



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

## **The IUGG Electronic Journal**

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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. Season's Greetings**



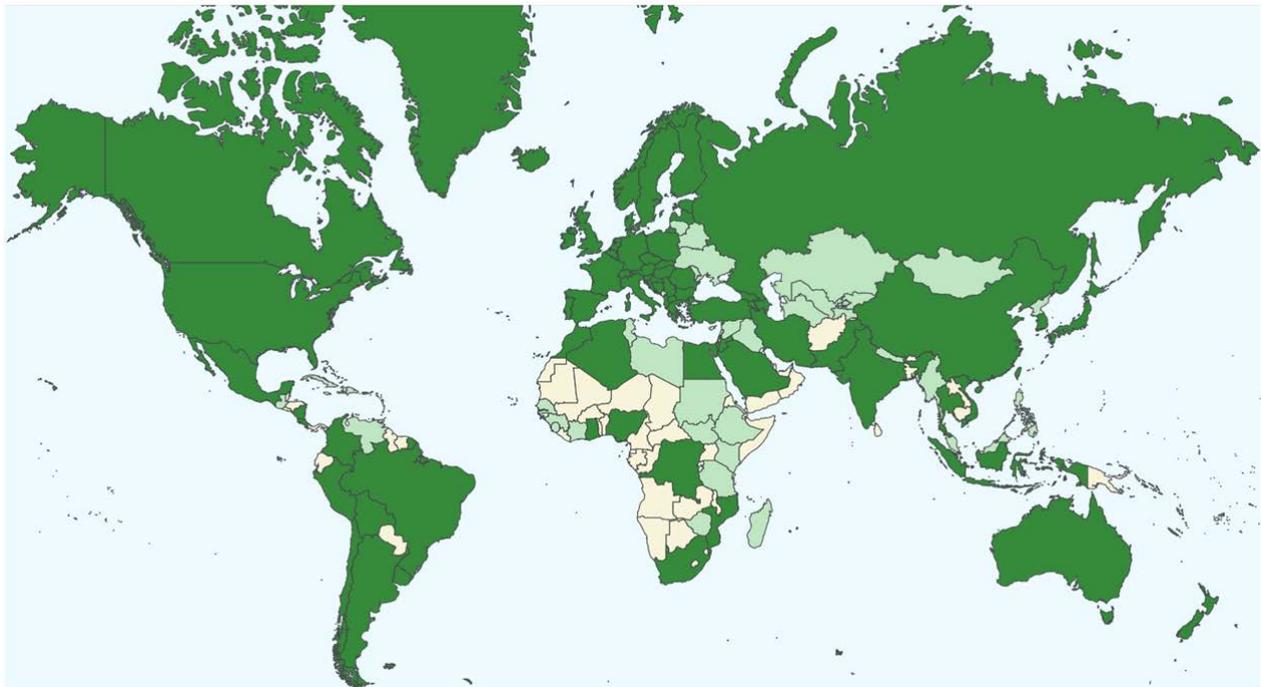
The IUGG Executive Committee and the IUGG Secretariat thank the Adhering Bodies and National Committees, Union Associations and Union Commissions as well as all other groups and individuals who helped make the challenging year 2021 productive, and also to all those who contributed to strengthening international scientific cooperation in Earth and space sciences for the benefit of society.

We wish you happiness, health and great success in 2022.

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## 2. IUGG Membership and Financial Situation 2022

As of 1 January 2022, IUGG has [73 National Members](#) including 58 countries in paying status. The paying members are placed in categories from 1 to 14 depending on their financial contribution to the Union (the membership dues rise with increasing category number). At present, the highest category used is category 11. The members pay dues according to the number of units assigned to their category (in category 1 the number of units is 1, and in category 11 the number is 35). The XXII IUGG General Assembly (Boulder, USA, 1995) decided that the price of 1 unit is determined annually using an inflator index obtained from the Bureau of Labor Statistics, U.S. Department of Labor. In 2022, the price of 1 unit will be US\$2,195. The 58 paying members represent a total of 277 units, which is equivalent to a total income of US\$608,015. The funds received as dues are the basis for IUGG's operations as a scientific union, although Union Associations may also have their own funds earned through book sales, donations, or other means. The funds are spent to support: (i) scientific activities of Union Associations and Commissions; (ii) international scientific programs, projects and services; (iii) general and scientific assemblies, symposia, workshops, and schools; (iv) the IUGG Grants Program; (v) the International Lithosphere Program; (vi) the International Science Council; (vii) travel of students, early career scientists, and scientists from developing countries to attend scientific meetings; and (viii) administration and management.



