (70 <sup>1</sup> )
February 8-10, 2018	<i>XI International Geographical Union Commission Seminar</i> <sup>2</sup>	Guwahati, INDIA	50	600	600
August 1-4, 2018	<i>Pre-conference meeting of IGU Commission on Local and Regional Development</i> <sup>3</sup>	Kalamazoo, USA	4	8	12
August 6-10, 2018	<i>2018 IGU Regional Conference</i> <sup>4</sup>	Quebec, CANADA	1	6	25
September 3-7, 2018	<i>6<sup>th</sup> Moravian Conference on Rural Research, EURORURAL</i> <sup>5</sup>	Brno, CZECHIA	4 sessions + 3 workshops	24	30

- **A brief summary of the topics addressed at meetings and the findings**

### IGU Thematic Conference, Bucharest/Tulcea ROMANIA

The conference in Bucharest/Tulcea brought together representatives from four Commissions: Land Use/Cover Changes, Biodiversity, Health and Environment and Local and Regional Development. The rationale of the conference was to bring together scientists and stakeholders from various fields to address different effects of ecosystems changes, to set-up mitigation and adaptation strategies and contribute with scientific information to local/regional land use, planning and environmental policies. The topic of the conference focused on the relationships between ecosystems and socio-economic systems, the potential risks and benefits to regional specialization and human welfare. Participants discussed the problem on how human activities and global environmental changes affect terrestrial and freshwater ecosystems, human well-being and public health, what are the feedback and the potential local and regional futures.

The themes of the Commissions members presentation focus on the following topics: identification of local development factors with particular emphasis on demographic and settlement factors, spatial development inequalities in suburban areas, regional



development potentials and barriers, the role of local authorities in the development of marginal areas, spatial relations and communication accessibility, environmental protection and extreme phenomena, the issue of ethnic minorities in a local context.

#### IGU Commission Seminar, Guwahati, INDIA

The conference gathered several hundred participants representing various subdisciplines of geography. The focal theme concentrated on environment and sustainable livelihood. Change is inevitable and the greatest challenge we face today is change in climate, environment, human migration, land use impacting livelihood, health and well-being. Development interventions aiming at more sustainable livelihood and sustainable resource management, must be informed by both an inner perspective and a perspective addressing the macro context with its impacts on livelihood, as it also refers to the challenges of food security and access to freshwater and energy, while land and water contribute to the healthy and sustainable management of the agricultural system, the role of forest cannot be underrated.

#### Pre-conference meeting of IGU Commission on Local and Regional Development, Kalamazoo, USA

The conference participants discussed the idea of difference in restructuring local and regional economic development. The discussion was taken into account the need to recognize and embrace the diversity of local and regional economies, restructuring issues, local and regional development approaches, and the stakeholder populations that are impacted by local and regional development efforts. The goal was to evaluate current notions and explore new ways of restructuring local and regional economies.

#### 2018 IGU Regional Conference, Quebec, CANADA

One sessions were organized on topic “Local and regional development” with the following papers:

- *Regional and Local Responses. Regional development factors in EU and in Poland - similarities and differences* – P. Churski
- *Changing Urban-Rural Relations in Israel* - M. Sofer
- *Interregional Capital Flows and Regional Development Gap in China* - D. Chen
- *Urban-rural interactions in Romania. regional spatial and statistical analyses* – I. Grigorescu

#### Moravian Conference on Rural Research, Brno, CZECH REPUBLIC

The aims of the conference were as follows: to map European rural research and particular interests of investigators, to gain a space for presentation of contemporary knowledge about rural research, to continue in the tradition of international conferences dedicated to rural problems, to support intra-personal contacts among experts of different disciplines dealing with rural problems, to present South Moravian rural landscape. There were four paper sessions and three workshops (program attached). In total, 30 papers were divided into several thematic blocks.

### 3. The plan of future meetings

Date	Type of meeting	Place	Theme
February 2019	XII IGU Conference	India	<i>Climate change, natural disasters and sustainable development</i>
June 2019	Annual meeting	Fiji	<i>Development challenges in rural areas</i>
September 2019	IGU Thematic Conference	Slovenia	<i>Transformation of traditional cultural landscapes</i>

### 3. Networking

#### 3.1. Collaboration with IGU commissions

- The Commission was active in preparing and participating in The 11th IGU International Conference, *Environment and sustainable livelihood*, 8-10 Feb 2018, Guwahati, India, Borooah College – Commission on Biogeography and Biodiversity, Commission on Geo-Heritage.
- The *IGU Thematic Conference in Bucharest/Tulcea*, September 11-15, 2017, was prepared jointly with Commissions on Land Use/Cover Changes, Commission on Biodiversity and Commission on Health and Environment.
- The session during IGU Regional Conference in Quebec, jointly with the Commission on Marginalization, Globalization, and Regional and Local Responses
- XII IGU Conference, 22-24 Feb 2019, Panchkula, INDIA, jointly with Commissions: Biogeography and Biodiversity, Geo-Heritage.
  - IGU Thematic Conference, 24-26 September 2019, Koper, SLOVENIA, jointly with Commissions: Biogeography and Biodiversity, Land Use and Land Cover Change, Mediterranean Basin, Land Degradation and Desertification.

#### 3.2. Other collaboration

Selected institutions and bodies cooperating with the commission during the period 2017-2018: Department of Geography, B. Borooah College, Guwahati (*conference*), Western Michigan University, Kalamazoo (*conference*), Institute of Geography, Romanian Academy and Faculty of Geography, Bucharest University (*conference*), Institute of Geography and Spatial Organization Polish Academy of Sciences (*web page preparation*), Journal of Urban and Regional Analysis (*publication*), Romanian Journal of Geography (*publication*), Routledge (*publication*).

### 4. Publications

- In preparation: ***Romanian Journal of Geography*** (expected at the end of 2018)
- G. CAVUTA, D. DI MATTEO, F. FERRARI, M. FUSCHI, *Abruzzo as two-faced region: between vulnerability and environmental safeguard*
  - N. DAMIAN, R. SĂGEATĂ, *Ethnical minorities in the Romanian sector of Dobrogea*
  - S. ĐUKIČIN VUČKOVIĆ, J. ĐORĐEVIĆ, J. MILANKOVIĆ JOVANOVIĆ, L. IVANOVIĆ BIBIĆ, T. ĐORĐEVIĆ *Socio-geographical characteristics as limiting factors of regional development, Kolubara District, Republic of Serbia case study*
  - GRIGORESCU, G. KUCSICSA, A. POPOVICI, B. MITRICĂ, M. DUMITRAȘCU, I. MOCANU *Regional disparities in the urban sprawl phenomenon in Romania using*

### *Corine Land Cover Database*

- J. MILANKOVIĆ JOVANOVIĆ, S. ĐUKIČIN VUČKOVIĆ, B. IVANOVNIC, *Possibilities for the development of lower Danube in the Republic of Serbia*
- B. MITRICĂ, I. MOCANU, M. DUMITRAȘCU, I. GRIGORESCU, *Is the Romanian Danube valley a cohesive region? A geographical approach*
- T. NURLAMBANG, *The effectiveness of decentralization in Indonesia. A case study of developing the marginal areas by the local authority*
- F. ZAHARIA, A.-Maria TALOȘ, *Evaluating the spatial connectivity and accessibility degree of the Dobrogea network settlements.*
- In preparation: the Commission prepare a book under the title: *Dilemmas of regional and local development (Routledge book)*.

### **Concepts and planning of regional and local development**

- *Redefining the task of regional development in the Fourth Industrial Revolution* – T. Sorensen (AUSTRALIA)
- *Participatory assessment of regional development as a method for emancipatory history writing:*
- *experiences with PADev.* – T. Dietz (THE NETHERLANDS)
- *Dilemmas for regional development in the Poland's spatial planning* – J. Bański (POLAND)
- *Territorial development in Romania: between competitiveness and cohesion. Local and regional disparities* – B. Mitrică, I. Grigorescu, I. Mocanu, P. Șerban, M. Dumitrașcu (ROMANIA)
- *Geographic and Institution Matters in Achieving Sustainable Development in Indonesia* – T. Nurlambang (INDONESIA)
- *Regional Development Policy and practice in Ghana: past, present, and future* – B. Ofori-Amoah (USA)

### **Challenges and opportunities for strengthening the regional and local economy**

- *Challenges and Opportunities for Strengthening the Local Economy* – Peter Elias (NIGERIA)
- *Measures of regional development on the example of Poland* – M. Mazur, D. Mazurek (POLAND)
- *Diagnosis of demonetization and its impact assessment on regional development- An Indian experience* – B. Srinagesh (INDIA)
- *Pro-Poor Local Economic Development and the Demand for Economic Growth: LED strategies for inclusive development in South Africa* – A. Gunter (SOUTH AFRICA)
- *Staying alive by going glocal: A case study of the towel-related industry balancing FDI and the local industrial cluster in Shikoku, Japan* – A. Taira (JAPAN)

- Development and Dependency in the Fijian Periphery: Kadavu Island and its Kava Production – M. Sofer (ISRAEL)

#### **4. Archival Contributions**

Copies of all materials and publications sent to the IGU Secretary General.

#### **5. The Mission, Objectives and Continuation**

The IGU Commission on Local and Regional Development provides an international forum for the study of issues related to such matters as local and regional development, reorganization of space, local development in the urban and rural space, and the role of institutions in the spatial organization. The interests of the Commission are exhibited in developing and developed regions and nations. Our mission is to advance international research, scholarship and knowledge in a variety of domains concerning local and regional development through:

- the development and dissemination of theoretical, conceptual and methodological frameworks concerning local and regional development;
- the discussion of wide range of empirical and policy issues;
- to widen of the scope of the debate on the topics of “local and regional development” in different national and institutional contexts.

The Commission is a dedicated group of scholars aiming to advance international knowledge of a variety of issues concerning local and regional development. The Commission's program involves organising meetings each year and expanding its intellectual network through academic conferences, publications and website. The Commission proposes to continue to be active through both its established international steering committee and by expanding its list of corresponding members. We have a number of plans and challenges, that we would like to pursue in the future.

#### **6. URL of the commission’s website.**

Website:

<http://igu-clrd.igipz.pan.pl/home.html>

## **C16.29 Marginalization, Localization, and Regional and Local Responses**

### **1. Membership**

#### **1.1. Steering committee 2016-2020**

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## **2. Meetings**

Since, there was the regional conference held in Quebec City in August, hosted by the department of geography at Laval University, we focused on this event.

### **2.1 Business meetings**

The Commission held a business meeting open to all members, old and new, on Wednesday, August 8, during the Regional Congress of the IGU in Quebec City. Twelve people participated. The rest of the time, the Steering Committee function by email exchanges.

### **2.2. Regional Congress of the IGU in Quebec City**

Our commission met during the 2018 Regional Conference of the IGU in Quebec City, Canada, that took place from August 6 – 11. The papers were organized in five sessions, partly in collaboration with the Commission on Regional Development. At first, the Commission on Tourism was supposed to join, the way the organization of the program was made did let us much room for that kind of collaboration. However, even the cooperation of the first two commissions was not recognized as such in the program. It has to be noted that the organizing committee of the Congress made a mistake with the identification of the Commission: our Commission bears the number C16.29 but was wrongly identified as 31 during the congress in all the published documentation, which led to some irritation.

Five paper sessions were held on Tuesday, August 7 (sessions 1-4) and Thursday, August 9 (session 5) with the 19 following papers:

## **2.3. Upcoming conferences**

### **i) 7<sup>th</sup> EUGEO Conference Galway, May 15-18, 2019**

The Association of Geographical Societies in Europe (EUGEO) will hold its 7<sup>th</sup> conference in Galway, Ireland, in conjunction with the conference of Irish geographers. Our commission will present a session, entitled *Marginality in the European context seen through geographical lenses*. The session will be convened by Stanko Pelc (coordinator), Fátima Velez de Castro (University of Coimbra-CEGOT), Walter Leimgruber (Fribourg University) and Steve Déry (Laval University).

### **ii) Nepal, December 8 – 15 2019 (tentative dates)**

Our member Pushkar Pradhan has offered to organize our 2019 annual conference in his country. The tentative date, just before the Christmas break, is justified by the weather. Winter is the best season to visit Nepal as it is the dry season. The tentative title is *Natural Disasters, Marginalized Regions and Labour Migration*. The conference will include paper sessions and a 5-day field trip to Sirubari village and surroundings, southwest of Pokhara. Situated around 1,500 – 1,600 m asl, the village offers accommodation in a homestay and is home to a unique ethnic group. Further information will be mailed in the next few weeks.

### **iii) Romania and Turkey, 2020**

We also have an offer from RaularianRusu, a colleague from Romania, to hold a Commission conference just before the next IGU Congress in Turkey (2020), so our members can participate to both events. The Steering Committee will work during the next few months to materialize these two projects.

## **3. Networking**

### **3.1. Collaboration with other IGU Commissions and Task Forces**

For the IGU Regional Congress in Quebec City, we planned collaboration with two other commissions: Commissions on Local and Regional Development (chair: Jerzy Banski) and on Geography of Tourism, Leisure and Global Change (chair: Dieter K. Müller). Unfortunately, the way the submission of abstracts and panels was organized messed up things and it was not really possible to go further. At least, we managed to organize all of our five panels under the umbrella of our Commission and the Commission on Local and Regional Development; the only problem is that it was not recognized as such in the program.

### **3.2. Other collaboration**

We had no formal collaboration with other organizations, with the International Social Science Council or the International Council for Science.

## **4. Publications**

### **4.1. 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, five short NewsFlashes were sent to our members in 2018. They are a new means to inform members during the year of specific events or new publications.



## 4.2. Books and other publications

As a reminder, in 2016, Springer started the publication of a new series, *Perspectives on geographical marginality*. Three volumes have been published so far:

- Chand R. & Leimgruber W. (eds. 2016), *Globalization and marginalization in mountain regions. Assets and Challenges in Marginal Regions*, vol. 1 of the series *Perspectives on Geographical Marginality*, edited by Walter Leimgruber, Etienne Nel and Stanko Pelc, Springer
- Chand R., Nel E. and Pelc S. (eds. 2017), *Societies, Social Inequalities and Marginalization. Marginal regions in the 21<sup>st</sup> century*, vol. 2 of the series *Perspectives on Geographical Marginality*, edited by Walter Leimgruber, Etienne Nel and Stanko Pelc, Springer
- Pelc S. and Koderman M. (eds. 2017), *Nature, tourism and ethnicity as drivers of (de)marginalization. Insights to marginality from perspective of sustainability and development*, vol. 3 of the series *Perspectives on Geographical Marginality*, edited by Walter Leimgruber, Etienne Nel and Stanko Pelc, Springer

## 5. The current accurate URL of the commission's web site

The new website address is:

<https://sites.google.com/view/igugeographicalmarginality/geographical-marginality>

It has been organized by one of our member, Stanko Pelc from Slovenia.

## C16.30 Mediterranean Basin

### 1. Membership

#### 1.1. Steering Committee 2016-2020:

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Lluís Frago

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Anton Gosar

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Naji Khedi

Université Libanaise – Zahlé, Saida, Lebanon (Young Scholars Committee) [naji.kehdy@hotmail.com](mailto:naji.kehdy@hotmail.com)  
(resigned for personal reasons on November 2018)

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Jelena Lukovic

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Anastasia Stratigea

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## 1.2. Honorary Board

- *Antoine Bailly*, University of Geneva (antoine.bailly@unige.ch)
- *Annick Douguédroit*, University of Marseille-Aix en Provence ([Annick.Douguedroit@univ-provence.fr](mailto:Annick.Douguedroit@univ-provence.fr))
- *Aharon Kellerman*, University of Haifa, Israel, (akeller@univ.haifa.ac.il)
- *Maria Sala*, University of Barcelona, Spain (sala@trivium.gh.ub.es)

## 1.3. Corresponding members:

The total number of corresponding members is: **200 ca. A good amount comes from developing countries.**

Members come from: Algeria, Australia, China, Croatia, Egypt, France, Finland, Germany, Greece, Ireland, Israel, Italy, Japan, Lebanon, Montenegro, Morocco, Palestine, Portugal, Russia, Serbia, Slovenia, Spain, Saudi Arabia, Sweden, Tunisia, Turkey, UK, and US.

