



**INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
UNION GEODESIQUE ET GEOPHYSIQUE INTERNATIONALE**

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This monthly newsletter is intended to keep IUGG Members and individual scientists informed about the activities of the Union, its Associations and interdisciplinary bodies and about the actions of the IUGG Secretariat, Bureau, and Executive Committee. Past issues are posted on the IUGG website (<http://www.iugg.org/publications/ejournals/>). E-Journals may be forwarded to those who will benefit from the information. Your comments are welcome.

Contents

1. Council Meeting at the 27th IUGG General Assembly
2. Bureau and Finance Committee Members for 2019-2023
3. Association Presidents and Secretaries General for 2019-2023
4. Officers of Union Commissions (2019-2023)
5. Union Budget for 2020-2023
6. Location of the 28th IUGG General Assembly in 2023
7. Liaison Officers (2019-2023) to international and intergovernmental organizations
8. Resolutions of the 27th IUGG General Assembly
9. Editorial note
10. Meeting calendar

1. Council Meeting at the 27th IUGG General Assembly

The Council Meeting was held in Montreal, Canada, from 10 to 16 July 2019. At three sessions of the meeting, the Council delegates representing 40 Member countries discussed various topics and approved/ratified the following decisions:

- Admission of Algeria as a Regular National Member, and Serbia and Uruguay as Associate Members; and the transfer of North Macedonia to Associate membership.
- Least Developed Countries (as defined by the United Nations) can become IUGG Regular Members in Category 1 paying annual contributions at the level of 25% of the Category 1 membership dues.
- New IUGG Officers were elected (see item 2).
- The budget for 2019-2023 was approved (see item 5).
- Berlin, Germany was selected as the venue for the 28th IUGG General Assembly in 2023 (see item 6).
- Official IUGG Liaisons to various intergovernmental and international scientific bodies were appointed (see item 7).
- Three resolutions were passed (see item 8).



Group photo of the IUGG Council Delegates and IUGG Executives at the 27th General Assembly (Photo: IUGG2019)

2. Bureau and Finance Committee Members for 2019-2023

President: Kathryn Whaler (UK)

President-Elect: Chris Rizos (Australia)

Secretary General: Alexander Rudloff (Germany)

Treasurer: Niels Andersen (Denmark)

Members: Stephen McNutt (USA), Eduard Petrovsky (Czech Republic), Jun Xia (China)

Finance Committee Members are Jozsef Adam (Hungary), Priscilla Grew (USA), Corina Risso (Argentina). The Committee selected Corina Risso as the Committee's Chair.

3. Association Presidents and Secretaries General for 2019-2023

International Association of Cryospheric Sciences

President: Regine Hock, USA

President-Elect: Liss M. Andreassen, Norway

Secretary General: Richard Essery, UK

International Association of Geodesy

President: Zuheir Altamimi, France

Secretary General: Markku Poutanen, Finland

International Association of Geomagnetism and Aeronomy

President: Mioara Mandea (France)

Secretary General: Monika Korte (Germany)

International Association of Hydrological Sciences

President: Günter Blöschl (Austria)

President-Elect: Berit Arheimer (Sweden)

Secretary General: Christophe Cudennec (France)

International Association of Meteorology and Atmospheric Sciences

President: Joyce Penner (USA)

Secretary General: Steven Ackerman (USA)

International Association for the Physical Sciences of the Oceans

President: Trevor McDougall (Australia)

Secretary General: Stefania Sparnocchia (Italy)

International Association of Seismology and Physics of the Earth's Interior

President: Kenji Satake (Japan)

Secretary General: Johannes Schweitzer (Norway)

International Association of Volcanology and Chemistry of the Earth's Interior

President: Patrick Allard (France)

Secretary General: Roberto Sulpizio (Italy)

4. Officers of Union Commissions

The officers of the Union Commissions are listed below.

