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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 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 Meeting Support 2025 – Awarded Meetings

IUGG co-sponsors symposia and workshops appropriate to Union disciplines of study. In 2025, IUGG will support 13 scientific meetings with a total of USD 100,000 as listed below (the IUGG Association that endorsed the meeting is indicated in brackets):

1. ENSO (El Niño-Southern Oscillation) Winter School 2025, Honolulu HI, USA, 15-23 March (IAPSO)
2. Improved simulations of the stratosphere for better predictions of weather, climate and extreme events (a joint QBOi-SNAPSI-QUOCA activity workshop), Cambridge, UK, 24-28 March (IAMAS)
3. 2025 International Symposium on Lightning Physics and Lightning Meteorology (ISLP&M), Beijing, China, 23-26 April (IAMAS)
4. QuakeHack: A Statistical Seismology Hackathon for Early Career Scientists, Castasegna, Switzerland, 4-9 May (IASPEI, IAGA)
5. Course on 'Cross-Scale Coupling of Heliophysics System', L'Aquila, Italy, 12-16 May (IAGA)
6. Resilience to Natural Hazards through AI Solutions, Frascati, Italy, May (IAMAS)

7. Topical School and workshop in Latin America: Terrestrial Reference Framework and Atmospheric Monitoring. How to achieve the maximum utilization of the GNSS Network?, Mendoza, Argentina, May/June (IAG, IAGA)
8. Titan: 20-year anniversary of Cassini-Huygens mission, Paris, France, first semester of 2025 (IAMAS)
9. 21st Global Emission Initiative (GEIA) Conference, Abidjan, Ivory Coast, 9-11 July (IAMAS)
10. 1st IAGA/IASPEI Early Career Scientists School, Lisbon, Portugal, 25-30 August (IASPEI, IAGA)
11. 10th Training school on Convective and Volcanic Clouds (CVC) detection, monitoring and modeling, Nicolosi, Italy, 5-12 October (IAVCEI)
12. Workshop on 'Data Science for Weather and Climate Research' and Training School on 'Climate Data Analysis and AI in the Global South (AI4Climate)', Dakar, Senegal, October/November (IAMAS)
13. 10th Oceanography Colloquium - 12th National Marine Sciences Conference, Puerto Madryn, Argentina, December (IAPSO)

2. IUGG – Exhibition Booth at the AGU Fall Meeting 2024

Learn more about IUGG, the Association Scientific Assemblies 2025, and our General Assembly 2027 and visit us at the IUGG exhibition booth (No. 347) at the [2024 Annual Meeting of the American Geophysical Union](#) (AGU). The meeting will be held in Washington DC, USA, and online from 9 to 13 December 2024.



3. IUGG ASSOCIATIONS – Scientific Assemblies 2025: Important Deadlines and Updates

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



[Geneva, Switzerland](#)
[29 June-4 July 2025](#)

Abstract Submission Deadline:
20 December 2024



[Busan, Rep. of Korea](#)
[20-25 July 2025](#)

Abstract Submission/
Grant Application Deadline:
15 February 2025



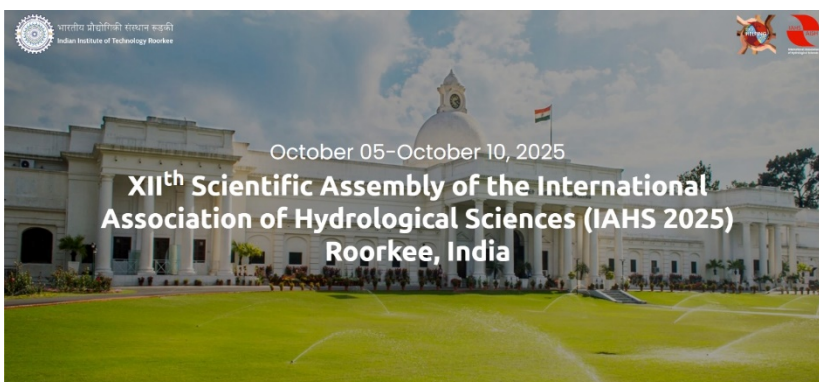
[Lisbon, Portugal](#)
[31 August-5 September 2025](#)

Abstract Submission/
Grant Application Deadline:
12 March 2025



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

Abstract Submission Deadline:
15 March 2025



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

Abstract Submission Deadline:
30 January 2025
Grant Application Deadline:
March 2025 (tbd)

IAHS2025 – new format

Preparation for the 12th IAHS Scientific Assembly ([IAHS2025](#)), 5-10 October 2025, is at full speed. This event will be an experiment in community building by having all presentations in plenum to encourage more joint scientific discussions within the hydrological society. We will allow more time for in-depth conceptual understanding as well as plenty of flash presentations of ongoing work and new results.

