

INFORMATION E-MAIL FROM THE IAMAS BUREAU

December, 2014

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a) IUGG Electronic Journal, Volume 14 No. 12 (1 Dec2014)

The IUGG E-Journal, Volume 14 No. 12 has been published at

<http://www.iugg.org/publications/ejournals/IUGGej1412.pdf>

The contents include:

1. Preparations for the XXVI IUGG General Assembly
2. Delegate certifications needed for the IUGG Council Meeting
3. Last call for invitations to host the 27th IUGG General Assembly
4. Early career scientists receive IUGG awards (*Ruiqiang DING and Ilona RIIPINEN had been nominated by IAMAS. CONGRATULATIONS!*)
5. IUGG booth at the AGU Fall Meeting
6. Report on the IASPEI Regional Assembly
7. Report on the 33rd Delegates Meeting of the Scientific Committee on Antarctic Research
8. Report on the EMSEV International Workshop
9. Report on the First Congress of China Geodesy and Geophysics
10. News for the International Council for Science
11. Awards and honors
12. CTBTO Fellowship Application
13. Meeting calendar

b) Message from the IAMAS President

Dear IAMAS colleagues and friends,

The couple past years have been very interesting and exciting for our community with our scientific assembly in conjunction with IACS (DACA-13) held on 8-12 July 2013, in Davos, Switzerland, an exceptional event that no less than 989 participants from 52 countries on five continents attended. The assembly covered numerous fields of atmospheric and cryospheric sciences, enriched by snow hydrology, oceanography, natural hazards, economy and risks, and the history of science. These made up for an attractive programme consisting of 21 mostly joint Symposia featuring several sessions each. More than 350 posters were on display for the whole week while dedicated poster sessions facilitated deeper discussions with the presenters in attendance. At this assembly we had the pleasure to bestow our first early career scientist medal, for which the nomination for 2015 are now open until 22 December 2014 (to be sent to Vice-President John Turner).

We are now fast approaching IUGG2015, the exciting event that we have been planning for the two years since Davos. The event promises an excellent scientific programme, wide networking opportunities and also a rich social schedule in the city of Prague, a tourist magnet in the heart of Europe ranking amongst the most impressive historical cities in the world. IAMAS-only and IAMAS-led cross-association symposia for IUGG2015 are now available online with descriptions online at <http://www.iugg2015prague.com/>. The call for abstracts is open until 31 January 2015 and we encourage you all to take this opportunity to participate in this essential event for our association and also to spread the word. Please also note that the deadline for grant applications is 15 January 2015. We are hoping that the number of IAMAS attendees and contributors in this event will be the higher than ever and for this we count on the efforts of the conveners that I want to thank in advance.

In Prague, we will have two IAMAS Executive Committee meetings that all the EC officers and IAMAS National Correspondents are invited to attend. The dates and times will be confirmed later. There will be several important items to discuss there, so please plan on attending or sending your inputs. In particular, the election of a new IAMAS bureau (2015-2019) will take place during this meeting.

Indeed, I will officially step down as the IAMAS president after IUGG2015. I have had the immense pleasure and honor of working with Secretary General Hans Volkert, Vice Presidents John Turner and Joyce Penner, our immediate Past President Guoxiong Wu, Assistant SG Jenny Lin and other IAMAS EC officers and representatives, as well as our colleagues all over the world. It has been indeed a pleasure and a privilege to serve in this community in the



IAMAS Bureau meeting at "DLR-Oberpfaffenhofen" in July 2014 near Munich, Germany. Left, from the left: Joyce Penner (Vice-pres.), John Turner (Vice-pres.), Athena Coustenis (President), Hans Volkert (Sec.-Gen.@DLR), Guoxiong Wu (Past-pres.), Zheng Lin (Ass. Sec.-Gen.) in front of HALO research aircraft. Right: the Bureau at the "DLR-Institut für Physik der Atmosphäre" (IPA) in serious discussion with Markus Rapp (IPA-director; 4th from left) and Thomas Gerz (IPA, far right)

past four years where the voluntary work of everyone leads to interesting ideas and concepts, collaborations, fruitful meetings and more. I am sure this tradition, well established by previous Presidents and officers, will continue in the future.

