



Upcoming WCRP Major Events

SPARC 2014 General Assembly, 12-17 January 2014, Queenstown, New Zealand

This is going to be the fifth General Assembly for WCRP Stratospheric - tropospheric Processes And their Role in Climate project ([SPARC](#)). SPARC has recently extended its focus into the troposphere, and the General Assembly will be the first opportunity for the expanded project community to meet. Young scientists will be especially welcome to this exciting event. For more details on the programme visit the [conference webpage](#)

Conference for Latin America and the Caribbean: Developing, Linking and Applying Climate Knowledge, 17-21 March 2014, Montevideo Uruguay

More than 200 abstracts have been submitted for the Latin America and the Caribbean Conference ([LACC](#)), each of them with a focus on one of the conference themes: Water and Energy, Agriculture and Ecosystems, Human Health, Coastal Zones, Urban Environment and Climate monitoring, prediction and predictability. The conference developments can also be followed on [Facebook](#)

7th GEWEX International Scientific Conference - Trending Now: Water, 16-17 July 2014, The Hague The Netherlands

Water is a current major global concern and is "Trending Now". The 7th GEWEX Conference will celebrate 25 years of GEWEX research and set the stage for the next phase of research addressing the WCRP Grand Challenges on water resources, extremes and climate sensitivity. Visit the [conference webpage](#) for more details on the conference programme. Following the conference, GEWEX and CLIVAR are organizing their respective Pan-GEWEX and Pan-CLIVAR meetings. More details will be available soon on the [CLIVAR](#) and [GEWEX](#) webpages

WCRP-ICTP Summer School on Extreme Events, 21 July - 1 August 2014, Trieste Italy

Students and Early Career Scientists are invited to submit their applications for this training school on attribution and prediction of extreme events. The school format is designed to enhance knowledge exchange of advanced academic techniques and expertise in regional processes. [Click here](#) for more details and how to apply. The summer school is the first capacity development activity that WCRP is organizing in support of the [WCRP Grand Challenges](#).

Symposium on Climate Research and Earth Observations from Space , 13-17 October 2014, Darmstadt Germany

Registration and abstracts submission are now open for the Climate Symposium organized by WCRP and EUMETSAT in partnership with the European Commission and ESA. The [second announcement](#) of the symposium include a preliminary version of the programme with the identified daily themes and conveners. The scientific committee under the leadership of Julia Slingo, former JSC member, is in charge of shaping the detailed agenda. Deadline for abstracts submission is 31st March 2014.... [more info](#)

Science Highlights

Rosby Centre (SMHI) Releases New CORDEX Simulation Data

Since 2010 the Rosby Centre has been heavily involved in [CORDEX](#) related dynamical downscaling by coordinating international regional modelling activities and producing regional climate simulations over various CORDEX domains. A number of these simulations have recently been published and are freely available to all interested users. [Click here](#) for more info

Recent Variability of the Tropical Tropopause Inversion Layer

In a new GRL article, W. Wang and coauthors investigate recent variability of the tropopause temperature and the tropopause inversion layer (TIL). They find that the tropopause temperature increased by 0.8K from 2001-2011, while the TIL decreased in strength by 0.4K over the same period. Such changes may have important consequences, including, for example, a possible increase in water vapour entering the lower stratosphere. The full abstract can be [found here](#)

The Key Role of the Oceans in Climate Change

The new [IPCC assessment](#) provides evidence that the ocean warming is the main mechanism for the increase in energy stored in the climate system, accounting for most of the energy accumulated between 1971 and 2010. The key role of the oceans in the Earth climate systems prompted CLIVAR to refocus its mission to address oceans and climate variability, predictability and change ([see new brochure](#)). CLIVAR works closely with the [Global Ocean Observing System](#), the IOC-led platform for global collaboration on ocean monitoring... [Read more](#)