Suggest pre-events now!

Instead of parallel meetings, we open for pre-event meetings as side events. Therefore interested leaders of International Commissions, Working Groups and Committee Leaders should reach out to the [IAHS Secretariat](#) or [Secretary General](#) as soon as possible so that facilities can be provided and participants can arrange their stay accordingly. Side event details will be posted on the website as soon as they are confirmed, so stay tuned!

Join us in India next year for what promises to be an engaging and transformative event for the hydrological sciences!

Jean-Marie Kileshye Onema, IAHS Secretary General

4. IAG – Geodesy Day at the United Nations General Assembly Science Summit 2024: Report

The *Science Summit at the UN General Assembly 79* took place from 10 to 27 September 2024 as a hybrid meeting (online and face-to-face in New York City) and coincided with the *UN Summit of the Future*, which placed a special emphasis on the *Africa Science Leadership Coalition*, to promote African leadership in science policy decision-making.



The agenda covered a wide range of topics such as multilateral research cooperation, neuroscience and society, water research and innovation, strengthening the central role of science in society, resilient ecosystems and communities with science, transforming knowledge into practical services, and identifying barriers to international science cooperation with a focus on data sharing and management. Amidst all these exciting topics, the 2024 Science Summit hosted a *Geodesy Day* on 27 September. The one-day session was entitled **Africa Rising: Shaping our Common Future through Geodesy. Implementing UN General Assembly Resolution A/RES/69/266 ‘A Global Geodetic Reference Frame for Sustainable Development’**. The main objective of the event was to integrate the African perspective to address unique challenges and contributions by recognising the central role of the global geodesy supply chain in tackling global challenges such as climate change, urbanisation and sustainable resource management, as well as to align geodetic science with policymaking and to advance research through multidisciplinary cooperation within and between African countries. The event was attended by 209 participants and facilitated discussions between Member States, international organisations, and geospatial experts.

The Geodesy Day was organised by Aletha de Witt from the Department of Science and Innovation (DSI) of South Africa with the support of Nicholas Brown and Anne Jørgensen from the UN Global Geodetic Centre of Excellence (UN-GGCE) and Laura Sánchez from the Global Geodetic Observing

System (GGOS). The opening keynotes highlighted the contribution of geodesy to sustainable development and how geodesy provides the essential reference layer for public infrastructure, as well as the hidden risks that threaten critical infrastructure and sustainable development, with a focus on Africa. Two panel discussions then extended and complemented the views presented in the keynote speeches. The first panel focused on *achievements and ongoing challenges since the adoption of the UN Resolution on the GGRF*. The second panel discussion focused on *African perspectives on the 1st Joint Development Plan for Global Geodesy to sustain the global geodesy supply chain*. In the afternoon, the workshop *Sustaining the Global Geodesy Supply Chain in Africa* provided further insights into the challenges and opportunities of a robust geodetic infrastructure in Africa.



Impressions from the Africa Rising Meeting: On-site panellists: Daniel Roman, Laura Sánchez, Richard Gross, online panellists: Anne Jørgensen, Aslam Parker and Nicholas Brown (moderator). Photo credit: M.V. Mackern

According to the session outcomes, the main opportunities may be summarised as follows:

- *Revitalisation of the African Geodetic Reference Frame (AFREF)*: Significant efforts are underway to develop a continent-wide geodetic reference network that promotes data consistency and facilitates geospatial applications.
- *Regional cooperation*: Initiatives such as the Regional Centre for Mapping of Resources for Development (RCMRD) in Nairobi, the Geospatial Information Section of the UN Economic Commission for Africa (UNECA) in Ethiopia, and the Africa Chapter of the UN Committee of Experts on Global Geospatial Information Management (UN-GGIM Africa) foster geodetic training and capacity building and provide a framework for cooperation at the continental level.
- *Increased participation in global geodetic organisations*: The interaction of African scientists and institutions in global communities such as the International Union of Geodesy and Geophysics (IUGG), the International Association of Geodesy (IAG) and the International Federation of Surveyors (FIG) facilitates participation in global initiatives that highlight the essential role of African geodesy in the global framework and promotes collaborative projects of mutual benefit.
- *GGOS Africa*: The establishment of the GGOS Affiliate *GGOS Africa* will bring together regional scientists and technicians involved in the collection, analysis, management and use of geodetic data to facilitate greater collaboration across regions, communities and new technologies, and promote geodetic capacity building. This regional alliance will be a powerful tool to identify, enable and develop sustainable geodetic observations, products and services according to regional and national priorities, in line with global goals.