Union Commission on Climatic and Environmental Changes (CCEC)

Chair: Jiangping Li (China)

Secretary: Tonie van Dam (Luxembourg)

Union Commission on Mathematical Geophysics (CMG)

Chair: Alik Ismail-Zadeh (Germany/Russia)

Secretary: Ilya Zaliapin (USA)

Union Commission on Geophysical Risk and Sustainability (GeoRisk)

Chair: John LaBrecque (USA)

Secretary: Katia Kontar (USA)

Union Commission on Studies of Earth's Deep Interior (SEDI)

Chair: Christine Thomas (Germany)

Secretary: Michael Bergman (USA)

Union Commission on Data and Information (UCDI)

Chair: Satheesh Shenoi (India)

Vice-Chair: Anatoly Soloviev (Russia)

Union Commission on Planetary Sciences (UCPS)

Chair: Shuanggen Jin (China)

Secretary: Scot Rafkin (USA)

5. Union Budget for 2020-2023

The activities of IUGG are based on payment of membership dues plus other direct and indirect contributions. IUGG has 72 members, 58 of them are Regular members paying dues. The annual amount of dues is about \$550K (the budget is in US\$; K means thousands). Expected balance on 1 January 2020 is ~\$662K. Income in the period of 2020-2023 is estimated to be \$2,226K, making ~\$2,888K in total. Planned expenditures is \$2,315K, and hence an expected balance on 31 December 2023 would be ~\$573K. Half of IUGG funds goes to Union Associations (\$1,082K), the remaining part to the Union Grants program and support of scientific meetings (\$75K), travel grants for the next general assembly (100K), Science and Education Program (\$280K), Union activities (\$156K), International Science Council (\$128K), and administration (\$494K).

6. Location of the 28th IUGG General Assembly in 2023

The IUGG Council selected *Berlin (Germany)* as the site of the 28th IUGG General Assembly to be held in July 2023. The exact dates of the assembly will be announced soon.

7. Liaison Officers (2019-2023) to international and intergovernmental organizations

The Council approved the following Liaison Officers

Name of the Organization	Name of the proposed liaison (country)
ISC Committee on Data for Science and Technology (CODATA)	Alena RYBKINA (RUSSIA)
ISC Committee on Space Research (COSPAR)	Andrew W. YAU (CANADA) Christopher KOTSAKIS (GREECE)
ISC Scientific Committee on Antarctic Research (SCAR)	Ian ALLISON (AUSTRALIA) John TURNER (UK)
ISC Scientific Committee on Oceanic Research (SCOR)	Trevor MCDOUGALL (Australia) Joyce PENNER (USA)
ISC Scientific Committee on Solar-Terrestrial Physics (SCOSTEP)	Renata LUKIANOVA (RUSSIA) Peter PILEWSKIE (USA)
ISC World Data System (WDS)	Toshihiko IYEMORI (JAPAN) Aude CHAMBODUT (FRANCE) Carey NOLL (USA)
UNESCO Section on Earth Sciences and Geo-Hazards Risk Reduction	Alik ISMAIL-ZADEH (GERMANY/RUSSIA) Harsh GUPTA (INDIA)
UNESCO International Hydrological Program (UNESCO-IHP)	Christophe CUDENNEC (FRANCE) Charles FIERZ (SWITZERLAND)
UNESCO Intergovernmental Oceanographic Commission (UNESCO-IOC)	Denise SMYTHE-WRIGHT (UK) Satheesh SHENOI (INDIA)
World Meteorological Organization (WMO)	Roger PULWARTY (USA) Christophe CUDENNEC (FRANCE) Charles FIERZ (SWITZERLAND) Jens WICKERT (GERMANY) Hua ZHANG (CHINA)

United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)	Harald SCHUH (GERMANY)
International Civil Aviation Organization (ICAO)	David SCHNEIDER (USA) Larry MASTIN (USA)
Intergovernmental Panel on Climate Change (IPCC)	Franz KUGLITSCH (GERMANY/AUSTRIA)
World Climate Research Programme (WCRP)	Lisa ALEXANDER (AUSTRALIA)
Consultative Committee for Time and Frequency (CCTF)	Claude BOUCHER (FRANCE) Gerard PETIT (FRANCE)
Pan American Institute of Geography and History (PAIGH)	Laura SANCHEZ (GERMANY/COLOMBIA)
Group on Earth Observations (GEO)	Michael SIDERIS (CANADA) Chris RIZOS (AUSTRALIA) Kathryn WHALER (UK)

8. Resolutions of the 27th IUGG General Assembl

The Council approved 3 Resolutions as listed below. The text of the Resolutions will be posted on the IUGG website as soon as possible.

