



INTERNATIONAL UNION OF GEODESY AND GEOPHYSICS
UNION GEODESIQUE ET GEOPHYSIQUE INTERNATIONALE

The IUGG Electronic Journal

Volume 25 No. 4 (1 April 2025)

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 the actions of the IUGG Secretariat, Bureau, and Executive Committee. Past issues are posted [here](#). E-Journals may be forwarded to those who will benefit from the information. Your comments are welcome.

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1. IUGG – At the EGU General Assembly 2025

Great Debate



The IUGG kindly invites you join the Great Debate on *Out of the bubble: Can you become a better science communicator if you leave your comfort zone?* on Tuesday, 29 April 2025, 10:45-12:30, Room E1, Austria Center

Vienna, on occasion of the EGU General Assembly 2025.

This Great Debate is a joint effort of the ‘Task Team on Global Policy Advice’ of the Global Geoscience Societies – a loose consortium composed of the American Geophysical Union (AGU), the European Geosciences Union (EGU), the Geological Society of London (GSL), the Japan Geoscience Union (JpGU), the International Union of Geodesy and Geophysics (IUGG), the International Union of Geological Sciences (IUGS), and other globally active geoscience unions and societies. IUGG will be represented by Alexander Rudloff, IUGG Secretary General.

More information can be found [here](#).

Exhibition Booth

Learn more about IUGG, the Association Scientific Assemblies 2025, and our General Assembly 2027 and visit us at our exhibition booth (#X217) from Monday, 28 April, 10:00.

Leadership Meeting

Members of the IUGG leadership participating in the EGU25 is looking to engage with representatives of the Associations, Union Commissions and Committees. Please let us know (secretariat@iugg.org), if you wish to meet on Tuesday, 29 April 2025, 14:00–15:45, Room 2.61.

2. IUGG – U.S. Science under Pressure

Recent actions by the U.S. federal government affecting agencies that fund science in the U.S. have sent shock waves through the research community. Marcia McNutt, President of the U.S. National



**NATIONAL ACADEMY
OF SCIENCES**

Academy of Sciences, which also acts as the U.S. Adhering Body to IUGG, discusses her views on the current situation and how the National Academies of Sciences are navigating the turbulence.

Read the full interview [here](#).

3. IUGG – What’s Next for Early-Career Geoscientists: Survey Results

What do students and early-career geoscientists really think about their career paths?

The Global Geoscience Societies surveyed 520 participants worldwide to better understand their career goals, challenges and support needs.

What’s Next for Early-Career Geoscientists?

The Global Geoscience Societies Initiative surveyed 520 students and early-career geoscientists worldwide to understand their career goals, challenges and support needs. Read the full report.



Read the full report [here](#).

This initiative is a collaboration between many global geoscience organisations, including the IUGG.

4. IUGG – Signs Appeal to Immigration Authorities

The Presidents of several international scientific unions of the International Science Council ([ISC](#)) including IUGG signed a letter for use by scientists who apply for an entrance visa to attend scientific activities in another country. Although this letter has no legally binding value, it may improve the applicant's chances of obtaining the desired visa under challenging situations.

The letter can be downloaded [here](#).

Appeal to Immigration Authorities

Signed by Presidents of International Science Unions

Dear Immigration Officer,

The United Nations Sustainable Development Goals (SDGs), particularly Goal 17, advocate strengthening global science partnerships. Collaboration and cooperation among scientists are essential for all humanity and highly beneficial to the countries involved.

As Presidents of global scientific unions affiliated with the ISC (International Science Council), we encourage the immigration authorities worldwide to favorably consider awarding scientists an entrance visa to allow them to participate in scientific conferences and workshops, carry out joint research projects, exchange ideas, prepare joint research proposals, write joint publications, teach students, give lectures, and collaborate in any other form.

We appreciate your help in the name of all scientists worldwide.



Prof. Ehud Keinan
President, International Union of Pure and Applied Chemistry (IUPAC)



Prof. Silvina Ponce Dawson
President, International Union of Pure and Applied Physics (IUPAP)



Dr. Santiago Garcia-Granda
President, International Union of Crystallography (IUCr)



Prof. Lena Halounova
President, International Society for Photogrammetry and Remote Sensing (ISPRS)



Prof. W.H.A. (Wil) Schilders
President, International Council for Industrial and Applied Mathematics (ICIAM)



Prof. Anthony Watts
President, International Union of Pure and Applied Biophysics (IUPAB)



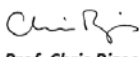
Prof. Nathalie Lemarchand
President, International Geographical Union (IGU)



