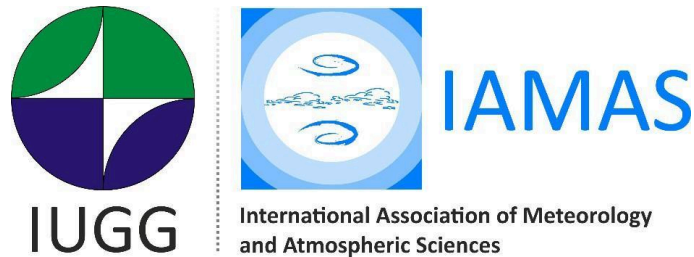


International Association of Meteorology and Atmospheric Sciences (IAMAS) Association Internationale de Météorologie et des Sciences de l'Atmosphère (AIMSA)



www.iamas.org

INTRODUCTION

IAMAS is a research association of the International Union of Geodesy and Geophysics (IUGG) that focuses on all aspects of the gaseous envelope around the Earth and other planets. The main work is conducted, coordinated, and communicated through IAMAS's 10 International Commissions, which, in alphabetical order, are the:

- International Commission on Atmospheric Chemistry and Global Pollution (iCACGP),
- International Commission on Atmospheric Electricity (ICAE),
- International Commission on Climate (ICCL),
- International Commission on Clouds and Precipitation (ICCP) including the Committee on Nucleation and Atmospheric Aerosols (CNAA),
- International Commission on Dynamical Meteorology (ICDM),
- International Commission on the Middle Atmosphere (ICMA),
- International Commission on Planetary Atmospheres and their Evolution (ICPAE),
- International Commission on Polar Meteorology (ICPM),
- International Commission on Tropical Meteorology (ICTM),
- International Ozone Commission (IOC), and
- International Radiation Commission (IRC).

All the international commissions, and IAMAS as a whole, play a leading role in global coordination, communication and discussion of the latest research through organizing and participating in a wide range of scientific meetings that are open to all scientists.

ADMINISTRATION

IAMAS Bureau Meetings

Monthly meetings are held virtually by Zoom. The bureau regularly invites different members-at-large and commission presidents to attend these meetings. An in-person meeting was held at BACO-25: an IAMAS-IACS-IAPSO Joint Assembly in Busan, Korea from 20-25 July 2025. The next in-person meeting of the IAMAS Bureau is planned for 6-7 August 2026 at the University of Manchester, UK.

Funding

IAMAS held an open call for proposals for activities to be undertaken in 2026 by its commissions with a deadline in September 2025 for consideration both by IAMAS directly, and forwarding to IUGG for its consideration. As a result, IUGG funded 7 proposals totalling 20,500 USD and IAMAS funded another 12 proposals totalling 57,500 USD. The next open call for proposals from our commissions will have a deadline in September 2026 in alignment with the planned IUGG proposal deadline.

The list of funded IUGG and IAMAS activities in 2025 is as follows.

IAMAS Early Career Committee:

- Sea Ice School, Saroma, Japan (28 February - 9 March 2026)

ICACGP:

- 2026 iCACGP-IGAC Joint Conference, Heraklion, Crete, Greece (7-11 September 2026)
- SOLAS Summer School 2026, CEPENE, Tamandaré, Brazil (9-27 March 2026)
- LAC Training Course, Santiago, Chile (1st Semester 2026)

ICAE:

- 2026 ICAE General Assembly (ICAE2026) in Barcelona, Spain (13-17 July 2026)

ICCL:

- International Conference on Climate Impacts in a Changing World 2026, University Main Building, Uppsala, Sweden (9-11 March 2026)
- International workshop on assessing current and future regional climate change and its impacts on hazard: Frontiers in High-Resolution Climate Projection and Advanced Methodologies and Applications for National Hazard Assessment, Kyoto, Japan (5-6 March 2026)
- ITU Global Initiative on Resilience to Natural Hazards through AI Solutions, Geneva, Switzerland (7-10 July 2026)

ICCP:

- Pre EGU Workshop, Vienna, Austria (30 April - 1 May 2026)
- Clouds and Precipitation Workshop, Nairobi, Kenya (July 2026)

ICDM:

- Diabatic processes across scales in the extratropics, Vienna, Austria (28 April-1 May 2026)
- 21st Cyclone Workshop, Bad Dürkheim, Germany (4-9 October 2026)

ICMA:

- Trends 2026, Beijing, China (18-22 May 2026)
- Space Climate 10, Finland (9-12 June 2026)
- APARC General Assembly, Pune, India (12-16 October 2026)

ICPAE:

- Europlanet Science Congress, The Hague, Netherlands (6-11 September 2026)

ICTM:

- Urbanization and Extreme Weather in the Tropical African Continent, Nairobi, Kenya (July 2026)

IRC:

- 2026 AMS Madison Summit Assembly, Madison, Wisconsin, USA (3-7 August 2026)

African Met Society:

- First Scientific Conference of the AfMS, Addis Ababa, Ethiopia (20-23 April 2026)

IAMAS EXECUTIVE COMMITTEE 2023-2027

President: Andrea Flossmann FRANCE

Vice-Presidents:

- John Burrows GERMANY
- Mary Scholes SOUTH AFRICA

Past President: Joyce E. Penner USA

Secretary General: Keith Alverson CANADA

Members at large:

- Neil Holbrook AUSTRALIA
- Mu Mu CHINA

- Marilyn Raphael USA
- Tirusha Thambiran SOUTH AFRICA
- John Turner UK

Early Career Representative: Jing Li CHINA

Commission Presidents (Ex Officio Members): See listings below

IAMAS COMMISSIONS

Early Career Scientist (ECS) Committee

Website: <https://www.iamas.org/ecs/>

Chair: Jing Li CHINA

Co-chair: Sarah Perkins-Kirkpatrick AUSTRALIA

Atmospheric Chemistry and Global Pollution (iCACGP)

Website: www.icacgp.org

President: Mary Barth USA

Vice-Presidents:

- Hugh Coe UK
- Christian George FRANCE
- Judith Hoelzemann BRAZIL
- Hiroshi Tanimoto JAPAN

Atmospheric Electricity (ICAE)

Website: <https://www.iamas.org/icae/>

President: Xiushu Qie CHINA

Secretary: Weitao Lyu CHINA

Climate (ICCL)

Website: <https://www.iamas.org/commissions/iccl/>

President: Jianping Li CHINA

Secretary: Qiuzhen Yin BELGIUM

Clouds and Precipitation (ICCP)

Website: <https://www.iamas.org/iccp/>

President: Greg McFarquhar USA

Vice-President: Luis Ladino Moreno MEXICO

Secretary-Treasurer: Martina Krämer GERMANY

ICCP - Committee on Nucleation and Atmospheric Aerosols (CNAA)

Website: <https://www.iamas.org/commissions/cnaa/>

Chair: Paul Winkler AUSTRIA

Secretary: Dominik Stolzenburg AUSTRIA

Dynamic Meteorology (ICDM)

Website: <https://www.iamas.org/icdm/>

President: Thomas Spengler NORWAY

Vice President: Tim Woollings UK

Secretary: Craig Bishop AUSTRALIA

Past President: Richard Grotjahn USA

Middle Atmosphere (ICMA)

Website: <https://www.iamas.org/icma/>

President: Natalia Calvo SPAIN

Vice-President: Seok-Woo Son KOREA, Rep. of

Ozone (IO3C)

Website: www.io3c.org

President: Irina Petropavlovskikh USA

Vice Presidents:

- Nathaniel Livesey USA
- Valérie Thouret FRANCE

Secretary: Corinne Vigouroux BELGIUM

Planetary Atmospheres and their Evolution (ICPAE)

Website: <https://www.iamas.org/icpae/>

President: Ann Carine Vandaele BELGIUM

Secretary: Giuliano Liuzzi ITALY

Polar Meteorology (ICPM)

Website: www.iamas.org/icpm/

President: Matthew Lazzara USA

Secretary: Tracy Moffat-Griffin UK

Tropical Meteorology (ICTM)

Website: <https://www.iamas.org/ictm/>

Lead: Thara Prabhakaran INDIA

Co-leads:

- Sam Stechmann USA
- Nedjeljka Žagar GERMANY

Radiation (IRC)

Website: <https://www.iamas.org/irc/>

President: Manfred Wendisch GERMANY

Vice President: Hajime Okamoto JAPAN

Secretary General: Christine Chiu USA

ACTIVITIES

Events

In 2025, IAMAS proudly co-hosted BACO-25: an IAMAS-IACS-IAPSO Joint Assembly in Busan, Korea from 20-25 July. The meeting was a great success and resulted in the following publication:

Alverson, K., Blanc, S., Essery, R. *et al.* Busan Atmosphere Cryosphere Ocean Conference BACO-25: Our Interconnected Earth. *Adv. Atmos. Sci.* (2026).

<https://doi.org/10.1007/s00376-025-5583-2>

The next IAMAS General Assembly will be held at the IUGG General Assembly 2027 in Incheon, Korea.

Awards

The IAMAS Early Career Medal for 2025 was awarded to Assoc. Professor Hannah Christensen (Oxford University) at BACO-25 in Busan, Korea. The medal was awarded in recognition of her scientific approach, which tackles the hardest problems in meteorology by applying the most fundamental underlying physics.

The next IAMAS Early Career Medal will be presented at the IUGG General Assembly 2027 in Incheon, Korea.

International Commission Reports

Early Career Scientist Committee (<https://www.iamas.org/ecs/>)

In 2025, the major activities of the IAMAS ECS committee include attending the IAMAS Assembly at Busan, BACO-25, participating in IUGG ECSnet, and joining the ECS events at EGU.

We contributed to the “ECSNet: the IUGG Early-Career Scientists Network” by introducing an ECS and her project. Dr. Panxi Dia from Zhejiang University was interviewed on behalf of IAMAS, and she talked about her experience in participating in a new geoengineering research project. The interview contents were posted on the IUGG ECS webpage.

We continue to expand our network by advertising IAMAS and our committee on various occasions, including EGU and the IGAC-iCACGP conference. Our member Nikos Daskalakis also participated in organizing the IGAC-iCACGP event.