Video Lecture on Polar Regions Under Climate Change

CliC SSG member and former chair of WCRP JSC, Peter Lemke, talks about how climate change is impacting the cryosphere, and his experiences and new findings from a recent expedition to the Antarctic... View the public lecture on the [CliC Media Gallery](#)

Assessing Last Year Extreme Events

The Bulletin of the American Meteorological Society (BAMS) recently published a special supplement on the study of 12 extreme events that occurred in 2012. Approximately half the analyses found some evidence that the human induced climate change was a contributing factor to the extreme event examined... [Read the article](#)

Changes in East Africa Climate and Weather Extremes in the Past Five Decades

Significant decrease in total precipitation in wet days and increasing warm extremes are the result of the analysis conducted in the Greater Horn of Africa promoted by WCRP, WMO and GCOS. This study was supported by the World Bank Global facility for Disaster Reduction and Recovery... [Read the article](#)

NOAA Report on the State of the Climate in 2012 Released

Compiled by 384 scientists from 52 countries, this report provides a detailed update on global climate indicators and other data collected by environmental monitor stations and instruments. According to 2012 State of the Climate report, 2012 was among the 10 warmest years on record worldwide... [Read the report](#)

Addressing the Recent Pause in Global Warming

The global mean surface temperatures rose rapidly from 1970s, but have been relatively steady over the most 15 years to 2013. The UK Met Office Hadley Centre has written three reports that address the recent pause in global warming... [Read more](#)

News

Outcomes from the 2nd International Conference on CORDEX

The Scientists attending the CORDEX Conference identified future challenges for the follow up of the initiative and proposed some concrete actions. Implementing these actions will lead to the second phase of CORDEX and will represent another milestone in the delivery of climate services... [Read more](#)

Africa Climate Conference Outcomes

A summary and a final declaration of the Africa Climate Conference have been agreed and are available online. The main outcomes of ACC2013 are an Agenda on Climate Research for Development in Africa and the necessity to establish a coordination platform on African Climate Research. [Read more](#)

SPARC Portrait in International Innovation

In an interview and article published by International Innovation in December 2013, the SPARC Office director Johannes Staehelin explains the SPARC project's role within the wider atmospheric science community and the process by which the team organises the focus of vital research activities... [See the article](#)

VAMOS/CORDEX Latin America and Caribbean Workshop

The first VAMOS/CORDEX Workshop in Latin America took place on 11-13 September 2013, kindly hosted by the Institute of Geophysics of Peru (IGP) in Lima . The meeting was organized by the WCRP in partnership with ICSU-ROLAC, the Inter-American Institute for Global Change Research (IAI) and the Caribbean Community Climate Change Centre (5Cs), and in collaboration with ICTP and CIMA... [Read more](#)

CORDEX South Asia 2nd Workshop

The CORDEX South Asia workshop assembled 70 experts of the region in Kathmandu, Nepal, from 27 to 30 August 2013. The meeting was hosted by the International Centre for Integrated Mountain Development (ICIMOD) in collaboration with WCRP, the Indian Institute of Tropical Meteorology (IITM), the Chinese Academy of Sciences (CAS), and Monsoon Asia Integrated Regional Study (MAIRS). The workshop was funded by the Asia Pacific Network for Global Change Research (APN) and WCRP... [Read more](#)

EUCLIPSE Summer school: Students Thank WCRP

WCRP sponsored several students to attend the EUCLIPSE Summer School that took place in June 24- July 5, 2013, in Les Houches France. In their "Thank You" letter, these students acknowledge the opportunity given for their career development and the inspiring lectures as well as the stimulating discussions... [Read more](#)

Newsmakers

Farewell Ghassem, Congratulations Valery!

After serving more than five years as Director of WCRP, Ghassem Asrar left to face a new challenge. He is now the Director of the Joint Global Change Research Institute in Maryland, USA. We wish him all the best for his new position. Meanwhile, Valery Detemmerman has accepted to be Acting Director till the position is filled. Valery has been with WCRP for 26 years and is well known among the climate research community. The Joint Planning Staff congratulates Ghassem and Valery on their new responsibilities!