Prof. Karl-Josef Dietz
President, International Union of Biological Sciences (IUBS)



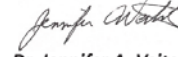
Prof. Hiraku Nakajima
President, International Mathematical Union (IMU)



Prof. Chris Rizos
President, International Union of Geodesy & Geophysics (IUGG)



Prof. Ari Sihvola
President, International Union of Radio Science (URSI)



Dr. Jennifer A. Veitch
President, International Commission on Illumination (CIE)



Prof. Laura Sadori
President, International Union for Quaternary Research (INQUA)



Prof. Victor O. Chude
President, International Union of Soil Sciences (IUSS)



Prof. Maria Ackrén
President, International Arctic Social Sciences Association (IASA)



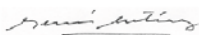
Prof. Rino Rappuoli
President, International Union of Microbiological Societies (IUMS)



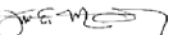
Prof. Anil Kumar
President, International Union of Materials Research Societies (IUMRS)



Prof. Jacques Magnaudet
President, International Union of Theoretical And Applied Mechanics (IUTAM)



Dr. Germán Gutiérrez
President, International Union of Psychological Science (IUPSYS)



Prof. Catherine Lamoureux
President, International Union of Toxicology (IUTOX)



Prof. Georg Gartner
President, International Cartographic Association (IASA)



5. IUGG – Supported Meetings

IAGA – 9th IAGA/ICMA/SCOSTEP Workshop on Vertical Coupling in the Atmosphere-Ionosphere System: Report

The 9th IAGA/ICMA/SCOSTEP Workshop on Vertical Coupling in the Atmosphere-Ionosphere System took place at the University of New Brunswick, Fredericton, NB, Canada during the week of 2 to 7 June 2024. The meeting was a combined meeting with the 6th Antarctic Gravity Wave Instrument Network Meeting (ANGWIN) Workshop.

This biennial meeting brought together scientists with differing backgrounds in the science of the atmosphere, ionosphere and magnetosphere. It provided a venue for discussions and collaborations between scientists involved in studying the coupling and associated mechanisms linking these regions. Papers on the observations, data analysis, modelling and theory relevant to all aspects of this coupling were accepted. In keeping with past meetings, the ambiance was informal to encourage explorations of the science and collaborations. Paper topics included coupling between the atmosphere and ionosphere due to tides and planetary waves to ionospheric phenomena, airglow and instrument techniques (ground based and satellite). Because the meeting was combined with ANGWIN, this meeting featured papers on coupling by gravity waves in Polar regions. These papers highlighted the advances in modelling and observing the nature of the coupling processes between these regions.

The meeting was attended by over 30 participants (close to half were students or early career scientists). Scientists from 15 different countries and 12 different institutions participated in the meeting. Five tutorial sessions were held, which covered the observation techniques and phenomena of importance to understanding coupling processes linking the upper atmosphere/ionosphere to the lower atmosphere. These provided a broad foundation for the students at the meeting. PDFs of these tutorial and most of the regular presentations were made available to all participants after the meeting. 27 scientific papers were presented and a special issue for the meeting is being organised (currently planned for JASTP). This would be open to scientists from the broader community.



Participants of the VCAIS/ANGWIN Meeting 2024 in Fredericton, Canada

The paper, 'Birefringent Doppler Wind Imaging Interferometer (BIDWIN), CSA FAST Project Presentation' by Basile Fayol (University of New Brunswick), was identified by the Scientific Organising Committee as the outstanding student paper for the workshop.

The length of time for visas is becoming prohibitively long for scientists from low- and middle-income countries. In many cases this was over 6 months and in some cases over a year. This issue is preventing full participation by students and scientists from these countries. The current political climate is also making it impossible for scientists from China and Russia to attend.

The organisers are grateful for the financial support from SCOSTEP/PRESTO, IUGG, IAGA and the University of New Brunswick which made this meeting possible.

Loren Chang, Chair of the Scientific Organising Committee
Christina Arras, VCAIS Chair
William Ward, Chair of the Local Organising Committee

IAMAS – 2nd Meeting of the Global Initiative on Resilience to Natural Hazards through AI Solutions: Announcement



On 8 and 9 May 2025, the Global Initiative on Resilience to Natural Hazards through AI Solutions, a partnership between five UN agencies (ITU, WMO, UNEP, UNFCCC, and UPU) to lay the groundwork for international standards, will organise a hybrid workshop and meeting hosted by ESA/ESRIN in Frascati, Italy, and supported by the IUGG. Registration is free and can be done on the [Global Initiative homepage](#).