The ECS working group in the Chinese National Committee of IAMAS also held a series of activities in China. We organized the ECS session at the Future Earth conference, with more than 50 participants and 16 oral talks. We co-organized the annual workshop on Atmospheric Physics, conference on nonlinear and complex systems and three sessions in the annual conference of Chinese Meteorological Society.

iCACGP (<http://www.icacgp.org/>)

On 20 July 2025, the iCACGP held its annual business meeting in Busan, South Korea the day before the start of the Busan IAMAS-IACS-IAPSO (BACO) 2025 Joint Assembly. In total, ~17 members attended (12 in person, 5 virtually). The first session of the business meeting included updates from the iLEAPS, SOLAS, and IGAC Projects as well as the status of the planning for the 2026 iCACGP-IGAC conference. The Commission also heard updates on Early Career Research activities from both the IGAC-iCACGP Early Career Researchers SSC chairs and the IAMAS Early Career Researcher Group. Updates from different regions of the world were presented asynchronously via a shared document and on the iCACGP web page. During the second session, the Commission finalized the revised [iCACGP objectives](#) that are now provided on the iCACGP web page. In addition to providing more information for the previous iCACGP objectives, the Commission added an objective to increase diversity of perspectives within iCACGP.

During the BACO 2025 Joint Assembly, the iCACGP led sessions on Atmospheric Chemistry in the Anthropocene and on Atmospheric Composition and the Asian Monsoon. The Commission co-led two other sessions with sister commissions and associations. These included a session on Cloud-Precipitation-Aerosol Interactions with ICCP and a session on Biogeochemical Interactions across the Atmosphere-Ice-Ocean Interface with IACS and IAPSO.

The Atmospheric Composition and the Asian Monsoon (ACAM) activity, which is facilitated by the International Global Air Pollution (IGAC) Project (one of iCACGP's projects) held a training school and workshop in June 2025 in Bali, Indonesia. The training school had 40 early career participants (students and postdocs) while over 100 participants attended the workshop. The ACAM training school focused on enhancing scientific and technical capacity in the areas of remote sensing of aerosols, cloud and atmospheric composition as well as chemistry-climate modeling and inverse modeling of greenhouse gas emissions. In addition to lectures presented by five scientists, the training school participants completed data analysis exercises and group projects, using open-access tools and programming languages, involving satellite data and modeling focusing on Asian atmospheric pollution and regional monsoon climate.

The 3-day ACAM workshop represented four cross-cutting themes – (i) Field campaigns, modeling activities or satellite programs in the context of ACAM science, (ii) Aerosols/air quality characterization, aerosol-monsoon-climate interactions and feedbacks, (iii) Trace gas and greenhouse gas emissions – measurements, inventories, satellite observations and (iv) Chemistry-climate interactions and pollution transport to the upper troposphere/lower stratosphere (UTLS). The workshop concluded with a panel discussion reflecting on the past 10 years of ACAM activities and accomplishments as well as new opportunities and challenges in air pollution, chemistry and Asian monsoon climate. Altogether participants represented 17 countries from Asia, Europe, USA and Australia with 50 early career researchers attending the workshop, thanks to the generous support from both longstanding and new sponsors of ACAM.

Another IGAC activity, the International GEIA (Global Emissions Initiative), held their 21st GEIA Conference in July 2025 in Abidjan, Côte d'Ivoire. The conference had 122 participants (including 51 young researchers) from 34 countries. The conference was organized into four scientific sessions: (1) Anthropogenic sources from urban to global scales, (2) Natural Emissions, (3) Integrated top-down and bottom-up assessments and (4) Impacts of emissions of greenhouse gases, air pollutants, and emerging toxics. A Town Hall session was organized to invite the audience to contribute to a lively interactive discussion of how GEIA can best support decision making processes on mitigation of air pollution and greenhouse gases. Finally, a special session was dedicated to discussion of GEIA Working Groups with updates, opportunities and next steps. It is worth highlighting the remarkable presence of around twenty African countries at the GEIA 2025 conference, a first at an international conference. This participation underscored the wealth of science underway in Africa.

The IGAC-iCACGP Early Career Researcher (ECR) committee conducted their second ECR online conference in September 2025. Building on the success of the inaugural 2023 event, the 2025 conference provided a vibrant, accessible, and truly global platform for the next generation of scientists to connect, share their research, and develop new skills. Run continuously over 19 hours and spanning three major regional sessions (Asia/Oceania, Africa/Europe/Middle East, and the Americas), the conference successfully lowered geographical and financial barriers, welcoming over 750 registered attendees and featuring

208 poster presentations. The conference was a whirlwind of activity, hosted on the interactive Gather Town platform. Each of the three regional blocks featured highlight talks from a total of nine outstanding ECR speakers, who shared cutting-edge research on topics ranging from Arctic sea ice prediction to the atmospheric consequences of Amazon biomass burning. Interactive icebreaker sessions and dedicated networking events connected hundreds of ECRs with peers and senior scientists in lively, small-group discussions. A series of “Skills Workshops,” organized in partnership with the WCRP Academy, ATMO-ACCESS, and Microsoft, provided practical training on crucial topics like the use of AI in climate science, virtual training tools, and leveraging Microsoft Copilot for academic research. The heart of the conference was the two joint poster sessions, which saw a peak of over 180 attendees simultaneously exploring the virtual poster hall. After a rigorous two-stage judging process, the ECR conference organizers announced the six winners of the Best Poster Prize. Each winner receives full funding to attend the iCACGP-IGAC 2026 Science Conference in Crete, Greece.

