



## e-zine N° 15 – September 2009

### Science Highlights

#### **Article in Science: Solar activity and climate variability link**

A new study published in the recent issue of Science magazine (29 August 2009) by the WGCM Co-chair Gerald Meehl and some co-workers reveals the mechanisms that enhance climate response to small solar forcing. [Read more](#) about the article.

#### **ESSP Global Carbon Project: Super-size Deposits of Frozen Carbon Threat to Climate Change**

The vast amount of carbon stored in the arctic and the boreal regions of the world is more than double that previously estimated, according to a study recently published. [Read the summary](#).

#### **Feature article: NASA Satellites Unlock Secret to Northern India's Vanishing Water**

Where is northern India's underground water supply going? According to Matt Rodell of NASA, it is being pumped and consumed by human activities and if measures are not taken to ensure sustainable groundwater usage, consequences may include a collapse of agricultural and severe shortages of potable water. [Read more](#).

#### **ICSU News: Earth System Research Visioning**

Under the leadership of ICSU's Committee on Scientific Planning and Review, a three-step Earth System visioning process has been launched. It consists of collecting the broad spectrum of views across disciplines and parts of the world and then focusing these through a peer review process into a set of major international research priorities. [Read more about the visioning process](#).

#### **IndOOS: Resources Forum update**

The CLIVAR/GOOS Indian Ocean Panel was tasked to draw up a business plan for establishing an Indian Ocean Resources Forum (IRF), following the recommendation of the 5th session of the Indian Ocean GOOS Panel. [Read more](#).

#### **Survey: WCRP Community-wide Survey of Model Evaluation and Improvement**

The survey is intended to help better understand and co-ordinate innovative observational, theoretical and process studies for developing climate models. The deadline of 15th September is intended to use the survey results in discussions at the upcoming WGCM and WGNE meetings in late September and early November 2009. [Read more](#).

### In the News

#### **New WCRP Reports: WCRP Achievements Report and Implementation Plan**

The new WCRP Achievements Report is available now. in press. It highlights selected activities that were sponsored, coordinated and carried out by the WCRP core projects and working groups during the past five years. We hope you will find this report useful and welcome your feedback and suggestions for a more effective ways of communication among WCRP sponsors, supporters and participants. [Read and download](#) the electronic version of the report.

The Implementation Plan describes the major research activities and initiatives that WCRP will promote and undertake during the next several years. The Plan has been developed based on input from all the WCRP projects, working groups and panels, taking into account outcomes of

the WCRP Independent Review and deliberations of the JSC. [Read and download](#) the electronic version of the report.

### **Position Announcement: Director of the International CLIVAR Project Office**

CLIVAR is one of the four core projects of the WCRP. The Director of the Project Office takes a leading role in the development and implementation of CLIVAR and its international co-ordination. The position is located at the National Oceanography Centre in Southampton, UK. Full announcement soon to be posted on the WCRP and [CLIVAR](#) webpages.

### **CORDEX: A Coordinated Regional Downscaling Experiment is officially launched**

CORDEX is a new initiative of WCRP to improve coordination of international efforts in Regional Climate Downscaling (RCD), both by dynamical and statistical methods. [Read more](#) on the webpage.

### **CMIP5 website now public**

CMIP5 is meant to provide a framework for coordinated climate change experiments for the next five years and thus includes simulations for assessment in the IPCC 5th Assessment Report as well as others that extend beyond the AR5. Read more [on the redesigned website](#).

### **New GEWEX Products Available: New release of Version 2.1 of the GPCP monthly product and Version 1.1 of the GPCP One-Degree Daily (1DD) product**

The entire data record for both products has been recomputed and all documentation has been updated to reflect the product updates. [Read more](#) about the new data products and documentation.

### **New report: Global Climate Change Impacts in the United States**

A new report "Global Climate Change Impacts in the United States" has been released by the US Global Change Research Program. The report summarizes the science and the impacts of climate change in the United States, now and in the future. [Read the report](#).

## **Events**

### **GEWEX: 6th International GEWEX Conference in Melbourne**

The Sixth International Scientific Conference on GEWEX and the Second iLEAPS Science Conference were held in Melbourne, Australia, 24-28 August 2009. These sessions provided the opportunity for cross-fertilization between the sciences represented by both GEWEX, as part of WCRP, and iLEAPS, as part of IGBP, in addressing present and future climate and global change challenges. [Read more](#).

### **WCC-3 News: Conference Statement and Declaration**

The third World Climate Conference held in Geneva from 31 Aug. to 4 Sept. ended successfully with strong support for the Global Framework for Climate Services (GFCS). The concept of GFCS calls for major strengthening of research among other elements. [Read more](#).

### **OceanObs09, 21-25 September 2009, Venice, Italy: Update**

More than ninety Community White Papers are now available for download from the OceanObs'09 website. Many of them have now been revised in response to public review and comments. Additional feedback to the authors is still welcomed. [Download and comment](#) on Community White Papers.

### **Modelling meetings**

**WGCM-13:** the 13<sup>th</sup> session of the Working Group on Coupled Modelling will take place in San Francisco, CA, USA, 28-30 September 2009

**WGNE-25:** the 25<sup>th</sup> session of the Working Group on Numerical Experimentation will be held jointly with the 11<sup>th</sup> session of the GEWEX Modelling and Prediction Panel in Offenbach, Germany, 2-6 November 2009. Both meetings are by invitation only.

### **31<sup>st</sup> session of the Joint Scientific Committee for WCRP**

The 31<sup>st</sup> session of the Joint Scientific Committee for WCRP will take place in Antalya, Turkey, 15-19 February 2010, and it will hold a joint session with the 15<sup>th</sup> session of the Commission for Climatology. [Read more](#).