



International Association of Meteorology and Atmospheric Sciences (IAMAS)

www.IAMAS.org

INTRODUCTION

IAMAS is the specialized association of the International Union of Geodesy and Geophysics (IUGG) that deals with all aspects of the gaseous envelope around the Earth and other planets. The main research work is carried out, coordinated and communicated in IAMAS' 10 International Commissions (IC), which are in alphabetical order 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 Ozone Commission (IOC)
- International Radiation Commission (IRC)

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

ADMINISTRATION

Firstly, IAMAS expresses our deepest appreciation for all hard work by Hans Volkert, Athena Coustenis and Jenny Lin for the term 2011-2015. During the 26th General Assembly of IUGG in Prague, Czech Republic, the national members of the IAMAS General Assembly met twice (23 and 26 June 2015). The most important item on the agenda was the election of new officers and members at large. For the term 2015-2019, the IAMAS Executive Committee consists of the following officers:

President:	John Turner	UK
Vice-Presidents:	Joyce Penner	USA
	Laura Gallardo Klenner	CHILE
Immediate Past President:	Athéna Coustenis	FRANCE
Secretary General:	Teruyuki Nakajima	JAPAN
Deputy Secretary General:	Peter Pilewski	USA
Assistant Secretary General (not voting):	Yoshinobu Sasaki	JAPAN

Members at large:	Daren Lu	CHINA
	Colin Price	ISRAEL
	Lisa Alexander	AUSTRALIA
	Keith Alverson	Kenya/USA
	Iracema Cavalcanti	BRAZIL
Commission presidents (ex officio):		
ICACGP:	John P. Burrows	GERMANY
ICAE:	Daohong Wang	JAPAN
ICCL:	Neil Holbrook	AUSTRALIA
ICCP:	Andrea Flossmann	FRANCE
ICDM:	Richard Grotjahn	USA
ICMA:	Elisa Manzini	GERMANY
IOC:	Christos Zerefos	GREECE
ICPAE:	Sanjay Limaye	USA
ICPM:	Tom Lachlan-Cope	UK
IRC:	Werner Schmutz	SWITZERLAND

John TURNER was elected to serve as president, and Joyce PENNER and Laura GALLARDO KLENNER as vice-presidents. Lisa ALEXANDER and Keith ALVERSON and Iracema CAVALCANTI were elected as new members at large. The immediate past-president Athéna COUSTENIS will continue contributing their expertise and experience to assist with IAMAS matters.

ACTIVITIES

IAMAS provided 22 scientific programmes at the 26th General Assembly of IUGG in Prague, Czech Republic. The decided actions by EC meeting are: to designate a Vice President to chair the ECS awards committee, to recommend a WCRP liaison who has strong links to both WCRP and IAMAS/IUGG, to prepare an MOU for cooperation between IAMAS and Advances in Atmospheric Sciences, to read statutes and bring the issue back at Cape TOWN 2017 and to submit symposium proposals for Cape Town 2017 by December 2015 and so on.

The IUGG Gold Medal is bestowed upon Brian Hoskins, Imperial College London and the University of Reading, UK. The 2015 IAMAS Early Career Scientist Medal was awarded to Yuan WANG, a Post Doc research associate at Jet Propulsion Laboratory, California Institute of Technology. The former President of IAMAS Prof. Guoxiong Wu has been elected a Fellow of the American Geophysical Union.

Highlights from the International Commission within IAMAS

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

During the IUGG 2015 Assembly, ICACGP was active in organising two sessions: JM3 Geochemical Processes and Cycles with President as Convenor and several commission members as co-conveners; M06 Observations of Anthropogenic Aerosol-Cloud Interactions. In addition the commission was active in several other sessions including U8 Geo-Monitoring in the 21st Century where Jim Drummond gave a solicited talk.

ICAE (<http://icae.jp/>)

ICAE has published two issues of newsletters. All the two ICAE newsletters are well received by ICAE colleagues and can be accessed through ICAE website <http://www.icae.jp>. ICAE has organized one session for IUGG2015. ICAE website and mailing list have been updated.