Call for nominations for IAMAS EC 2015-2019 have been issued for the positions of President, Secretary General, two Vice-Presidents and 3 members-at-large, and I am hoping that the IAMAS Nominating Committee will receive nominations from the national representatives of IUGG Adhering Countries and members of the IAMAS Executive Committee by 15 January 2015 (please send the nominations to the Chair of the Nominating Committee, Prof. Guoxiong Wu, or to any of the other members of the Committee with a copy to the administrative assistant Ms. Jenny Lin).

I invite you all to read the IAMAS information e-news sent out by Ms Jenny Lin which contain all of the updates that you need in order to follow our community's activities.

Taking the opportunity of this letter, I want to wish you all an excellent end of 2014 and beginning of a new revolution of our planet around the Sun! I look forward to seeing you all in Prague for our major IUGG 2015 event and in the future at other venues.

Athena Coustenis, President, IAMAS

Postscriptum: As the out-going Secretary-General of IAMAS I chime in with our president's remarks urging all those engaged in the voluntary network of IAMAS and its 10 commissions to consider further personal activities for our association and raising the interest of younger colleagues. Have a good start into 2015 and see many of you face-to-face in Prague!

Hans Volkert, Sec.-Gen., IAMAS

c) Report on the 15th ICAE conference

The fifteenth ICAE conference in Norman Oklahoma from 15 through 20 June 2014 was very successful with about 200 papers and over 200 participants. During the conference period the ICAE held two business meetings following the ICAE tradition a new office and new commission members were elected. The ICAE president will be Daohong WANG (Gifu University, China), and the secretary will be Tomoo USHIO (Osaka University, Japan ushio@comm.eng.osaka-u.ac.jp). They will start their term of office after IUGG2015. The sixteenth ICAE will be held and organized in Nara, Japan.

ICAE newsletter is regularly issued in May and November. The URL of ICAE is <http://icae.jp/newsletters/> and Vol.25 No.2 will be coming soon.

d) The ICCL Expert Workshop summary published in *Bulletin of the American Meteorological Society*

Following a very successful expert assessment workshop on decadal climate variability organised by ICCL and held in Beijing, China in April 2013, a Meeting Summary entitled "DECADAL CLIMATE VARIABILITY AND CROSS-SCALE INTERACTIONS: ICCL Expert Assessment Workshop" was prepared, and has now been published in the *Bulletin of the American Meteorological Society*

(<http://journals.ametsoc.org/doi/abs/10.1175/BAMS-D-13-00201.1>). The workshop focused on four key themes or questions. These were: (1) Is the Interdecadal Pacific Oscillation a real and dynamic feature of the climate system? (2) Cross-scale interactions between El Niño – Southern Oscillation (ENSO), decadal variability, and anthropogenic climate change. (3) Unambiguous detection and attribution of anthropogenic climate change above natural decadal to multidecadal climate variability – how best to do this? (4) Decadal modes on regional climates – focusing on the Asian monsoon. The meeting was successful in documenting what we know, what we don't know, and key related research questions and opportunities across the four theme areas. The ICCL President, Associate Professor Neil Holbrook, was invited by the EiCs of *Advances in Atmospheric Sciences* to lead a review on decadal climate variability over regional China, together with the ICCL team. The paper is in preparation and expected to be submitted in early 2015.

e) Report on the Joint 2014 13th iCACGP Quadrennial Symposium and the 13th IGAC Science Conference in Natal – Brazil