- Resolution 1: Reducing the Carbon Footprint by the Research Community
- Resolution 2: The International Terrestrial Reference Frame (ITRF)
- Resolution 3: Thanks

9. Editorial note

Dear Reader: after twelve years being the Editor-in-Chief of the IUGG Electronic Journal, I am retiring. For the past years, the goal of the Editorial team was to inform you about the most important activities of the Union and its Associations. The journal's content was extended to include IUGG outreach and science education activities. I hope that monthly issues kept you well informed about IUGG. I thank you for your confidence. The new Editor-in-Chief of the Electronic Journal (starting on 1 September) will be Dr. Alexander Rudloff, IUGG Secretary General.

Alik Ismail-Zadeh

10. Meeting calendar

August

- 2-6, IPCC, Geneva, Switzerland, 50th Session of IPCC. Web: <https://www.ipcc.ch/calendar/>
- 26-29, AGU, San Diego CA, USA, Chapman Conference on Understanding Carbon Climate Feedbacks. Web: <https://connect.agu.org/aguchapmanconference/upcoming-chapmans/carbon-climate>

- 28-30, IAMAS, Rovereto, Italy, First TEAMx (Multi-scale transport and exchange processes in the atmosphere over mountains – programme and experiment) Workshop. Web: <http://www.teamx-programme.org/first-workshop>

September

- 1-6, IAHS, Birmingham, United Kingdom, 10th Annual Catchment Science Summer School. Web: <https://www.birmingham.ac.uk/research/activity/water-sciences/summer-school/index.aspx>
- 2-14, IUGG, ICTP, Trieste, Italy, Advanced Workshop on Earthquake Fault Mechanics. Web: <http://indico.ictp.it/event/8715/>
- 9-12, IAHS, Liege, Belgium, 10th International Groundwater Quality Conference. Web: <http://aimontefiore.org/GQ2019/>
- 9-13, YES, GFZ, IUGS, Berlin, Germany, 5th International YES Congress 2019 "Rocking Earth's Future". Web: <https://yesdeutschland.weebly.com/yes-congress-2019.html>
- 16-20, IAG, IUGG, Buenos Aires, Argentina, Workshop on the Implementation of the Global Geodetic Reference Frame (GGRF) in Latin America. Web: <http://www.sirgas.org/en/ggrf/>
- 17-21, IPCC, Monaco, 51st Session of IPCC. Web: <https://www.ipcc.ch/calendar/>
- 18-20, IAG, ISPRS, Munich, Germany, MRSS19 - Munich Remote Sensing Symposium 2019. Web: <http://www.pf.bgu.tum.de/isprs/mrss19/index.html>
- 23-25, SCOR, Toyama, Japan, 2019 SCOR Annual Meeting. Web: <https://scor-int.org/events/scor-annual-meeting-2019/>

October

- 13-18, AGU, Selfoss, Iceland, Chapman Conference on Large-scale Volcanism in the Arctic: The Role of the Mantle and Tectonics. Web: <https://connect.agu.org/aguchapmanconference/upcoming-chapmans/arctic-volcanism>
- 14-18, AGU, Polson MT, USA, Chapman Conference on Winter Limnology in a Changing World. Web: <https://connect.agu.org/aguchapmanconference/upcoming-chapmans/winter-limnology>
- 14-18, WCRP, Beijing, China, International Conference on Regional Climate. ICRC-CORDEX 2019. Web: <https://www.wcrp-climate.org/wcrp-events>
- 21-24, AGU, Valencia, Spain, Chapman Conference on Quest for Sustainability of Heavily Stressed Aquifers at Regional to Global Scales. Web: <https://connect.agu.org/aguchapmanconference/upcoming-chapmans/aquifers-sustainability>
- 22-25, IAMAS, WCRP, Madrid, Spain, DynVarMIP workshop on atmospheric circulation in a changing climate. Web: <http://www.sparedynvar.org/dynvar-workshop>

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