



KARST COMMISSION

Commission Report 2020

A. Membership

A.1. Steering Committee

Chair: Prof (Associate) Dr. Eko Haryono

Faculty of Geography
University of Gadjah Mada, INDONESIA
e-mail: e.haryono@ugm.ac.id

Vice Chair : Prof. Junbing Pu

Institute of Karst Geology, Chinese Academy of Geological Sciences
International Research Center on Karst, UNESCO
Email: junbingpu@karst.ac.cn

COMMITTEE MEMBERS

Professor David Gillieson

School of Geography, Faculty of Science
The University of Melbourne
Email: david.gillieson@jcu.edu.au

Dr. Didier Cailhol

Savoie University
FRANCE
Email: dcailhol@orange.fr

Prof. (Associate) Dhanjit Deka, PhD

Department of Geography
B Borooah College (Under University of Gauhati), INDIA
Email: dhanjeet.85@gmail.com

Prof. Jianhua Cao

International Research Centre on Karst, UNESCO
Institute of Karst Geology, China
Email: jhcaogl@karst.ac.cn

Dr. Lee Anne Bledsoe

Department of Geography and Geology
University of Western Kentucky
Email: lee.bledsoe@wku.edu

Dr Luiz Eduardo Panisset Travassos

Laboratório De Estudos Ambientais – LEA
PUC Minas, BRASIL
e-mail: luizepanisset@gmail.com

Prof. Dr. Martin Knez

Research Centre of the Slovenian Academy of Science
Karst Research Institute, SLOVENIA
Email: knez@zrc-sazu.si

Prof. Dr. Nenad Buzjak

Department of Geography, Faculty of Science
University of Zagreb, CROATIA
nbuzjak@geog.pmf.hr

Total corresponding Members of KC-IGU is 279 from 35 countries. The number of members by countries is shown in the following table.

No	Country	Total	No	Country	Total
1	Australia	5	21	Japan	4
2	Austria	6	22	Poland	9
3	Belgium	12	23	Portugal	4
4	Bermuda	1	24	Korea	2
5	Bosnia	1	25	Romania	1
6	Basil	3	26	Rusia	15
7	Bulgaria	2	27	Serbia	3
8	Canada	4	28	Slovakia	5
9	China	27	29	Slovenia	17
10	Croatia	15	30	South Africa	2
11	Czech Republic	6	31	Spain	11
12	French	33	32	Turkey	2
13	Germany	11	33	UK	7
14	Greece	3	34	Ukraine	1
15	Hungary	15	35	US	20
16	Indonesia	10			
17	Iran	1			
18	Ireland	1			
19	Israel	1			
20	Italy	19			

B. Meetings

B.1. Previous Meeting

18-20 August 2020

International Conference on Conservation of Fragile Karst Resources – A Workshop on Sustainability and Community in support of UNESCO science programs (karst2020.com).

The conference was hosted by former KC member (Prof. Dr. Cristopher Grove) and present IGU-Karst Commission Committee member (Dr. Lee Anne Bledsoe) and, Western Kentucky University in collaboration with Karst Commission-IGU; Man and the Biosphere (MAB) World Heritage Convention (WHC); Global Geopark Network (GGN) UNESCO/IUGS International Geoscience Program Project #661 (IGCP); International Association of Hydrogeologists Karst Commission (IAH KC); International Research Center on Karst under the auspices of UNESCO (IRCK);, World Karst Aquifer Map (WOKAM) Program; International Union for Conservation of Nature (IUCN) IUCN Cave and Karst Working Group

The purpose of this meeting is to enhance communication and the sharing of ideas and resources between major international conservation and science programs that protect, study, or manage cave and karst resources. The meeting brought together (virtually) a diverse group of managers, scientists, educators, and community partners to share successes and challenges in promoting sustainability and community involvement while protecting fragile karst ecosystems.

20 December 2020

*Karst session at the **International Conference on Global to Local Sustainability & Future Earth** organized by Department of Geography, Mohanlal Sukhadia University, India.*

Karst session was assigned to discuss sustainable management of karst. During the discussion four panelists were invited representing India, Bangladesh, Indonesia, and Eastern Europe.

