



Selected highlights:

TUESDAY

The World Climate Research Program Open Science Conference
Full Agenda: <http://www.wcrp-climate.org/conference2011/structure.html>

Keywords: observing systems, monsoons, business needs, The Americas

Morning Plenaries

Observing systems (Kevin Trenberth, NCAR). With the climate changing from human influences, there is now an imperative to document what is happening, understand those changes and their causes, and make projections into the future. However, even though Earth is observed more completely today than at any other time, many of the observations are not "climate quality" and useful for monitoring long-term climate.

Ocean Observations (Susan Wijffels, CSIRO, Australia). The oceans comprise the largest active planetary reservoir for heat, water and carbon, and as a result they play a crucial role in climate, particularly at longer timescales. Obtaining the necessary ocean observations to understand and predict climate remains a tough technological and resource challenge.

Afternoon Talks

Session B6: **Understanding Atmospheric Processes, Aerosols, Clouds and Dynamics in Climate.** Topics include geoengineering by brightening marine clouds, understanding poleward expansion of jets with climate change, Arctic clouds. Plaza C.

Other sessions: Climate System Observations, Reprocessing, Reanalysis and Climate Data Records (B4, Plaza F); Variability and Predictability of Regional Climate and Monsoons (B5, Plaza DE). More: <http://www.wcrp-climate.org/conference2011/structure.html>

Posters

Regional highlight: **The Americas.** Other topics include permafrost, ice sheets and glaciers; satellite observations; and monsoons. More: <http://www.wcrp-climate.org/conference2011/posters.html>

Evening

Business Needs for Climate Info: Panel Discussion, 6:15 - 9 p.m.

Private sector and non-governmental organizations are major providers or users of climate information. Experts from several sectors will discuss the challenges and opportunities they envision as providers and users of climate information.