



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

## **The IUGG Electronic Journal**

**Volume 24 No. 9 (1 September 2024)**

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 – The People at the Forefront (XXXVIII): Andrea Flossmann, President of the International Association of Meteorology and Atmospheric Sciences (IAMAS), 2023-2027**

During the IUGG General Assembly 2023 in Berlin, Germany, I was elected President of IAMAS.

I am currently a full professor at the University Clermont Auvergne in Clermont-Ferrand, France, working in the Laboratoire de Météorologie Physique (LaMP), a joint research unit with the French National Centre for Scientific Research (CNRS).

I am also co-chairing the WMO/WWRP expert team on Weather Modification and serving in different national and international councils and advisory boards. From 2004 to 2010 I served as a director of the OPGC (an observatory for atmospheric and geological data) and I have been involved in and have coordinated a number of EU, international and national projects. My activities focus on the study of the physico-chemical



*Andrea Flossmann*

processes in clouds, considering in particular the unknowns regarding the process of nucleation of liquid drops and ice crystals, their interaction and the consequences for precipitation formation. This research is based essentially on a modelling approach of clouds using three-dimensional meso-scale models with a bin-resolved representation of warm and cold microphysics, as well as the particulate pollution in the hydrometeors and in clear air. This work was done together with numerous students and colleagues, and has resulted in more than 120 research papers.

The scientific interest in clouds led to my first contact with IAMAS in 1996. Clouds remain a major uncertainty in climate change. They are an essential link in the global water cycle and play an important role in the cleaning of the atmosphere from pollution. But clouds must be understood in their large-scale environment, the atmosphere, and the Earth System, an environment that is a focus of IAMAS.

Since then have I served on and off as a member in the International Commission on Clouds and Precipitation (IAMAS/ICCP), followed by the Vice-presidency from 2004-2012, and the Presidency from 2012-2021. For my work I was elected 'honorary member' (fellow) of IUGG in 2015. After rotating off the ICCP Bureau, my involvement with IAMAS continued as I was still acting on and off as the IAMAS national correspondent for France, in the IAMAS Executive Committee, and in the French national IAMAS chapter.

During this work for IAMAS, with its commissions and its connection to sister associations in IUGG, all constructed around the national science associations, I could not help noticing that this organisation has become weakened by numerous competing science structures popping up. They are generally based on organisations of scientific individuals or thematic programs, and easily gain visibility as they are largely funding-driven. Their success seems to be accompanied, unfortunately, by a decrease of IUGG/IAMAS funding as national science academies/associations use it as an excuse to reduce support. This development in time can threaten the very existence of IAMAS, and IUGG, even though currently our assemblies are still well attended.

A crucial part of the scientific politics I am pursuing in IAMAS will be to communicate and continue to convince that only a structure of disciplinary commissions, and a collaboration across commissions and associations, will preserve and provide a scientific ecosystem that allows a rapid response of the atmospheric science community to all and any current and newly emerging urgent problems for society. This must be done in a changing world where it becomes essential to reduce our carbon footprint, and this necessitates the reduction of travel which might be associated with a growing isolation of people and ideas.

Since my election as the new President of IAMAS I am working with our Bureau to strengthen our association to face these challenges. We are currently organising together with IAPSO and IACS the joint Scientific Assembly ([BACO25](#)) next year in Busan, Republic of Korea, bringing together the three H<sub>2</sub>O-related associations. Another large emphasis of our work is dedicated to the integration and promotion of early career scientists through travel grants, mentoring work and attracting them to our commissions.

The bricks of the work have been developed, we will have to put them together and construct a sustainable future for atmospheric sciences, and its research communication.

## 2. IUGG – Annual Report 2023



The IUGG Annual Report 2023 provides a comprehensive summary of the activities of the Union including its Associations, Union Commissions, and Programs.

We invite you to [download](#) this impressive summary of last year's activities.

IUGG thanks everyone who contributed to the Annual Report.