*Regional distribution of current (dark green) and former (light green) IUGG Member Countries (as of 01.01.2022)*

Niels Andersen, IUGG Treasurer

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## 3. IUGG Yearbook 2022

The [IUGG Yearbook 2022](#) is now available. Thanks to the National Committees, the Associations and Commissions for helping to update the information in the Yearbook! During 2022, updates on addresses and other information in the Yearbook should be sent to the [IUGG Secretariat](#) as soon as they are known. Our aim is to update the Yearbook as needed throughout the year.

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#### 4. IACS Open Plenary Meeting 2021 – Recording



The [recording](#) of the IACS Open Plenary Meeting 2021, which was organised online on 17 November 2021 is now available. The meeting included short presentations from the IACS Working Groups, Standing Groups, and Joint Commissions.

#### 5. International Year of Basic Sciences for Sustainable Development 2022

On 2 December 2021, the United Nations General Assembly proclaimed 2022 as the International Year of Basic Sciences for Sustainable Development ([IYBSSD 2022](#)).

The IYBSSD 2022 will focus on the links between basic sciences and the [Sustainable Development Goals](#). It was proposed by a consortium of international scientific unions and scientific organisations including IUGG, led by the International Union of Pure and Applied Physics ([IUPAP](#)).

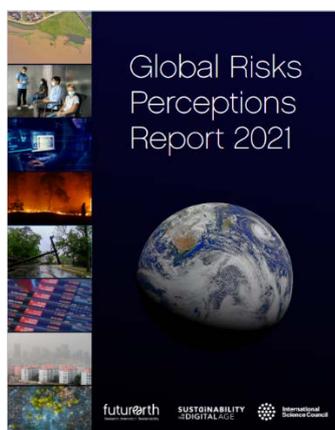
With this [resolution](#), the United Nations General Assembly “invites all [its] Member States, organisations of the United

Nations system and other global, regional and subregional organisations, as well as other relevant stakeholders, including academia, civil society, inter alia, international and national non-governmental organisations, individuals and the private sector, to observe and raise awareness of the importance of basic sciences for sustainable development, in accordance with national priorities”.

IUGG is delighted to be a founding partner of the IYBSSD. Science within the remit of IUGG is a close match to the Sustainable Development Goals (see [Mapping IUGG to Sustainable Development Goals](#)), so we can look forward to making a major contribution, through our own activities and in liaison with other organisations, to addressing the goals and celebrating the achievements of the International Year.



#### 6. ISC News on Disaster Risk Reduction



The International Science Council (ISC) published the [Global Risk Perceptions Report 2021](#), which reports about the global risk perceptions of leaders from business, economics, and government. The publication aims to contribute to the discourse that has been shaped through the respective work of the World Economic Forum and to spark dialogue, identify knowledge gaps, and support the growth of a multi-sectoral scientific community working to better understand and provide solutions to global risks.

ISC also published [A Framework for Global Science in Support of Risk-informed Sustainable Development and Planetary Health](#). This document takes stock of recent developments in disaster risk science and provides a compelling set of directions for research and scientific collaboration for a more holistic and collaborative approach to understanding and managing risks.

## 7. Obituary

With great sadness IUGG reports the death of

**Yohsuke Kamide (1943-2021)**, a renowned Japanese geophysicist, one of the three founders of the Asia Oceania Geosciences Society (AOGS), and Vice-President of International Association of Geomagnetism and Aeronomy (IAGA; 2003-2007). The obituary published by AOGS can be found [here](#).

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## 8. Meeting Announcements

### 8th IAGA/ICMA/SCOSTEP Workshop on Vertical Coupling in the Atmosphere-Ionosphere System



The 8th IAGA/ICMA/SCOSTEP Workshop on Vertical Coupling in the Atmosphere-Ionosphere System ([VCAIS2022](#)) will take place at the Institute of Earth Physics and Space Science in Sopron, Hungary from 11 to 15 July 2022. Due to the ongoing pandemic, the workshop will be conducted as a hybrid meeting where scientists from abroad, who may still have travel difficulties, will have the possibility to participate online.

The workshop aims to discuss the principal mechanisms of vertical coupling processes in the Earth's atmosphere. It will focus on dynamical, electrodynamic, and chemical processes that drive coupling events between the neutral atmosphere, the ionosphere, and the magnetosphere. We invite papers dealing with experiments, modelling, data analyses, and theoretical aspects that describe the effects of coupling processes within the atmosphere-ionosphere-magnetosphere system. The abstract submission deadline is **1 May 2022**.