The majority of Colleagues from MENA countries use yahoo or gmail accounts; some of them are based in France; some colleagues may use a yahoo.fr but they work and live in North Africa.

## 2. Meetings

1. **ANNUAL COMB CONFERENCE 2018** within the premises of IGU Quebec August 2018
2. **ANNUAL COMB CONFERENCE 2018 Jointly with MEDCLIVAR September 2018 Beograd** [Http://Www.Medclivar2018conf.Eu/Index.Php/Organization](http://www.Medclivar2018conf.Eu/Index.Php/Organization) (COMB Steering Jelena Lucovic Co-Organiser; Maria Paradiso In Conference Steering Committee).

## 3. Networking and communication

- A. Cooperation with MEDCALIVAR CONFERENCE Beograd 2018 (COMB ref. person Jelena Lukovic, COMB Steering)
- B. Collaboration with other international, intergovernmental, and inter- and multi-disciplinary.

### 3.1. The commission has stable cooperation with the following scientific organisations:

- **ICSU Italy** (M. Paradiso on National Board) and Morocco.
- **AIC association Internationale de climatologie** (A. Douguedroit et L. Henia)
- **MEDCLIVAR** (P. Lionello)
- **Academia Europaea London** (Interdisciplinary Academy); Academia Europaea 'Mediterranean Hub in Barcelona (Maria Paradiso).
- inter- and multi-disciplinary Young Academia Europaea Initiative (for the benefit of COMB Young Scholars; for AE Prof. J. Peltzer Heidelberg).
- inter- and multi-disciplinary United Nations University on Mobility and Migration, Barcelona Campus (ref. Director Parvati Nair and COMB Char Maria Paradiso), IMIS Osnabruek; MIGRINTER POITIERS; Marine Excellence Research Centre University of Kiel (Professor Silya Klepp).

- international, intergovernmental Anna Lindh Foundation (Euromediterranean cultural Cooperation for Union for the Mediterranean), COMB is representative in AL via EUROGEO; COMB has partnerships with Eurogeo for representing on behalf of Eurogeo and COMB Mediterranean focus initiatives where laws admit only Europe-based organisation.
- EUGEO (Prof. Kovacs and Tabusi) and EUROGEO, the Association of European Geographers (Prof. Donert)
- AAG-Association of American Geographers (Europe and Middle East Specialty Group)
- international, intergovernmental the Euro-Med University EMUNI being one of the founding members, Portoroz Slovenia.
- international, intergovernmental the Union for the Mediterranean the EU-Med policy initiative in particular with the Secretariat of Education and Research (Prof. Chet), Secretariat of Social Affairs (Hon. Cecilia Attard).
- the CERES-Centre d'Etudes Sociales-économiques de Tunis.
- ENSB Ecole Supérieure de Bouzereah, Algeria
- National Council of Research Italy
- Israeli Academy of Sciences (geography representative)
- French Association of Geographers (ref. Professor Antoine Le Blanc)
- Catalan Research Institute, Spain (Professors Guerero and Garcia Ramon)
- Tunisian Association of Geographers (Professor Ben Boubaker)
- Turkish Geographical Society and Ankara Research Centre on History, Geography, Language (Professors Taertek, Goncegil, Cicek)
- Morocco: Rabat Agdal University (Geography Department), Mohamed V ; Marrakesh Cady Ayyad, Hassan II; Fès University.
- Palestinian Geographical Society and Journal (Prof. H. Al Rimmawi)
- EuroMediterranean Cluster on Smart City and Blue Growth (Prof. Stratigeia, Athens Polytechnic)

### **3.2. The commission has stable cooperation with the following Journals:**

- Europa Regionale (Leipzig University)
- Insularis Geographia (Palma Mallorca University)
- Miscellanea Geographica (Warsaw Dept of Geography)
- La Méditerranée (Marseille-Aix)
- Documenti Geografici (Italy)
- Euromediterranean International Journal (Portoroz)
- Espace Politique (France, Editor Stéphane Rozière)
- Turkish Geography Review
- Palestinian Geographical Society Journal (COMB members recently joined the international board)

## **4. Publications**

1. Maria Paradiso (Editor) Mediterranean Mobilities and Europe changing relationships. Crisis, encounters, Change; Springer 2019 (issued in 2018)

2. Stratigea, Anastasia, Kyriakides, Elias, Nicolaides, Chrysses (Eds.) 2018 Smart Cities in the Mediterranean. Coping with Sustainability Objectives in Small and Medium-sized Cities and Island Communities. Springer.

## **5. Future plans and activities**

- **IGU 2019 Thematic Conference Koper:** COMB is co-organiser.
- *A SPECIAL interest is in IGU Istanbul 2020 Congress* since a Mediterranean country will hold the Congress. We are interested in active cooperation with Istanbul LOC in selecting topic, keynotes with a special relevance for the Region in a Global scenario.

## **6. Archival Contribution.**

Reports are available via IGU coordination. Books can be sent under Authors/Editors availability.

## **7. Website**

The current accurate URL of the commission's web site. <http://igu-mediterraneanbasin.org/>

## **C16.31 Modelling Geographical Systems**

# **C16.32 Political Geography**

## **1. Membership**

### **1.1. Steering Committee**

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## **2. Meetings**

1. Activities at the IGU 2018 Thematic Conference “Practical Geography and XXI Century Challenges” Moscow, Russia, 6-8 June 2018
2. Activities at the 2018 Regional Conference “Apprécier la difference/Appreciating difference” in Québec, Canada, 6-10 August 2018
3. CPG Co-sponsored III Congresso Brasileiro de Geografia Política, Geopolítica e Gestão do Territórioconference, Niterói, Rio de Janeiro, 10-13 September 2018
4. Co-sponsored Conference : The 16th International ‘Lodz’ Conference On Political Geography: “The role of the State in the era of Globalization”, Skorzecin near Gniezno, Poland, September 12-14, 2018.
5. Co-sponsored Doctoral Forum on “The Belt and Road & Political Geography” Sun-Yat-Sen University, Guangzhou, China, 19-22 August 2018 , 75 participants



6. Activities at the 16<sup>th</sup> BRIT Conference (BRIT=Border Regions In Transition) “North-South Dialogue on Border Management”. The University of Ibadan, Nigeria / Université d’Abomey-Calavi, Cotonou, Benin 15-18 October 2018, 160 participants

### 3. 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, and Education , and with Islands and Geomorphology

**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 BRIT (Border Regions in Transition), ABS (Association of Borderlands Studies), Società Geografica Italiana, EuGeo, Association of American Geography Political Geography Study Group, Research Committee 15 (Political and Cultural Geography) of IPSA (International Political Science Association) and many 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.**

### 4. Publications

**4.1. Newsletters, special journal issues, and books published in 2012-2013 (please provide complete citations for all publications).**

Newsletters are available on the website of the Commission on Political Geography including the newsletter edited in 2018 (nr. 23).

Follow-up of the activities of the Commission at the **IGU Thematic Conference *Geographies for peace / Geografías para la paz***, La Paz , April 2017:

Heriberto Cairo, Ulrich Oslender, Carlo Emilio Piazzini, Jerónimo Ríos, Sara Koopman, Vladimir Montoya Arango, Flavio Bladimir Rodriguez M., Liliana Zambrano Quintero, (2018) “Territorial Peace”: The Emergence of a Concept in Colombia’s Peace Negotiations” *Geopolitics* 23(2) 464-488.

Nick Megoran & Simon Dalby (2018) Geopolitics and Peace: A Century of Change in the Discipline of Geography, *Geopolitics* 23(2): 251-276.

### 5. The current accurate URL of the commission’s web site

<http://www.igu-cpg.unimib.it/>

The webmaster is: Anna Casaglia, Anna Casaglia [anna.casaglia@uef.fi](mailto:anna.casaglia@uef.fi)

The Commission has got also a mailing list;

**in order to Subscribe to the CPG new mailing list, it is necessary to send** an empty email to [IGU-CPG-join@list.uva.nl](mailto:IGU-CPG-join@list.uva.nl)

or to send an email to the administrator [v.d.mamadouh@uva.nl](mailto:v.d.mamadouh@uva.nl)

pm

The Commission has got a Facebook group.

IGU CPG Commission on Political Geography

<https://www.facebook.com/groups/456054597763023/>

To **become a member**, it is necessary to join Facebook and to send a request to the group administrator. [elena.dellagnese@unimib.it](mailto:elena.dellagnese@unimib.it)

## **C16.33 Population Geography**

### **1. Membership**

#### **1.1. Commission on Population Geography Steering Committee Members, 2016-20**

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### **1.2. Commission members by country as of 15 December 2018**

The commission counted 374 corresponding members as of 15.12.2017 and 390 as of 15.12.2018. The country profile remained similar.

### **1.3. Commission's URL**

The Commission has a website <http://www.igu-popgeo.org/>. The website is managed by Nikola Sander.

## **2. Meetings**

### **2.1. Meetings organized (or sponsored) in 2018**

Moscow	IGU	Russia 4-6 June 2018
Québec	IGU	Canada 21-25 August 2018

### **2.2. Summary or program of meetings: Session organized and Questions addressed**

#### **Thematic conference IGU in Moscow (4-6 June 2018)**

The IGU Thematic Conference dedicated to the centennial of the Institute of Geography of Russian Academy of Sciences took place in Moscow from 4-6 June 2018. All details and abstracts can be found here: <http://100igras.ru/en/>

Among many interesting sessions and keynote speeches the Commission on population geography organized a session on "Population Migration, Mobility and Climate Change with a specific focus on Russia and neighboring countries".

- Migration Trends in the Post-Soviet Space Olga Chudinovskikh, Mikhail Denisenko
- Assessment of Climate Conditions Impact on the Socioeconomic Situation and Settlement Patterns in Russia's Regions T. Borodina, V. Vinogradova, O. Glezer, I. Sokolov, A. Zolotokrylin
- The "Migration Crisis" of 2015/16 in Europe: The Beginning of a New Migration Era? Etienne Piguet

#### **2.2.2. On 5 June 2018, our commission also co-organized a well-attended joint session: LAND-BASED SOLUTIONS IN A CHANGING ENVIRONMENT with the C16.26. LAND USE AND LAND-COVER CHANGE commission**

Key Directions of the Development of the Scientific and Coordination Center for Combating Desertification and Droughts (In Memory of Nikita Glazovsky) G. Kust, T. Kuderina, O. Andreeva, A. Zolotokrylin, S. Kostovska, S. Suslova, V. Lobkovsky

- Understanding the Dynamics of Agricultural Regions: Complex Analysis of Land Use and Land Cover Data A. Naumov, O. Klimanova
- Migration, Mobility and Climate Change Research: State of the Art Etienne Piguet
- Implications of Post–Soviet Agricultural Land–Use Change on Soil Organic Carbon Balance Across the Steppes of Former Soviet Union Alexander V. Prishchepov, Irina Kurganova, Florian Schierhorn, Valentin Lopes De Gerenyu, Christoph Müller, Susanne Rolinsky, Ksenia Myachina, Yakov Kuzyakov
- The Emergence and Delay of the New Environmental Paradigm in V4 Countries — Challenges of Sustainable Land Management András Donát Kovács, Jenő Zsolt Farkas
- Land Degradation Neutrality: Global Vision and Perspectives Barron Joseph Orr, Jamal Annagylyjova

### **2.3. Meetings and other events planned by the Commission, 2019**

10 janvier 2019: Rencontre scientifique interdisciplinaire: environnement, changement climatique, populations. Université Gaston Berger – Saint Louis – Sénégal. Sponsored by the IGU commission on population geography. Details here: [http://www.unine.ch/files/live/sites/inst\\_geographie/files/shared/Accueil/Actualit%c3%a9s%20Publications/Pr%c3%a9sentation\\_Colloque.pdf](http://www.unine.ch/files/live/sites/inst_geographie/files/shared/Accueil/Actualit%c3%a9s%20Publications/Pr%c3%a9sentation_Colloque.pdf)

1 July-3 July 2019 Loughborough University, UK, will be the venue for the 10th International Conference on Population Geographies (<http://www.lboro.ac.uk/about/find-us/>). The overall theme of the conference will be: Resilient Populations. There will be optional fieldtrips on Sunday 31 June (4pm onwards) and Weds (3 July) afternoon/early evening.

10-12 October, 2019 7th International Conference on Gender Studies Gender, Space & Place and Culture Center for Women's Studies Eastern Mediterranean University BE 159, Famagusta, Turkish Republic of North Cyprus. The 7th International Conference on Gender Studies will be held in Famagusta, North Cyprus on by the Center for Women's Studies of the Eastern Mediterranean University.

The goal of the conference is to provide a place for scholars, experts, professionals and activists with interdisciplinary backgrounds related to gender and space relations to exchange new ideas and latest researches. We seek to create a ground to examine relations between various disciplines such as urban planning, architecture, politics, gender and women's studies, anthropology, environmental studies, sociology, and history. [gspc@emu.edu.tr](mailto:gspc@emu.edu.tr) Sponsored by the IGU commission on population geography.

## **3. Networking**

### **3.1. Links with other IGU Commissions and Taskforces**

- As the report on meetings listed above has illustrated the commission has engaged with several other IGU Commissions.

- The commission plans to pursue the fruitful contacts. Especially C08.17 Global Change and Human Mobility, C12.10 Gender and Geography and the new Commission on African Studies
- Collaboration with other International and Inter-disciplinary Groupings, 2018 existing collaborations (e.g. with the International Population Geographies Conference series, Population Geography Research Group of the RGS-IBG) will be maintained.

## **4. Publications**

### **4.1. Newsletters, Special journal issues and Books**

#### **Newsletter**

The Commission has produced one Newsletter each year. All Newsletters are available on the website.

### **4.2. Selected Books**

- Shen J, 2018, Urbanization, Regional Development and Governance in China. London: Routledge. <https://www.taylorfrancis.com/books/9781351389235>
- Liu-Farrer G and Yeoh BSA, 2018, Routledge Handbook of Asian Migrations. London: Routledge. <https://www.routledge.com/Routledge-Handbook-of-Asian-Migrations/Liu-Farrer-Yeoh/p/book/9781138959859>

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.

### **4.3. 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**

The content of Newsletters is archived on the website. Copies are always sent to IGU secretary general upon publication.

## **6. Commission's URL**

The Commission has a website <http://www.igu-popgeo.org/>. The website is managed by Nikola Sander.

## C16.34 Sustainability of Rural Systems

### 1. Membership

#### 1.1. Steering Committee Members

Serge Schmitz M (2016-2020)	Belgium	U. of Liege	s.schmitz@uliege.be
Holly Barcus F (2016-2020)	USA	Macalester College	barcus@macalester.edu
Frans THISSEN M (2012)	Netherlands	U. of Amsterdam	J.F.C.M.Thissen @ uva.nl
Roy JONES M (2012)	Australia	Curtin U.	r.jones @ curtin.edu.au
Catalina ANCUTA F (2013)	Romania	West U. of Timisoara	catalina.ancuta @ e-uvr.ro
Doo-Chul KIM M (past Chair)	Japan	Okayama U.	kim @ cc.okayama-u.ac.jp
Ana FIRMINO F (past chair)	Portugal	U. Nova de Lisboa	am.firmino @ fcsh.unl.pt
Valerià PAÛL M (2016)	Spain	U. Santiago de Compostela	v.paul.carril@gmail.com
Aleksandar LUKIĆ M (2016)	Croatia	U. of Zagreb	alukic@geog.pmf.hr

The SC members have decided in Santiago to invite Marcin Wojcik (University of Lodz, Poland) to join the Committee in 2019 and to look forward for one or two colleagues from Asia or South America.