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## 3. IUGG – Symposia Support 2024: Call for Proposals

The program of IUGG support for scientific meetings (e.g., workshops, advanced schools, symposia) is one of the most important means by which the Union and its Associations pursue the goal of promoting geophysics and geodesy through international collaboration. A portion of the IUGG's budget is devoted to the support of these scientific meetings. The IUGG Executive Committee places great emphasis on maintaining high scientific standards, coverage of a balanced spectrum of topics, and an appropriately broad and international flavour for the scientific programs of the meetings. In that respect, the ISC rules on non-discrimination in the access by qualified scientists from all parts of the world to any IUGG-sponsored meeting apply.

The number of co-sponsored meetings ranges from 10 to 15 (up to USD 10,000 each). Accordingly, not all meeting proposals worthy of support can be awarded IUGG sponsorship.

IUGG funds are provided to support participation of students, early career scientists, female scientists, and especially those from less-affluent countries.

The following guidelines for obtaining IUGG sponsorship should be observed by prospective proposers:

- IUGG-sponsored scientific meetings should have a well-defined and scientifically relevant theme, should be scheduled at a propitious time for significant progress in the field, and should be of interest to early career researchers as well as senior experts.
- While the IUGG embraces all fields in geophysics and geodesy, a proposed program should maintain a balanced scope relevant to IUGG Associations. Each proposal will be judged on its own scientific merits.
- Given the international nature of the Union, meetings are by definition internationally oriented. This requires a well-balanced geographical distribution of attendees as well as meeting venues.
- Financial support from other sources is encouraged, and well regarded.

Normally, the initiative to propose a scientific meeting for IUGG sponsorship originates from a group of scientists in a certain field. Prospective meeting organisers should contact the respective Association Secretary General (ASG) well in advance of their intended proposal submission, by sending a request for IUGG support until **15 October 2024**.

The scientific merit of each scientific meeting's proposal will be evaluated by the respective ASG, taking into consideration comments and advice received from the Association Executive Committee.

The ASGs should communicate their recommendation for selection to the IUGG Secretary General before **31 October 2024**.

The allocations will be suggested by the IUGG Secretary General and reviewed by the Members of the IUGG Bureau. The Bureau will decide on the final selection of the meetings to be supported. The decision on IUGG support will be communicated to the ASGs by the IUGG Secretary General in a letter of award as soon as possible, but not later than **1 December 2024**. The IUGG support should be acknowledged in all documents and information related to a sponsored meeting (e.g., in the scientific program, on the website, brochures, publications of proceedings etc.).

More information is available [here](#).

#### 4. IAG – GGOS at UN Science Summit: Africa Rising, Shaping Our Common Future Through Geodesy



Science Summit at UNGA79  
10 - 27 September 2024

### Africa Rising: Shaping Our Common Future Through Geodesy

Implementing the UN General Assembly Resolution A/RES/69/266  
"Global Geodetic Reference Frame for Sustainable Development"

Friday, 27 September 2024 | 8:30 am – 3:00 pm ET (UTC-4) | on-site and online event  
Location: CURE, 345 Park Avenue South, New York, NY 10010, United States

join us at  
<https://sciencesummitunga.com/science-summit-unga79/>



IAG's Global Geodetic Observing System (GGOS) kindly invites you to join our meeting: [Africa Rising: Shaping Our Common Future Through Geodesy](#).

- When: Friday, 27 September 2024 | 8:30 am – 3:00 pm ET (UTC-4)
- Where: on-site and online event, CURE, 345 Park Avenue South, New York, NY 10010, USA

In addressing global challenges like climate change, urbanisation, and sustainable resource management, accurate geodetic data are crucial. We aim to elevate knowledge of the global geodesy 'supply chain', align geodetic science with policymaking, and advance research through multidisciplinary cooperation.

Central to our agenda is integrating the African perspective to address unique challenges and contributions. This meeting focuses on advancing UN Resolution 69/22, 'A Global Geodetic Reference Frame (GGRF) for Sustainable Development', fostering discussions among Member States, international organisations, and geospatial experts. One of the key topics to be discussed is the 1st Joint Development Plan for Global Geodesy, that aims to accelerate progress towards the UN Sustainable Development Goals.