VCAIS2022, Scientific Organising Committee

*VCAIS2022 was awarded an IUGG Meeting Support 2022 grant.*

### 2nd World Conference on Meteotsunamis

The [2nd World Conference on Meteotsunamis](#) will take place in Menorca, Balearic Islands, Spain, from 18 to 20 May 2022.

Meteotsunamis are atmospherically generated long-ocean waves in the tsunami frequency band. The amplitude reached in many ports and coasts around the world is occasionally large enough to produce significant damage.

The 1st World Conference on Meteotsunamis was held in Split, Croatia in 2019. After the success of that event (see the [special issue](#) of *Natural Hazards* devoted to the Conference) it was decided to continue such meetings.

Therefore, the aim of the 2nd World Conference on Meteotsunamis is to deepen, extend and share knowledge on scientific, technical and societal aspects of meteotsunamis. Submissions concerning all aspects are highly welcome. Menorca has been chosen to host the event because the inlet of Ciutadella, located on the west coast of the island, is a world-wide meteotsunami hot spot.

The conference will be organised by the Institut Menorquí d'Estudis (IME), Consell Insular de Menorca (Conselleria de Medi Ambient) and the Universitat de les Illes Balears (UIB), with the support and funding of the following institutions: IUGG-IAPSO, the Government of Balearic Islands,

the Ciutadella de Menorca City Hall, the Balearic Island Coastal Observing and Forecasting System (SOCIB), the Balearic Islands Port Authority, and the State Meteorological Agency (AEMET).



Port of Ciutadella (Menorca) after the catastrophic rissaga (meteotsunami) of 21-Jun-1984

Agusti Jansa, Chairman of the International Scientific Committee

*2nd World Conference on Meteotsunamis was awarded an IUGG Meeting Support 2022 grant.*

## 9. Meeting Calendar

This calendar includes meetings which are planned to be organised in 2022 under the umbrella of IUGG, and major conferences of IUGG's partner organisations. Meetings are subject to change due to the COVID-19 pandemic. The calendar gets updated regularly and is also available [online](#). If you would like to include a meeting, or report changes, please contact the [IUGG Secretariat](#).

### February

- 1-4, IAHS, Grenoble, France, [3rd International Conference on Snow Hydrology \(SnowHydro2022\)](#)
- 21-25, SCOSTEP, Online, [15th Quadrennial Solar Terrestrial Physics Symposium \(STP-15\)](#)
- 27-4 March, AGU, Honolulu HI, USA, [Ocean Sciences Meeting 2022](#)

### April

- 3-8, EGU, Vienna, Austria, [EGU General Assembly 2022](#)
- 11-13, IAG, Leipzig, Germany, [IGRF Workshop 2022](#)
- 19-23, SSA, Bellevue WA, USA [Annual Meeting 2022 of the Seismological Society of America](#)

### May

- 1, IAG, Zagreb, Croatia, [EUREF 2022 Symposium](#)
- 15-20, AGU, Atlanta GA, USA, [AbSciCon22 - Origins and Exploration: From Stars to Cells](#)
- 18-20, IAPSO, IUGG, Menorca, Spain, [2nd World Conference on Meteotsunamis](#)
- 22-27, JPGU, Chiba, Japan, [Japan Geoscience Union Meeting 2022](#)
- 23-25, IAG, Moscow, Russia, [Spatial Data 2022 – Science-Research-Technology](#)
- 29-3 June, IAHS, Montpellier, France, [IAHS Scientific Assembly](#)

### June

- 5-10, AOGS, Online, [AOGS 19th Annual Meeting](#)
- 6-11, ISPRS, Nice, France, [International Society for Photogrammetry and Remote Sensing Congress 2022](#)

- 7-17, IACS, McCarthy AK, USA, [International Summer School in Glaciology](#)
- 12-17, IAVCEI, Heraklion, Greece, [Cities on Volcanoes \(COV11\)](#)
- 13-17, IAG, Milan, Italy, [10th Hotine-Marussi Symposium](#)
- 19-24, IACS, Juneau AK, USA, [International Symposium on Maritime Glaciers \(IGS2022\)](#)
- 19-24, AGU, San Juan PR, USA, [2022 Frontiers in Hydrology](#)
- 20-22, IUGG, IASPEI, ILP, GFZ, Potsdam, Germany, [Cermak7 – VII International Meeting on Terrestrial Heat Flow and the Thermal Structure of the Lithosphere](#)
- 20-23, CODATA, WDS, Seoul, Rep. of Korea, [International Data Week 2022. Data to Improve our World](#)

