



The International Association of Meteorology and Atmospheric Sciences 2025 Report to SCOR (www.IAMAS.org)

IAMAS is one of the eight associations dealing with the Earth system and its environs that make up the International Union of Geodesy and Geophysics (IUGG). The scope of IAMAS includes the atmospheres of the Earth and other planets.

IAMAS was established in 1919. At the First IUGG General Assembly (Rome, 1922), the Section de Météorologie became one of the constituent sections of the Union. At the IV IUGG General Assembly (Stockholm, 1930) it became the International Association of Meteorology. It took the name of International Association of Meteorology and Atmospheric Physics at the XI IUGG General Assembly (Toronto, 1957), which later became the International Association of Meteorology and Atmospheric Sciences, (Association Internationale de Météorologie et des Sciences Atmosphériques) in 1993.

IAMAS promotes research in all atmospheric sciences, especially programs requiring international co-operation. IAMAS leads the Alliance for Capacity Transfer (ACT) – a joint activity of IUGG, the World Meteorological Organisation (WMO), and the U.S. University Corporation for Atmospheric Research (UCAR).

IAMAS is made up of eleven international commissions and one committee which together play a major role in implementing IAMAS's activities. Ten commissions exist since a long time and cover *Atmospheric Chemistry and Global Pollution* (ICACGP), *Atmospheric Electricity* (ICAE), *Climate* (ICCL), *Clouds and Precipitation* (ICCP), *Dynamical Meteorology* (ICDM), the *Middle Atmosphere* (ICMA), *stratospheric Ozone* (IOC), *Planetary Atmospheres and their Evolution* (ICPAE), *Polar Meteorology* (ICPM), and *atmospheric Radiation* (IRC). The *Committee on Nucleation and Atmospheric Aerosols* (CNAA) under ICPP brings together scientists covering the areas of Nucleation Theory and Experiment, Tropospheric and stratospheric aerosols, Cloud Drop and Ice Nucleation and Aerosol-Climate Interactions.

This summer a new commission on *Tropical Meteorology* (ICTM) under the founding president Thara Prabhakaran from the Indian Institute of Tropical Meteorology in Pune was approved by the General Assembly during BACO 2025.

Many of these commissions play international leadership roles in their specialist areas [see <https://www.iamas.org>]. The commissions provide an important supplement and extension to the leadership and research role of the *World Meteorological Organization* (WMO), which is the governmental body with a scientific scope that is comparable to that of IAMAS.

The current Bureau of IAMAS consists of:

- President – Andrea Flossmann (France)
- Secretary General – Keith Alverson (Canada/USA)
- Vice President – John Burrows (Germany)
- Vice President – Mary Scholes (South Africa)

The organization also has five Members at Large who promote IAMAS activities:

- Neil Holbrook (Australia)
- Mu Mu (China)
- Marilyn Raphael (USA/Trinidad)
- Tirusha Thambiron (South Africa)
- John Turner (UK)

Currently, John Turner is also the chief editor of the IAMAS newsletter.

The current IAMAS bureau was elected during the IUGG General Assembly in Berlin, Germany, from July 11 – 20, 2023.

IAMAS has increased its efforts to associate with and encourage early career scientists (ECS) to become more involved in interdisciplinary research in atmospheric sciences through sessions, social events and short courses e.g. during the assemblies. They are now organized in a “commission-like” section with a chair. The chair of the ECS is part of the Executive Committee (approved during BACO 25).

From 20-25th July 2025, a joint Assembly of IAMAS-IACS-IAPSO was taking place in Busan, Republic of Korea (BACO-25, initially planned in 2021 and postponed due to COVID-19) <http://www.baco-25.org/new/>.

In total just under 1300 scientists (around half of them early career researchers) attended the meeting, 736 registered as IAMAS (IAPSO 321, IACS 225). Of these, over 600 participants came from the Asian continent with the largest fraction from Korea and China, 60 participants were from Europe and 46 from America. 20 symposia were purely IAMAS, proposed and organised by our commissions. 24 symposia were joint with 2 associations, and 9 were joint between the 3 associations. In 20 joint symposia IAMAS scientists took the lead. The joint symposia covered a large range of subjects centred around the common subject of all three associations: “water” and were very popular.

The IAMAS plenary talk was given by Dr. Tong ZHU, Professor at the College of Environmental Sciences and Engineering of Peking University, with the title: “The Health Impacts of Air Pollution and Climate Change”. Given the importance of the subject, it was extremely well attended and was followed by the award ceremony of the Early Career Scientist Medal to Hannah M. Christensen, Associate Professor of Physical Climate at the University of Oxford for her work on the role of uncertain small-scale processes on weather, seasonal and climate timescales.

During the Assembly a total of 764 talks and 329 posters animated the scientific discussion. However, also effort was made to attract the interest of non-scientists through a linked Earth Film festival, public lectures and numerous media outlets and articles. An effort was made to minimize carbon emission through a paperless program book and reusable cups.

16-22 July 2027 will be held the 29th General Assembly of IUGG in Incheon, Republic of Korea. It is the follow-up of the 2023 IUGG Assembly in Berlin and will again unite all eight IUGG associations.

During the EC meetings in Busan, we also voted the location for the 2029 IAMAS assembly. It will be held (exact date to be determined) in Manchester, UK and we will probably be joined again by IAPSO.

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