Martin Sehnal, Director of GGOS Coordinating Office

## 5. IAPSO – The 2025 Prince Albert I Medal: Call for Nominations

On behalf of the Prince Albert I Medal Award Committee, I would like to kindly invite you to send us your nominations for the recipient of the Prince Albert I Medal for the year 2025.



*The Prince Albert I Medal is awarded to a scientist who has made outstanding contributions to the enhancement and advancement of the physical and/or chemical sciences of the oceans.*

Nominations must be submitted by [e-mail](#). The deadline for nominations is **15 November 2024**. Late submissions will not be considered.

More information about the medal, the nomination procedures, and previous medal winners can be found [here](#).

Silvia Blanc, IAPSO Secretary General

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## 6. IAPSO – From Meso to Sub-mesoscale Ocean Circulation Structures: Satellite and In-situ Measurements, Physical Mechanisms and Biological Impact: Report

From 15 to 20 July 2024, the international winter school ‘From Meso to Sub-mesoscale Ocean Circulation Structures: Satellite and In-situ Measurements, Physical Mechanisms and Biological Impact’ was held in the zero+infinity building of the Faculty of Natural and Exact Sciences of the University of Buenos Aires, Argentina. The school was formally approved by the University of Buenos Aires as a postgraduate course of its PhD program. Eight professors from France, Italy, Argentina, Brazil and Chile gave 13 lectures and four hands-on sessions in computer labs. 29 students from five countries attended this winter school. The school was inaugurated by authorities from the institutions that sponsored the event (University of Buenos Aires, IAPSO-IUGG and IFAECI - Institute Franco-Argentine for Studies on Climate and its Impacts).

The school presented theoretical concepts and practical methods to study processes at spatial scales between 100m and 10km in the ocean. The lecturers explained that these processes dominate primary productivity in the ocean and control CO<sub>2</sub> fluxes between the sea and the atmosphere, among others. Therefore their study is fundamental to understanding the climate on Earth and its evolution. The school also served to strengthen ties and lay the foundations for new collaborations. For instance, one of the PhD students who attended the school will undertake an internship with one of the foreign professors in France. Two students applied for a PhD grant offered by an Italian professor, and all professors had time to discuss future collaborations. Students presented a project based on the ideas they learned during the school, which they discussed with the lecturers during hands-on sessions on the last day of the school.

Finally, everybody, lecturers and students, expressed their gratitude for the great organisation, the knowledge learned from each other, and for the opportunity to interact with experts in this research field.

*Participants of the international winter school 'From Meso to Sub-mesoscale Ocean Circulation Structures: Satellite and In-situ Measurements, Physical Mechanisms and Biological Impact'*

Martin Saraceno, Chair of the Organising Committee

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## 7. IAVCEI – Scientific Assembly 2029: Call for Bids



We are happy to announce that the call for the IAVCEI Scientific Assembly (SA) 2029 is now open!

Please consider that the SA is the most important event in the IAVCEI calendar where our community can gather to exchange, share, discuss and celebrate science! SA also offers an ideal venue to network, especially for our early career researchers, and to celebrate outstanding achievements.

The bid package should be a single PDF document containing information that allows us to assess the proposed venue in terms of relevance as well as: accessibility, capacity, program, social events and field trips, outreach opportunities, financial and administrative capabilities, amenities and accommodation, innovative and creative approaches.

Submission should not exceed 50 pages (minimum font size 10) and must be submitted before **23 April 2025** by email to the [IAVCEI Secretariat](#).

Thank you for your support of the IAVCEI community.

Costanza Bonadonna, IAVCEI President  
Ulrich Kueppers, IAVCEI Secretary General

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## 8. IPCC – Authors for Special Reports: Call for Nominations

The Intergovernmental Panel on Climate Change (IPCC) calls for nominations of authors for the '[Special Report on Climate Change and Cities](#)' and the '[2027 Methodology Report on Inventories for Short-lived Climate Forcers](#)'. 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 September 2024**.



