

World Meteorological Organization

Working together in weather, climate and water

Collaboration between WMO/GAW and EMEP

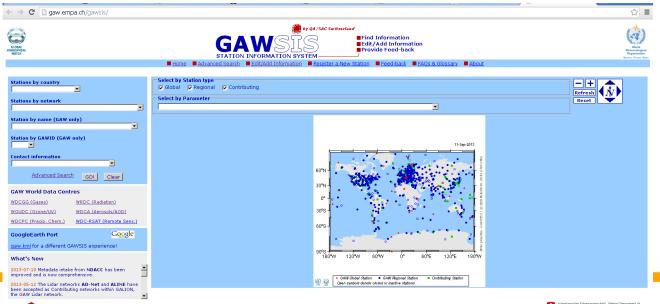


General Information



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

GAW Station Information System (GAWSIS) http://gaw.empa.ch/gawsis





Strategic issues



- •WMO held the Extraordinary Congress on 29-31 October 2012
- The GAW-2013 Symposium was held on 18-20 March 2013 in Geneva
- Meeting of the Joint Scientific Committee of the Open Programme Area Group on Environmental Pollution and Atmospheric Chemistry (JSC OPAG-EPAC), 20 March 2013
- •GAW-2013 Symposium was held back-to-back with HTAP annual meeting



Network developments



- Since September 2012 10 European stations joined the GAW Programme as GAW Regional stations.
- Important contribution from ACTRIS research infrastructure
- A number of GAW/EMEP stations were involved in a full year intensive measurement period (June 2012- June 2013)

Importance of monitoring: 'In-situ coordination in support of Copernicus operations: Achievements and way forward', Copenhagen, Denmark, 10-11 April 2013.



Air pollution and climate



 4th International Workshop on Air Quality Forecasting (IWAQFR), hosted by WMO on 12-14 December 2012

 This 12th International Conference on Atmospheric Sciences and Application to Air Quality (ASAAQ), Seoul, Korea on 3-5 June 2013



Technical meetings



- •"ACSO" ("Absorption Cross Sections of Ozone") workshop, WMO, June 2013
- GESAMP Workshop on the Atmospheric Deposition of Nitrogen and its Impact on Marine Biogeochemistry was held in Norwich, UK, 11-14 February 2013
- •The 17th WMO/IAEA Meeting on Carbon Dioxide, Other Greenhouse Gases and Relater Measurement Techniques (GGMT-2013) was held in Beijing, China on 10-13 June 2013



Important publications



- •WMO/IGAC report on Impacts of Megacities on Air Pollution and Climate (GAW Report No 205)
- "The Atlas of Health and Climate" was published jointly by the World Health Organization (WHO) and WMO in October 2012.
- •Research papers on aerosol decadal trends based on insitu optical measurements at GAW and IMPROVE stations and based on in-situ aerosol particle number concentrations at GAW and ACTRIS stations as well as long awaited paper with recommendations for the interpretation of "black carbon" measurements (in ACP)



Important publications



- WMO Greenhouse Gas Bulletin
- •GAW Report 209 "Guidelines for Continuous Measurements of Ozone in the Troposphere"
- •GAW Report 207 "Recommendations for a Composite Surface-Based Aerosol Network"
- •GAW Report 204 "Standard Operating Procedures (SOPs) for Air Sampling in Stainless Steel Canisters for Non-Methane Hydrocarbons Analysis"



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 UV Radiation in Davos,
 Switzerland
- Central Calibration Laboratory for monoterpenes in NIST, USA





• The GAW Training and Education Centre, GAWTEC, hosted by Germany gives two two-week courses annually for station personnel (24 courseces, 270 people)

www.gawtec.de

- •MACC Summer School "Modeling and forecasting of atmospheric composition at different scales", Anglet, France on 9-16 June 2013
- Second Training Course on WMO SDS-WAS products for the African and Middle-East countries, will take place on 7-11 December 2013