Read the complete report [here](#).

Laura Sánchez, President of the IAG Global Geodetic Observing System (GGOS) and
Aletha de Witt, DSI, South Africa

5. IAHS – Awards: Call for Nominations

Nominations are now being accepted for the 2025 [International Hydrology Prize](#).

This prize is awarded annually by IAHS, with UNESCO and WMO, to two people who have made an outstanding contribution to hydrological science. Two medals are awarded under the International Hydrology Prize: the Dooge Medal and the Volker Medal. Both medals are intended to distinguish outstanding achievements by hydrological scientists but with a different focus. The Dooge medal is aimed at fundamental contributions to the science of hydrology, whereas the Volker medal is aimed at outstanding applications of hydrological science for the benefit of society at large. More information, including the list of previous awards and the nomination process, is available [here](#).



Nominations for the Prize are made by [National Committees to IAHS](#), National Committees to the UNESCO-IHP or National Hydrological Advisors to the WMO, and forwarded to the [Secretary General](#) of IAHS for consideration by the Nomination Committee. The Committee consists of the President and a Vice-President of IAHS and representatives of UNESCO and WMO.

Nominations are also being accepted for IAHS [Tison](#) and [Falkenmark](#) Awards. The Tison Award is granted for an outstanding paper published by IAHS in a period of two years prior to the deadline for nominations. The Falkenmark Award is for the best PhD thesis from a nominee who grew up in and recently performed the PhD work in one or more financially disadvantaged countries.

Nominations for all of the awards should be received by the [Secretary General](#), Jean-Marie Kileshye Onema, no later than **31 December 2024**.

Jean-Marie Kileshye Onema, IAHS Secretary General

6. IASPEI – Meeting Reports

Latin American and Caribbean Seismological Commission: 5th General Assembly

The V General Assembly of the Latin American and Caribbean Seismological Commission (LACSC) took place from 24 to 28 June 2024, in San José, Costa Rica, attracting a total of 173 registrations from Latin American, the Caribbean, USA and Europe. On site, a total of 141 participants were registered, among them, 18 graduate and undergraduate students who received full financial and accommodation support to attend (and participate in) the meeting.

In general, the LACSC meeting resulted in 126 oral presentations and 49 poster presentations across 13 thematic sessions. These sessions provided a platform for researchers to share findings on seismic hazards, earthquake engineering, and emerging technologies in seismology.

The assembly featured two workshops: one on Distributed Acoustic Sensing (DAS), and another on moment tensor inversion, which delved into both theoretical and practical applications relevant to the region's seismic challenges. These workshops allowed participants to deepen their technical



Group photo during the LACSC Assembly on 27 June 2024

knowledge and exchange insights on critical methodologies shaping the field. The Assembly featured a keynote talk on DAS, emphasising the latest advancements and applications in an area of growing importance for the region's seismological community. Additionally, two panel discussions provided essential forums for expert dialogue on seismic hazards in Latin America and the Caribbean and the development of building codes tailored to improve resilience against seismic activity.

With support from IUGG, IASPEI, and the United States Agency for International Development (USAID), 30 full grants and seven registration grants were provided to assist early career scientists and students to attend the meeting. This financial support played a vital role in facilitating a diverse and inclusive assembly, underscoring the commitment of international organisations to advancing seismic research and resilience in the region.

In addition to the presentations, workshops, and collaborative discussions, the assembly included the election of a new board for LACSC. The newly elected board members are tasked with steering LACSC's future initiatives, promoting research collaboration, supporting scientific development, and organising the VI LACSC Assembly that will take place in 2026 in Mexico.

Esteban J. Chaves, on behalf of the Local Organising Committee

European Seismological Commission: 39th General Assembly

The 39th General Assembly of the European Seismological Commission (ESC) was held from 22 to 27 September 2024 on the beautiful island of Corfu, Greece, next to the international airport runway, giving the participants an additional experience of plane spotting. It was successfully organised by the National and Kapodistrian University of Athens (NKUA) in collaboration with the Ionian University (IU).

There was a total of 701 registered participants from 51 countries, with 773 presented contributions (429 oral and 324 posters), 5 keynote lectures and 20 invited theme lectures. The 5th Inge-Lehmann Award Lecture was given by Professor Helle Pedersen of ISTERRE, France, on 'Seismic noise in Europe and body wave imaging of the deep Earth'. Professor Atilla Ansal was the Prof. Nicholas Ambraseys Distinguished Award Lecturer on the topic of 'Seismic microzonation: Past, Present and Future'. Furthermore, there was a joint session with the Seismological Society of America (SSA) on 'Large-scale seismological experiments: Plans, results and challenges', organised and convened by George Kaviris, Kris Pankow, Men-Andrin Meier, Valerie Sahakian and Thomas Meier.