In 2026, the major iCACGP activity is co-organizing, with IGAC, their biannual conference, iCACGP-IGAC 2026 International Conference, to be held in Heraklion, Crete, Greece during 7-11 September 2026. A second activity for iCACGP will be the selection of the 2026 Paul Crutzen Early Career Award to be announced in late summer. The award is presented to the winner at the iCACGP-IGAC conference. The Commission has also facilitated funding support for two activities. The 2026 SOLAS Summer School is occurring in March 2026 in Brazil and a 4-day training course on atmospheric chemistry modeling and analysis will be held in Santiago, Chile.

ICAE (<https://www.iamas.org/icae/>)

ICAE Activities in 2025:

- Organized one ICAE Session for the BACO-25 in Busan 2025.
- Organized the 2nd International Symposium on Lightning Physics and Lightning Meteorology (ISLPM) in Beijing (June 3-6, 2025) with 120 Participants from 10 countries.
- Preparation of the 18th ICAE General Assembly (ICAE2026). Applied and obtained 8000 USD support for the ICAE2026 from IAMAS/IUGG.
- Collection and online publication of two issues of ICAE Newsletters in 2025. All the two issues were distributed to the ICAE mailing list.
- Maintenance of the website for ICAE (<https://www.iamas.org/icae/>).
- The ICAE mailing list has been continually updated.

Plan for ICAE in 2026:

- Organize the 18th ICAE 2026.
- Organize the ICAE EC meeting during ICAE 2026.
- Rejuvenation of the ICAE Committee. Election of New ICAE Officers.
- Publication of two issues of ICAE newsletter.

- Maintenance of the website for ICAE.
- Update the ICAE colleague mailing list as needed.

ICCL (<https://www.iamas.org/commissions/iccl/>)

ICCL activities in 2025:

1. Maintenance of the formal website for ICCL (<https://www.iamas.org/iccl/>) with the help of IAMAS (Ms. Katie Quigley).
2. ICCL (co-)organized 12 symposia at the Busan BACO (IAMAS-IACS-IAPSO) Joint Assembly 2025. The titles of the symposia and the ICCL members involved are listed below:
 1. 1 IAPSO and 2 IAMAS symposia
 - P04 The Meridional Overturning Circulation (MOC) (Co-conveners: Léon Chafik, Jianping Li)
 - M18 Monsoon systems: variability, processes, predictability, change and extremes (Convener: Jianping Li)
 - M20 High resolution modelling of regional and local climate (Convener: Tomas Halenka)
 2. 9 Joint symposia
 - JMP03 High-impact Weather and Climate Extremes (Neil Holbrook, Seok-Woo Son)
 - JMP04 Antarctic Bottom Water formation, variability and trends (Zhaomin Wang)
 - JMP05 Tropical Pacific SST Warming Patterns: Observations, Models and Impacts (Mat Collins, Leon Chafik)
 - JMP06 Advancing air-sea flux process understanding across diverse conditions (Greg Foltz)
 - JMP07 Past climate changes and their relevance for the future (Qiuzhen Yin, Ayako Abe-Ouchi, Emilie Capron)
 - JMP09 El Niño/Southern Oscillation and its Global and Regional Impacts (Jianping Li)
 - JMC13 Tropical-polar interactions under rapid climate change: Processes and influences (Xichen Li)

- JMCP18 Sub-seasonal to Decadal Prediction (S2S-S2D) (Seok-Woo Son)
 - JMCP20 Responses of Antarctic ice shelves to changing atmospheric and oceanic forcing (Zhaomin Wang)
3. 2025 UNESCO Chair-International Forum on Blue Carbon and Sustainable Development (BCSD 2025), 11-12 May, Qingdao, China.

The 2025 UNESCO Chair-International Forum on Blue Carbon and Sustainable Development (BCSD2025), co-organized by Ocean University of China, University of Portsmouth, and UNESCO Chair in Ocean Governance was opened during May 11-12 in Qingdao, China. Jianping Li, the President of ICCL, is one of the co-chairs of this international forum. The forum brought together approximately 120 participants from 11 countries, including China, the United States, the United Kingdom, France, Portugal, the Netherlands, South Korea, Nigeria, Rwanda, Pakistan, and Yemen, comprising experts, scholars, and student representatives. Over the two-day event, attendees focused on the theme of „Blue Carbon and Global-Regional Sustainable Development,“ discussing topics such as blue carbon and climate change, blue governance and ocean health under carbon neutrality, and blue carbon finance. The forum aimed to deepen multilateral exchanges and cooperation, integrate global intellectual resources, and jointly contribute blue solutions to global sustainable development.

4. At EGU 2025 Assembly, 27 April-2 May, Vienna, Austria, organized a monsoon session, Session AS1.24: Monsoon systems in the past and present and under future climate change (Co-convener Jianping Li).
5. At AGU25 Annual Meeting, 15-19 December, New Orleans, USA, organized Session A004: Advances in Decadal Climate Change: Evidence from Air-Sea Interaction, Mechanisms, and Predictability (Primary Convener: Jianping Li)
6. Ayako Abe-Ouchi, ICCL member, gave a plenary talk at BACO-25 on Thursday July 24, 2026.
7. Organization of ICCL applications to the call for IAMAS and IUGG financial support for activities in 2026. Two proposals were selected for the financial support: “International Conference on Climate Impacts in a Changing World 2026” submitted by Gabriele Messori (Sweden), and “International workshop on assessing current and future regional climate change and its impacts on hazard: Frontiers in High-Resolution Climate Projection and Advanced Methodologies and Applications for National Hazard Assessment” submitted by Tosiya Nakaegawa (Japan).

