



Follow up from the WCRP Open Science Conference

WCRP Research and Plan Priorities

The research priorities resulting from the **WCRP Open Science Conference** are described in a series of **community position papers** that are being peer reviewed for publication as a monograph later this year.

A Dialogue with Participants on WCRP Future Directions

A dialogue between a panel of experts and the conference participants resulted in a series of questions/challenges for WCRP to pursue. The questions have been assembled in nine themes/topics for WCRP to use in its future planning process... **see the questions**

The "long" Way to Climate Services

Richard A. Kerr, science journalist, published an article in the 25th November issue of Science Magazine on the WCRP Conference in Denver. He states that scientists are still striving to generate actionable science for use at the regional and local scale as many key speakers pointed out the great challenge of delivering actionable information effectively to users.... **read article**

Science Highlights

The Future of Climate Prediction: the Probabilistic Earth-system Simulator

New scientific justification in support of the conclusions of the **WCRP World Summit on Climate Modelling** are presented in a paper by Palmer et al. to appear in the Quart.J.Roy.Meteorol. Soc. The authors state that breakthroughs in improving climate predictions will likely occur within a stochastic framework rather than in the traditional deterministic framework... **read the article**

Refining Indices for Monitoring Changes in Climate Extremes

The recent article published in the WIREs Climate Change summarizes the work on refining indices for climate variability and extremes carried out by the **Expert Team on Climate Change Detection and Indices (ETCCDI)**. The paper describes recent progress in attribution of the changes in gridded indices of extremes that demonstrates human influence on the probability of extremes.... **access the article**

Climate Extremes: the IPCC Guide to Managing their Risks

The IPCC has released a summary of its special report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (**SREX**). The report evaluates the role of climate change in altering the characteristics of extreme events. The full report will be published in early 2012. WCRP affiliated scientists contributed to this report.

Special Issue on iLeaps-Related Science

The scientific goal of **iLEAPS** is to provide understanding on how interacting physical, chemical and biological processes transport and transform energy and matter through the land-atmosphere interface. **Atmospheric Chemistry and Physics (ACP)** and **Biogeosciences (BG)** have opened a joint special issue on iLeaps-related science... [view the articles](#)

News

New Home for SPARC International Project Office

The international project for atmospheric and climate research **SPARC** (Stratospheric Processes And their Role in Climate) relocated its coordination centre from the University of Toronto in Canada to the ETH in Zurich, Switzerland. On 7 February 2012, **SPARC** celebrated its **20th Anniversary** and the inauguration of this new office.... [read more](#)

WCRP Establishes the Modelling and Data Advisory Councils

The **Joint Scientific Committee** of WCRP, at its latest meeting in October 2011, confirmed the establishment of a **WCRP Modeling Advisory Council (WMAC)** and a **Data Advisory Council (WDAC)** to strengthen the coordination and synergies between the various modeling and data analysis efforts across the program, and with sister programs. The WDAC will embrace the functions of WCRP Observations and Assimilation Panel (WOAP) as one of its major mandates... [read more](#)

Launching CORDEX South Asia

WCRP/CORDEX (COordinated Regional climate Downscaling Experiment) organized a South Asia Planning Meeting at the Indian Institute of Tropical Meteorology (IITM) in Pune, India, during 25-26 February 2012. The expert panel included international as well as national and local members. The meeting focused on the needs of regional climate information and the framework for model simulations and evaluation... [read more](#)

CLIVAR Town Hall Meeting at the 2012 Ocean Sciences

Martin Visbeck, **CLIVAR**SSG co-chair, kicked off the evening event with a brief overview of **CLIVAR** objectives and organization. The forum provided an opportunity for the audience to comment on what a future WCRP program that focuses on the ocean-atmosphere component of the climate system should encompass... [read more](#)

Membership of the WCRP Steering Groups and Panels

The year 2012 brings some changes in the membership of the WCRP Steering Groups. WCRP welcomes the new members and thanks those who offered their experience and energy in the implementation of WCRP activities in the past years. [Find out more...](#)

Launch of the MedCLIVAR Data Archive

The Steering Committee of **MedCLIVAR** is inviting the Mediterranean climate research community to submit their data in the long-time archive of climate research data to the World Data Center for Climate (WDCC). The purpose of the MedCLIVAR data archive is to provide long-term preservation (including DOI registration), and easy access to observational and model datasets for climate diagnostics and impact studies for the Mediterranean region.... [read more](#)

Newsmakers

Congratulations to Prof. Sergey Gulev New Elected Member of the Russian Academy of Science