### 2. Meetings

The commission organizes one Colloquium per year including both paper sessions and fieldwork. We change of continent to give more opportunities to colleagues from different countries to participate to the Colloquium and the work of the Commission. The CSRS also organizes sessions during the main IGU Conference and takes part to the organization of several meetings.

#### 2.1. 2017 Annual CSRS Meeting: Vietnam

The 25<sup>th</sup> Colloquium was organized in Vietnam (16 – 22 April 2017) under the theme: Rural spaces in a multifunctional transition: experience and adaptation. We convened a successful Colloquium of our commission hosted by University of Social Sciences and Humanities – Vietnam National University in Ho Chi Minh City. We had 3 plenary sessions, 9 panel sessions and 1 poster session, cover different topics) and 4-day field trip in the Mekong Delta. Joining the 3-day colloquium in Ho Chi Minh City were 75 professors, researchers from worldwide universities and research institutes of Australia, Belgium, China, Croatia, France, Italy, Japan, Korea, New Zealand, the Philippines, Poland, Portugal, Spain, Switzerland, Turkey, the USA and Vietnam, with 58 presentations and posters having sent to colloquium's organizers. 44 people attended the fieldwork excursions. The field trip met the objective of introducing participants to: (1) the daily life of peasants in the Mekong Delta, their principal economic activities such as rice production, fruit gardening and aquaculture, (2) the varied landscapes of the delta (plains, wetlands, mountains and system of waterways) and (3) some forms of rural tourism (homestay, community-based tourism, pilgrimage and ecotourism). A selection of papers presented in the colloquium are published by the *Journal of Science and Technology Development* of Vietnam National University in Ho Chi Minh City (ISSN: 1859-0128).



## **2.2. 2018 Annual CSRS Meeting: Spain**

The 26th CSRS Colloquium (16-21 July 2018) is specifically focused on bridging gaps raised in academic debates by offering a consistent set of questions around six selected broad themes. The debates regarding sustainability acknowledge that the Earth is finite, but the existing gaps can be addressed, and examined, through infinite rural systems. We welcome discussion in this respect in Galicia in July 2018. Despite “system” being a contested term in the social sciences, it frames a body of research that takes into account internal and external interrelationships, embracing social, cultural, political (including planning), environmental and economic issues. Reconciling these broad, but often contradictory themes, is part of the aim of bridging the gaps for the purposes of this CSRS Colloquium. Furthermore, identified gaps to be considered are related to geographical scales; for instance between the global arena (globalisation, world trade arrangements, global and climate change, etc.) and regional and local spaces of adaptation, or contestation. The regulatory spaces of nation-states (with or without devolved institutions) and supra-national structures interact at multiple scales, resulting in a complex web of inter-relationships. Extended abstracts were published in a book that contains 61 papers written by 128 authors from Europe (93), Asia (16), Australia (12), Latin America (3), Africa (2) and North America (2). The rich fieldwork develops rural development in peripheral areas and the issue of heritage as an asset for sustainable development. Another book was published to encompass the information concerning the questions debated on field.

## **2.3. 2019 Annual CSRS Meeting: Saint Paul, Minnesota (USA) (in planning stages)**

The 27th CSRS Colloquium will take place in Minnesota (21-26 July 2019) and is organized by the Geography Departments at Macalester College and the University of Wisconsin – Eau Claire. The 6-day Colloquium fosters international collaboration and information exchange specifically focused on concepts of economic, social, and environmental sustainability of rural systems. The key organizing theme of the 2019 Colloquium is *Sustaining Rural Systems: Rural Vitality in an Era of Globalization and Economic Nationalism*. The Colloquium and Field Study are organized around four sub-themes highlighting the importance of “local” while interrogating the relationships between local social and economic vitality and national and global trends.

## **2.4. 2020 Annual CSRS Meeting: Zagreb-Zadar (Croatia), (in preparation).**

The steering committee decided to organize the 2020 conference in Croatia under the supervision of Aleksandar Lukić.

## **2.5. IGU- UGI Regional Conference, Quebec City 2018**

Four sessions were organized or co-organized by the Commission during the 2018 IGU Regional Meeting in Quebec. Co-Chairs Barcus and Schmitz attended the meeting and chaired / co-chaired several sessions.

C36-SP1. Rural Migration and Community Change

C36-SP3. Rural Land Resources and Agricultural Change (with AGLE commission)

C36-SP6. Service Provision and Rural Sustainability: Infrastructure and Innovation

C36-SP100. Sustainability of Rural Systems OPEN SESSION / SESSION OUVERTE

26 papers were presented. One special issue of the Review RIVAR (ISSN 0719-4994) will collect the papers presented in the session Rural Land Resources and Agricultural Change.

### 3. Networking

- 3.1. **IGU-AGLE**: Yulin, China, 26-29 August 2017. Agricultural Geography and Land Engineering inaugural conference. Co-Chair **Barcus** attended the inaugural conference of the IGU- AGLE Commission. She gave a keynote address titled “Contested Space, Contested Livelihoods: An Overview of Two Decades of Pasture Management and Land Tenure Reform in Mongolia” and was Chair of two paper sessions and Discussant for two paper sessions at the conference.
- 3.2. **EUGEO** Brussels, 4-6 September 2017. CO-Chair Serge Schmitz was member of the Organizing committee and co-organizes three sessions on Rural Europe: Territorial perspective and rural development (11 papers from Belgium, France, Hungary, Israël, Italy (2), Japan, Portugal, Romania & Spain)
- 3.3. **EUGEO** Galway, 15-18 May 2019. Two sessions will be organized under the auspice of the IGU-CSRS: “Agrofood systems transformation” and “Landscape garbling”.
- 3.4. **AAG Annual Meeting** in New Orleans, Louisiana. Two sessions are co-sponsored by the Rural Geography Specialty Group of the AAG (described below). Global Rural Transitions and Sustainability (IGU-CSRS sponsored) and Rural Geography in Africa, Asia, and Middle and South America
- 3.5. **AAG Annual Meeting** in Washington D.C., 2019. One session with 5 papers is currently prepared.
- 3.6. The 13th **Korea-China-Japan Joint Conference on Geography** was organized by past chair Kim in Chongqing, China in 2018. (Kim D.C.)
- 3.7. The 4th **Asian Conference on Geography**” in Guangzhou, China was organized by past chair Kim in 2018.
- 3.8. The **Korean Rural Geography** Association was organized by past chair Kim in 2018.

### 4. Publications

Two special issues from the **CSRS 2016** Conference in Liège were published in fall 2017.

- Schmitz S. & Dubois C., (Eds) 2017. La durabilité des systèmes ruraux : concilier héritage et innovation, Sustainability of Rural Systems: Balancing Heritage and Innovation, Belgeo 2016-4. ISSN 2294-9135  
<http://journals.openedition.org/belgeo/19320>
- Dubois C., Firmino A., Kim D.-C. & Schmitz S. (Eds) (2017). Balancing Heritage and Innovation in sustainable rural systems, BSGLG, vol. 69, 94p. .ISSN 0770-7576 ISBN 2-87298-022-9 <http://popups.ulg.ac.be/0770-7576/>

19 contributions are included in the two volumes.

- Antrop M. (2017). Balancing heritage and innovation – the landscape perspectives. BSGLG, 69: 47-51.
- Bicalho A.M. & R. Peixoto (2017). Farmer and Scientific Knowledge of Soil Quality: A Social Ecological Soil Systems Approach. Belgeo, 2016/4.
- Bousbaine A. & C. Bryant (2017). Les systèmes innovants alimentaires, cas d'étude : la Ceinture Aliment Terre de Liège. Belgeo, 2016/4.
- Cawley M. (2017). A strategic approach to protecting the sustainability of a natural heritage and tourism resource: the river Moy, Ireland. BSGLG, 69: 53-62.
- Ciervo M. (2017). The olive rapid decline complex (ORDC) diffusion in Apulia Region: An apparent contradiction according to the agricultural model. Belgeo, 2016/4.
- Dal Borgo A.G. & G. Gambazza (2017). From abandoned village to ecovillage: a sustainable tourism experience by the community of Torri Superiore. BSGLG, 69: 63-78.

- Douet M. (2017). Du bon usage du bocage : la haie bocagère au cœur des enjeux de développement durable. Belgeo, 2016/4.
- Firmino A. & D.C. Kim (2017). Balancing Heritage and Innovation: Pathways towards the sustainability of Rural Systems. An Introduction, BSGLG, 69: 5-7.
- Hoefle S. & A.M. Bicalho (2017). Nature Enclosures: Historic Peasants versus Public and Private Conservation Units of the Paraguay River in the Pantanal Wetlands of Western Brazil. Belgeo, 2016/4. Jones R. & A. Buckley (2017). From the horse and cart to the internet: a century of rural connectivity change in rural Western Australia. BSGLG, 69: 9-16.
- Kumer P. & I. Potočnik Slavič (2017). Heterogeneous small-scale forest ownership: complexity of management and conflicts of interest. Belgeo, 2016/4.
- Mathis D. (2017). Quelles trajectoires pour les territoires ruraux d'étangs en Lorraine (1970 à nos jours)?. Belgeo, 2016/4.
- Nguyen T.M.A., Kim, D.C & F. Ubukata (2017). Negotiating the state-making in Vietnam borderland – Case study of an ethnic minority group in Central Vietnam. Belgeo, 2016/4.
- Robinson G.M. & S.R. Robinson (2017). Improving landscape or recreating the picturesque? Three historic rural landscapes in the English Midlands. Belgeo, 2016/4.
- Rudnicki R., Dubownik A. & M. Biczkowski (2017). Diversification of sources of income in agricultural holdings in the context of multi-functional development of rural areas in Poland. Belgeo, 2016/4.
- Schmitz S. & C. Dubois (2017). Sustainability of Rural Systems: Balancing Heritage and Innovation. Belgeo, 2016/4.
- Schmitz S. & C. Dubois (2017). Tensions sur le devenir des campagnes wallonnes. Notes de terrain BSGLG, 69: 81-94.
- Spagnoli L. & L. Mundula (2017). The family farming: a traditional model to foster the agriculture innovation. BSGLG, 69: 17-28.

# C16.35 Toponymy (Jointly with International Cartographic Association)

## 1. Membership

### 1.1. Members (Steering board)

Chairs: Cosimo PALAGIANO (IGU), Peter JORDAN (ICA),  
Vice-Chair: Paulo DE MENEZES (common IGU/ICA)  
Choo, Sungjae (Republic of Korea) [sjchoo@khu.ac.kr](mailto:sjchoo@khu.ac.kr)  
Ferland, Yaïves (Canada) [Yaives.Ferland@hst.ulaval.ca](mailto:Yaives.Ferland@hst.ulaval.ca)  
Jordan, Peter (Austria, Common IGU/ICA vice-chair) [peter.jordan@oeaw.ac.at](mailto:peter.jordan@oeaw.ac.at)  
Menezes, Paulo de (Brazil, ICA co-chair) [pmenezes@acd.ufrj.br](mailto:pmenezes@acd.ufrj.br)  
Ormeling, Ferjan (Netherlands) [f.ormeling@geo.uu.nl](mailto:f.ormeling@geo.uu.nl)  
Palagiano, Cosimo (Italy, IGU co-chair) [cosimo.palagiano@uniroma1.it](mailto:cosimo.palagiano@uniroma1.it)  
Raper, Peter (South Africa) [raperpel@iburst.co.za](mailto:raperpel@iburst.co.za)  
Watanabe, Kohei (Japan) [kw10004@cam.ac.uk](mailto:kw10004@cam.ac.uk)

## 2. Meetings

### 2.1. 29<sup>th</sup> UNGEGN Session, Bangkok, 25-29 April 2016

Presentation of the Commission in a side event. The twenty-ninth session of the United Nations Group of Experts on Geographical Names was held at the headquarters of the Economic and Social Commission for Asia and the Pacific in Bangkok from 25 to 29 April 2016, in accordance with Economic and Social Council decision 2014/240. This conference primarily focused on the importance of work in supporting United Nations Conferences on the Standardization of Geographical Names and the essential assistance it continues to afford Member States in the standardization of geographical names and related areas of cartography and geographical information management. 171 participants from about 50 UN State members and 9 observers attended. Cosimo Palagiano represented the IGU as observer. Other 10 members of the Commission on Toponymy actively attended.

### 2.2. IGU Congress, Beijing, 21-25 August 2016

Commission session titled “Place names as social constructs”. So far about 10 abstracts submitted. About 40 participants of the Commission attended. At the Session presented by the IGU-ICA Commission “Place Names As Social Constructs” 10 papers were approved about the *Economic value of other side of place names* (by Sungjae Choo et al.), *The Toponymic Brand Equity in Seoul, Korea* (by Heesu Kim et al.), *Metamorphic Toponymic identities in urban villages of NCT of Delhi* (by Kriti Kanaujia), *Post-colonial urbanization and changes of vernacular Toponyms around Bupyeong-gu, Incheon* (by Je Hun Ryu), *Diachronic analysis of the Geodonymic (street name) space of Ashtana City* (by Madina Tussupbekova et al.), *The definition of Toponyms Mentioned in Secret History of Mongols* (by Dash Doljin), *Spatial Patterns of Manchu Place Names in Northeast China* (by Zhu Zhenhua et al.), *Probing the place identity via the naming of bus stops* (by Dong Po Deng), *Cultural Interpretation of place name brand in the process of Marketization – As an example of “ChenMai Bailian Goose”* (by Zhaoliang Zhangzhengsheng), *Spatial politics of street names between Taipei and Shanghai* (by Huang Wenchuan).

### **2.3. Regional Pan-American Symposium on Toponymy; in co-operation with PAIGH, IBGE and ICSU Americas, Rio de Janeiro, 15 – 17 March, 2017.**

The International Pan American Symposium on Toponymy, organized by the Joint ICA/IGU Commission on Toponymy, was held from May 3 – 5, in Rio de Janeiro, Brazil. The Symposium had the support of the Federal University of Rio de Janeiro, through the Post Graduation Program in Geography and GeoCart, Laboratory of Cartography of the Department of Geography, the Pan American Institute of Geography and History, PAIGH, as well as the Brazilian Institute of Geography and Statistics, IBGE. The location in the Centro de Ciências Matemáticas e da Natureza – CCMN, Universidade Federal do Rio de Janeiro (UFRJ) Av. Athos de Oliveira Ramos, 274, Cidade Universitária, Rio de Janeiro, RJ – Brasil was excellent in a department surrounded by a luxuriant garden.

We can highlight the presence of Prof. Paulo Menezes, organizer and ICA Chair of the Joint ICA/IGU Commission on Toponymy, Prof. Cosimo Palagiano, from Italy, IGU Chair of the Joint ICA/IGU Commission on Toponymy, Prof. Peter Raper from South Africa and Prof. Yaïves Ferland from Canada. Due to the concurrence of two events Peter Jordan. Common vice-Chair of the Joint Commission could not attend the Symposium. The event had 92 registered delegates from 8 countries, Brazil, Canada, Colombia, Portugal, Argentina, Dominican Republic, South Africa and Italy. There were 24 papers and 6 keynote oral presentations. During his welcome speech Cosimo Palagiano underlined the importance of the collaboration between geographers and cartographers, which was the aim when the Commission was planned in 2011 in Santiago de Chile and established in 2012 in Cologne. The interaction between geography and cartography is particularly essential in toponymy.