ICCP (<https://www.iamas.org/iccp/>)

A major activity of ICCP in 2025 was the sponsorship of symposia at the BACO25 conference in Busan, South Korea. The ICCP sponsored a session on “Weather modification and small-scale geoengineering: theory, practice and technology” and a session on “Cloud-precipitation-aerosol studies” jointly with ICACGP. ICCP also jointly sponsored a session on “Dynamics and microphysics of moist convection” with ICDM. Between these 3 sessions, there were 42 oral talks and 18 poster presentations that were presented. ICCP held an in-person meeting on the day before the conference when various issues were discussed, including the planning of workshops for 2026 and the continuation of regular virtual meetings throughout the year where various topics are discussed.

ICCP will sponsor two workshops in 2026. The Pre-EGU Ice Cloud Workshop will take place at the University of Vienna on 30 April and 1 May 2026. The focus of the workshop is on the role of ice and mixed-phase clouds in a changing climate, bridging small- and large-scale processes, modeling and observations. The workshop will involve scene-setting talks and discussion-driven sessions, designed for deep scientific exchange allowing active participation of all participants. This workshop should lay the groundwork for a document outlining key open questions and future directions, potentially leading to an opinion paper.

A workshop on Advancing Cloud and Precipitation Research and Applications in Africa will take place at the University of Nairobi, Kenya between 20 and 24 July 2026. The workshop will be jointly sponsored by ICCP and ICTM. Five pillars have been identified for discussion at the workshop: cloud microphysics, aerosol-cloud interactions and convection; observations, measurement techniques and data integration (including satellite data); modeling, prediction, nowcasting and extreme weather; artificial intelligence and machine learning across the weather-climate chain; and climate change, urbanization, and future directions. The workshop will consist of inspirational keynotes, technical plenary contributions, poster and discussion sessions, and practical sessions.

In 2026, the virtual monthly journal club meetings of the ICCP continue. Speakers in 2025-2026 have included Alexei Korolev, Audran Borella, Lei Zhu, Odran Sourdeval, Anna Tippett, Andreas Petzold, Martina Krämer and Luis Antonio Ladino. Planning for symposium and workshops associated with the 2027 29th General Assembly of IUGG are currently taking place. Further, ICCP is currently drafting a statement on the importance of air- and ground-based observations for cloud physics research which we expect to release in the near future.

ICDM (<https://www.iamas.org/icdm/>)

ICDM has a total of 29 members as well as 4 emeritus members from overall 13 countries. A third of the members in ICDM are women.

In 2025, the ICDM organized several symposiums for the joint IAMAS – IACS – IAPSO Assembly, [BACO-2025](#) in Busan, South Korea, 20-25 July 2025. Currently, ICDM is preparing symposia proposals for the IUGG General Assembly 2027 in Incheon, South Korea.

The next workshop organized by ICDM will focus on [diabatic processes across scales in the extratropics](#) in Wolkersdorf near Vienna, 28 April until 1 May 2026.

ICMA (<https://www.iamas.org/icma/>)

In the first half of 2025, ICMA organized and prepared for the Middle Atmosphere Symposium (M10) which was held as part of the IAMAS-IACS-IAPSO Joint Assembly (BACO-25) in Busan over 3 days (July 23rd-25th). The symposium consisted of 37 abstracts (37 oral presentations and 8 posters from 11 different countries). The presentations covered topics such as stratosphere-troposphere coupling, interactions between radiation, chemistry and dynamics in the middle atmosphere, gravity waves and middle atmosphere response to climate change and new climate intervention techniques.

The ICMA Business Meeting (BM) 2025 was held on July 23rd in Busan, during the IAMAS-IACS-IAPSO Joint Assembly (BACO-25) with participation of 13 ICMA members (2 of them attending online). In addition, Prof. John Burrows from University of Bremen attended as IAMAS liaison and Patrick Hupe from BGR, attended as IAMAS national representative from Germany.

In 2025, ICMA sponsored two workshops which received financial support from IUGG and IAMAS: a joint QBOi-SNAPSI-QUOCA activity workshop was held in Cambridge, UK, 24-28 March on “Improved simulations of the stratosphere for better predictions of weather, climate and extreme events”. The workshop aimed to improve understanding of stratospheric processes, variability, uncertainties, and influence on surface climate and predictability. There was a diversity of participating scientists: around a third were women and over half were early career scientists. There were 105 people from 74 institutes across 18 countries.

The Joint APARC/WCRP Workshop and Training School on AI for Climate and Weather Forecast, held from 24 to 28 November 2025 at the African Institute for Mathematical Sciences (AIMS), Mbour, Senegal, was a 5-day capacity-building initiative designed to address the specific needs of Global South countries through a bottom-up, participant-driven approach. Out of more than 1,300 applicants from all around the world, 47 participants, primarily from Africa, were selected for in-person attendance. The initiative co-developed actionable knowledge addressing climate adaptation and resilience challenges, particularly bridging North–South gaps. It also contributed to the long-term goal of building a sustainable network of early-career researchers trained in advanced data science methods.