The workshop (8 May) will feature invited presentations by experts who are applying AI to address natural hazards and disasters. Showcasing different types of data (e.g., radar, GNSS, and street-level imagery), algorithms (including physics-informed models), end-products, and hazards (e.g., droughts, extreme precipitation, floods, landslides, and tsunamis), the day-long workshop will provide a snapshot of the current state-of-the-art. It will be followed by a meeting (9 May) of the Global Initiative. All are warmly welcome to participate!

Monique Kuglitsch,
Chair of the Global Initiative on Resilience to Natural Hazards Through AI Solutions

IAPSO – 20th Oceanography Colloquium and 12th National Marine Sciences Conference: Announcement

The 20th Oceanography Colloquium and 12th National Marine Sciences Conference will take place in Puerto Madryn, Argentina, from 1 to 5 December 2025. This event, a key gathering for the regional oceanographic community, aims to foster interdisciplinary collaboration and discuss scientific advances in the marine sciences.



International Association
for the Physical Sciences of the Oceans

Under the theme 'Oceans, a Sea of Opportunities for Our Future' the conference will address pressing challenges such as ocean sustainability, climate change, and marine conservation.

Scientists from Argentina and neighbouring countries will present research on physical oceanography, biogeochemistry, coastal processes, and air-sea interactions. The conference will feature a hybrid format, with in-person sessions at the Centre for the Study of Marine Systems (CESIMAR-CONICET) and the National University of Patagonia San Juan Bosco (UNPSJB), and virtual components for international participation. More information can be found [here](#).

6. IUGG ASSOCIATIONS – Scientific Assemblies 2025: Important Deadlines

In 2025, our eight Union Associations will organise the following (some joint) Scientific Assemblies in chronological order:



[Geneva, Switzerland](#)

[29 June-4 July 2025](#)



[Busan, Rep. of Korea](#)

[20-25 July 2025](#)

Early Bird Registration Deadline:

30 April 2025



[Lisbon, Portugal](#)

[31 August-5 September 2025](#)

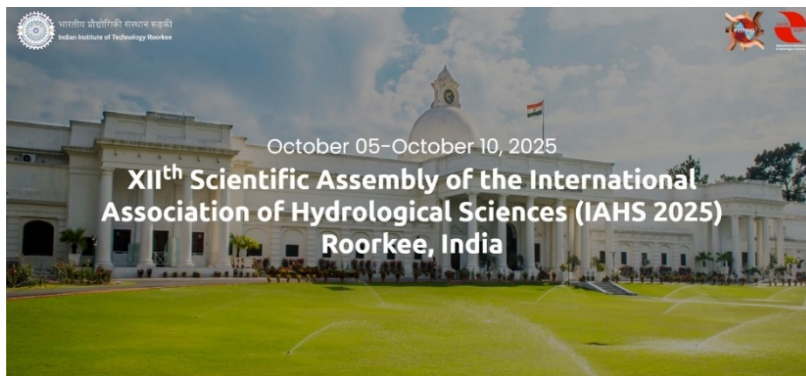
Early Bird Registration Deadline:

21 May 2025



[Rimini, Italy](#)
[1-5 September 2025](#)

Early Bird Registration Deadline:
31 May 2025

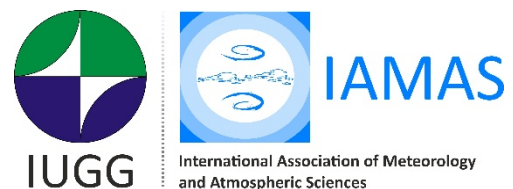


[Roorkee, India](#)
[5-10 October 2025](#)

Early Bird Registration Deadline:
15 April 2025

7. IAMAS – Scientific Assembly 2029: Call for Bids

Bids can still be submitted to host the 2029 IAMAS Scientific Assembly. These meetings are held every four years between the assemblies of IUGG and bring together scientists involved in all aspects of the atmospheric sciences.



The 2029 assembly is still at an early stage of planning, but may be held with one or more of the other IUGG associations. For more details please contact the [IAMAS Secretary General](#).

8. IPCC – Authors for the Seventh Assessment Report: Call for Nominations



The Intergovernmental Panel on Climate Change ([IPCC](#)) calls for nominations of authors for the Seventh Assessment Report. Observer organisations, including IUGG, are invited to submit nominations. If you are interested in being nominated, please contact [Jianping Li](#), IUGG Liaison Officer to IPCC, by **10 April 2025**.

More information can be found [here](#).

