



The International Association of Meteorology and Atmospheric Sciences 2020 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 is made up of ten international commissions and one committee which together play a major role in implementing IAMAS's activities. The ten commissions 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)* brings together scientists covering the areas of Nucleation Theory and Experiment, Tropospheric and stratospheric aerosols, Cloud Drop and Ice Nucleation and Aerosol-Climate Interactions.

Many of these commissions play international leadership roles in their specialist areas [see <http://www.iamas.org/commissions-within-iamas/>]. 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 – Joyce Penner (USA)
- Secretary General – Steven Ackerman (USA)
- Vice President – John Burrows (Germany)
- Vice President – Mary Scholes (South Africa)

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

- Prof. Michiel R. van den Broeke (Netherlands) 2019-2023
- Prof. Mu Mu (China) 2019-2023
- Dr. Lisa Alexander (Australia) 2015-2023
- Dr. Keith Alverson (USA/Japan) 2015-2023
- Dr. Iracema Cavalcanti (Brazil) 2015-2023

a) IAMAS together with IUGG held a successful General Assembly in Montreal, Canada over 8 July– 18 July 2019. We held a special celebration for our 100th anniversary on July 10, with 6 invited presentations by renowned scientists covering different fields within atmospheric science and meteorology including a talk covering the historical development of our sciences (J. Fleming). The

IAMAS registered more than 900 participants contributing to 100 symposia and 32 joint sessions where IAMAS was the lead.

b) Since the Montreal General Assembly the IAMAS Bureau, commissions and Executive have started the planning for the next Assembly, to be held in Busan, South Korea, over 18 – 23 July 2021 in concert with 2 of the other associations under IUGG: IAPSO (International Association for the Physical Sciences of the Oceans) and IACS (International Association of Cryospheric Sciences). A planning meeting scheduled for late June 2020 in South Korea may be held remotely due to the coronavirus pandemic.

c) The successful collaboration between IAMAS and its associated journal *Advances in Atmospheric Sciences* (AAS) has continued. AAS regularly publishes meeting reports on IAMAS activities, such as the Cape Town assembly in 2017 and the IAMAS sponsored Twelfth Workshop on Antarctic Meteorology and Climate. A planned booth presentation at the 2020 European Geophysical Union was cancelled when that in-person meeting was cancelled.

d) The 2019 IAMAS Early Career Scientist Medal was awarded to Prof. Lei Bi of Zhejiang University for his work on light scattering by non-spherical and inhomogeneous particles. Prof. Bi was presented with his medal at the General Assembly in Montreal in July 2019.

e) Each year the IAMAS commissions hold a number of high profile conferences either alone or in conjunction with other organizations. Details of all IAMAS meetings can be found at <http://www.iamas.org/meetings/>. However, many of the major meetings of the Commissions that were planned for 2020 have been rescheduled for 2021 due to the coronavirus pandemic.

The IAMAS sponsored [Quadrennial International Radiation Symposium](#) planned to be held in Thessaloniki, Greece, from 6 to 10 July 2020 has been postponed to 14 to 18 June 2021 to be held at the same place.

The IAMAS sponsored Quadrennial Ozone Commission planned for October 2020 at Yonsei University, South Korea, has been postponed until October 3 to 9, 2021 to be held at the same location.

The IAMAS sponsored International Commission on Clouds and Precipitation conference planned for August 3 to 7 2020 in Pune, India is postponed to 2021.

The International Global Atmospheric Chemistry (in collaboration with the IAMAS sponsored Commission on Atmospheric Chemistry and Global Pollution) meeting planned for September 14 – 18, 2020 in Manchester, U. K. has been postponed to September 12 – 16, 2021 to be held at the same location.

For more information on IAMAS please contact :

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Submitted by Joyce Penner, IUGG/IAMAS representative to SCOR, 24 April 2020.