Paulo Menezes went over the history of our Joint Commission on Toponymy, whose founder fathers are. Ron Abler, Peter Jordan, Paulo Menezes and Cosimo Palagiano. The main themes were Toponymy on Maps, Toponymy and Education, Indigenous and Minority Toponymy. The old maps of Brazil presented by Paulo Menezes have been of particular interest, as well as the discussion on the above subjects. During the Closing Ceremony Peter Raper, Paulo Menezes and Yaïves Ferland delivered a speech on the excellence of the contributions and discussions, which were very interesting and deepened. Yaïves Ferland also disseminated the first circular of the 2018 International Geographical Union Regional Conference which will be held in Quebec City from August 6 to 10, 2018. The theme of the meeting is “Appreciating difference, Apprécier la difference”, which is a common Quebec expression. The website of the conference is: [igu2018.ulaval.ca](http://igu2018.ulaval.ca).

Cosimo Palagiano highlighted the presence and the activity of many young researchers, who are our future. To them we wish a bright future in life and research. The event was successful and one of the main decisions made by the plenary of the Closing Ceremony was to organize the SIPAT meeting every two years.

### **2.4. Pre-conference symposium of ICC Washington D.C. jointly with the ICA Commission on the History of Cartography, 29-30 June 2017.**

The ACI Workshop “Charting the Cosmos of Cartography: History – Names – Atlases has been held in the Library of Congress Geography and Map Division in Washington DC, 28-30 June 2017. This workshop has been organized by ICA Commission on the History of Cartography, ICA Commission on Toponymy, and ICA Commission on Atlases.

These about 25 papers have been presented: Ed Redmont, George Washington as Map Maker, Chas Langelaan, The Mason Dixon Line – a story of pioneering technical triumph, Derek Alderman, Naming Place as Doing Violence and Justice: Racism, Memory-Work, and Why Black Toponymies Matter,

Peter Jordan, The Use of Minority Place Names on Maps of the Third Austrian Military Survey – with a regional focus on Slovenian and Croatian lands, Jana Moser, Atlas-Maps and Atlases as Visualization of the Global Condition – School Atlases in Germany and in the United States, Lindsay Braun, An Agent in Pretoria: Fred Jeppe, the Cartography of the Transvaal, and British Imperial Knowledge before 1900, László Zentai, Transformation of relief representation from hachures to contour lines on the topographic maps in Hungary, Abel Hegedüs, Hungarian military mapping abroad 1919-1990, Cosimo Palagiano, The Ptolemy's Atlas maps and their amendments, Paulo de Menezes, Comparative Study of the Geographical Map of Rio de Janeiro Province, 1823 – An Attempt to Dating, Mark Monmonier, Motives for Patenting a Map Projection: Did Fame Trump Fortune?, Jan Mokre, Franz Ritter von Hauslaub (1798-1883) – An Austrian Representative of the Progress of Cartography in the 19th century, Imre Demhardt, Becoming Petermann: A Tale of Five British Atlases, 1848-1855, Peter Raper, Reconstructing and Mapping Prehistoric Toponyms, Elri Liebenberg, The Cape of Good Hope: The toponymic evolution of some of its topographical features as depicted on historical maps, Albina Apriadsa & Ari Cahyono, Defining Toponyms in Indonesia's Papua: Historical Political Interests and Native Legacies, Hyo Hyun Sung & Sejin Ahn, Developing the guideline for standardization of Marine Geographical Naming: Problem Oriented Analysis, Yaïves Ferland, Back to the Feature! Geographical Relationships among Place names Readable on Maps, Karen Cook, Drawn for the Mind's Eye: Map Metaphors in Early Modern English Literature, Eric Losang, The atlas narrative – new approaches reflecting on the development of US world atlases between the Civil War and World War I, Thomas Sculz, The Statistical Atlases of the Baltic States 1918-1940: First National Atlases of the three newly independent countries, Hussein Abdulmuttalib, History of Land and Marine Atlases, Maps and Images of Dubai, Francis Harvey, Herbert Bayer's 1953 World Geo-Graphic Atlas: A Novel Atlas at the time and still today, Igor Drecki, New Zealand: New Zealand Government Cartography: Mapping Ross Dependency. Two Technical Tours have been held: 1) Map Vault of the Geography & Map Division, and 2) Treasures of the Folger Shakespeare Library.

Some of these papers will be published in The Cartographical Journal, directed by Alexander Kent.

## **2.5. International Cartographic Conference, Washington D.C., 2-7 July 2017**

The ICA/IGU Commission had its usual toponymic sessions.

Location: Marriott Wardman Park Hotel, 2660 Woodley Road NW, Washington, District Of Columbia 20008 USA.

About 500 papers were presented and discussed. Paulo de Menezes chaired the Business Meeting of the ICA Commission on Toponymy. In the session of Commission of Toponymy Paulo de Menezes presented a paper on Toponymic Contributions in the area of Santa Cruz Farm – Rio de Janeiro Capitancy – Brazil, Cosimo Palagiano presented a paper on The place names of the Middle East before and after the discovery of Americas. Some examples from ancient maps. In the same Commission Toponymy chaired by Peter Jordan Riemer Reinsma presented a paper on prototypical peripheral toponym pairs expressing the concept 'all over the country' as a part of the mental map, Mohsen Dhieb and Younghoon Kim presented titles on when places change their names on maps. Cases study from the Arab world and Disappearance and survival of geographical place names in new address system in Cheongju, South Korea respectively. In the session of Commission Education and training Georg Gartner presented a paper on the triangle of competences as elementary part of modern cartographic education. In The Commission Ubiquitous mapping Georg Gartner also presented a paper about the function maps. In the Commission History of Cartography László Zentai presented a paper on Adventures of a world atlas – History of the publication of the Debes Atlas in Hungary. Imre Josef Demhardt chaired the Business meeting of the ICA Commission on History of Cartography. In the same Commission Imre Josef Demhardt presented a paper on mapping the Suez Canal: Cartographic

Heritage of a Nineteenth Century Engineering Behemoth and Elri Liebenberg presented a paper on David Livingstone's mapping of south-central Africa, 1849-1873.

Yaïves Ferland presented a poster on Back to the Feature! Direction, Distance, Disposition and Orientation in the Ontology of some Place Names.

These are some of the papers presented. A choice of them will be published in The Cartographical Journal, directed by Alexander Kent”.

## **2.6. United Nations Group of Experts on Geographical Names (UNGEGN)**

The 11<sup>th</sup> UN Conference on the Standardization of Geographical Names was held from 8 to 17 August 2017 in the Conference Room 3 of the United Nations in New York, NY 10017 USA. About 60 State Members of the United Nations gathered in 23 divisions that make up the UNGEGN according to a rough-and-ready linguistic rule were registered. In addition 8 representatives or observers (from IGU, ICANN, ICA, Names Society of Southern Africa, ESRI, Google, Universidad Nacional de Columbia, DGACM, The make Things Workshop, AISI-CIG, Wuhan University) were registered. This list was completed by 7 people of the United Nations Secretariat. The Conference begins with reflection on the past and future for the fiftieth anniversary of the United Nations Conference on the Standardization of Geographical Names. Some national and international meetings, conferences, symposiums, publicity and publications follow, with the report by the International Hydrographic Organization, the activities of the joint IGU/ICA Commission on Toponymy, the International Map Year 2015-2016 (submitted by Liaison Officer of ICA), Place names day and place names Bee in Latvia, The International Symposium on Application of Marine Geophysical Data and Undersea Feature Names, the International Seminar on Sea Names. Some national standardizations follow, with the description of administrative structure of national names authorities, legislation, policies and procedures. Toponymic guidelines for map editors and other editors. Geographical Names as culture, heritage and identity (including indigenous, minority and regional language names), Toponymic data files and gazetteers, Exonyms, Writing systems and pronunciation, Country names. Terminology in the standardization of geographical names. Toponymic education. Features beyond a single sovereignty and international cooperation. Arrangements for the twelfth Conference. Draft organization of work. During the Conference some special presentations (on UN-GGIM, A reflection of UNGEGN Capacity building programme and communication and publication activities, Title TBD, Geographical names standardization in Africa: challenges and constraints, New York City urban names, Positioning geospatial information to address global challenges, “Mapping our Seas, Oceans and Waterways – more important than ever”, “Field Names in the Tyrol (Austria), Collection, Standardization and cultural aspects”, “Location and Place Names in creating the Smart, Sustainable, and Resilient Communities of the Future”, Title TBD”, “Māori geographical naming in New Zealand, with emphasis on the Treaty of Waitangi”, SALB) were presented. The following panels were discussed: National Names Authorities, Geographical Names as Cultural Heritage, Making Geographical Names Data Accessible and Available, UN resolutions of exonyms: witnesses of the past or guidelines still observed? , Writing names in so-called non-written languages. Support of geographical names data files and gazetteers to UN-GGIM activities like the SDG's and 2030 Agenda. The plenary presentations were: Measures taken and proposed to implement United Nations resolutions on the standardization of geographical names, including the economic and social benefits, Reports on the work of the United Nations Group of Experts on Geographical Names, its divisions, working group and task team since the Tenth Conference, Reports by Governments on the situation in their countries and on the progress made in the standardization of geographical names in the standardization of geographical names since the Tenth Conference. During the lunch time some meetings were organized to set out particular problems. For the documents presented during the 30<sup>th</sup> Session of the United Nations Group of Experts on Geographical Names 7 & 18 August 2017, New York see:

<https://unstats.un.org/UNSD/geoinfo/UNGEGN/ungegnConf11.html>. Among the interesting discussions I would like to emphasize the following ones: 1) The Romanization of the geographical names ; 2) The standardization of geographical names, 3) The training in toponymy 4) The exonyms, 5) The cultural heritage, 6) The naming of indigenous people place names. But the most important issues are the Romanization of the geographical names , the training in toponymy and the exonyms, Peeter Päll presented a report which I enclose as well I enclose the program of Icute for the training in toponymy, while Peter Jordan has discussed many years about the exonyms. Peter Jordan also presented a report on our IGU-ICA Joint Commission on Toponymy.

## **2.7. The sixth EUGEO Congress**

The sixth EUGEO Congress has been held in Buxelles/Brussels in the prestigious Palace of the Academies from September 3<sup>rd</sup> to 6<sup>th</sup> articulated in 39 parallel sessions (78 sub-sessions, that included toponymy themes) and 6 plenary sessions. The participants, from all over Europe and more, were around 300. EUGEO is the Association of Geographical Societies in Europe. The aim of EUGEO is to represent its members at the European level and to coordinate and initiate joint activities of the members to advance research and education on the Geography of Europe and to promote the scientific discipline, the school subject and the professional practice of Geography in Europe. EUGEO Congresses are held every two years (Amsterdam, 2007; Bratislava, 2009; London, 2011; Rome, 2013; Budapest, 2015) and are characterized by a very open atmosphere and with a large participation of young researchers. Thanks to the excellent work of the organizers, the Brussels congress was also an opportunity to get to know the city better and to visit some of the areas that are less subject to tourist flows (eg a Molenbeeck walking tour and a city tour with trams). During the congress the General Assembly of the Organization met, which thanked the outgoing President Henk Ottens for his extraordinary work during his mandates. The Executive Committee, collecting what emerged unanimously at the meeting, elected Zoltan Kovacs as the new President. The Executive Committee also met a IGU delegation, setting to further strengthen cooperation between the two organizations. More info about the Congress and paper abstract can be found at the link: <https://eugeo2017.sciencesconf.org>; EUGEO website is [www.eugeo.eu](http://www.eugeo.eu)

## **3. Publications**

- PETER JORDAN, PAUL WOODMAN (eds.), *Place –Name Changes. Proceedings of the Symposion in Rome, 17-18 November 2014*. Verlag Dr. Kovač. Hamburg 2016
- JANA MOSER (Hrsg.), Forum ifL. Heft 30. IGU-UGI, ICA-ACI, Joint Commission Seminar on Historical Maps, Atlases and Toponymy. Leibniz-Institut für Länderkunde, 2016
- LUCIE MÖLLER (ed.) “*Nomina Africana. Journal of the Names Society of Southern Africa*”, 30(1) April 2016
- MIRELA ALTIC, IMORE JOSEPH DEMAHARDT, SOETKIN VERWUST (eds.), *Dissemination of Cartographic Knowledge, 6 th International Symposium of the Commission on the History of Cartography*, Springer, 2017
- RAIS AKTHAR, COSIMO PALAGIANO (eds.), *Climate Change ad Air Pollution. The Impact in Developed and Developing Countries*, Springer, 2017

## **4. Website:**

[www.igu-icatoponymy.org](http://www.igu-icatoponymy.org)



## **C16.36 Transport Geography**

### **1. Membership**

Membership of the IGU Transport and Geography Commission (T&GC) now totals 389 members from 47 countries. Membership include 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, and IGU Quebec City 2018 as well as Steering Committee members.

#### **1.1. Steering Committee 2016-2020**

The current IGU T&GC Steering Committee was elected at the International Geographical Congress (IGC) Meeting in Beijing in 2016 to serve until the next IGC Meeting in Istanbul in 2020.

Professor Richard Knowles (Chair)

University of Salford, Manchester

Greater Manchester M5 4WT, United Kingdom

Email [r.d.knowles@salford.ac.uk](mailto:r.d.knowles@salford.ac.uk) Phone: +44 (0) 1612954912

Dr. Frederic Dobruszkes (Secretary)

Universite Libre de Bruxelles, Brussels, Belgium

Email: [fdobrusz@ulb.ac.be](mailto:fdobrusz@ulb.ac.be)

Dr. Chia-Lin Chen, Xi'an Jiaotong (Vice Chair)

Liverpool University, Suzhou, China until

September 2018, then at University of Liverpool in London

Email: [chia-lin.chen@liverpool.ac.uk](mailto:chia-lin.chen@liverpool.ac.uk)

Professor Andrew Goetz (*Treasurer*)

University of Denver, Colorado, USA

E-mail [agoetz@du.edu](mailto:agoetz@du.edu)

Professor Tim Ryley

Griffith University, Queensland, Australia

E-mail [t.ryley@griffith.edu.au](mailto:t.ryley@griffith.edu.au)

Dr. Antonio Nelson Rodrigues da Silva

University of Sao Paulo, Brazil

E-mail [anelson@sc.usp.br](mailto:anelson@sc.usp.br)

Professor Claude Comtois

Universite de Montreal, Canada

E-mail [claudio.comtois@umontreal.ca](mailto:claudio.comtois@umontreal.ca)

Professor Albert Abane

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E-mail [abanealbert@gmail.com](mailto:abanealbert@gmail.com)

Dr. James Wang

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Professor Koichi Tanaka

Ibaraki University, Japan

E-mail [gis@mx.ibaraki.ac.jp](mailto:gis@mx.ibaraki.ac.jp)

Professor Markus Hesse

Universite de Luxembourg, Luxembourg

E-mail [markus.hesse@uni.lu](mailto:markus.hesse@uni.lu)

Dr. Ana Condeco-Melhorado

Universidad Complutense de Madrid, Spain

E-mail [amcondeco@gmail.com](mailto:amcondeco@gmail.com)

## 2. Meetings

IGU Regional Meeting, held jointly with the Canadian Association of Geographers Annual Conference, Quebec City, Canada: 6-10 August 2018

The Transport and Geography Commission convened a poster session and seven sessions of presentations on five themes on:

1. *Big data for mobilities studies: Applications and critical perspectives* (Convenor – Ana Condeco Melhorado: 1 session, 5 papers)
2. *Relationships between airline networks, distance and technological change* (Convenor – Frederic Dobruszkes 1 session, 4 papers)
3. *Effects of transport investment on regeneration and social inclusion* (Convenors – Richard Knowles and Chia-Lin Chen: 1 session, 4 papers)
4. *Impacts of High Speed Rail* (Convenors – Andrew Goetz and Chia-Lin Chen: 2 sessions, 9 papers)
5. *Open Sessions* (2 sessions, 7 papers)

### 2.1.Travel Awards

IGU Transport and Geography Commission Travel Awards of \$800 each were made to Daniel Mabazza (Philippines – developing country) and Carlos Hugo Soria Caceras (Spain – early in career).