9. SCOR – Call for Working Groups

The Secretariat of the Scientific Committee on Oceanic Research ([SCOR](#)) invites proposals for new working groups to commence activities in late 2025. SCOR typically supports 1-3 new working groups annually. Each new group will be provided with USD 45,000 over a 3 to 4-year period to conduct its work. The selection of the new SCOR working groups will take place at the 2025 SCOR Annual Meeting scheduled to take place in Santa Marta, Colombia, from 29 to 31 October 2025.



Deadline for submission: **16 May 2025**

More information about the call can be found [here](#).

10. ISC – Standing Committees: Call for Nominations



**International
Science Council**

The Governing Board of the International Science Council (ISC) invites the ISC Members, which includes IUGG, to nominate candidates for three ISC Standing Committees:

- Committee for Finance, Compliance and Risk
- Committee for Freedom and Responsibility in Science
- Committee for Membership

Further details on the composition, terms of reference and the term of office of the committees are available [here](#).

Please let [us](#) know by **10 April 2025** of any high-profile scientists who are willing to be nominated by IUGG, and for which position. The pool of candidates, together with all their information as requested by the [nomination form](#), will then be discussed by the IUGG Bureau.

11. Awards and Honours

Berit Arheimer (Sweden), President of the International Association of Hydrological Sciences (IAHS; 2021-2025), was awarded an honorary doctorate from the University of Cordoba (Spain) in recognition for her outstanding contributions to hydrological sciences.

Günter Blöschl (Austria), President of the International Association of Hydrological Sciences (IAHS; 2017-2021), was awarded the Stockholm Water Prize 2025 in recognition for his outstanding contributions to hydrological sciences.

Congratulations!

12. Important IUGG Deadlines

30 September 2025: [Submit Applications for IUGG Meeting Support 2026.](#)

13. Obituary

With great sadness IUGG reports the death of

Antal (Toni) Ádám (1929-2025), Member of the IUGG National Committee for Hungary (1995-2023) and Chairman of the IAGA Electromagnetic Induction Working Group (1979-1983). An obituary can be found [here](#).

14. Meeting Calendar

This calendar includes meetings which are planned to be organised under the umbrella of IUGG, and major conferences of IUGG's partner organisations (in *italics*). The calendar is updated regularly and is also available [online](#). If you would like to add a meeting, or report changes, please contact the [IUGG Secretariat](#).

April

- 7-9, IAG, ISPRS, Karlsruhe, Germany, [6th Joint International Symposium on Deformation Monitoring \(JISDM\)](#)
- 7-11, IAG, Almaty, Kazakhstan, [15th International School on 'The Determination and Use of the Geoid'](#)
- 7-11, IAVCEI, Hungary, Workshop of the Commission on Volcanogenic Sediments
- 23-26, IUGG, IAMAS, Beijing, China, [2025 International Symposium on Lightning Physics and Lightning Meteorology](#)
- 27-2 May, EGU, Vienna, Austria, [EGU General Assembly 2025](#)

May

- Tbc, IUGG, IAG, PAIGH, Mendoza, Argentina, [Topical School and Workshop in Latin America: Terrestrial Reference Framework and Atmospheric Monitoring. How to Achieve the Maximum Utilization of the GNSS Network?](#)
- 8-9, IUGG, IAMAS, ESA, ITU, Frascati, Italy, [2nd Meeting of the Global Initiative on Resilience to Natural Hazards through AI Solutions](#)
- 4-9, IUGG, IASPEI, Castasegna, Switzerland, [QuakeHack: A Statistical Seismology Hackathon for Early Career Scientists](#)
- 5-16, IUGG, ICTP, Trieste, Italy, [6th Summer School on Theory, Mechanisms and Hierarchical Modelling of Climate Dynamics: Artificial Intelligence and Climate Modelling](#)
- 12-16, IUGG, IAGA, L'Aquila, Italy, Course on Cross-Scale Coupling of Heliophysics System
- 13-15, IAG, Wuhan, China, [3rd International Symposium of IAG Commission 4: Positioning and Application](#)
- 18-24, IAVCEI, Iceland, [Field Workshop of the Volcano-Ice Interactions Commission](#)
- 19-30, IACS, Karthaus, Italy, [Summerschool on Ice Sheets and Glaciers in the Climate System](#)
- 25-30, JpGU, Chiba, Japan, [JpGU Meeting 2025](#)

