

**Session Nowcasting and its applications of the EGU General Assembly 2013
(Vienna, Austria, 7-12 April 2013)**

Dear colleagues,

We would like to draw your attention to the following Session of the EGU General Assembly 2013, which will be held in Vienna, Austria, 7-12 April 2013.

AS1.3: Nowcasting and its applications

Link: <http://meetingorganizer.copernicus.org/EGU2013/session/12396>

This session will be devoted to all aspects of Nowcasting and its application. A detailed description is given below.

The deadline for the receipt of Abstracts is 09 Jan 2013.

Limited financial support is available to assist participants in the General Assembly. In case you would like to apply for financial support, please contact Dr Wang Yong (ZAMG) <wang@zamg.ac.at> no later than 30 Nov 2012.

Further information about the EGU General Assembly 2013 can be found at:

<http://www.egu2013.eu>

Please forward this announcement to colleagues you think may be interested.

With regards,

Marc Berenguer, Jarmo Koistinen, Joe Paul, Rita Roberts, Yuan Wang, Yong Wang
(Conveners)

Session AS1.3: Nowcasting and its application

Over recent years, nowcasting has become more important as a scientific tool and operational focus for accurate depiction of current weather and prediction of high impact weather in time and space in the 0-6 hour timeframe. Very short term nowcasts are used in warning the public of weather hazards, and it plays an increasing role in crisis management and risk prevention.

This session will focus on nowcasting and its application, and will accept papers on a wide range of topics, such as,

1. Nowcasting techniques and operational nowcasting systems: extrapolation/blending methods, deterministic and probabilistic solutions, conceptual models and heuristic ideas; introduction of existing operational nowcasting systems.

2. Very short range NWP for nowcasting: assimilation of very dense (time and space) observation data, data assimilation techniques, spin-up handling, RUC and rapid refresh, cloud resolving models, cloud physics and analysis, predictability of convection, NWP post-processing.

3. Observations for nowcasting: pre-processing and data quality control, integration of observations for weather assessment and analysis, use of the observation in nowcasting, e.g. weather radar, satellite, profilers, surface observation network, and other innovative technologies.

4. Verification and societal-economic impact: verification methods, case studies on significant weather, studies and methodologies for investigating the societal and economic impact.

5. Nowcasting application: downstream application interfaces, application-oriented nowcasting products, nowcasting applications in aviation, hydrology, civil protection and risk management, road management, air quality, public health, energy industry, transportation, public events etc.

6. Results from international nowcasting projects (EU funded, WMO/WWRP, and others), such as: INCA-CE, HAREN, BALTRAD, FROST-14, SNOW-V10, B08FDP, WENS, SSCS and Nowcast-EUMETNET.