### 2.2. Future meetings in 2019

A co-convened session on Cities and Networks has been agreed with the Transportation Geography Study Group of the American Association of Geographers (AAG-TGSG) and the IGU Urban Commission for the next AAG Conference in Washington DC in April 2019.

### 2.3.Future meetings in 2020

For the next (34<sup>th</sup>) International Geographical Congress (IGC) meeting in Istanbul, Turkey in August 2020, the Transport and Geography Commission are planning to convene sessions on at least four thematic topics and also organise a trans-Bosphorus multi-modal urban transport field trip in Istanbul.

## 3. Networking

The Commission liaises other transport research groups and other IGU Commissions including:

- the Transportation Geography Specialty Group (TGSG) of the American Association of Geographers
- the Hong Kong Society for Transportation Studies (HKSTS)
- the Transport Geography Research Group (TGRG) of the Royal Geographical Society (with the Institute of British Geographers)
- AK Verkehr (Germany)
- NECTAR (Network on European Communications and Transport Activity Research)
- 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 publication with many other geographers and transport researchers. 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 policies, processes and behaviours that influence the movement of people, goods and information. This research includes all modes of transport, at local, regional and global scales. Environmental, welfare and energy questions, and social, economic and governance dimensions are also addressed. Dissemination of the Commission's work includes books, research journal papers and journal Special Issues.

#### **4. Publications**

Knowles R.D. and Ferbrache F. (eds.) (in press 2019) *Transit Oriented Development and Sustainable Cities: economics, community and methods*. Edward Elgar Publishing: Cheltenham UK and Burlington VT, USA.

This peer-reviewed book is in press for publication in May 2019 and is based mainly on papers originally presented at co-convened sessions of the IGU Transport and Geography Commission and the Transport Geography Research Group of the Royal Geographical Society (RGS), at the RGS Conference in London, 1<sup>st</sup> September 2017.

Several papers presented at IGU Transport and Geography Commission Sessions in 2017 and 2018 have been submitted to journals for review and could be published in the near future.

#### **5. Archival Contributions**

Commission members are asked to submit to IGU Archives copies of published journal papers that were initially presented at IGU/IGC Conferences.

Knowles R.D. and Rozenblat C. (eds) (2016) *Sir Peter Hall- Pioneer in Regional Planning, Transport and Urban Geography*. Springer Briefs on Pioneers in Science and Practice, Volume 52, Springer Internal Publishing: Switzerland.

This seminal book was co-edited on behalf of the IGU Transport and Geography Commission and the IGU Urban Commission by their respective Chairs. Springer referenced the IGU on the cover of this book and included a full-page statement (p. 137) about the IGU with the approval of IGU Secretary General Professor Michael Meadows. Springer donated a copy to the IGU Archives.

# **C16.37 Urban Commission: Urban Challenges in a Complex World**

## **1. Membership**

### **1.1. Steering Committee**

Gender issues of the steering Committee: 5 women, 5 men + Chair (woman)

Prof. Céline Rozenblat (Chair)

University of Lausanne, Switzerland

[celine.rozenblat@unil.ch](mailto:celine.rozenblat@unil.ch)

Dr. Keisuke Matsui (Associated Chairs)

University of Tsukuba, Japan

[jjji@geoenv.tsukuba.ac.jp](mailto:jjji@geoenv.tsukuba.ac.jp)

Dr. Daniel O'Donoghue (Associated Chairs)

Canterbury Christ Church,

University, United Kingdom

[daniel.donoghue@canterbury.ac.uk](mailto:daniel.donoghue@canterbury.ac.uk)

Prof. Ludger Basten

TU Dortmund, Germany

[ludger.basten@tu-dortmund.de](mailto:ludger.basten@tu-dortmund.de)

Prof. Liliane Buccianti- Barakat

Université Saint-Joseph de, Beyrouth, Lebanon

[lbarakat@usj.edu.lb](mailto:lbarakat@usj.edu.lb)

Dr. Shenjing He

University of Hong-Kong

[sjhe@hku.hk](mailto:sjhe@hku.hk)

Dr. Lidia Mierzejewska

Adam Mickiewicz University, Poland

[mierzeja@amu.edu.pl](mailto:mierzeja@amu.edu.pl)

Dr Niamh Moore  
University College Dublin, Ireland  
Niamh.Moore@ucd.ie

Prof. Petros Petsimeris  
University Paris 1, France  
petros.petsimeris@wanadoo.fr

Dr. Maria Jose Pineira- Mantinan  
University of Santiago de Compostella, Spain  
mariajose.pineira@usc.es

Prof. Ivan Townshend  
University of Lethbridge, Canada  
towni0@uleth.ca

## 1.2 Members

The status of member requires the person to have attended at least 2 of the last 6 commission's meetings. The membership list is updated every 4 years in order to elect the next commission's project. The update of 2015 reveals an increase of people attending regularly: 64 people came at least twice since 2010 (see the table below).

	Number of persons by attendances					
	2	3	4	5	6	Total
BRASIL	3	1				4
CANADA			2	1		3
CHINA	2	1				3
CZECH REPUBLIC	1					1
DENMARK		1				1
FRANCE				1		1
GERMANY	1	2		1		4
INDIA	1					1

IRELAND	1		1			2
ISRAEL	1	1				2
JAPAN	2	3	2			7
LEBANON				1		1
LUXEMBOURG		1				1
MEXICO	1	1	1			3
POLAND	3		1	1		5
SOUTH AFRICA	8	2	2	1		13
SPAIN	6		1		2	9
SWITZERLAND	1				1	2
UNITED KINGDOM					1	1
<b>TOTAL</b>	<b>31</b>	<b>13</b>	<b>10</b>	<b>6</b>	<b>4</b>	<b>64</b>

The table identifies this group of 64 people among which 33 attended three times or more, 20 attended four times or more. They constitute the core of the Urban commission. The 64 members come from 19 countries and contribute and participate very actively to its debates. In total, 265 different people attended our own meetings between 2010 and 2015 at least once, coming from a total of 44 different countries (not counting each person several times).

### 1.3. Commission mailing list

The commission mailing list ([iguurban@unil.ch](mailto:iguurban@unil.ch)) counts **950 subscribers** (30<sup>th</sup> November 2018). It is not possible to obtain their location by country as far as many of them have international email addresses.

### 1.4. Young scholar support

Until 2018 we organized a Young scholar competition that had a moderate success. We had some great applications until 2017 (Salvador de Bahia), but in Montreal in 2018 the applications were less numerous and not of the quality we expected.

So we decided during the Montreal meeting to change the kind of support. For 2019, The Commission provides grants to help defray the costs of young participation to the Conference. Please note that, due to limited availability of funds, the IGU Travel Grants will provide only the contribution to registration. In selecting applicants to receive awards, preference will be given to young or emerging scholars, in particular to those from developing countries.

## 2. Meetings

Since 2016, we introduced a new procedure asking for extended abstracts (3 to 5 pages) and the steering committee together with the young scholar committee and local colleagues evaluate them with

2 reviewers for each paper. The result is highly appreciated, improving the quality of papers. We will continue to improve this procedure over the coming years.

## **2.1 Salvador de Bahia- Urban commission meeting 2017 – 6th to 13th August 2017**

Co-organized with the

- Department of Geography – Geoscience Institute of the University Federal of Salvador de Bahia (Brazil),
- Department of Geography, University of Santiago de Compostella (Spain)
- Institute of Geography and Sustainability, Geoscience and Environment Faculty, University of Lausanne

## **2.2. Moscow Thematic IGU Meeting – 4<sup>th</sup> to 6<sup>th</sup> June 2018**

Local host: Russian Academy of science

Organization of 7 sessions (35 papers)

## **2.3. Quebec Regional IGU Meeting – 6<sup>th</sup> to 10<sup>th</sup> August 2018**

Local host: University Laval

Commission sessions (11 thematics) co-organized with the CAG Urban Group

Organization of 15 sessions (62 papers)

## **2.4 Urban excursion from Quebec to Montreal – August 11<sup>th</sup> 2018**

Organized by the commission in collaboration with Etienne Berthold, Laval University: 25 people

## **2.5. Montreal IGU Urban Commission Meeting – 12<sup>th</sup> to 17<sup>th</sup> August 2018**

Local Host: INRS - Centre Urbanisation Culture Société – VRM Team

Keynote: Mario Polese: “Why Cities fail, and why the roots of urban failure are rarely local?”

Special thematic: Key factors for urban growth and decline

## **2.6. Future Meetings**

- 2019 - Luxemburg IGU Urban Commission Meeting – 4th to 10th August Local Host: University of Luxemburg  
Special thematic: The urban geographies of the new economy, services industries and financial market places
- 2019 –AAG – Washington DC – 3rd to 7th April 2019  
4 sessions on “Cities and Networks”
- 2019 –ICC – Tokyo – 19th July 2019  
Call for abstract in progress for a one day session “T32 Mapping Cities”
- 2020 –IGC Istanbul – 17th to 21th August 2020
- 2020 –Beirut IGU Urban Commission Meeting – 23rd to 30th August 2020 Local Host: Saint Joseph University.



### **3. Networking**

2018 - Publication with Habitat in the IGU SPRINGER series

Rozenblat C., Pumain D., Velasquez E.: International and Transnational perspective of Urbansystems, IGU Springer Series: ADVANCES IN GEOGRAPHICAL AND ENVIRONMENTAL SCIENCES. Preface by Elkin Velasquez, director UN-Habitat Latin America

2018 - Quebec Regional IGU Meeting:

One joined session with C16.20 Commission on Health and Environment

Supported by the International Science Council (ISC) commission "Urban Health and Well Being: a system approach"

2021 – Preparation of an IGU Thematic conference – Mexico

Local Host: UNAM- Institute of geography and University Program of Studies on the City (PUEC)

Principal organizer: C16-37 Urban commission Urban Challenges in a complex world

Co-organized with the following commissions:

- C16-12: commission on governance
- C16-15: commission on geo-heritage
- C16-27: commission on Latin American studies

Contacts in progress with:

- C16-14: commission on tourism, leisure and global change
- C16-37: commission on population geography

### **4. Publications**

2018: Rozenblat C., Pumain D., Velasquez E.: International and Transnational perspective of Urban systems, IGU Springer Series: ADVANCES IN GEOGRAPHICAL AND ENVIRONMENTAL SCIENCES. Preface by Elkin Velasquez, director UN-Habitat Latin America

2017: Proceedings of the IGU Urban Commission Annual Meeting 2017 University Federal of Salvador de Bahia

Digital Cities and Spatial justice

Editors: Antonio Angelo Martins Da Fonseca, Antonio Puentes, Brais Estevez Vilarino

### **5. Archival Contributions**

The commission's WEBSITE archives publications from 1984:

<http://www.unil.ch/igu-urban/home/menuinst/publications/igu-urban-commission.html>

Publication and archives of the news on the website homepage:

- World conferences on urban topics
- Positions
- New books

<http://www.unil.ch/igu-urban>

the “IGU Urban Commission” FACEBOOK Group:

<https://www.facebook.com/groups/274054405156/>

## C16.38 Water Sustainability

### 1. Membership

#### 1.1. Structure of Steering Committee

Over the reporting period Prof. Olga Scarpati announced her retirement from active academic research. The current composition of the SC is reflected in the following table:

Function	Name	Country, gender	SC since	Max. to	Institution	Portfolio
Chair	Prof. Dr. habil. Frank Winde	South Africa, male	2012	2024	North-West University, Vaal Triangle Campus, Vanderbijlpark, Geography and Environmental Studies, PO Box 1174, Vanderbijlpark, 1900; Tel. +27 724059561, +49 17696001533, Skype: frank.winde, <a href="mailto:frank.winde@nwu.ac.za">frank.winde@nwu.ac.za</a>	Management and admin, Membership/recruitment, website/public visibility
Vize chair	Prof. Dr. Natalia Frolova	Russia, female	2012	2020	Lomonossov State University, Moscow, Department of Hydrology, Faculty of Geography, GSP-1, 119991, Leninskie Gory, MSU. Phone: +7 (495) 939-15-33 <a href="mailto:frolova_nl@mail.ru">frolova_nl@mail.ru</a>	Meetings + archiving
Vice-Chair	Prof. Dr. Chan-sheng He	USA, Male	2012	2020	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 <a href="mailto:chansheng.he@wmich.edu">chansheng.he@wmich.edu</a>	Publications + reporting
Member	Dr. Ivan Canjevac	Croatia, male	2012	2020	University of Zagreb, Faculty of Science, Department of Geography, Marulicev trg 19/II, 10000 Zagreb, Croatia, <a href="mailto:canjevac@geog.pmf.hr">canjevac@geog.pmf.hr</a> , Tel. 0038514895424, Fax 0038514895440, Skype name: naumovac <a href="mailto:canjevac@geog.pmf.hr">canjevac@geog.pmf.hr</a>	Collaboration + outreach
Member	Dr. Daniel Karthe	Mongolia, male	2016	2024	German-Mongolian University, Mongolia,	Membership + recruitment

					<a href="mailto:daniel.karthe@ufz.de">daniel.karthe@ufz.de</a>	
Member	Prof. Dr. Liliana Zaharia	Romania, female	2016	2024	University of Bucharest, Faculty of Geography 1 Nicolae Balcescu Blv., 010041, Bucharest, Romania, Tel: + 40-21-305 38 22, Fax: + 40-21-315 30 74, <a href="mailto:zaharialil@yahoo.com">zaharialil@yahoo.com</a> ; <a href="mailto:zaharialili@hotmail.com">zaharialili@hotmail.com</a>	Proposed: Meetings + archiving
Member	Prof. Dr. Lanhui Zhang	China, female	2016	2024	Lanzhou University, College of Earth Environmental Sciences, Guanyun Building 0912, TianshuiNan Road 222, Lanzhou City, zip code : 730000, Gansu Province, China, Tel/Fax:010 931 8912805 <a href="mailto:lhzhang@lzu.edu.cn">lhzhang@lzu.edu.cn</a>	Proposed: Publications + reporting
Member	Dr Julia Hall	Austria, female	2017	2025	Vienna University of Technology, Institute of Hydraulic Engineering and Water Resources Management, Austria, Tel. 4315880122322, 1040 Vienna, Karlsplatz 13/222-2 <a href="mailto:hall@hydro.tuwien.ac.at">hall@hydro.tuwien.ac.at</a>	Collaborat ion + outreach
Member	Prof. emer. JAA (Tony) Jones	UK, male	2002	open ended	Institute of Geography and Earth Sciences, University of Wales, Aberystwyth. <a href="mailto:tonyandjenjones@btinternet.com">tonyandjenjones@btinternet.com</a>	honorary SC- member

## 1.2. Member statistics

The Commission managed to grow in terms of active members who submitted a filled-in research profile template to 51 (34 male, 17 female) adding four countries (Australia, Turkey, Zimbabwe and Swaziland) to the 18 already represented at the Commission. We are welcoming the following colleagues (in chronological order of joining):

- Prof. Y Xu, University of the Western Cape, South Africa
- Mr. F Donkor, WITS University, South Africa
- Dr. VS Yavuz, Siirt University, Turkey
- Mr. I Overton, Water Research Limited, Australia

- Prof. W Choi, University of Wisconsin, USA
- Prof. H Beckedahl, University of Swaziland, Swaziland
- Dr. K Winmore, Midlands State University, Zimbabwe
- Dr. T Marambanyika, Midland State University, Zimbabwe

## 2. Meetings

### 2.1. 2018 IGU Regional Conference, Quebec City, Canada (6-10 August)

The annual meeting of the Commission was held as part of the IGU Regional Conference in Quebec City at which a total of 19 papers were presented in the following sessions:

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the Chair an IGU travel grant was provided to prof. L. Zaharia and a partially funded volunteer position for her PhD student Ms. G. Morosanu.

