



ICSU

International Council for Science

e-zine N° 7 – September 2007

News

WCRP Annual Report 2006-2007, Providing the Science for Climate Change Solutions

The WCRP Annual Report ([PDF](#)) chronicles the activities of WCRP from July 2006 to June 2007 including its four core projects (CLIVAR, GEWEX, SPARC and CliC), diverse cross-cutting initiatives and many collaborations. Order hard copy plus WCRP research DVD: wcrp@wmo.int.

UN discusses Climate Change at UN Headquarters in New York, 31 July

Translating the scientific consensus on climate change into political consensus and action [UN officials met with climate experts](#) (including JSC member Dr Le Treut) and business leaders.

Aspen Statement proposes new Experiments for Global Coupled Climate Models

In a joint WCRP-IGBP statement, the modelling community describes a unified position on the scenarios to be used in future IPCC assessments. Download [WCRP Informal Report No. 3/2007](#).

WCRP Scientists improve 'Freak Weather' Forecasts

Watch the [video clip on EuroNews](#) with WCRP scientist Dr Palmer (European Centre for Medium-Range Weather Forecasts) explaining the ensemble forecasting technique.

WCRP/CliC Input to UNEP Report 'Melting Ice – a Hot Topic'

Several crucial chapters in the UNEP report Global Outlook for Ice and Snow were led by WCRP/Climate and Cryosphere (CliC) scientists. Download report www.unep.org/geo/geo_ice/.

VOCALS: new Research Programme on Ocean-Cloud-Atmosphere-Land Interactions

To study coupling processes in the Southeast Pacific and advance global climate modelling, WCRP/CLIVAR is developing the [VAMOS Ocean Cloud Atmosphere Land Study](#). Read [article](#).

GEWEX Global Aerosol Climatology Project studies Global Sunscreen

The warming trend of the past decade may be related to increasing amounts of downward solar radiation reaching the Earth's surface due to decreases in tropospheric aerosols. [More](#).

Cryosphere Community Statement says: Mountain Glaciers are shrinking alarmingly

Mountain glaciers are the source of water for over half of humanity, yet everywhere they are rapidly disappearing says a Statement supported by WCRP/CliC scientists. See [press release](#).

World Ocean Circulation Experiment (WOCE) Atlas Series: Pacific Ocean in Print

The Hydrographic Programme Atlas Series publishes volume 2 on the Pacific Ocean in hard copy in 2007 complementing volume 1 on the Southern Ocean. See [website](#) and [order](#).

Greenhouse Climate Change: Research & Observation Needs, Sydney, October 2007

WCRP, IPCC, the Global Climate Observing System (GCOS) and IGBP co-host a workshop in Australia, 4-6 October, to build on the IPCC Fourth Assessment Report. This event is crucial in defining future directions for climate research and observing strategies. [Web-updates](#).

WCRP's new Integrated Monsoon Studies (IMS) 2007-2011: Meeting, Bali, 5 Sept 07

As part of the Bali International Meeting 2007 (3-9 September) WCRP invites scientists to the WCRP IMS Scoping Meeting to discuss regional and global monsoon research. See [website](#).

Day-to-Day Asian Monsoon Monitoring available on new IPRC Website

The International Pacific Research Center (IPRC) launched a website with daily updates on the Asian monsoon circulation and time series of monsoon indices. See [website](#).

Call for Southern Hemisphere Network which monitors Shifts in Global Climate

WCRP Chair Dr Church has called for a deep ocean moorings' network to detect any change in ocean circulation that may adversely influence global climate. Read [Science Daily article](#).

Prizes galore: Dr Shukla was awarded the 52nd IMO Prize ([article](#)), Dr Salio won the WMO Research Award for Young Scientists ([article](#)) and Dr Church the 2007 Eureka Prize ([article](#)).

Latest News from WCRP Core Projects

Read latest news from the CLIVAR ([No. 42](#)), GEWEX ([Vol. 17/3](#)) & CLIC ([No. 9](#)) Core Projects.

New Roles

Dr Guxiong Wu (WCRP/JSC officer) was elected as IAMAS-President at the International Union of Geodesy and Geophysics (IUGG) held in Perugia, Italy, July 2007. Many IUGG sessions highlighted WCRP core projects and broader research www.iugg2007perugia.it/.

Professor Rik Leemans to chair new Earth System Science Partnership Council

As of October 2007, Professor Leemans, head of the Environmental Systems Analysis Group, Wageningen University, The Netherlands, will chair the ESSP Scientific Committee. [More](#).

Sir Brian: Former JSC Deputy Chair receives Knighthood

Sir Brian Hoskins, Deputy Chair of the WCRP JSC, was knighted by Her Majesty Queen Elizabeth II in June 2007.

Events

3rd International Conference on Water and Climate, Helsinki, 3-6 September 2007

The ESSP Joint Project on Water Systems and WCRP/GEWEX invite the hydrological science community, coordinators of water resources programmes and decision makers to Finland to discuss climate change, hydrological extremes and water resources. Check for [updates](#).

Climate Change and Desertification: Monitoring, Modelling and Forecasting, Sept 07

The WCRP co-sponsored [Workshop in Wengen](#), Switzerland, 10-13 September, will review what has been learned about desertification processes over the last three decades. Input will go directly to the UN Convention to Combat Desertification COP8 in Madrid, 14-18 September.

19th Meeting of the Parties to the Montreal Protocol, Montréal, 17-20 September 07

The Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer celebrate 20 years of progress to which WCRP's projects [SPARC](#) and [Atmospheric Chemistry and Climate \(AC&C\)](#) have provided the science on atmospheric chemistry-climate interactions. See [website](#).

UN's High Level Ministerial Meeting on Climate Change, New York, September 2007

This high-level ministerial meeting is tentatively scheduled for 24 September 2007 during the UN General Assembly session, at UN headquarters in New York. <http://www.un.org/ga/61/>.

Intergovernmental Panel on Climate Change 27th Session, Valencia, 12-16 Nov 2007

IPCC-27 will focus on the adoption of the IPCC's Fourth Assessment Report. www.ipcc.ch/.

GEO IV and Ministerial Summit 2007, Cape Town, South Africa, 30 November 2007

The 4th Plenary session of the Group on Earth Observations (GEO) and the [GEO Ministerial Summit](#) in Cape Town will include displays from WCRP linked to DIVERSITAS and START.

13th Conference of the Parties to the UNFCCC, Bali, Indonesia, December 2007

UNFCCC COP-13 in conjunction with the 3rd Meeting of the Parties to the Kyoto Protocol (MOP 3) in Bali, 3-14 December 2007, will conclude with a ministerial segment. www.unfccc.int.