



**Union Geodesique et Geophysique Internationale
International Union of Geodesy and Geophysics**



International Association of Meteorology and Atmospheric Sciences (IAMAS/IUGG)

Liaison-Report to SCOR

2024 Annual Meeting in Qingdao, China



International Association of Meteorology and Atmospheric Sciences (IAMAS/IUGG)



One of the eight associations of IUGG, which in turn comes under the International Science Council for :

- **Meteorology and Atmospheric Sciences**
- Cryospheric Sciences
- Geodesy
- Geomagnetism and Aeronomy
- Hydrological Sciences
- Physical Sciences of the Oceans
- Seismology and Physics of the Earth's Interior
- Volcanology and Chemistry of the Earth's Interior



International Association of Meteorology and Atmospheric Sciences (IAMAS/IUGG)



- We are a non-governmental body with National Members in 70 countries (national meteorological societies) existing since 2019
- At the First IUGG General Assembly (Rome, 1922), the Section de Météorologie became one of the constituent sections of the Union.
- IAMAS promotes research in all atmospheric sciences, especially programmes 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).
- No permanent secretariat, and we rely on the voluntary efforts of scientists
- The science is carried out by our 10 +1 commissions



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International Commissions:

- Atmospheric Chemistry and Global Pollution (ICACGP)
- Atmospheric Electricity (ICAE)
- Climate (ICCL)
- Clouds and Precipitation (ICCP)
 - Committee on Nucleation and Atmospheric Aerosols (CNAAs)
- Dynamic Meteorology (ICDM)
- Middle Atmosphere (ICMA)
- Planetary Atmospheres and their Evolution (ICPAE)
- Polar Meteorology (ICPM)
- Ozone (IOC)
- Radiation (IRC)
- Tropical Meteorology (ICTM*) pending approval 2025



International Association of Meteorology and Atmospheric Sciences (IAMAS/IUGG)



People:

- + Past president
- + past SC
- + 5 Members at Large
- + chair of ECS



Andrea Flossmann,
President



Keith Alverson,
Secretary-General



John Burrows,
Vice President



Mary Scholes,
Vice President



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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.

Current chair of ECS:

Jing Li



Inclusion in EC is
pending approval 2025



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BACO-25

Busan IAMAS-IACS-IAPSO

Joint Assembly 2025

20-25 July 2025

Bexco, Busan, Republic of Korea

Abstract submission: 15 October 2024 - 15 February 2025





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In addition to regular sessions within the remits of the IAMAS, IACS, and IAPSO, themes for joint symposia concerning interactions between two or three of the atmosphere, cryosphere and ocean include but are not limited to:

- Arctic and Antarctic sea ice changes, ice shelf collapse, Arctic Amplification, poleward heat transport by ocean and atmosphere, atmosphere-ice-ocean interactions, climate change in the polar regions
- Ice sheet and glacier mass changes and interactions with the atmosphere and ocean, sea-level change
- Lake and river ice changes, planetary boundary layers over snow and ice, wind transport and sublimation of snow, Arctic/Antarctic-midlatitude weather linkages
- Cyclones (Typhoon), Monsoon, coupled atmosphere-ocean modes of variability
- El Niño/Southern Oscillation and inter-ocean Interactions
- Plastic in the ocean and the atmosphere
- Dynamics and variability of the warming hole(s) in the climate system
- Global teleconnections, and climate variability and impacts on the oceans and the cryosphere
- Past and future changes in the atmosphere, oceans, and cryosphere
- Earth System modeling and global biogeochemical cycle
- Data collection including satellite missions and field campaigns



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The next IUGG General Assembly will be held in Incheon (Rep. of Korea) in 2027.

IUGG
INCHEON 2027

IACS IAG IAGA IAHS
IAMAS IAPSO IASPEI IAVCEI

THE 29TH GENERAL ASSEMBLY