The six best student presentations (three orals & three posters) were awarded with the ESC Outstanding Student Presentation Certificate. Of these, Maha Adil from the University of Naples Federico II, Italy, received the IASPEI Early Career Award for the best oral presentation, and Louisa Murray-Berquist from Vrije Universiteit Amsterdam, Netherlands, received the ESC Award for the best poster presentation. Madison Bombardier from University of Victoria, Canada, was awarded

the 2024 ESC-SSA Travel Grant to attend the ESC General Assembly and participate in the Peter Bormann Young Seismologists Training Course (YSTC).



Participants of the Peter Bormann Young Seismologists Training Course (YSTC)

The ESC's flagship YSTC follows a tradition of nearly 30 years in offering a selected number of postgraduate students and early career researchers the opportunity to take an in-depth, hands-on course on a special seismological topic. The YSTC was held during the week prior to the ESC General Assembly (16-20 September 2024) with support of the Ionian University that provided its teaching facilities, canteen and overall day-to-day help, training 25 participants from 11 ESC countries and one participant from Canada on the subject of 'Earthquake-related data, analysis and publicly available codes and tools'. The YSTC was financially supported by IUGG and IASPEI.

The upcoming 40th General Assembly of the ESC will be held in September 2026 in Istanbul, Türkiye.

Adrien Oth, ESC Secretary General

Asian Seismological Commission: 15th General Assembly

The 15th General Assembly of the Asian Seismological Commission (ASC2024-Türkiye) was held from 3 to 7 November 2024, in Belek, Türkiye. More than 300 participants from 29 countries participated. During the ASC2024-Türkiye, 147 oral and 68 poster presentations were given on 21 different topics such as 'Recent Global Catastrophic Events', 'Seismic Hazard Assessment: Ground Motion, Risk, and Methodologies', 'Investigation of Crustal and Deeper Earth Structures by Using Seismology, Geophysics, Geochemistry and Geology', 'Cutting-Edge Observations: Advanced Techniques and Instruments in Seismology', etc. The assembly program and 'Abstract Book' can be downloaded [here](#).

Two courses on 'Site Characterization, Data Processing, Ground Motion Simulation and Waveform Inversion' and 'Induced Seismicity and Microseismicity: Fundamentals, Processing and Analysis of Induced Seismic Events' were given for young scientists during the ASC2024. Ankara University hosted the assembly and did a great job.



Group photo of assembly participants

M. Emin Candansayar, on behalf of the Local Organising Committee

7. UCPS – Symposium 2025 and Executive Committee Elections

Greetings from the Executive Committee of the IUGG Union Commission on Planetary Science (UCPS). UCPS was established in 2015 to promote and coordinate the scientific study of planets in both the Solar System and around other stars. The UCPS is jointly sponsored by IACS, IAG, IAGA, IAHS, IAMAS, IAPSO, IASPEI, and IAVCEI. See [UCPS – IUGG](#) and [IUGG UCPS](#) for additional information.

We are pleased to announce that the next UCPS Science Symposium will be held from 25 to 28 June in Shanghai, China. Additional information on this gathering will be forthcoming soon.

New UCPS Executive Committee membership recommendations will be forwarded to the IUGG following elections that will take place at the symposium. Nominations for all UCPS Executive Committee positions are now open. Please consider nominating a colleague for Chair, Vice Chairs (2), or Treasurer/Secretary. Self-nominations are also appropriate and encouraged. UCPS desires a broad and diverse slate of candidates from all career levels, backgrounds, and experiences. The term of UCPS officers is normally four years and may be extended an additional four years. All nominations should be sent to [Scot Rafkin](#) (UCPS Treasurer and Secretary).

Scot Rafkin, IUGG UCPS Treasurer and Secretary

8. Awards and Honours

European Geosciences Union (EGU)

EGU announced its 2025 Union Medals and Awards, Division Medals, and Division Outstanding Early Career Scientist Awards. These individuals are honoured for their important contributions to the Earth, planetary and space sciences. They will be celebrated during the [EGU General Assembly 2025](#), which will be held from 27 April to 2 May 2025 in Vienna, Austria and online. Among the 2025 medallists and awardees are the following scientists who have been active in IUGG:

2025 Union Medals:

Trevor John McDougall (Australia), IAPSO President (2019-2023), will receive the Alfred Wegener Medal; **Raymond Pierrehumbert** (USA), Vice-Chair of the Union Commission on Mathematical Geophysics (CMG; 2001-2008), will receive the Jean Dominique Cassini Medal; **Paul Tackley** (Switzerland), Executive Committee Member of the Union Commission on the Study of the Earth's Deep Interior (SEDI; 2016-2023), will receive the Arthur Holmes Medal.

