



WWOSC 2014
MONTREAL, CANADA

World Weather Open Science Conference

The first ever World Weather Open Science Conference (WWOSC 2014 – The weather: What's the outlook?) will be held in the Palais de Congrès in Montréal, Canada, from 16 to 21 August 2014.

Conference Theme

The overarching theme is 'Seamless Prediction of the Earth System: from minutes to months'. The Conference has two programs, joined through combined plenary and special sessions:

- The Science Program will cover basic weather research that extends our knowledge of processes and systems as well as the applied research needed to put prediction systems together and assess the impacts of weather and climate events.
- The User, Application & Social Science Program will consider the challenges and opportunities associated with communicating and utilizing weather information, science, and services for social and economic benefit.

This important gathering will examine the frontiers of knowledge, define new scientific goals and challenges, and explore improved ways of applying our understanding for the betterment of society.

Not just "Another Conference"

WWOSC 2014 promises to be a landmark event that assembles, for the first time, the international weather science, technology, forecasting, service, and weather-sensitive stakeholder communities. An important emphasis will be on building the next generation of scientists and practitioners—accordingly, a generous WMO funded travel support program for young participants, with priority to developing country attendees, has also been established.

Plenary speakers to include:

Philippe Bougeault on state-of-the-art mesoscale numerical weather prediction and regional applications with some background on Polar Prediction and High Impact Weather projects and other World Weather Research Programme Research Demonstration Projects

Rowan Douglas on the complementary roles of insurance and weather information in managing risk

Eve Gruntfest on integrating knowledge across multiple disciplines to solve problems at the intersection of weather and society

Haidong Kan on the impacts of air quality, weather, and climate on human health

Al Kellie on the past, present and future of High Performance Computing and its applications in weather prediction

Emma E. Porio on science-based knowledge and coping with impacts of weather-related disasters in Asian megacities

Mel Shapiro on the future scientific challenges of Earth-system prediction aligned with the 2010 Bulletin of the American Meteorological Society compendium of vision papers

Julia Slingo on the seamless prediction problem, including bridging global numerical weather prediction and climate prediction through sub-seasonal to seasonal prediction

Jean-Noël Thépault on the actual status and future challenges of data assimilation and observing systems (global and regional)

Alan Thorpe on global numerical weather prediction with an historical perspective and future directions

Alberto Troccoli on weather and climate-related applications for the energy sector

Summer in Montreal

Spring may be synonymous with Paris, however, Montréal is the place to be during the boreal summer—experience a beautiful, clean, accessible and safe cosmopolitan city with incredible outdoor cafés, parks and recreation amenities, entertainment venues, and cultural events. Montréal is also the home of world-renowned expertise in the atmospheric sciences at the Canadian Meteorological Centre, the Quebec Storm Prediction Centre, McGill University and l'Université du Québec à Montréal. The Palais des Congrès has an excellent reputation in hosting international scientific meetings.

Get involved and join us at WWOSC 2014

- **Submit an abstract** and contribute to a paper, panel or poster session (act fast as deadline is February 24th)
- **Register for the conference** early and take advantage of reduced rates (regular rates begin May 22nd)
- **Reserve an exhibit booth** or sponsor a session to share your products, ideas, and interests with the hundreds of delegates expected to attend.
- **Book your accommodations** with one of the 7+ preferred hotels and make plans to enjoy all that is Montréal (preferred rates end July 7th)
- **Obtain more information** by contacting the organizers or joining the "Expression of interest" distribution list at wwosc2014.org

Benefits of Participating

The time is right for a major Open Science Conference to examine the rapidly changing scientific and socio-economic drivers of weather science, applications, and their benefit to society. By attending and participating in some of the 50-plus interactive paper, panel, and poster sessions, conference participants will have access to:

- **The latest weather science** covering fundamental processes at all scales of observation and prediction—from nowcasting to seasonal—and methods to verify, apply and communicate this knowledge using the latest technology.
- **Networking opportunities** with a diverse delegation of scientific experts, young scientists, practitioners, and decision-makers representing a broad range of weather-sensitive sectors and over 50 developing and developed nations.
- **Provocative, inspiring and knowledgeable** plenary and keynote speakers in sessions designed to engage participants in dialogue about the future of weather science and its role in society.
- **Special sessions** on timely topics such as prediction in polar regions and recent extreme weather events and their impact on society.
- **Exciting and interactive exhibits** where one can discover new business and professional applications, opportunities, and contacts.

Some of our confirmed keynote speakers:

Dale Barker (Met Office, United Kingdom)
Stéphane Bélair (Environment Canada)
Anton Beljaars (ECMWF)
Dave Bromwich (Ohio State University, USA)
Barbara Brown (NCAR, USA)
Eric Brun (Météo-France)
Gilbert Brunet (Met Office, United Kingdom)
Martin Charron (Environment Canada)
Aida Diongue (SMS, Senegal)
Kerry Emanuel (MIT, USA)
Chris Ferro (University of Exeter, United Kingdom)
Vincent Fortin (Environment Canada)
Patrick Harr (Naval Postgraduate School, USA)
Cathy Hohenegger (MPI, Germany)
Marika Holland (NCAR, USA)
Vincent Huijnen (KNMI, Netherlands)
Sarah Jones (DWD, Germany)
Eugenia Kalnay (University of Maryland, USA)
Andrew Lorenc (Met Office, United Kingdom)
Valery Masson (Météo-France)
Marion Mittermaier (Met Office, United Kingdom)
Tim Palmer (University of Oxford, United Kingdom)
Joe Santanello (NASA, USA)
Sonia Seneviratne (ETH, Germany)
Gunilla Svensson (Stockholm U., Sweden)
Hirofumi TOMITA (RIKEN, Japan)
Sophie Valcke (CERFACS, France)
Iszta Zawadzki (McGill University, Canada)