IO3C (<https://www.io3c.org/>)

In 2025, the **International Ozone Commission (IO3C)** intensified its efforts to bridge communications between its members, the scientific community, and the general public. A key focus of this advocacy was the formal support provided to NASA management in July 2025, urging the continued maintenance of **NASA Ozone Trends science** and the **Ozone Watch** webpage. These efforts helped ensure that critical data products from the NASA Earth Science team remained available throughout the 2025 ozone hole period and continue to provide vital information regarding Arctic ozone variability in the spring of 2026.

Building on its commitment to international cooperation, the IO3C supported the organization of the **Network for the Detection of Atmospheric Composition Change (NDACC, ndacc.org)** Symposium, held from **October 27–30, 2025**, in **Virginia Beach, VA, USA**. This landmark event celebrated 35 years of the NDSC/NDACC network and gathered nearly **200 scientists**, including several IO3C members. Attendees shared recent scientific achievements and discussed critical trends in atmospheric composition observed through the network's global stations.

Following a long-standing tradition, the Commission also published a major press release on **September 16, 2025**, to commemorate the **International Day for the Preservation of the Ozone Layer** and the anniversary of the 1987 Montreal Protocol. To foster global collaboration, members met and began preparations in May to ensure the release was translated into French, German, and Spanish. The final document summarized research progress and outlined future challenges in monitoring the processes that impact the recovery of the stratospheric ozone layer.

In early 2026, IO3C members convened online to review 2025 milestones—including **IAMAS reports** and satellite and modeling workshops—and to plan upcoming activities. During this meeting, officers officially initiated preparations for the **2028 Quadrennial Ozone Symposium (QOS)** by requesting formal proposals to host the event. The Commission continues to contribute to global decision-making and shares its progress through platforms such as the **WCRP APARC** and **NDACC** newsletters, the **WMO GAW Ozone and UV Bulletin**, and social media. In addition, members of IO3C contribute to the next WMO/UNEP Ozone Assessment (2026) and to the Tropospheric Ozone Assessment Report (TOAR II) activities.

ICPAE (<https://www.iamas.org/icpae>)

In 2025, ICPAE submitted a proposal (approved) for a session at the Europlanet (EPSC) 2026 Conference in The Hague (Netherlands) in the TP19 Programme Section. The title of the session is “Planetary Atmospheres and Their Long-Term Evolution Across the Solar System and Beyond”, and is currently open for submission. The session is aimed at discussing planetary evolution in a comparative fashion, and highlight novel contributions from modern observatories and platforms. At the same conference, ICPAE will also organize an open lunch meeting, funded by IAMAS, for members and interested individuals.

ICPAE has also organized a session at the Joint IAMAS-IACS-IAPSO Assembly (BACO 25) conference in Busan, South Korea, dedicated to the “Exploration of the Diversity of Planetary Atmospheres and Surfaces”, which attracted a total of 6 abstracts. The committee has also held a hybrid meeting during the same conference. The meeting has been dedicated to the discussion of specific topics the committee intends to dedicate its focus on, and to the discussion of future initiatives of the committee, such as the organization of a cycle of online seminars, to be started by the end of 2026, focused on climate, space weather and atmospheres, and comparative planetology topics at large.

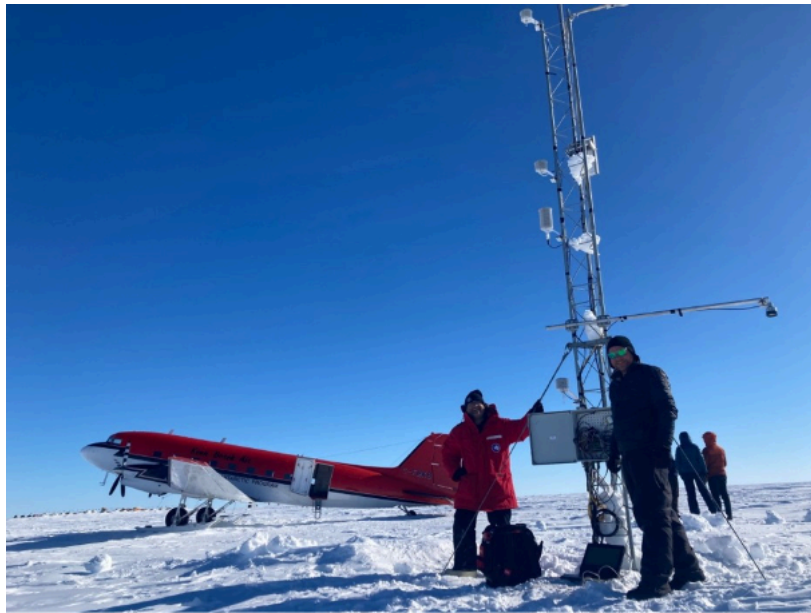
ICPM (<https://www.iamas.org/icpm/>)

ICPM endorsed, and encouraged our members to attend, the 20th Workshop on Antarctic Meteorology and Climate (<https://amrdc.ssec.wisc.edu/meetings/wamc2025>). It was hosted by Korea Polar Research Institute (KOPRI) and was held in Incheon, Republic of Korea (Just before BACO-25) and was fully hybrid. As a part of this event, we supported the travel of two early career researchers, thanks to the generous support of IAMAS/IUGG.