Responding to a request for feedback the chair addressed a number of concerns members voiced regarding the organisation of the event by a professional company in an email to prof. Guy-Dorion of the LOC (for details see Newsletter no. 18 at [www.igu-water.org](http://www.igu-water.org)).

The Commission also held its annual business meeting. Among other possible follow-up publications from the conference were discussed and, following the offer by prof. Zaharia, Bucharest (Romania) as the venue for the next annual meeting agreed upon.

The general consensus among Commission members was that the sessions were interesting and successful in stimulating multidisciplinary and cross-country collaboration among members.

Supported by endorsement letters from



Frolova and M. Bolgov and attended



*Concluding the conference in the foyer of the International Conference Centre*

*(from left: Gabriela Morosanu, Frank Winde, Natalia Frolova, Ivan Čanjevac, Liliana Zaharia, Danijel Orešić, Chansheng He, Daniel Karthe)*

by a number of Commission members:

1. Water resources in the conditions of climate change
2. Water management : modern principles, methods, results
3. Water pollution and health impacts
4. Extreme hydrological events

## **2.2. IGU Thematic Conference, Moscow, June 2018**

Following an initiative of prof. W. Kollossov the IGU Thematic Conference: Practical Geography and XXI Century Challenges was held in in Moscow, 4–6 June 2018 supported by the Commission. The conference was dedicated to the 100<sup>th</sup> anniversary of the foundation of the Institute of Geography of the Russian Academy of Sciences (IGRAS) as largest geographical research organisation in Russia and attracted 750 participants representing 36 countries. As part of one of the eight themes of the conference (Theme 2: Environmental Challenges) our Commission held the following sessions headed by proffs. N.

## **2.3. Joint Leopoldina-ASSAf Conference on sustainable use of abandoned mines (28-30 Nov. 2017), Johannesburg, South Africa**

The South African members of the Commission together with the National Academy of Science Leopoldina (Germany) and the Academy of Science of South Africa (ASSAf) jointly organised an international conference on the sustainable use of abandoned mines in the SADC region, where water and its protection from mining-related pollution played a key role. Having attracted some 100 hand-picked participants a key topic was the conversion of underground mines into pumped hydro storage schemes for the first time bringing together five research teams from four different

countries where this innovative concept is currently explored. The conference statement and report can be found at: doi <http://dx.doi.org/10.17159/assaf.2018/0025>.

#### **2.4. Intern. Symposium: Sustainable Urban Renewal, Chongqing (China), 12 June 2018**

As newly appointed member of the Commission the Director of the China-Africa Water Institute, Prof. Yongxin Xu, together with the University of Chongqing and the China-Africa Water Institute approached our Commission to jointly organise an international symposium on sustainable urban renewal that was hosted by T.Y. Lin International Engineering Consulting (China) Co. Ltd., in Chongqing (China) on 12 June 2018. Aspect relating to water sustainability included urban waste water management, mine water management, and water quality aspects in cities.

#### **2.5. Meetings planned**

##### **2.5.1. Annual Commission Meeting 2019, Bucharest (Romania)**

Following the offer of Prof. Zaharia to host next year's annual Commission meeting at the University of Bucharest members present at the Quebec business meeting unanimously agreed to hold the 2019 meeting in Romania. The exact dates, times and venues will be determined in collaboration with the host university and be communicated to members together with the call for abstracts in due course.

##### **2.5.2. IGU Congress 2020, Istanbul (Turkey)**

Responding to a request by the Chair Dr. Yavuz, as newly joined member from Turkey, indicated his active support of the Commission in preparation for the 2020 IGU Congress in Istanbul (Turkey).

### **3. Networking**

#### **3.1. Collaboration within the Commission and with other IGU Commissions and Task Forces**

##### **3.1.1. Hydrological glossary**

Following a proposal by Gabriela Morosanu (Romania) the idea of the Commission contributing to a hydrological glossary was launched and enthusiastically discussed among member via email correspondence. Latching on to the original initiative by the Hydrology Group of the Scientific Committee of EGEA (European Association of Geography Students) to create a wiki platform- based glossary several members forwarded existing glossaries as well as links to multilingual online versions. The idea is generally supported while members are aware that duplication should be avoided. On the Commission's website two published glossaries are available in pdf also providing a link to the multilingual online glossary mentioned above.

##### **3.1.2. Joint book project**

Following the chair's request for responses to a proposed book project (a Springer template was sent out as an example) a lively discussion pursued in response to Prof. D. Karthe proposing to explore the viability of a dedicated volume on 'Hydrogeography and Water Sustainability' as a seemingly

underrepresented topic in current hydrological and geographical literature. The discussion is still ongoing with many members having expressed keen interest to contribute. The discussion mainly revolves around scope and target audiences as well as style and contents of a possible joint book produced by the Commission aiming to fill a gap rather than competing with existing works.

### **3.2. Collaboration with other IGU Commissions and Task Forces**

For this period no related activities are to be reported.

### **3.3. Collaboration with other international or inter- and multidisciplinary groups**

A joint proposal of South African members of the Commission to UNESCO-IGCP was submitted together with scientists from six other African countries aiming to investigate environmental and health effects of abandoned mines in Africa.

A joint symposium with the China-Africa Water Institute was held in Chongqing (China) (see above mentioned conference).

### **3.4. Cooperative efforts with ISC and CIPHS**

The document outlining the vision of the newly formed International Science Council (ISC) was distributed and contents noted. A call for contributing to reviewing proposals was answered by the chair and distributed.

## **4. Publications**

### **4.1. Newsletter and reports**

- Newsletter no. 18 has been circulated in September 2017 and can also be found at the Commission's website ([www.igu-water.org](http://www.igu-water.org)).

- The quadrennial report on activities of the Commission was published in last year: Winde F (2017): Water Sustainability. Quadrennial report of the Commission for Water Sustainability 2012-2016. International Geographical Union Bulletin, 65-66 (2015-2016), 344-353

- In addition the chair compiled the earlier mentioned feedback report to the LOC of the Quebec Conference as well as the 2017 Annual Report to IGU Ex-Co.

### **4.2. Special issues, books**

A special edition edited by Chansheng He and Frank Winde for the journal Ecosystem Health and Sustainability (EHS) entitled: Water Sustainability and Watershed Ecosystem Health was completed in 2018:

He C, Winde F (2018): Water Sustainability and Watershed Ecosystem Health. Ecosystem Health and Sustainability, 4 (10), 241-242, ISSN: 2096-4129 (print), 2332-8878 (online), DOI 10.1080/20964129.2018.1538666, <https://doi.org/10.1080/20964129.2018.1538666>

### **4.3. Joint papers**

In this section papers are listed which

resulted from joint efforts of two or more members of the Commission or were flowing from collaborative projects in which two or more members of the Commission participated. Names of members of the Commission are in red and underlined.

Kaiser F, Winde F, Erasmus E (2018): Storing energy in disused mines: comparing pumped water and compressed air-based technologies. *International Journal of Mining and Mineral Engineering*, vol. 9, no. 3, 177-195

Vasilchuk Y, Frolova N, Kasimov N, Winde F, Budantseva N, Chizhova J, Efimova L, Krasnova E, Terskaya E, Tokarev I, Vasilchuk A (2018): Isotope stratification of meromictic Lake Terkhtzvetnoe at the White Sea coast (Russia). *International Journal of Limnology*, 54 (23), 9 pages, <https://doi.org/10.1051/limn/2018012>

Zaharia, L, Ioana-Toroimac, G, Morosanu, G, Galie, A, Moldoveanu, M, Čanjevac, I, Belleudy, P, Plantak, M, Buzjak, N, Bočić, N, Legout, C, Bigot, S, Ciobotaru, N (2018): Review of national methodologies for rivers' hydromorphological assessment: A comparative approach in France, Romania, and Croatia. *Journal of environmental management*, 217 (1), 735-746.

Čanjevac, I, Orešić, D (2018): Changes in discharge regimes of rivers in Croatia. *Acta Geographica Slovenica*, 58 (2), 7-18.

Orešić, D, Čanjevac, I, Maradin, M (2017): Changes in discharge regimes in the middle course of the Sava River in the 1931-2011 period. *Prace Geograficzne* 151, 93-119

Joint paper with the German

Geographer's working group on Hydrology:

Karthe, D.; Chiffard, P.; Cyffka, B.; Menzel, L.; Nacken, H.; Raeder, U.; Sommerhäuser, M. & Weiler, M. (2017): Water research in Germany: from the reconstruction of the Roman Rhine to a risk assessment for aquatic neophytes. *Environmental Earth Sciences* 76:549

## 5. Archival contributions

A section on the Commission's website is now dedicated to archive news. Progress was also made in retrieving information regarding past conferences as a means to record and track the historical development of the Commission ([www.igu-water.org](http://www.igu-water.org)).

## 6. Website

Efforts to improve the appearance, attractiveness and contents of the website continued resulting in an extensive overhaul of the design, the addition of significant historical material pertaining to past activities of the Commission and significantly shortened updating intervals. It is believed that the increased attractiveness of the website is reflected by the various unsolicited request for membership. The Commission received over the past year ([www.igu-water-org](http://www.igu-water-org)).

## **C16.39 Agricultural Geography and Land Engineering**

### **1. Membership**

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

Yansui Liu,  
Chair,  
Professor  
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

Brigitte Nougaredes  
Vice chair  
Professor  
French National Institute for Agricultural  
Research (INRA), France

Yuheng Li  
Secretary,  
Associate Professor,  
Institute of Geographic Sciences and  
Natural Resources Research  
Chinese Academy of Sciences, China

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,  
USA

Rajendra P. Shrestha  
Professor  
School of Environment Resources and  
Development  
Asian Institute of Technology (AIT),  
Thailand

Habibullah Magsi  
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Economics  
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Pakistan  
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## 2. Meetings

a. The Second International Conference of the International Geographical Union (IGU) Commission on Agricultural Geography and Land Engineering (AGLE) was held in Jönköping, Sweden, October 17-19, 2018. Scholars from Sweden, China, France, Holland, UK and Australia gathered and shared with their studies in the fields of sustainable rural development and land use.

The conference “Policy, research and development trends for rural revitalization in a Post-Rural World” aims at analyzing rural development trends and investigate the relationship between rural transformation and land use with a critical assessment of current rural policies.

During the conference, the executive committee meeting of the IGU-AGLE commission was also held to discuss the commission activities in the future. The newly elected vice president of IGU, Prof. Bojie Fu joined the meeting and gave advices to the committee members to pursue a better commission development.

b. The Commission is investigating the possibility of organizing the third IGU-AGLE conference in October 2019 in Indonesia. The conference theme may focus on aspects of agricultural, rural and land sustainability under global changes.

## 3. Networking

a. The IGU-AGLE executive members Yansui Liu, Hans Westlund and Yuheng Li attended the 2018 IGU Regional Conference, Quebec City, Canada, 5-11 August, 2018.

b. The IGU-AGLE executive member Guy Robinson attended the conference on Rural Development, Santiago de Compostela, July 2018 organized by commission on Sustainable Rural Systems, International Geographical Union.

## 4. Publications

a. The IGU-AGLE executive members Yansui Liu and Yuheng Li organized a special issue at *Land Use Policy* with the theme of "Land use and rural sustainability in China". 2018 May, Volume 74: 1-308, ISSN 0264-8377

This special issue is produced for the International Conference on Land Use and Rural Sustainability, 17-20 August, Xi'an, China

- b. G.M. Robinson and B. Song, ‘Transforming the peri-urban fringe in China: The example of Xi’an-Xianyang’, *Sustainability*, 10, 3932; doi:10.3390/su10113932.
- G.M. Robinson, ‘New frontiers in agricultural geography: transformations, food security, land grabs and climate change’, *Boletín de la Asociación de Geógrafos Españoles*, 78, 1-48. doi: 10.21138/bage.2710.
  - Song and G.M. Robinson, ‘Multifunctional agricultural transformations and the urban market: Contrasting examples in Shaanxi Province (China)’, pp. 529-535 in V. Paul Carrill, R.C.L.

Gonzalez, J.M. Trillo Santamaria and F. Haslam McKenzie (eds), *Infinite rural systems in a finite planet: Bridging gaps towards sustainability* (Universidad de Santiago de Compostela Publications, Santiago de Compostela, Spain).

- G.M. Robinson, 'Agricultural Geography', *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology* (John Wiley & Sons, Association of American Geographers, Washington DC), DOI: 10.1002/9781118786352.wbieg0590.
- Arunyawat, S. and R.P. Shrestha, 2018. Simulating future land use and ecosystem services in Northern Thailand, *Journal of Land Use Science*, 13:(1-2) 145-165.
- Shrestha, R.P., Raut, N., L.M.M. Swe, T. Tieng, 2018. Climate Adaptive Strategies in Agriculture: Cases from Southeast Asia, *Sustainable Agriculture Research*, 3(7)39-51.
- Haq, R.U., Eiam-Ampai, K., Ngoprasert, D., Sasaki, N., Shrestha, R.P. 2018. Changing landscapes and declining populations of Water birds: A twelve-year study in Bung Boraphet Wetland, Thailand. *Tropical Conservation Science* 11:(1-17) DOI: 10.1177/1940082917750839.
- Pickee, Y., Shrestha, R.P., Yeshey, Schmidt-Vogt, D. and Qasim, S. 2018. A comparative assessment of land management approaches in Bhutan, *International Journal of Sustainable Development and World Ecology* <https://doi.org/10.1080/13>

504509.2017.1355340

- Peerzado, M.B., Magsi, H. and Sheikh, M.J. 2018. Land use conflicts and urban sprawl: conversion of agriculture lands into urbanization in Hyderabad, Pakistan. *Journal of the Saudi Society of Agricultural Sciences*, 17(2): in press.

## 5. Archival Contributions

The IGU-AGLE commission contributes one piece of news to the IGU website.

1. The second IGU-AGLE commission conference held in Sweden

<https://igu-online.org/the-second-igu-agle-commission-conference-held-in-sweden/>

## C16.40 African Studies

### 1. Membership

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

#### 1.1. Steering Committee

Dr. Inocent Moyo (Chairperson)  
Department of Geography and  
Environmental Studies  
University of Zululand  
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Dr. Christopher Changwe Nshimbi  
(Secretary)  
DST-NRF RCA Research Fellow &  
Deputy Director: Centre for the  
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Dr Alain François LOUKOU (Deputy  
Chairperson)  
Enseignant - Chercheur, Géographie des  
TIC / Lecturer, Geography of ICT  
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Prof. Kenneth Matengu (Deputy  
Secretary), Pro-Vice Chancellor: Research,  
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 5FB.Email: [gex037@coventry.ac.uk](mailto:gex037@coventry.ac.uk)

## 2. Meetings

### 2.1. IGU COMMISSION ON AFRICAN STUDIES INAUGURAL CONFERENCE, 17-18 MAY 2018, UNIVERSITY OF NAMIBIA, NAMIBIA

The IGU Commission on African Studies held its inaugural conference on 17-18 May 2018 at the University of Namibia, Namibia. The conference, whose theme was: *What is Africa's response on global challenges: Understanding drivers of poverty and reducing inequality?* was a huge success and it attracted well over 60 paper presentations as well as posters and panel discussions. The conference began with an address by Professor Kenneth Matengu, Pro-Vice Chancellor: Research,

Innovation and Development, University of Namibia. This was followed by an introduction of the Commission by Dr Innocent Moyo (Chair: IGU Commission on African Studies). The major highlight of the conference was when the Minister: Higher Education, Training and, Innovation, Hon. Dr Itah Kandjii-Murangi, launched the Commission, much to the delight of the participants who were drawn from all regions of Africa and beyond such as Germany, Finland, USA and UK. The parallel presentations were lively and were constituted of papers from the natural and social sciences, which actually emphasised the nature and scope of Geography as an academic discipline.