October, 10 Nov 2020 , and 11 Jan 2021

***CaveMAB series virtual meeting** hosted by Dr. Lea Anne Bledsoe (Western Kentucky University) to discuss road map to discuss activities road to International Cave and Karst Year 2021.*

The meeting discussed a cave clean up movement plan. How to promote and awareness raising, how to inventory with the help of geography students (mapping) and of the wider publics; how to organize of volunteers: collection of applications – because people from all over the country wanted to participate; defining of garbage collection spots/sites according.

B.2. Future Meeting Plans

2021

1. Serial virtual talks ‘Road to International Cave and Karst Year 2021’. Held on March up to June 2021

The meeting will invite steering committee members and partners to give talk in promoting better cave and karst protection and management. Among the theme will be scheduled are:

- a. Disseminate and discussion on new-published Guidelines for Geo-conservation in Protected and Conserved Areas published by IUCN. The guideline was prepared by Cave and Karst Working Group IUCN where some members are former and present KC-IGU steering committee.
- b. Disseminate and discussion on revised Guidelines for Cave and Karst Protection. The book is prepared by Prof. Dr. David Gillieson, one of KC-IGU steering committee from School of Geography, Faculty of Science The University of Melbourne.

2. Karst session on 34th International Geographical Congress 2021, 16-20 August, Turkey.

KC-IGU will host two topics:

- a. Global Karst Critical Zone (KCZ) chaired by Prof. Dr. Jianhua Cao from International Research Centre on Karst, China. The session will discuss the nature of Karst Critical Zone that is the most susceptible to environmental change and disturbances. The discussion seeks to have better understanding of KCZ in order to anticipate and mitigate karst environmental deterioration.
- b. Land Use Planning in Karst Region, Chaired by Dr. Eko Haryono from Universitas Gadjah Mada, Indonesia. The session invites karst scientist to share and discuss best practice on karst zonation for better karst management.

3. 18th International Congress of Speleology, 21-31 July, Lion France.

The International Cave and Karst Year (ICKY 2021) will be inaugurated in the conference. KC-IGU is one of the patronage in the initiation of ICKY-2021. The ICKY 2021 will be launched in the 29th Januari 2021. KC-IGU will contribute a serial activities heading to conference in July.

2022-2023, Regional Conference

Currently there are regular Regional Geographical Conferences. Karst Commission will host a session within these following regional conferences

- a. Asian Geographical Congress
- b. American Geographical Congress
- d. Euro-Geography Conference

2024 35th International Geographical Congress

Karst commission will host two sessions, the topics has not been decided yet. It will be decided during the meeting in 2023

C. Networking

KC-IGU is actively communicating with KC-International Hydrogeologist Association, International Union of Speleology, European Federation of Speleology, Asian Union of Speleology.

KC-IGU also

D. Publications

Newsletter

KC-IGU will prepare a monthly Newsletter starting from Januari 2021.

Monograph

Karst commission is planning to publish book chapter, entitled

1. **World Subterranean Heritage diversity** organized by Elena Trofimova, the former chair of KC-IGU. Sixteen manuscripts have submitted and edited. The book is now in the final editing.
2. **Land use planning in karst landscape.** The book is planned to be published in 2024. The book is planned to share best practices in karst zonation for better karst management.

Website

KC-IGU is prearing a website and will be launched in the end of January 2021.

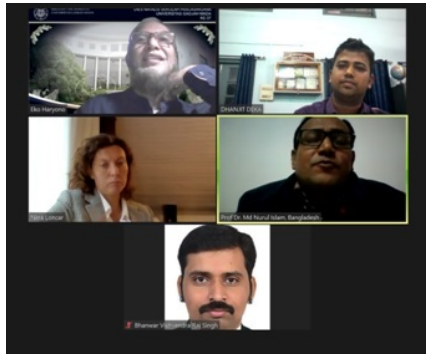
The website is intended to share information and to promote international reseach collaboration of the members as well as other institution.

Karst Geo-Portal

KC-IGU plan to establish karst Geo-Portal to store karst data base of the world.

By having geo-portal, information on karst of the world can be assessed easily to facilitate karst zonation and karst management. The lack data is one main constrain in understanding karst environmental setting and in managing karst area.

E. Archival Contributions



Karst session in the *International Conference on Global to Local Sustainability & Future Earth* organized by by Department of Geography, Mohanlal Sukhadia University, India.

F. Productive Use of previous IGU grant

KC-IGU has not use previovesus grant yet