BACO-25 was a successful meeting for ICPM members, with our sessions well attended and our hybrid business meeting being attended by people across many time zones! At our business meeting we discussed what sessions to focus on for IUGG, future field campaigns and what our thoughts were on Antarctica InSync and IPY plans. The ICPM requests that future IAMAS/IUGG meetings allow hybrid functionality for all business meetings (and ideally the whole meeting!). In BACO-25 we had to run it through our own laptops as we could only run it through the meeting rooms if we paid an additional fee!

Our president (Matthew Lazzara) and several ICPM members had a successful Antarctic field season, working on upgrading parts of the important Automatic Weather Station Network.



Matthew Lazzara (ICPM President) and Lee Welhouse (ICPM member) at Siple Dome AWS.

ICTM (<https://www.iamas.org/ictm/>)

ECR members of ICTM:

- Dr. Guy Dagan, Israel
- Dr. Akshaya Nikumbh, India

The objectives of ICTM are the following:

- To enhance research in Tropical Meteorology by organizing thematic Conferences, Workshops, and Symposia
- To enhance the understanding of tropical circulation systems using observations and models
- To stimulate the exchange of scientific ideas and international collaborations in Tropical Meteorology
- To facilitate support for students and scientists to attend relevant conferences organized by the commission.
- To establish working groups and committees, and joint committees with other Commissions of IUGG.
- To organize joint meetings of the IUGG/IAMAS Commissions during major international conferences.

- To report on commission work to IUGG through IAMAS.

Preparatory ICTM* meetings in 2025

A meeting was conducted with a few lectures on 12 March 2025 in hybrid mode to launch a series of panel discussions on the relevant topics for tropical meteorology. Dr. Andrea Flossmann, the president of IAMAS has briefed on the role of IUGG and IAMAS in advancing the tropical meteorology research. There were 2 invited talks and one ICTM member talk in the meeting, as detailed below.

- Invited talk by Prof. Cristina Flesia, Chair ISTIP, International Science and Technology Partnership, Visiting Professor, The University of Milano Bicocca, Department of Environmental and Earth Science, Piazza Della Scienza, Milano, Italy
- ICTM* talk by Prof. Dr. Nedjeljka Žagar (ICTM* Member) Results of the assimilation of Aeolus wind in the tropics in the ECMWF system
- Invited Talk by Prof. Fudeyasu-Hironori-Dt on Typhoon Science and Technology Research Center (TRC), Institute for Multidisciplinary Sciences, Yokohama National University, Japan

The topics identified by the ICTM members are the following:

- Moist convection and parameterization of sub-grid physical processes
- Organization of convection, Tropical storms, disturbances, and extreme weather,
- Madden-Julian oscillation in theory, observations, and prediction models,
- Tropical sub-seasonal variability and its effects on extratropics,
- Monsoons and the teleconnections, ENSO, IOD, PDO, Equatorial waves and instabilities,
- The influence of remote forcing versus regional processes on the monsoon variability,
- The influence of surface-atmosphere interactions on the sub-seasonal to seasonal prediction skill in the monsoon season,
- The influence of combined climate oscillations on extremes,
- Climate modes and their impact on tropical weather and climate,
- Modelling climate sensitivity and climate change in the tropics,
- Anthropogenic effects on tropical weather and climate.

Preparatory Workshops and panel discussions were conducted in hybrid mode.

- ICTM panel discussion on "Tropical Data Assimilation and Forecasting" held on 29th April, Organizers: Prof. Nedjeljka Žagar and Prof. Sam Stechmann.
- Panel discussion Theme: The Influence of Remote Forcing Versus Regional Processes on Monsoon Variability and Predictability, Date: Tuesday, May 27, 2025, Organizers Dr. Thara Prabhakaran, Dr. Sabin T. P., Dr. Smriti Gupta, IITM, Pune
- One-Day Brainstorming Workshop/Panel Discussion On Organization of Convection, Tropical Storms, Disturbances, and Extreme Weather 07 July 2025, In Association With Advanced Centre for Atmospheric Radar Research (ACARR), Cochin University of Science and Technology (CUSAT), Cochin, India, Organizer: Dr. S. Abhilash (CUSAT).
- Workshop on Monsoon Variability, Predictability and Prediction held at Indian Institute of Tropical Meteorology (IITM) Pune in Hybrid mode on 30 June 2025. Organizer: Dr. C. Gnanaseelan (IITM, Pune)
- Members have conducted dedicated sessions as part of the preparatory meeting and briefed importance of the ICTM commission, which was further approved by the IUGG and IAMAS officials. Members have conducted/participated in several sessions of the BACO meeting.
- Tropical Meteorology, Moist convection and Chemistry and Climate are a few sessions organized by the ICTM members.

