



World Meteorological Organization
Working together in weather, climate and water

Collaboration between WMO/GAW and EMEP



General Information



The Global Atmosphere Watch (GAW) Programme www.wmo.int/gaw

GAW Station Information System (GAWSIS)

<http://gaw.empa.ch/gawsis>



13th Quadrennial iCACGP Symposium
13th IGAC Science Conference
on Atmospheric Chemistry

Scientific Topics

1. Atmosphere-surface (ocean/vegetation/ice) interactions in a changing climate
2. Atmospheric chemistry and the coupling between biogenic and anthropogenic emissions
3. Interactions between aerosols, clouds and precipitation
4. Atmospheric chemistry and urbanization: from local to the global scales
5. Atmospheric chemistry fundamentals
6. Atmospheric chemistry in a changing climate

Confirmed Keynote Speakers

Paulo Artaxo, University of São Paulo, Brazil
A.R. Ravishankara, Colorado State University, USA
Jos Lelieveld, Max Planck Inst. f. Chemistry, Germany

Confirmed Invited Speakers

Lucy Carpenter, University of York, UK
Thomas Karl, University of Innsbruck, Austria
Scot Martin, Harvard University, USA
Annmarie Carlton, Rutgers University, USA
Ilan Koren, Weizmann Institute, Israel
Akua Asa-Awuku, University of California Riverside, USA
Tong Zhu, Peking University, China
Michael Gauss, Meteorological Institute, Norway
Jason Surratt, University of N. Carolina, USA
Carl Percival, University of Manchester, UK
Jason West, University of N. Carolina, USA
Paul Young, Lancaster University, UK

Early Bird registration until May 1st, 2014

Sponsors



Support



Organization



www.igac-icacgp2014.org

The Global Atmosphere Watch Programme will celebrate its **25 year anniversary** at the occasion of IGAC/iCACGP Symposium in **Natal, Brazil** on **22-26 September 2014**



Strategic issues



- The WMO Commission for Atmospheric Sciences held its Session in Antalya, Turkey on 18-26 November 2013
- CAS Management Group met in Geneva on 23-25 April 2014
- Environmental Pollution and Atmospheric Chemistry Scientific Steering Committee (EPAC SSC) met in Geneva on 10-12 June 2014.



Network developments



- Since September 2013 two stations from United Kingdom and two stations from Spain joined the GAW Programme as GAW Regional stations.
- The European GAW Regional station Puy de Dome (France) was upgraded to GAW Global station status.
- Important contribution from ACTRIS research infrastructure



Air pollution and weather and climate



GAW

- **5th International Workshop on Air Quality Forecasting (IWAQFR), Santiago, Chile, 8-10 October 2013.**
- **World Weather Open Science Conference (WWOSC-2014), including the 6th IWAQFR meeting, Montreal, Canada, 6-21 August 2014 (<http://wwosc2014.org/>).**



Technical meetings



- 9th Meeting of the Ozone Research Managers of the Parties to the Vienna Convention for the Protection of the Ozone Layer, Geneva, Switzerland, 4-16 May 2014
- Review meeting for the WMO/UNEP Scientific Assessment of Ozone Depletion, Les Diablerets, Switzerland, 23-27 June 2014
- The Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP), Malmoe, Sweden, 1-4 September 2014



Important publications



- Scientific Advisory Group for Precipitation Chemistry published “A global assessment of precipitation chemistry and deposition of sulfur, nitrogen, sea salt, base cations, organic acids, acidity and pH, and phosphorus” in Atmospheric Environment journal in August 2014.
- GAW report No. 213 “17th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases and Related Tracers Measurement Techniques (GGMT-2013), Beijing, China, 10-13 June 2013”
- GAW Report No. 212 “Standard Operating Procedures (SOPs) for Spectral Instruments Measuring Spectral Solar Ultraviolet Irradiance”
- Joint report with the International Commission on Illumination “Rationalizing Nomenclature for UV Doses and Effects on Humans (CIE209:2014/GAW Report No. 211)
- 10th WMO Greenhouse Gas Bulletin, September 2014



Quality Assurance



The Central Facilities, including Central Calibration Laboratories, World and Regional Calibration Centers and Data Centers are supported by National Partners and play an important role in QA/AC system. Many of them are supported by European countries.

NEW:

- World Calibration Center for NO_x, Julich, Germany



Training



- The GAW Training and Education Centre, GAWTEC, hosted by Germany gives two two-week courses annually for station personnel (26 courses, 280 people)

www.gawtec.de

- 22nd session of ERCA (European Course on Atmospheres), Grenoble, France, 8 January - to 7 February 2014
- ACCENT-Plus Summer School “Drivers, Feedbacks and Impacts in Air Quality and Climate Change”, Urbino, Italy, 22-29 June 2014
- EuMetChem COST/WMO training school "Integrated Modelling of Meteorological and Chemical Transport Processes/Impact of Chemical Weather on Numerical Weather Prediction and Climate Modelling“, Aveiro, Portugal, 6-11 July 2014.