## 9. WDS – Early Career Researchers (WDS-ECR) Network: Call for Nominations



The World Data System (WDS) is happy to announce an open call for nominations for the role of Co-chair within our early career researchers (WDS-ECR) Network. This is an amazing opportunity for an early career professional to step into a leadership position where they can contribute to fostering a global community focused on enhancing research data management and empowering the next generation of ECRs. As a Co-chair, they will have the platform to:

- Spearhead initiatives that are crucial for ECRs in the field of data sciences.
- Collaborate with international experts and expand their professional network.
- Influence major decisions that shape research data management on a global scale.

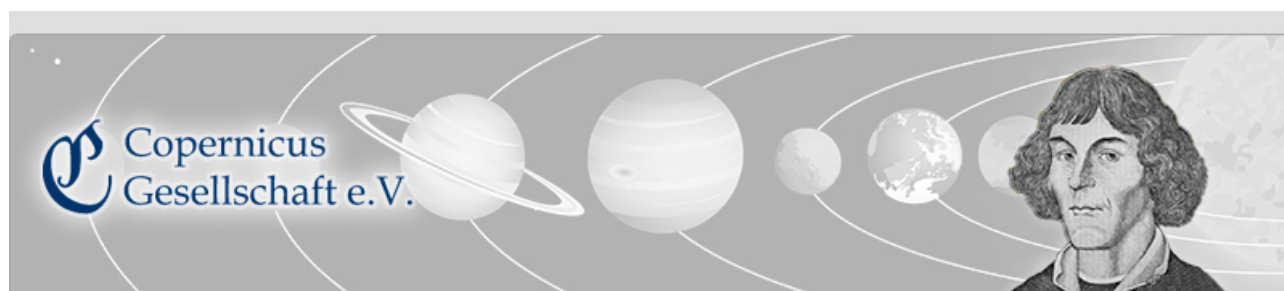
The Co-chairs serve a term of three (3) years. For more information about the mission of the Network and the responsibilities of the Co-chairs, please read the [Network's Charter](#).

For full details on eligibility criteria and our evaluation rubric, please visit our webpage [here](#).

The deadline for nominations is **30 September 2024**.

WDS Secretariat

## 10. Copernicus – Medal 2025: Call for Nominations



The Copernicus Gesellschaft e.V., partner of Copernicus Meetings & Publications, invites you and your colleagues to suggest appropriate candidates from the international community of the geo- and space sciences for the [Copernicus Medal 2025](#). This award has been presented since 2014.

The aim of the Copernicus Medal is threefold:

1. It recognises ingenious, innovative work in the geosciences or in the planetary and space sciences.

2. It recognises exceptional efforts in community services such as promoting international collaboration, leading engagement in the organisation of international conferences, workshops, or summer schools, and engaging in public outreach.
3. It is dedicated to colleagues in the midst of their scientific career (e.g., no later than 20 years after receiving the PhD degree).

Any suggestions will be assessed by an international and interdisciplinary committee and the award will be presented at a special commemorative event in April 2025.

Please [submit](#) your proposal(s) by **15 November 2024**.

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## 11. 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](#).

### September

- 4-6, IAG, Thessaloniki, Greece, [Gravity, Geoid and Height Systems 2024](#)
- 7-13, IAGA, Beppu, Japan, [26th Electromagnetic Induction Workshop](#)
- 8-16, IAVCEI, Catania, Italy, [10th International Conference on Tephra Studies](#)
- 9-13, IAMAS, Kuala Lumpur, Malaysia, [16th International Commission on Atmospheric Chemistry and Global Pollution Symposium and 18th International Global Atmospheric Chemistry Science Conference](#)
- 16-20, IAGA, Kathmandu, Nepal, [2024 ISWI International School](#)
- 16-20, IASPEI, Corfu, Greece, [Young Seismologist Training Course](#)
- 16-21, IASPEI, IAVCEI, El Paso, La Palma, Spain, [Annual Workshop 2024 of the IASPEI/IAVCEI Inter-Association Commission on 'Volcano Seismology & Acoustics'](#)
- 18-20, IAVCEI, Catania, Italy, [6th Conference Alfred Rittmann](#)
- 22-27, IUGG, IASPEI, Corfu, Greece, [39th General Assembly of the European Seismological Commission](#)
- 25-27, IACS, Shanghai, China, [International Symposium on Geomatics, Remote Sensing and Climate Change in the Arctic, Antarctica and High Mountain Asia](#)
- 27, IAG, New York NY, USA, [Africa Rising: Shaping Our Common Future Through Geodesy](#)
- 30-4 October, IAGA, Breckenridge CO, USA, [11th VLF and ELF Remote Sensing of the Ionosphere and Magnetosphere \(VERSIM\) Meeting](#)