2025 Division Medals:

René Forsberg (Denmark), Chair of the IAG International Gravity Field Service (IGFS; 2004-2013), will receive the Vening Meinesz Medal; **Heidrun Kopp** (Germany), Vice-President of the IAG Inter-Commission Committee on Marine Geodesy (ICCM; since 2020), will receive the Stephan Mueller Medal; **Nils Olsen** (Denmark), IAGA National Correspondent (since 2007), will receive the Petrus Peregrinus Medal; **Jan Seibert** (Switzerland), President of the IUGG National Committee for Switzerland and IAHS National Correspondent (2016-2023), will receive the Henry Darcy Medal.

Congratulations!

9. 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](#).

December

- 9-13, AGU, Washington DC, USA, [AGU Fall Meeting 2024](#)

2025

January

- 11-17, IAVCEI, Galeras and Doña Juana volcanoes, Colombia, [7th Volcano Geology International Workshop](#)
- 26-30, ISC, Muscat, Oman, [ISC General Assembly 2025](#)

February

- 24-28, IASPEI, Windhoek, Namibia, [4th General Assembly of the African Seismological Commission](#)

March

- 15-23, IUGG, IAPSO, Honolulu HI, USA, [ENSO \(El Niño-Southern Oscillation\) Winter School 2025](#)
- 24-28, IUGG, IAMAS, Cambridge, UK, Improved simulations of the stratosphere for better predictions of weather, climate and extreme events
- 31-4 April, IUGG SOUTH AFRICA, Cape Town, South Africa, [14th International Conference on Southern Hemisphere Meteorology and Oceanography](#)

April

- 7-9, IAG, ISPRS, Karlsruhe, Germany, [6th Joint International Symposium on Deformation Monitoring \(JISDM\)](#)
- 7-11, IAVCEI, tbc, Hungary, Workshop of the Commission on Volcanogenic Sediments
- 23-25, IAVCEI, Kiel, Germany, [Tephrochronostratigraphy and associated research of the Mediterranean](#)
- 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?](#)
- Tbc, IUGG, IAMAS, ESA, ITU, Frascati, Italy, [Resilience to Natural Hazards through AI Solutions](#)
- 4-9, IUGG, IASPEI, Castasegna, Switzerland, [QuakeHack: A Statistical Seismology Hackathon for Early Career Scientists](#)
- 12-16, IUGG, IAGA, L'Aquila, Italy, Course on Cross-Scale Coupling of Heliophysics System
- 18-24, IAVCEI, tbc, Iceland, Field Workshop of the Volcano-Ice Interactions Commission
- 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](#)
- 9-13, UN, Nice, France, [2025 UN Ocean Conference](#)
- 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 Modeling
- 29 June – 4 July, IAVCEI, Geneva, Switzerland, [IAVCEI Scientific Assembly 2025](#)

July

- 9-11, IUGG, IAMAS, Abidjan, Ivory Coast, [21st Global Emission Initiative Conference](#)
- 15-18, IUGG, Incheon, Rep. of Korea, IUGG Business Meetings 2025
- 20-25, IACS, IAMAS, IAPSO, Busan, Rep. of Korea, [IACS-IAMAS-IAPSO Joint Scientific Assembly 2025](#)
- 27-1 August, Singapore, AOGS, [AOGS Annual Meeting 2025](#)

August

- 18-22, Vancouver BC, Canada, [32nd International Cartographic Conference](#)
- 25-30, IUGG, IAGA, IASPEI, Lisbon, Portugal, [1st IAGA/IASPEI Early Career Scientists School](#)
- 31 August – 6 September, IAGA, IASPEI, Lisbon, Portugal, [IAGA-IASPEI Joint Scientific Assembly 2025](#)

September

- 1-5, IAG, Rimini, Italy, [IAG Scientific Assembly 2025](#)
- 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](#)

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'
- 5-12, IUGG, IAVCEI, Nicolosi, Italy, [10th Training school on Convective and Volcanic Clouds \(CVC\) detection, monitoring and modeling](#)
- 5-10, IAHS, Roorkee, India, [IAHS Scientific Assembly 2025](#)

December

- Tbc, IUGG, IAPSO, Puerto Madryn, Argentina, 10th 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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