June

- 2-6, IACS, IAG, IASPEI, Sidney BC, Canada, [2025 Glacial Isostatic Adjustment Workshop: Advancing Models and Observational Constraints](#)
- 8-16, IAVCEI, Lipari, Vulcano, Stromboli, Italy, [International School of Volcanology 'Working on Active Volcanoes: Learning the Tools of Modern Volcanology'](#)
- 9-13, UN, Nice, France, [2025 UN Ocean Conference](#)
- 24-27, IAG, Covilha, Portugal, [EUREF Symposium 2025 and AC Workshop](#)
- 25-28, IUGG, UCPS, Shanghai, China, Science Symposium of the Union Commission on Planetary Science
- Tbc, IAVCEI, Catania, Italy, Workshop of the Commission on Tephra Hazard Modelling
- 29 June – 4 July, IAVCEI, Geneva, Switzerland, [IAVCEI Scientific Assembly 2025](#)
- [30, IAHS, Vienna, Austria, Summer School - Runoff Predictions in Ungauged Basins \(PUB\)](#)

July

- 7-9, IAVCEI, IFRC, UNDRR, WMO, Geneva, Switzerland, [Early Warning For All Workshop](#)
- 8, IHFC, IASPEI, IAPSO, IAVCEI, Potsdam, Germany, [Global Heat Flow Data Portal Release](#)
- 9-11, IUGG, IAMAS, Abidjan, Ivory Coast, [21st Global Emission Initiative Conference](#)
- 13-18, IAG, Guadalajara, Spain, [1st GGOS IA Summer School](#)
- 15-18, IUGG, Incheon, Rep. of Korea, IUGG Business Meetings 2025
- 19-21, IAHS, Tokyo, Japan, [2nd International Sociohydrology Conference](#)
- 20-25, IACS, IAMAS, IAPSO, Busan, Rep. of Korea, [IACS-IAMAS-IAPSO Joint Scientific Assembly 2025](#)
- 27-1 August, AOGS, Singapore, [AOGS Annual Meeting 2025](#)
- 31-1 August, IAHS, Munich, Germany, [International Workshop on Leveraging Technology and Societal Innovation in Urban Water Management](#)

August

- 16-22, ICA, Vancouver BC, Canada, [32nd International Cartographic Conference](#)
- 25-29, IUGG, IAGA, IASPEI, Lisbon, Portugal, [1st IAGA/IASPEI Early Career Scientists School](#)
- 25-5 September, IUGG, ICTP, Trieste, Italy, [12th Workshop on the Theory and Use of Regional Climate Models](#)
- 31 August – 5 September, IAGA, IASPEI, Lisbon, Portugal, [IAGA-IASPEI Joint Scientific Assembly 2025](#)

September

- 1-5, IAG, Rimini, Italy, [IAG Scientific Assembly 2025](#)
- 8-12, CTBTO, Vienna, Austria, [SnT 2025. CTBT: Science and Technology Conference](#)
- 9-11, IAVCEI, Hveragerði, Iceland, [LASI VII Workshop on 'The Physical Geology of Subvolcanic Systems: Laccoliths, Sills and Dykes'](#)
- 14-18, IACS, Innsbruck, Austria, [International Mountain Conference 2025](#)
- 15-19, GFZ, Potsdam, Germany, [Potsdam Summer School 2025 – Trajectories and Priorities for a Sustainable Future](#)
- 23 – 1 October, IUGG, IAVCEI, Vulcano Island, Italy, [10th Training School on Convective and Volcanic Clouds \(CVC\) Detection, Monitoring and Modelling](#)

October

- Tbc, IUGG, IAMAS, Dakar, Senegal, Workshop on 'Data Science for Weather and Climate Research' and Training School on 'Climate Data Analysis and AI in the Global South'
- 5-10, IAHS, Roorkee, India, [IAHS Scientific Assembly 2025](#)
- 13-16, IAG, Cairo, Egypt, [The Arab Conference on Astronomy and Geophysics \(ACAG 9\)](#)
- 13-24, IUGG, ICTP, Trieste, Italy, [Workshop on the Deformation at the Intersection Between Physics of Earthquakes and Volcanic Processes](#)
- 19-22, GSA, San Antonio TX, USA, [GSA Connects 2025](#)
- 29-31, SCOR, Santa Marta, Colombia, [SCOR Annual Meeting 2025](#)

November

- 3-7, IUGG, GRC, Suva, Fiji, GeTEWS Oceania Joint Workshop

December

- 1-5, IUGG, IAPSO, Puerto Madryn, Argentina, [20th Oceanography Colloquium and 12th National Marine Sciences Conference](#)
- 15-19, AGU, New Orleans LA, USA, *AGU Fall Meeting 2025*

Tbc

- Tbc, IUGG, IAMAS, Paris, France, Titan: 20-year Anniversary of Cassini-Huygens Mission

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Editors: Franz Kuglitsch, Mioara Manda, Alexander Rudloff (Editor-in-Chief), and Kathy Whaler.