ICTM activities 2025-2026

The ICTM is supporting/participating in the following activities after its inception at the BACO meeting in 2025:

- Supported the early career students to attend the 11th WMO scientific conference on the weather modification conducted at IITM, Pune during 3-7 Nov 2025
<https://wmo-11scwxmod.tropmet.res.in/>
- Special session on advances in tropical meteorology was organized during the International Symposium on Tropical Meteorology (INTROMET 2025) at IITM in Pune, India on 18-20 November 2025. <https://intromet25.tropmet.res.in/>
The ICTM special session was arranged on 19th November 2025 with six invited talks from experts. Dr. R. Krishnan from IITM talked about Indian Monsoon in a Changing Climate – Opportunities and Challenges Dr. Ajay Mohan, USA on Climate Variability and Ocean Warming as Constraints on Near-Equatorial Cyclogenesis. Dr. Anurag Dipankar, ETH Zurich on Progress and Challenges in Global Storm-Resolving Modeling: The Road Ahead, Dr. Abhilash S, Cochin University on Rising Heat, Deepening Tropical Clouds and Stronger Storms Unfolding Urban Climate Risks Along the Southwest Coast of India, Prof. Argha Banerjee, IISER Pune on Himalayan Glaciers, Glacier-Fed Rivers, and Some Interesting Feedback Loops

and Dr. Subodh Saha, IITM Pune on Tropical Humid Heat Stress Crosses a Critical Threshold in a Warming World.

- ICTM is part of the 1st International Symposium on Earth System Modelling 12-14 Aug 2026, Brazil <https://earthsym.com.br/>
- Directions for Future Research and Applications on Clouds, Precipitation, and Extreme Weather in Africa 20 to 24 July 2026, Nairobi, Africa <https://www.cloudsfor.africa/>
- Planning a webinar series by the members and other experts on the topics mentioned above.
- A subgroup on the tropical cyclone research is formed and they will have periodic meetings on the advances and Societal aspects of extreme events

Nomination of members

The following members have been nominated and accepted to be on ICTM:

- Dr. Akshaya Nikumbh, Indian Institute of Technology, Mumbai, India
- Dr. Ousmane Ndiaye, African Center of Meteorological Application for Development (ACMAD)
- Dr. William Boos, University of Berkeley, USA
- Dr. Helber Barros, Gomes Institute of Atmospheric Sciences, Brazil
- Dr. Puji Lestari, Universiti Teknologi Bandung, Indonesia
- Dr. Kawawa Banda, University of Zambia, Zambia

IRC (<https://www.iamas.org/irc/>)

The primary activities in 2025 were directed toward the organization and realization of the annual business meeting of the IRC that was held as a combined in-person and online meeting on 22 July 2025, during the joint assembly of IAMAS, IACS, and IAPSO (BACO-2025). BACO-2025 took place in Busan (Republic of Korea) from July 20 to 25, 2025. A total of 30 people participated during the IRC business meeting (16 in-person and 14 online). The meeting focused on the following topics: Report of the president, introduction of new IRC members (2024-2028), planning of the 2026 IRC business meeting, working group presentations, and organization of IRS 2028.

The president's report included a summary of the financial transactions and the status of the IRC budget; it was compiled by the IRC Vice-President (Hajime Okamoto). The participants accepted the report.

IRC members provided important contributions to the scientific program of BACO 2025. One session (M13) was organized jointly by Wendisch, Okamoto, and Chiu. During M13, three invited lectures were given by Iwabuchi, Hakuba, and Taylor, and eight additional lectures were presented. In addition to several presentations by established scientists, there was a special highlight, namely a talk given by a young scientist from Argentina (Vito Sol Galligani: Investigation of how uncertainties in the microphysics of NWP models are transferred to the microwave radiation space), whose trip to Busan was financially supported by the IRC. All presentations of M13 were well received. Further presentations by IRC members were given in various sessions. Martin Wild was one of the main organizers of session M12.

Furthermore, the upcoming conferences dealing with the scientific areas of the IRC were discussed during the IRC business meeting. The participants agreed to hold the next IRC business meeting during the AMS Conference on Atmospheric Radiation and Cloud Physics, which will take place from August 3 to 7, 2026, in Madison, Wisconsin (USA).

The IRC website has been updated. Each IRC member was asked to check <https://www.iamas.org/irc/> to see if any information is inaccurate or missing. In particular, we asked the IRC working group leaders to provide the necessary information to update the activities of the IRC working groups at <https://www.iamas.org/irc/workinggroups/>.

The main part of the business meeting was devoted to the presentations from the 12 current IRC working groups and the respective discussion of their results. Prior to the business meeting, all working group leaders were asked to provide three slides, which are included in the slides for this meeting.

The following list comprises the current working groups of the IRC:

- ASA - Atmospheric Spectroscopy Applications
- BSRN - Baseline Surface Radiation Network
- CR - Clouds and Radiation
- GEB - Global Energy Balance
- ICLAS - International Coordination group for Laser Atmospheric Studies
- IPRT - International Polarized Radiative Transfer
- ITWG - International TOVS Working Group
- UV - Solar UltraViolet Radiation
- 3DRT (I3RC) - Three-Dimensional Radiative Transfer
- HRMM - Hyperspectral Radiation: Measurements and Modelling
- TSSI - Total and Spectral Solar Irradiance

- MLRS - Machine Learning Applications in Remote Sensing

Following the presentations by the working groups, statistics were presented on the new IRC members elected for the 2025–2028 term (four years). It was discussed that active scientists who are not regular members can join the IRC working groups. In addition, a question was discussed about the current geographical distribution of IRC members. Currently, we have no IRC members from Africa. We have had African members in the past, but no new members have been proposed. We need to make a greater effort to propose new African candidates as IRC members during the next election.

The procedure for submitting proposals to host the International Radiation Symposium (IRS) 2028 was discussed. A call for proposals was sent to IRC members in fall of 2025. Two letters of intent have been received by the end of 2025. The decision will then be made during the IRC Business Meeting in 2026.