### 2.2. The IGU CAS will hold its annual meeting in 2019 as follows:

University of Zululand

Date: 17-21 June 2019

Venue: University of Zululand

Date: *Africa in the global imaginary: Towards internationally competitive science and research.*

Expected number of participants: 500

## 3. Fundraising

Through the Chairperson, the IGU Commission on African Studies managed to secure funding for the 2019 Annual Meeting in the amount of US\$ 44 322.62 (R500 000) from the National Research Foundation, Republic of South Africa. This means that, the 2019 meeting of the IGU Commission on African Studies, will be funded by the NRF.

## 4. Networking

The IGU-CAS has established a collaboration with the IGU Commission Geography of Governance. In addition, the IGU-CAS has established a collaborative relationship with the Human Sciences Research Council (HSRC), through the Africa Institute of South Africa (AISA), represented by Dr Claudius Chikozho.

## 5. Publications

There are currently no publications that are linked to the activities of the IGU-CAS, but it is expected that in future there will be more publications.

## 6. Website

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

# **C17.01 Geography for Future Earth: Coupled Human- Earth Systems for Sustainability**

The report includes membership, meetings, publications, and other important information for IGU Commission on *Geography for Future Earth: Coupled Human-Earth Systems for*

*Sustainability* (IGU-GFE).

## 1. Membership

### 1.1. Members

IGU Commission on *Geography of Future Earth: Coupled Human Earth Systems for Sustainability* (IGU-GFE) has been formally established in October 2017. IGU-GFE will initially focus on human-land systems and its interfaces with the coast, the ocean and the atmosphere. It aims to promote 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 will provide a platform for communication among geographers globally with the aim of promoting research and innovation in relation to sustainability. The steering committee structure of IGU-GFE is as follows.

Dr. Prof. Bojie Fu (Chair)

Dean and Distinguished Professor of  
Faculty of Geographical Science, Beijing  
Normal University.

Distinguished Professor of Research  
Center for Eco-Environmental Sciences,  
Chinese Academy of Sciences

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Dian District, Beijing 100875, P. R. China

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Dr. Prof. Mark Stafford Smith (Vice-  
Chair)

Chief Coordinating Scientist in Institute of Land and Water, CSIRO, Australia; Chair of Science Committee, Future Earth

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Dr. Prof. Wenwu Zhao (Secretary)

Professor and Dean at  
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Dr. Prof. Hanqin Tian

Director of International Center for Climate and Global Change Research; Solon and Martha Dixon Professor at Auburn University.

Address: SFWS Building, 602 Duncan Drive Auburn, AL 36849-5418, USA

E-mail: tianhan@auburn.edu; Phone: +1 334 8441059

Dr. Prof. Peter Verburg

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Faculty of Science

VU University Amsterdam, Netherlands

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Dr. Prof. Soroosh Sorooshian

Director of Center for Hydrometeorology and Remote Sensing;

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Dr. Prof. Sandra S. Luque

Director of Research at IRSTEA, National Research Institute of Science and Technology for Environment and Agriculture

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Dr. Prof. Toshiya Okuro

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Dr. Prof. Dra. Nicole Bernex

Professor Principal at Department of  
Humanities - Geography Section,  
Pontifical Catholic University of Peru

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Dr. Walter Musakwa

Department of Town & Regional Planning  
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## 2. Meetings

### 2.1. 1st Workshop on Coupled Human-Earth System Solutions for Global Sustainability

IGU-GFE was formally established in October 2017. As a new commission, IGU-GFE did not organize some meetings at the end of 2017. While, some steering committee members (Prof Hanqin Tian and Prof. Bojie Fu) co-organized 1st CHESS Workshop on Coupled Human-Earth System Solutions for Global Sustainability on August 13-14, 2017. This workshop was held in Auburn University, USA. More than 40 scientists from USA, China and Indian attended this

workshop. The chair of IGU-GFE Commission, Prof. Bojie Fu, delivered a keynote speech on Ecosystem services in the changing landscape. Besides, the oral speeches were focusing on providing effective solutions to the most pressing global and regional environmental challenges such as climate change, land use, water quality, soil loss, and poverty via coupled Climate-Human-Earth System pathways and modelling. During the workshop, the scientists agree that it is so important to establish a new commission on Coupled Human Earth Systems for Sustainability. The workshop unveiled the preface of the establishment of the IGU-GFE.

### 2.2. 2018 IGU Regional Conference

The **2018 IGU Regional Conference** was held in the Québec City from August 6 to 10, 2018, and IGU-GFE Commission organized the session “Coupled Human-Earth Systems for Sustainability”. Themes of the session include: Fundamentals of Geography for Future Earth, and especially new theories and hypothesis on coupled human-earth systems for sustainability; Open and inclusive platforms for Geospatial Big Data and observations of coupled human-earth systems; Integrated Earth system models to deepen our understanding of complex Earth systems and human dynamics across different scales; Linkages and dynamics among ecological process, services, and human wellbeing; Human Contributions and Responses to global climate/environmental changes and sustainability; Evaluation tools for sustainable development, multi-scale sustainability evaluation, and sustainable scenarios for transformative development pathways.

About 17 researchers from different countries got together to have thoughtful

discussions about Human-Earth Coupling as well as effects caused by environmental changes. During the session, IGU-GFE steering committee members, who attended the conference, discussed the commission activities and report.

### **2.3. International Workshop of the Global Dryland Ecosystem Programme**

The **International Workshop of the Global Dryland Ecosystem Programme** (Global-DEP) was successfully held on 21-22 October, 2018, in Beijing. The workshop was co-chaired by Prof. FU Bojie (Vice Presidents of IGU) and Prof. Mark Stafford Smith (Vice-Chair of IGU-GFE). More than 30 experts and 90 graduate students joined this workshop.

Prof. Bojie Fu and Dr. Mark Stafford Smith, as co-chairs of Global-DEP Interim Scientific Committee, each delivered keynote presentations that elaborated the aims, main tasks, and implementation framework of Global-DEP and discussed how to enhance dryland ecosystem management from the perspective of Future Earth. In a series of thematic presentations, seventeen speakers from China, the US, Australia, Greece, Senegal, Japan, and Switzerland shared their progress, important results and experiences in drylands research. The presentations considered a range of issues, including ecosystem dynamics and driving mechanisms, ecosystem structure and functions, ecosystem services and human well-being, and ecosystem management and sustainable livelihoods in global drylands. These presentations led to a spirited discussion among the participants concerning the importance of ecosystem

management, the complexity of social and ecological systems, and the challenges that must be addressed to achieve sustainable development goals in dryland regions.

The establishment of Global-DEP, proposed by Prof. FU Bojie and Prof. Mark Stafford Smith, was formally approved as a key international cooperation project by the International Cooperation Bureau of CAS in August, 2017. Its scientific goal is to **provide a platform for global research collaboration on dryland ecosystems** and its Science Plan defines key scientific issues and priority areas for future research.

### **2.4. The International Workshop on the Human-Earth System Dynamics and Modeling**

The **International Workshop on the Human-Earth System Dynamics and Modeling** held on 22-23 October 2018 in Beijing is organized and sponsored by Beijing Normal University (BNU) and IGU-GFE commission.

The workshop aims to bring scientists around the world to share their achievements and explore future research directions through in-depth discussion on the current status of the Human-Earth System studies. The workshop focused on the following topical areas: Earth Surface System Modeling and Land-Use/Land-Cover Change (LUCC); Dynamics of Human Activity-Earth System Interactions; Bi-directional Coupling of Earth System Models and Socio-economic Models; Linkages and Dynamics among Ecological Processes, Services, and Human Well-being, and Coupled Human-

Earth System processes at multiple scales  
There were 17 invited speakers from worldwide attended this workshop. As the organizer of this workshop, scholars from Beijing Normal University introduced research advances in Human-Earth System Dynamics and reiterated goals of this workshop. Scientists from USA, UK and Germany also shared their understanding about interactions between the human system and earth system, compared different approaches (one-way coupling, two-way coupling) with CHESM Modeling, discussed the strengths and weaknesses of existing CHESMs and explored methods of balancing the complexity of CHESM models and the requirements for solving the real world problems while meeting the societal needs.

## 2.5. Upcoming Meetings in 2019

**International Symposium on Africa sustainable development in 2019.**

**The 10th IALE world congress in Milan (ITALY) on 2019, July 1-5.**

**100 anniversary the establishment of American Geophysical Union**

## 3. Publication

### 3.1 Special issue on System dynamics and sustainability

- In order to serve for the sustainability research, Professor Bojie Fu organized a special issue on *System dynamics and sustainability* in “Current Opinion in Environmental Sustainability” in 2018. More than 20 papers have been published in this issue (<https://www.sciencedirect.com/jou>

[rnal/current-opinion-in-environmental-sustainability/vol/33/suppl/C](https://www.sciencedirect.com/journal/current-opinion-in-environmental-sustainability/vol/33/suppl/C)). The issue includes:

- Introduction including an editorial and review paper on main concepts and biophysical processes, as well as its social linkage of global environmental change.
- Ecosystem structure and function change, presenting global and regional scale assessment of ecosystem structure and function changes and its drivers, ecosystem composition, type, and productivity.
- Hydrological processes and water resources, reviewing advances in hydrological processes, eco-hydrological processes, socio-hydrological processes in the river basins and the implications of the changing human-water relationship on sustainable water resources management
- Land use and soil conservation, reviewing the results of land use processes, soil erosion and conservation, social processes of land use decision-making and the implications of the changing human-land relationship on land conservation practices.
- Policy and adaptation measures, synthesis of new understandings of global environment change in changing human-environment relationship and recommendation on policy and adaptation measures.

### 3.2 Special issue on Pattern–Process–Service–Sustainability

During the session at the 2018 IGU Regional Conference, the new conceptual cascade of “pattern – process – service – sustainability” was discussed in the session, which is a new way to understand the dynamics of coupled human-earth systems, the management policies, and practices for improving sustainability. During the research processes of coupled human-earth systems, researchers should diagnose the response of land use or landscape PATTERN change (human activities) on ecological PROCESSES at multi-scales, and identify the ecosystem SERVICE among various ecosystem functions, and reveal the contribution of ecosystem service on human wellbeing. Human activities such as planning and governance are typical adaptations to regulate the natural components towards SUSTAINABILITY.

Based on the session discussion, a special issue is being organized in Chinese Geographical Science on *Pattern–Process–Service–Sustainability*. The topics of this special issue are as follows (not limited to):

- Land use or landscape pattern change on ecological processes
- Coupling of natural and human processes
- Ecosystem service evaluation and integrations
- Effects of global environmental change on ecosystem service
- Ecosystem service evaluation and tradeoff analysis
- Simulation of human and nature system
- Sustainability evaluation and

sustainable development

- Scale and scaling

Guest Editors of this special issue:

Prof. Wenwu Zhao,  
zhaoww@bnu.edu.cn, Beijing Normal University

Prof. Francesco Cherubini,  
francesco.cherubini@ntnu.no, Norwegian University of Science and Technology

Prof. Walter Musakwa,  
wmusakwa@uj.ac.za, University of Johannesburg, South Africa

### 3.3 Geography and Sustainability—the official journal of IGU-GFE

In order to promote international communication and cooperation on Geography, Future Earth, and Sustainability, a new official journal of IGU-GFE, named ***Geography and Sustainability***, is being initiated. Considering funding convenience, the application process of journal was set out in China. The journal will get main financial support from Faculty of Geographical Science, Beijing Normal University. Themes of the journal include:

- Fundamental geographical comprehensive theory and methods towards sustainable development.
- Conjunction and dynamic analysis among ecological processes, ecosystem services and human wellbeing.
- Multi-scale complexed human-earth coupling models.
- Human contribution and response to global change and sustainability.
- Monitoring and Integrative

Platforms for Geo-big data.  
Multi-scale sustainability evaluation  
methods and pathways for sustainable  
development.

version has been chosen as follows. The  
Logo includes the main theme of the IGU-  
GFE: sustainability, future earth, and  
development. The Logo can be download  
in the IGU-GFE website ([http://igu-  
gfe.org/download/](http://igu-gfe.org/download/)).

## **4. Other information**

### **4.1 Prof. Bojie Fu was elected as the vice president of IGU**

E-ballots for a Secretary General and three Vice Presidents of IGU were conducted in January-February successfully in 2018. Prof. Bojie Fu, the initiator chair of IGU-GFE, was elected as the vice president of the International Geographical Union (IGU) for the period from 2018 to 2022. Prof. Wenwu Zhao was selected as the new Chair of IGU-GFE, Dr. Yanli was selected as the new Secretary and Treasurer of IGU-GFE.

### **4.2 The current URL of the commission's website**

We purchased a new domain name and rebuild the IGU-GFE website and the current official domain name is **igu-gfe.org**. The website of IGU-GFE Commission is a bilingual (English-Chinese) website. It contains seven modules, including Home, About IGU-GFE, IGU-GFE structure, News, Journals, Relative group links, and Downloads.

### **4.3 The Logo of IGU-GFE commission**



The work on Logo design has finished. Based on the suggestion feedbacks from steering committee members, a final revised



# **T16.01 Olympiad Task Force**

**International Geographical Union  
Olympiad Task Force**

## **Report of Task Force Activities 2018**

### **1. Membership**

(a) Steering Committee. The 2017-2021 Steering Committee of the IGU Olympiad Task Force was made up of two co-chairs, the past, present and future Olympiad Local Organisers and four seconded members. With Olympiads scheduled every year the rotation of organisers meant that the Task Force drew membership from a range of countries, which means we can draw on a wealth of experience, and the Task Force is continually ‘refreshed’. Further, the rotation is important

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in the mentoring role of the Task Force and induction of future Local Organisers.

**From 2016-2021 the membership is as follows:**

There are now four co-opted members due to the increase of work.

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(b) Membership (i.e. the email distribution list). Currently 54 countries. It is made up of the Steering Committee (8) the International Board composed of representatives of participating countries (43 in 2018) other Olympiad team leaders, and geography educators from countries actively considering participating in future Olympiads. In addition, there are 15 geography educators in another 13 countries with whom we communicate at least annually, but who would not be described as active members. The country distribution is as follows:

<b>Team (in English)</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Argentina</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Armenia</b>	<b>1</b>		<b>1</b>
<b>Australia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Azerbaijan</b>	<b>1</b>		
<b>Belarus</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Belgium</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Bolivia</b>	<b>1</b>		
<b>Bosnia and Hercegovina</b>		<b>1</b>	<b>1</b>
<b>Brazil</b>	<b>1</b>		<b>1</b>
<b>Bulgaria</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Canada</b>			<b>1</b>
<b>China-Beijing</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>China-Hong Kong</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>China-Macau</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>China-Taipei</b>	<b>1</b>	<b>1</b>	<b>1</b>

<b>Croatia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Cyprus</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Czech Republic</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Denmark</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Estonia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Finland</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Germany</b>	<b>1</b>		<b>1</b>
<b>Hungary</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>India</b>		<b>1</b>	
<b>Indonesia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Israel</b>			
<b>Japan</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Kazakhstan</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Korea</b>		<b>1</b>	
<b>Latvia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Lithuania</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Mexico</b>			
<b>Mongolia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Montenegro</b>	<b>1</b>	<b>1</b>	
<b>The Netherlands</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>New Zealand</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Nigeria</b>	<b>1</b>		<b>1</b>
<b>Pakistan</b>	<b>1</b>		
<b>Philippines</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Poland</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Portugal</b>			
<b>Romania</b>	<b>1</b>	<b>1</b>	<b>1</b>

<b>Russia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Saudi Arabia</b>			
<b>Serbia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Singapore</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Slovakia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Slovenia</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Switzerland</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>South Africa</b>			
<b>Thailand</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Tunisia</b>			
<b>Turkey</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>United Kingdom</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>USA</b>	<b>1</b>	<b>1</b>	<b>1</b>
No. of Participating Teams	45	41	43

Additionally, we have had queries from Sweden for 2019 and France for 2020.

(c) URL of the Task Force website is <http://www.geoolympiad.org/>.