### October

- October, IAMAS, Qingdao, China, ICCL Conference
- 1-4, IAGA, Nagoya, Japan, [Joint Space Climate 9 Symposium and ISEE Symposium](#)
- 5-13, IAVCEI, Nicolosi, Italy, [9th School on Convective and Volcanic Clouds \(CVC\) Detecting, Monitoring and Modelling](#)
- 6-9, EMSEV, IAGA, IASPEI, IAVCEI, Chania, Greece, [Electromagnetic Studies of Earthquakes and Volcanoes](#)
- 7-9, IAG, IAGA, IUGG, GFZ, Potsdam, Germany, [GGOS Topical Meeting on the Atmosphere](#)
- 8-10, GFZ, Potsdam, Germany, [GRACE/GRACE-FO Science Team Meeting 2024](#)
- 10-11, IAG, Potsdam, Germany, [GGOS Days 2024](#)



- 13-17, IASPEI, UNESCO-IOC, Bodrum, Turkey, [3rd World Conference on Meteotsunamis](#)
- 14-18, IAMAS, Nanjing, China, [ICDM Workshop 2024](#)
- 16-18, SCOR, Qingdao, China, [2024 SCOR Annual Meeting](#)
- 20-26, IAG, Kunming, China, [23rd International Workshop on Laser Ranging](#)
- 30-1 November, IAHS, Maseru, Lesotho, [25th WaterNet Symposium](#)
- 31-6 November, IAGA, Vassouras, Brazil, [XXth IAGA Workshop on Geomagnetic Observatory Instruments, Data Acquisition and Processing](#)

### **November**

- 3-7, IUGG, IASPEI, Belek, Türkiye, [15th General Assembly of the Asian Seismological Commission](#)
- 4-7, IUGG, IAHS, Florianópolis, Brazil, [9th International Water Resources Management Conference of the International Association of Hydrological Sciences; 14th International Workshop on Statistical Hydrology of the International Association of Hydrological Sciences; and 1st Encontro Brasileiro de Hidrologia Estatística](#)
- 4-8, GRC, Suva, Fiji, [GeTEWS Oceania 2024](#)
- 4-8, IAVCEI, San Pedro de Atacama, Chile, [1st International Monogenetic Conference](#)
- 10-14, IAMAS, Goa, India, [9th SOLAS Open Science Conference](#)
- 11-14, UNESCO-IOC, IUGG, Banda Aceh, Indonesia, [2nd UNESCO IOC Global Tsunami Symposium](#)
- 18-21, IAG, Bogota, Colombia, [SIRGAS 2024](#)

### **December**

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

### **Association Scientific Assemblies 2025**

- 29 June – 4 July, IAVCEI, Geneva, Switzerland, [IAVCEI Scientific Assembly 2025](#)
- 20-25 July, IACS, IAMAS, IAPSO, Busan, Rep. of Korea, [IACS-IAMAS-IAPSO Joint Scientific Assembly 2025](#)
- 31 August – 6 September, IAGA, IASPEI, Lisbon, Portugal, [IAGA-IASPEI Joint Scientific Assembly 2025](#)
- 1-5 September, IAG, Rimini, Italy, [IAG Scientific Assembly 2025](#)
- 5-10 October, IAHS, Roorkee, India, [IAHS Scientific Assembly 2025](#)

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*IUGG Electronic Journal Volume 24 Number 9 (1 September 2024)*

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