ICCL (<http://www.iccl-iamas.net/>)

The ICCL (co-)organized and (co-)sponsored five IAMAS symposia for the IUGG 2015 Assembly. Key contributions in 2015 includes: the ICCL helped organize two workshops on marine heatwaves and El Niño – Southern Oscillation in January and February 2015, respectively. Prof Mat Collins has been nominated to the IAMAS bureau as a liaison to WCRP.

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

The commission co-organized four symposia at the IUGG 2015 Assembly. About 40 participants attended Secondary ice multiplication symposium in Manchester (UK) in November 2015. The goals of this symposium were to identify what is known about secondary ice multiplication; to make recommendations about how to further clarify and understand the physical nature of the secondary production process; to suggest what needs to be done to quantitatively constrain the associated ice particle production rates for use in numerical models and to produce a summary paper in BAMS summarizing the results of the meeting.

ICDM (<http://icdm.atm.ucdavis.edu/ICDM.html>)

The commission co-sponsored and commission members helped plan a workshop on “Dynamics of Atmosphere-Ice-Ocean Interactions in the High-Latitudes” held at Rosendal, Norway. The commission sponsored or co-sponsored three joint symposia and five IAMAS symposia at the IUGG 2015 Assembly. Commission members completed their book project, the second volume in the IUGG Special Publication Series with Cambridge University Press.

ICMA (<http://icma.iaa.es/>)

ICMA held the symposium on Middle Atmosphere Science at the IUGG 2015 Assembly. The Middle Atmosphere Science symposium lasted 4 days (14 sessions) and had over 130 abstract submitted. ICMA has also co-sponsored 4 symposia with IAGA. The ICMA web page has been transferred to iaa.es and is maintained by Vice-President.

IOC (<https://ioc.atmos.illinois.edu/>)

The Commission has voted for Edinburgh (UK) as the location for the 2016 Quadrennial Ozone Symposium. The Symposium will be organized by the NERC Centre for Ecology & Hydrology, in collaboration with IO3C. Several meetings and teleconferences were set up in order to settle the scientific program and the general organization of the Symposium.

ICPAE (<http://icpae.physics.ox.ac.uk/Welcome.html>)

ICPAE has organized oral and poster sessions on terrestrial atmospheres and outer planet atmospheres during the IUGG 2015 Assembly. The theme for the 2015 sessions was comparative planetary atmospheres. ICPAE participated in a proposal submitted to the IUGG to establish a commission on Planetary Science.

ICPM (<http://www.icpm-iamas.aq/>)

ICPM endorsed the 10th Antarctic Meteorological Observations, Modeling, and Forecasting Workshop (AMOMFW) in Cambridge, UK. A summary of the workshop has been accepted for publication in *Advances in Atmospheric Sciences*. During the IUGG 2015 Assembly, ICPM hosted several sessions included Clouds, Precipitation and Aerosols and their Influence on Climate at High Latitudes, including the Role of the Southern Ocean and Sea Ice; Weather and the Global Atmospheric Electric Circuit; and Numerical Models for Climate Studies and Forecasting at High Latitudes.

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

IRC was active in organizing five sessions in the symposia “Radiation in the Climate System” during IUGG 2015 Assembly. The arrangement for the next International Radiation Symposium (IRS 2016) held on 16-22 April 2016 in Auckland, New Zealand was performed.

Reports of IAMAS liaisons to other organizations

WMO ; Hans Volkert paid several visits to Geneva to attend parts of the large WMO meetings and with a focus to the World Weather Research Programme (WWRP) within the WMO-Commission for Atmospheric Sciences.

SCAR ; John Turner chairs SCAR's Advisory group on Antarctic Climate Change and the Environment (ACCE). It produces a paper for each year's Antarctic Treaty meeting on recent advances in Antarctic climate science and the impacts on the biota.

FUTURE ACTIVITIES

All commissions are engaged in the planning of IAPSO-IAMAS-IAGA Assembly from 27th August to 1st September, 2017 in Cape Town, South Africa (<http://www.iapso-iamas-iaga2017.com/>). Bureau will summarize the proposals of symposia from the Commission at the IAMAS Bureau meeting held in April 2016 in Kyoto, Japan. The new official website of IAMAS will be released in February 2016.

Submitted by
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