



Highlights from the WCRP Open Science Conference

Priorities for Climate Observations, Research and Predictions High on Agenda

Ghassem Asrar, Director of WCRP, gave a **press briefing** at the United Nations in Geneva in anticipation of the **WCRP Open Science Conference** that took place the week 24-28 October in Denver, USA... [read more](#)

Impressive Turn Out at the WCRP Conference

More than 1900 participants from 86 countries attended the **WCRP Open Science Conference**. This unprecedented gathering included the presence of 523 students and early career scientists, and 332 scientists from developing countries. You can find all the news, comments and interviews in the Conference **Facebook**, **Twitter** and **You Tube**. All the presentations and electronic version of the posters are also posted on the **conference webpage**.

Need for "Actionable" Science

An emerging theme from the WCRP Conference was the need for "actionable" science. During a **panel discussion on private sector needs for climate science and information**, representatives from several major companies – BP, Northrup Grumman, Computer Sciences Corporation (CSC) and The Weather Channel – discussed how scientists and private enterprise can work together towards provision of science-based and actionable climate information... [read more](#)

Best Presentation Winners

The daily competition for the best posters and papers presented by young researchers was based on about 120 presentations each day. Conveners carefully evaluated posters and talks by young scientists in their sessions, taking into account both scientific content and presentation technique. The **complete list** of awardees for the best posters and papers presented at the WCRP Open Science Conference is now available on the **conference webpage**. The five grand prize-winners of iPADS were selected from the combined list of best daily posters and papers for the entire conference.... [read more](#)

Communicating Climate Science: a Dialogue with Early Career Scientists

This event was sponsored by the American Meteorological Society (AMS) to address the increasing need for clear information about climate. In light of rapidly expanding developments globally and the adverse impacts of extremes climate/weather events more understandable explanations are needed to ensure we can explain uncertainties, keep expectations of our science reasonable and ensure continued support for our work. Early career scientists are a tremendous resource as spokesperson for state-of-the-art research and insights... [read more](#)

Challenges for Sustained Climate Observations

A **recent article in Nature** magazine reports on one of the WCRP Conference plenary talks on Sustained Climate Observing System. Kevin Trenberth, chair of **GEWEX SSG**, stated that observations are critical to our understanding and ultimately predicting Earth's climate on

multiple time scales. He stated "We cannot manage what we can't measure,"... [read more](#) and see the [video interview](#)

WCRP Priorities for Current and Future Research

One of the main expected outcomes of the [WCRP Open Science Conference](#) was the list of research priorities for WCRP in the ensuing decades as described in a series of [community position papers](#). These papers are intended to address current and future research and intellectual challenges that must be promoted by WCRP, and in so doing engaging the next generation of scientists who will lead the WCRP over the years and decades ahead. [Read the papers](#) and send your comments to the authors.

Recent Science Highlights

A New Global Model Evaluation Project for Understanding and Predicting Madden-Julian Oscillation (MJO)

The objective of this project is to characterize, compare and evaluate the heating, moistening and momentum mixing processes associated with the MJO that are produced by our global weather and climate models, with a particular focus on their vertical structure. This is a collaborative effort between the [Year of Tropical Convection \(YOTC\) / MJO Task Force](#) and the [GEWEX Atmospheric System Study \(GASS\)](#)[read more](#)

CORDEX Helping Africa to Reduce Vulnerability

The Coordinated Regional Climate Downscaling Experiment ([CORDEX](#)), an initiative of WCRP, is delivering data from regional climate models at the scales that matter to decision makers and the public. The information will not only help countries but also communities in their efforts to adapt to changing weather/climate patterns, and to tailor their natural disaster risk reduction plans... [read more](#)

Attribution of Climate-related Events

In [a recent article](#), the Nature journal features two [WCRP Conference](#) plenary speakers (Peter Stott and Kevin Trenberth) on the extreme weather-attribution study. The aim is to create an international system that could assess the changing climate's influence on weather events almost as soon as they happen or even before they occur. [The article](#) highlights the special session at the [WCRP Open Science Conference](#) and the [position paper](#) that Peter Stott and his team had prepared.

News

ICR4: Call for Abstracts

The [4th WCRP International Conference on Reanalysis](#) will provide an opportunity for the global community to review and discuss the major observations and modeling research associated with reanalyses, including the current uncertainties, such as consistency of the time series, and the complexity of Earth system. **Deadline for Abstracts: 6 January 2012...** [read more](#)

The CLIVAR International Project Office (ICPO) is seeking a New Director

WCRP and the UK's National Oceanography Centre (NOC) invite applications for the position of Director of the ICPO, located at NOC's Southampton headquarters. [CLIVAR project](#) is one of four core projects of the WCRP. The Director of the Project Office takes a leading role in the implementation and coordination of CLIVAR activities under the general guidance of the CLIVAR Scientific Steering Group. **Applications deadline: 5 December 2011...**[more information](#)

Nobel Laureate Professor Yuan Tseh Lee Takes ICSU Presidency

Professor Yuan Tseh Lee, a Nobel Prize-winning chemist from China-Taipei, is the new President of the International Council for Science (ICSU) since the conclusion of the organization's 30th General Assembly.... [read more](#). Professor Gordon McBean has been named as the future ICSU President and is set to succeed Professor Tseh Lee in October 2014... [read more](#)

Publications

WCRP Monsoon Fact-Sheet

A team of GEWEX and CLIVAR scientists developed and published latest WCRP fact-sheet on the Global Monsoon Systems. This document outlines the state-of-the-art on the understanding of monsoon systems, their predictability and the impact of man-made climate change on the monsoonal systems worldwide... [read more](#)

Outcome of the 32nd Session of the WCRPJSC

The WCRP Joint Scientific Committee met in Exeter, UK, in April 2011 for its 32nd Annual Session. The meeting especially addressed the growing need for the use of climate information products and services... [read the report](#)

CLIVAR Exchanges: Two Special Issues

Last two issues of the [CLIVAR Exchanges Newsletter](#) are not to be missed. **Issue n.56** is devoted to CMIP5, the multi-model experimental framework and its components. Issue n.57 gives an overview of the La Plata Basin climate variability and change through projects and activities supported by the European Union, the Inter-American Institute for Global Change Research, the Global Environmental Facility and the regional agencies.

Upcoming WCRP Events

WWRP-WCRP Polar Project Planning Meeting, 30 Nov.-1 Dec. 2011, Geneva, Switzerland

WWRP-WCRP Planning Group of the Sub-Seasonal to Seasonal Prediction Project, 2-3 December 2011, Geneva, Switzerland

[AGU Fall Meeting](#), 5-9 December 2011, San Francisco, USA

[Annual Meeting of American Meteorological Society \(AMS\)](#), 22-26 January 2012, New Orleans, USA

CLIVAR Town Hall Meeting at the [TOS/ASLO/AGU Ocean Sciences Meeting](#), 20-24 February 2012, Salt Lake City, USA

[International Conference on Opportunities and Challenges in Monsoon Prediction in a Changing Climate](#), 21-24 February 2012, Pune, India

[CMIP5 Analysis Workshop](#), 5-9 March 2012, Honolulu, Hawaii, USA

[Workshop on the Physics of Climate Models](#), 20-23 March 2012, Pasadena, California USA

[Planet Under Pressure Conference](#), 26-29 March 2012, London, UK

[Click Here](#) to view the full list of WCRP-related events

[If you wish to subscribe to the WCRP e-zine click here](#)