### **July**

- 4-8, IAMAS, IUGG, Thessaloniki, Greece, [International Radiation Symposium \(IRS2022\)](#)
- 11-15, SEDI, Taipei, Rep. of China, [17th Symposium of the Study of the Earth's Deep Interior](#)
- 11-15, IAGA, ICMA, IUGG, SCOSTEP, Sopron, Hungary, [8th Workshop on Vertical Coupling in the Atmosphere-Ionosphere System \(VCAIS\)](#)
- 16-24, COSPAR, IUGG, Athens, Greece, [COSPAR 2022. 44th Scientific Assembly](#)
- 18-22, IGU, Paris, France, [International Geographic Union Centennial Congress](#)
- 27-1 August, IAG, Boulder CO, USA, [IGS 2022: Science from Earth to Space](#)
- 31-5 August, Glasgow, UK, [22nd World Congress of Soil Science](#)

### **August**

- 1-10, SCAR, Online, [Open Science Conference 2022 - Antarctica in a Changing World](#)
- 2-11, IAU, Busan, Rep. of Korea, [31st International Astronomical Union General Assembly](#)
- 21-26, IACS, IAHS, UNESCO-IHP, WMO, Reykjavík, Iceland, [Cryosphere 2022 – International Symposium on Ice, Snow and Water in a Warming World](#)
- 22-26, EMSEV, IUGG, IAGA, IASPEI, IAVCEI, Taipei, Rep. of China, [Electromagnetic Studies of Earthquakes and Volcanoes 2022 \(EMSEV2022\)](#)
- 28-3 September, IAGA, Trakošćan, Croatia, [17th Castle Meeting - New Trends on Paleo, Rock and Environmental Magnetism](#)
- 29-3 September, IAMG, Nancy, France, [21st Annual Conference of the International Association for Mathematical Geosciences \(IAMG2022\)](#)

### **September**

- 4-9, IASPEI, IUGG, Bucharest, Romania, [3rd European Conference on Earthquake Engineering and Seismology](#). A joint event of the 17th European Conference on Earthquake Engineering and the 38th General Assembly of the European Seismological Commission (ESC)
- 5-9, IAG, IAGA, GFZ, Potsdam, Germany, [2nd International Symposium of Commission 4: Positioning and Applications](#)
- 12-16, IAG, Austin TX, USA, [Gravity, Geoid, and Height Systems 2022 \(GGHS2022\)](#)
- 12-18, IAGA, Kazan, Russia, [19th IAGA Workshop on Geomagnetic Observatory Instruments, Data Acquisition and Processing](#)
- 25-30, IUGG, IAMAS, SCOR, WCRP, Cape Town, South Africa, [SOLAS Open Science Conference 2022](#)
- 26-30, IUGG, IAGA, L'Aquila, Italy, [International School of Space Science – Course on Radiation belt dynamics and remote sensing of the Earth's plasmasphere](#)
- IAGA, Kuşadası, Turkey, [25th International Electromagnetic Induction Workshops \(EMIW2022\)](#)

### **October**

- 3-5, IASPEI, IUGG, Quito, Ecuador, [4th Regional Assembly of the Latin American and Caribbean Seismological Commission \(LACSC-2022\)](#)
- 17-21, IAG, Thessaloniki, Greece, [REFAG 2022 – IAG International Symposium on Reference Frames for Applications in Geosciences](#)
- 20-21, IASPEI, IUGG, Egypt, 14th General Assembly of the Asian Seismological Commission
- 22-25, IAG, Thessaloniki, Greece, [Unified Analysis Workshop \(UAW\) 2022](#)
- 25-29, IAG, IASPEI, Marrakech, Morocco, [20th Assembly of Wegener](#)
- 31-4 November, IAG, Kunming, China, [22nd International Workshop on Laser Ranging](#)

### **December**

- 12-16, AGU, Chicago IL, USA, AGU Fall Meeting 2022

### **IAVCEI Scientific Assembly 2023**

- 30 January-3 February 2023, IAVCEI, Rotorua, New Zealand, [IAVCEI Scientific Assembly](#)

### **IUGG General Assembly 2023**

- 11-20 July 2023, IUGG, Berlin, Germany, [IUGG General Assembly 2023](#)

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