Dorthe Dahl-Jensen Awarded the Louis Agassiz Medal and Chevalier des Palmes Academiques

ClIC SSG member Dorthe Dahl-Jensen, has been awarded the EGU Louis Agassiz Medal for 2014...[Read more](#). Dahl-Jensen is professor in Ice Physics at the Niels Bohr Institute, University of Copenhagen where she leads the Centre of Excellence for Ice and Climate. Earlier this year she was also awarded the prestigious French Order of Chivalry, Chevalier des Palmes Académiques... [Read more](#)

Carolina Vera Appointed to Future Earth Science Committee

WCRP is pleased to announce that Carolina Vera, former officer of its Joint Scientific Committee, joined Future Earth Science Committee. See the list of members of the [Future Earth Science Committee](#).

New Director of ISSI Earth Observation: Congratulations Anny

Dr Anny Cazenave (JSC Member) has been appointed director of Earth Science at the [International Space Science Institute \(ISSI\)](#) located in Bern, Switzerland). Dr Cazenave succeeds Dr Lennart Bengtsson who has been involved in WCRP activities in the past. The WCRP community wishes to congratulate Anny on her new position.

Special Mention of WCRP Scientists at AGU 2013 Awards

Several scientists associated to WCRP are the recipients of the 2013 American Geophysical Union (AGU) awards, medals, prizes and class of fellows. [Click here](#) to find out who are these individuals recognized for their breakthrough achievements in advancing Earth and space science and their outstanding contributions and service to the scientific community

Publications

WCRP/CliC Workshop on Cryosphere in a Changing Climate

The report of the workshop convened by WCRP/CliC in October 2013 has been published. The goal of the workshop was to further develop the strategy to address the WCRP Cryosphere in a Changing Climate Grand Challenge. The report serves to frame the outcomes and future actions to move forwards... [Read the report](#)

Future Earth Transition Team publishes Final Report

Future Earth has just published the final report of the Transition Team, the group of experts that led the initial design of the research initiative on global sustainability. [Read the report](#)

Flux Newsletter Restarted

The new issue of Flux News is available. The bulletin covers the most important areas of air-sea flux research, coordinated experiments, and relevant datasets and publications... [Available here](#)

More WCRP Reports

Some reports from the recent WCRP meetings and workshops can be found [here](#).

Latest Core Projects News

Check the latest news of the WCRP Core Projects by [clicking here](#)

Upcoming WCRP Sponsored Events

21st Session of SPARC SSG, 19-22 January 2014, Queenstown NEW ZEALAND

[International Conference on Subseasonal to Seasonal Prediction](#), 10-13 February 2014, College Park MD USA

[DUE Permafrost 2014](#), 11-13 February 2014, Frascati ITALY

[10th Session of CliC SSG](#), 17-20 February 2014, Geneva SWITZERLAND

CLIVAR Town Hall @ Ocean Sciences: Quality Controlled Ocean Database, 24 February 2014, Honolulu USA

[International Symposium on Sea Ice](#), 10-14 March 2014, Hobart AUSTRALIA

29th Session of WGNE, 10-14 March 2014, Melbourne AUSTRALIA

[16th Session of WGSIP](#), 10-12 March 2014, Exeter UK

2nd Session of WGRC, 14-15 March 2014, Montevideo URUGUAY

[WCRP Grand Challenge Workshop: Clouds, Circulation and Climate Sensitivity](#), 24-28 March 2014, Rottach-Egern GERMANY

[WGOMD Workshop on High Resolution Ocean Climate Modeling](#), 7-9 April 2014, Kiel GERMANY

[MAIRS Open Science Conference](#), 7-10 April 2014, Beijing CHINA

[WCRP VAMOS/CORDEX 2nd Workshop on Latin-America and Caribbean](#), 7-9 April 2014, S. Domingo, Dominican Rep

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

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