## 2. Meetings

The Task Force has organised an Olympiad in Quebec, Canada in 2018.

### *2018 International Geography Olympiad*

The 2018 iGeo was held in Quebec, from 31<sup>st</sup> July to 6th August 2018. It was hosted by the Université Laval and the Geographical Society of Canada. Professor Lynn Moorman, Beth Dye and Professor Matthew Hatvany led the Local Organising Committee.

Teams from 65 countries competed and 174 students, 89 leaders and official observers, plus a large number of members of the Local Organising Committee and volunteer assistants from the University.

Students from Russia, Singapore and Romania took the top three places. Although the Olympiad is first and foremost an individual competition, country places are always awarded. In 2018 these were as follows:

<i>Team</i>	<i>Ranking</i>
1.	Romania
2.	Singapore
3.	USA
4.	China-Beijing
5.	Lithuania

During the week of the Olympiad, two Task Force meetings and two International Board meetings were held. Whilst the business of these was mainly focused on the logistics and arrangements for the tests and the excursions of the Olympiad, general business around the Olympiad as a whole was discussed. We were delighted to welcome Dr. Joos Droogleever Fortuijn, First Vice President of the IGU to our

closing ceremony where she was able to present the Gold Medal Certificates. We are very grateful for the support of the IGU in our work.

The International Board meetings evaluated the progress of the Olympiad in attracting new countries, but also considered the impact of moving to an annual competition.

**Future Meetings.** The International Board has agreed to hold International Geography Olympiads annually. Given the interest in and growth of the Olympiad, and the national status associated with hosting such an event, the Task Force is continuing to offer an Olympiad every year. In non-IGU Congress/ Regional Conference years, the events may be attached to conferences of other IGU Commissions, but are at present, independently organised by the Task Force. It should not be underestimated how much more pressure is put upon the Task Force and the test convenors to produce high quality, fair and consistent tests every year. Planning is already under way with the Local Organising Committees for these future Olympiads:

### ***2019 International Geography Olympiad – Hong Kong***

In 2019 the Olympiad will be held from 31 July to 6 August at the Education University in Hong Kong. Dr. Alice Chow at the University.

## **3. Networking and Communication**

Since it was established in 2004, the Task Force has had regular contact with the Steering Committee of the Commission on Geographical Education. This arrangement has worked to our mutual benefit.

The communications of the Task Force are largely with national geography education representatives, where the Task Force is in regular contact with Geographers in more than 50 countries. As well as email communications to the international collective (constituted as the International Board, a governance group), discussion and debate over major issues takes place annually at Olympiad events.

The most important audience for the Olympiad is young geographers.

## **4. Publications**

The Task Force relies on its website and email list to communicate with the geographical community.

The Task Force itself does not publish any newsletters, journals or books. However, articles on countries' participation in the Olympiad appear in the newsletters, journals and websites of many national geographical education organisations.

The website of the Olympiad Task Force is found at [www.geoolympiad.org](http://www.geoolympiad.org)

The site is kindly maintained by the Geography Department of the National Taiwan Normal University. The site explains what the geography Olympiad is, with reference to the history stretching back to the 1996 Olympiad in the Netherlands. One key set of pages is found under the Statutes tab. The statements found here describe the key activities and processes of the Task Force. The second important set of pages is under the Test Guidelines tab, where the locations and details of the component tests (Written Response Test, Multimedia Test and the Fieldwork Exercise) are described. Each Olympiad Local Organising Committee also creates its own website. These include large amounts of information about that Olympiad. Photos and news are added during and after the Olympiad.

## **5. Funding**

We are grateful for the support of the Executive and IGU General Assembly through providing US\$5000 for the Olympiad Task Force in the IGU Memoranda of Understanding with Regional Conference and Congress Local Organising Committees. The Executive kindly increased this to US\$7500 from 2018 onwards, however, this was not forthcoming from the IGU Organising Committee. We are very grateful to the IGU for supplementing their usual administration grant of \$2500 by \$5000 to cover this lack of payment.

In 2017 the IGU Budget allocated \$2500 to support the International Geography Olympiad in Belgrade 2017 and has agreed to similarly support the International Geography Olympiad in Hong Kong in 2019. The funding will be used primarily for Task Force representatives to visit the Olympiad sites/hosts to (i) consult and approve the Olympiad fieldwork test, and (ii) to check the accommodation and facilities that have been secured by the hosts for the event.

It is still challenging for some countries to find the funding for attendance at the Olympiad. This year, we have again, received many queries about the possibility of bursaries or grants, particularly to fund travel. The Task Force discussed this at their meeting in Canada, but there were no immediate solutions agreed.



The Task Force will continue to monitor its practices and procedures, and revise as necessary, to ensure that the Olympiad tests recognise the world's best young geographers, and that other elements of the programme facilitate intercultural sharing between the students, and international networking between geography educators.

The Task Force will continue its outreach to countries that do not compete in the Olympiad and anticipates that the number of participants will continue to grow.

In conclusion, we would like to thank the Executive Committee of the IGU for their continued support and encouragement, particularly the former Secretary General, Mike Meadows and the First Vice-President, Joos Droogleever Fortuin. We look forward to sharing further successes of the Olympiad.

Sue Lomas and Su-Min Shen

Co-Chairs

International Geography Olympiad Task Force

## **T16.02 Centennial and Sequicentennial Task Force**

### **1. Membership**

The members of the TF/IGU EC participated at two meetings with the representatives of the Organizing Committee of the Extraordinary International Geographical Congress in Paris and French Geographical Society. They discussed the suggestions on the invitation of well-known politicians and other personalities as speakers and on different elements of its scientific and cultural programme. It was decided to coordinate the preparation of the bicentennial of French Geographical Society in 2021 (the oldest in the world) and of the Extraordinary IGC. The first draft of the programme should be ready by late 2019.

### **2. Meetings**

Two meetings of the TF and the editorial board of the international monographs were held; its members maintained regular contacts by email. They worked out the structure of the volume and the guiding principles for writing its chapters, established the contacts with sections' editors and authors of separate chapters.

### **3. Publications**

A new updated version of the structure has been submitted to the meeting of IGU EC in Galway (May 2019). It was decided to integrate initially planned two volumes into a single book written by physical and human geographers representing different parts of the world. The agreement on the publication of this book by Springer has been compiled and signed in late April 2019. The details of this agreement can be modified modified when the manuscript is ready.

# **T16.03 Young and Early-Career Geographers Task Force**

## **1. Membership**

### **1.1. Steering Committee**

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Gaurav Sikka (Secretary and Treasurer)

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### **1.2. Full Members**

- Jackeline Romio, Department of Demography, State University of Campinas-Brazil, Email: [jackeline.romio@gmail.com](mailto:jackeline.romio@gmail.com)
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### **1.3. Task Force Membership**

As a 'new' Task Force, efforts are in the direction to increase the number of corresponding members. The Task Force has launched its listserv at [geo-iguyecg@listserv.wvu.edu](mailto:geo-iguyecg@listserv.wvu.edu) to update geographers about our activities and circulating relevant information. The total members of the Task Force are 159 (as of 1<sup>st</sup> December 2018).

## **2. Meetings**

### **2.1. Meetings organized with basic details**

- XI<sup>th</sup> IGU Commission Seminar on Environment and Sustainable Livelihood  
Date: 8-10 February 2018  
Place: Guwahati, India

Organised by IGU Commissions on Biogeography and Biodiversity, Local and Regional development, Geo Heritage  
Host: B. Borooah College, Guwahati, India

- IGU-YECG Introductory Workshop on Google Earth Engine  
Date- 26<sup>th</sup> February to 2<sup>nd</sup> March 2018  
Place- Cape Town, South Africa  
Organized by IGU-YECG  
Host- Department of Geographical and Environmental Science, University of Cape Town
- 2018 International Geographical Union (IGU) Regional Conference – Canadian Association of Geographers (CAG) Annual Meeting  
Date: 6-10 August 2018  
Place: Quebec, Canada  
Host: Department of Geography, Laval University, Quebec

## **2.2. Brief Summary of the Meetings**

### **XI<sup>th</sup> IGU Commission Seminar on Environment and Sustainable Livelihood**

Date: 8-10 February 2018, Place: Guwahati, India

### **IGU-YECG's Academic Event: Introductory Workshop on Google Earth Engine at**

**University of Cape Town** Date- 26<sup>th</sup> February to 2<sup>nd</sup> March, Place- Cape Town, South Africa

### **XII IGU India Conference 2019**

Date: 22-24 February, 2019 Place: Panchkula, Haryana (India)

## **3. Publications**

- IGU-YECG has decided to come out with an edited book under the Springer Series with the theme “Youth and Geography” (tentative) edited by Komali Yenneti, Gaurav Sikka and Milton Milaras. It is being planned to launch the book at IGU Congress 2020 Istanbul, Turkey.
- The vision of the task force is empowering and nurturing future leaders in Geography, therefore, the Taskforce decided to present here the list of the articles and volumes published by the IGU-YECG members in English are the following:
- Aru S., **Graziano T.**, Landi F., Magistri P. 2018, *Migrations: between roots and arrivals, beyond barriers*, Memorie della Società di studi geografici, 16, pp. 267-270. ISSN 978-88-908926-2-2.

**Graziano T.** 2018, *Minority Language Communities and the Web in Italy*, in Brunn S., Kehrein R. (eds.), *Handbook of the Changing World Language Map*, Springer, Cham, pp. 1-21,

DOI: [https://doi.org/10.1007/978-3-319-73400-2\\_41-1](https://doi.org/10.1007/978-3-319-73400-2_41-1), ISBN 978-3-319-73400-2.

- Blaschke T., Merschdorf, H., **Cabrera-Barona P.**, Song G., Papadakis E. and Kovacs-Györi A. (2018) From Points, Lines and Polygons in GIS to Place-Based Representations Reflecting Language and Culture. *International Journal of Geo-information* 7(11), 452: 1-26.
- **Cabrera Barona P.** (2018) Services accessibility and self-reported health/quality of life in a low-income urban neighbourhood. E-conference: 55th International Making Cities Livable Conference.
- **Cabrera Barona P.** and Ghorbanzadeh O. (2018) Comparing Classic and Interval Analytical Hierarchy Process Methodologies for Measuring Area-Level Deprivation to Analyze Health Inequalities. *International Journal of Environmental Research and Public Health* 15(1), 140.
- **Cabrera-Barona P.** and Merschdorf H. (2018) A Conceptual Urban Quality Space-Place Framework: Linking Geo-Information and Quality of Life. *Urban Science* 2(3), 73: 1-14.
- **Graziano T.** 2018, *E-spaces of migration: Online narratives, digital connections and practices of self-representation among Italians living abroad*, Albanese V., Greco V., Proto M., Geography and the ICT. New Technologies & Geographical Research, Bononia University Press, Bologna, pp. 19-32. ISSN 2385-1694. ISBN 978-88-6923-327-2.
- **Graziano T.** 2018, *Interwoven Chaos: mental maps of Italian-speaker migrants*, in XIII Rapporto della Società Geografica Italiana – Per una geopolitica delle migrazioni. Nuove letture dell’altrove tra noi, Società Geografica Italiana, Roma, pp. 119-122. ISBN 978-88-88692-96-8.
- **Korson, C.** 2018. Global disorder in the undead world: Teaching geopolitics with zombies, *Journal of Geography*. DOI:[10.1080/00221341.2018.1518991](https://doi.org/10.1080/00221341.2018.1518991)
- **Graziano T.** 2018, *Migratory circular spaces in Southern Italy historical centres*, XIII Rapporto della Società Geografica Italiana – Per una geopolitica delle migrazioni. Nuove letture dell’altrove tra noi, Società Geografica Italiana, Roma, pp. 89-91. ISBN 978-88-88692-96-8.
- **Korson, C.** 2018. The common destiny framework, citizenship and customary governance in Kanaky/New Caledonia, *Forum for Development Studies*, Special Issue. DOI: [10.1080/08039410.2018.1464058](https://doi.org/10.1080/08039410.2018.1464058)
- **Korson, C.** 2018. (Re)balancing inequality through citizenship, voter eligibility and islandian sovereignty in Kanaky/New Caledonia, *Geopolitics*. DOI: [10.1080/14650045.2018.1543270](https://doi.org/10.1080/14650045.2018.1543270)
- **Korson, C.** 2018. Framing social rebalancing, national identity, and victimhood in Kanaky/New Caledonia. *Social & Cultural Geography* 19(5): 549-575. DOI: [10.1080/14649365.2017.1286372](https://doi.org/10.1080/14649365.2017.1286372)
- Kovacs-Györi A., Ristea A. Havas C., Resch B. and **Cabrera-Barona P.** (2018) #London2012: Towards Citizen-Contributed Urban Planning Through Sentiment Analysis of Twitter Data. *Urban Planning* 3(1): 75-99.
- Li, W., Bakshi, K., **Tan, Y.**, & Huang, X. 2018. Policies for Recruiting Talented Professionals from the Diaspora: India and China Compared. *International Migration*. <https://doi.org/10.1111/imig.12456>
- Li, W., Lo, L., and **Tan, Y.** 2017. Globalization in China and Studying in North America. In *Handbook on China and Globalization*. Edward Elgar
- Prasad, D., Ding, L., **Yenneti, K.**, Fan, H., Craft, W., Sanchez, A.X., Li, X., Arnold, P., Bouhmad, K., Earley, R., Wang, Y., Wu, J., Li, F., You, N., Fox, J., Aragon, J.D. (2018). Guidelines for

Sustainable Cities and Communities. Policy report for the United Nations Environment Programme (UNEP) and Jia Cui (China) Environmental Promotive Center.  
[http://www.lowcarbonlivingcrc.com.au/sites/all/files/publications\\_file\\_attachments/suc-unep\\_guidelines\\_final\\_22.12.17.pdf](http://www.lowcarbonlivingcrc.com.au/sites/all/files/publications_file_attachments/suc-unep_guidelines_final_22.12.17.pdf)

- **Sengupta, D.**, Chen, R., Meadows, M.E., 2018 Building beyond land: An overview of coastal land reclamation in 16 global megacities, *Applied Geography*, 90, 229-238, DOI: 10.1016/j.apgeog.2017.12.015.
- **Sikka, G. & Mathur, V.** 2018. Gender Analysis of Post Resettlement Transformation in Livelihood Opportunities at Sardar Sarovar Project Resettlement Sites, India. *Journal of Land and Rural Studies*, Vol.6, No.1, SAGE Publishing, ISSN: 23210249
- **Yenneti, K.** 2018 Fostering partnerships for ‘climate-smart cities’, *Shashwat*, 4 (5): 174-179.
- **Yenneti, K.** 2018 Making ‘Climate-Smart’ Indian Cities. A Very Short Policy Brief, Australia India Institute, 6: 1-16 <https://www.aii.unimelb.edu.au/publications/very-short-policy-brief-volume-6-february-2018/>
- **Yenneti, K.** and Kasamsetty, S. 2018 Building Integrated Solar Technologies (BIST) for a City’s Best, *Energy Manager*, 10 (4): 6-12.
- **Yenneti, K.**, Santamouris, M., Prasad, D., and Ding, L. 2018. Cooling Cities: Strategies and Technologies to Mitigate Urban Heat, Outcomes Document, Cooperative Research Centre for Low Carbon Living (CRCLCL),  
[http://www.lowcarbonlivingcrc.com.au/sites/all/files/event\\_file\\_attachments/discussion\\_paper\\_cooling\\_cities\\_final.pdf](http://www.lowcarbonlivingcrc.com.au/sites/all/files/event_file_attachments/discussion_paper_cooling_cities_final.pdf)

#### 4. Archival Contributions

All the reports of meetings were sent to IGU secretariat. We use our Task Force website as kind of archive. It offers all available meeting reports, photo gallery representing our meetings. This report is structured following the instructions of the IGU Executive Committee.