The International Commission on Atmospheric Chemistry and Global Pollution (iCACGP) and the International Global Atmospheric Chemistry project (IGAC) held their 13th joint edition of their traditional symposia / conferences in Natal, state of Rio Grande do Norte, Brazil. The 13th joint

iCACGP/IGAC-2014 Symposium/Conference, with 422 registered participants from 49 different countries, took place from September 22-26, 2014 at the Natal Convention Center (NCC). The topical theme of the 13th joint iCACGP/IGAC-2014 Symposium/Conference was "Changing Chemistry in a Changing World": The foci were our current knowledge and understanding of the chemical, physical and biogeochemical processes, which determine atmospheric composition and behavior, their modification by anthropogenic activity and related feedbacks. Of central significance to the meeting was our knowledge of the fundamental science, which impacts the accuracy of our assessment of both the recent and current impact of human behavior on the earth system, and of the prediction of future air quality, human health, environmental and climate change. A special effort is made to engage young and developing country scientists and since 2004, the conferences have had a Young Scientists Program as an integral part. These events have been hosted by prominent research institutions in North America, Europe, Africa, Asia, and in the Pacific area and now, for the first time, in Latin America.



Opening Ceremony, John Burrows speaking as ICACGP president

f) Free access to the Special Section commemorating the 30th anniversary of *Advances in Atmospheric Sciences*

To celebrate the 30th anniversary of *Advances in Atmospheric Sciences* (sponsored by the Chinese National Committee for IAMAS and IAP/CAS, published by Springer and Science Press), we invite you to freely read and download a special collection of invited papers to reflect the current and emerging hot topics in the field of Atmospheric Sciences **until Jan 30th, 2015** (<http://link.springer.com/journal/376/32/1/page/1>):

▪ Special section to commemorate the 30th anniversary of Advances in Atmospheric Sciences

Daren Lü, Jiang Zhu, Ming Xue

▪ Potential vorticity and the PV perspective

Brian Hoskins

▪ From MONEX to the global monsoon: A review of monsoon system research

Yihui Ding, Yanju Liu, Yafang Song, Jin Zhang

▪ On the radiative properties of ice clouds: Light scattering, remote sensing, and radiation parameterization

Ping Yang, Kuo-Nan Liou, Lei Bi, Chao Liu, Bingqi Yi, Bryan A. Baum

▪ Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact

Yun Qian, Teppei J. Yasunari, Sarah J. Doherty, Mark G. Flanner, William K.

M.Lau, Jing Ming, Hailong Wang, Mo Wang, Stephen G. Warren, Rudong Zhang

▪ Arctic sea ice and Eurasian climate: A review

Yongqi Gao, Jianqi Sun, Fei Li, Shengping He, Stein Sandven, Qing Yan, Zhongshi

Zhang, Katja Lohmann, Noel Keenlyside, Tore Furevik, Lingling Suo

▪ Climatic effects of air pollutants over china: A review

Hong Liao, Wenyuan Chang, Yang Yang

▪ Climate change in the subtropical jetstream during 1950–2009

B. Abish, P. V. Joseph, Ola. M. Johannessen

g) Polar Ponderings: Notes from the ICPM....

The International Commission on Polar Meteorology (ICPM) is excited to announce a new mailing list to keep in touch with all of its members. This will enable an easy means of keeping the community up to date on plans for ICPM sponsored meetings, and sessions at IAMAS and IUGG. Anyone wishing to join the ICPM email list should fill out the form on the following web page:

<http://amrc.ssec.wisc.edu/subscribe.php?list=9>

The ICPM is calling for submissions to design a new logo. Proposal logos can be submitted to either the Thomas Lachlan-Cope (tlc@bas.ac.uk) or Matthew Lazzara (mattl@ssec.wisc.edu) at any time between now and the IUGG meeting. During the ICPM business meeting, a logo will be selected for the commission.

The ICPM is happy to endorse the 10th Antarctic Meteorological Observing, Modeling, and Forecasting Workshop (AMOMFW) that will be held on June 17 through 19, 2015 at the British Antarctic Survey in Cambridge, United Kingdom. A web site regarding the meeting will be made available in the coming months at: *<http://amrc.ssec.wisc.edu/meetings.html>*

This meeting covers a variety of topics associated with the Antarctic Meteorology and Atmospheric Sciences including the range of topics from observing, to forecasting to modeling to research.



Attendees listen attentively to presentations at the 8th AMOMFW held during June 9-12, 2013 at the Pyle Center, Univ. of Wisconsin-Madison, Madison, WI, USA.

(by Matthew Lazzara, Secretary ICPM and
Thomas Lachlan-Cope, President ICPM)