Professor Sergey Gulev, a former WCRPJSC Officer and a current member of the CLIVARSSG, has been elected a Corresponding Member of the Russian Academy of Sciences. Sergey co-chaired the WCRP Working Group on Air-Sea Fluxes during 1996-2001 and organized a number of WCRP workshops and conferences and founded the FLUXNEWS Newsletter... [read more](#)

Global Earth Observation (GEO) New Director

MsBarbara Ryan, currently Director of **WMO Space Programme**, will succeed DrJose Achache as the Director of the **GEO** Secretariat. DrAchache was instrumental for the formation of **GEO** and the establishment of the Global Earth Observation System of System (**GEOSS**) secretariat over the last six years. WCRP wishes him well on his future endeavors and welcomes Ms Ryan in her new position.

ICSU New Executive Director

WCRP welcomes Dr Steven Wilson as the new Executive Director of the International Council for Science (**ICSU**). ICSU is one of three sponsors of the WCRP and the sponsor of the initiative, **Future Earth: research for global sustainability**. Dr Wilson succeeds Professor Deliang Chen, who will return to the University of Gothenburg in Sweden after three years at the helm... [read more](#). WCRP is grateful to Prof. Chen for his valuable contributions and leadership and looks forward to working with ICSU team on Future Earth initiative.

Publications

WCRP Action Plan on Surface Fluxes Published

The **WCRP Observation and Assimilation Panel (WOAP)** recently published a report on research activities and defined actions on surface fluxes. It is recognized that surface fluxes are of interest because they represent exchanges across interfaces of major Earth system domains, and so they should not be considered in isolation from the state variables on both sides of the interface. The report identifies six important topics to be considered for an effective management of surface fluxes research across WCRP, **GCOS**, and other sister programs... [read more](#)

Evaluation of Satellite-Related Global Climate Datasets

Under the auspices of the WCRP and GCOS, a workshop was hosted by the European Space Agency (**ESA**) in Frascati, Italy on 18-20 April 2011 to discuss and develop coordination processes in the evaluation of global climate datasets. The example datasets discussed included the atmospheric, ocean and terrestrial observations at different stages of maturity... [read more](#)

27th Session of Working Group on Numerical Experiment (WGNE)

The 27th session of WGNEmeeting was hosted by the National Oceanic and Atmospheric Administration (NOAA) at the National Center for Atmospheric Research (NCAR)from 17- 21 October 2011 in Boulder, Colorado, USA and. For the first time, the meeting included a joint session with the WCRP Working Group on Coupled Modeling to explore various areas of collaboration, such as model development and evaluation, and exchange of expertise toward seamless prediction across time/space.... [read more](#)

Extraordinary Session of the WCRP Joint Scientific Committee

Following the very successful Open Science Conference, the JSC met in Boulder on 29-30 October 2011 to take stock of the of the conference outcomes and how to discuss WCRP future plans and priorities... [read more](#)

OceanObs'09 Conference Proceedings are Published

The **first volume of the OceanObs'09 Conference Proceedings** is now published. This volume includes the conference Plenary Papers based on the Community White Papers. The Community White Papers that were prepared ahead of the meeting to address gaps and opportunities in specific areas of the ocean observing and information system. These papers were used to identify community consensus on priorities and to building a coherent vision... [read more](#)

Upcoming WCRP Sponsored Events

Paleo-Climate Model and Data Comparisons to Constrain Future Projections, 1-3 March 2012, Honolulu, Hawaii, USA

CMIP5 Analysis Workshop, 5-9 March 2012, Honolulu, Hawaii, USA

8th Session of the WCRP CliC Scientific Steering Group, 12-15 March 2012, Innsbruck, AUSTRIA

Workshop on the Physics of Climate Models, 20-23 March 2012, Pasadena, California USA

Planet Under Pressure Conference, 26-29 March 2012, London, UK

Polar Climate Initiative Workshop, 2-4 April 2012, Toronto CANADA

Global Drought Early Warning System Workshop, 11-13 April 2012, Frascati, ITALY

4th International Reanalysis Conference, 7-11 May 2012, Washington DC, USA

Effects of Climate Change on the World's Oceans, 15-19 May 2012, Yeosu, KOREA

Chemistry-Climate Model Validation (CCMVal) Workshop, 22-24 May 2012, Davos, SWITZERLAND

Workshop on Modelling and Predicting Climate in the Americas, 4-8 June 2012, Petropolis, BRAZIL

19th Session of the CLIVAR Scientific Steering Group, 11-14 June 2012, La Paz, MEXICO

33rd Session of the WCRP Joint Scientific Committee, 16-20 July 2012, Beijing, CHINA

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