

November 2011 U.S. CLIVAR News-gram



Please forward to interested colleagues. If you have announcements to include in our next issue or if you would like to be removed from the news-gram email list please email Cathy Stephens in the U.S. CLIVAR Office (cstephens@usclivar.org).

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Calendar of Upcoming Events

(for more information-www.usclivar.org/calendar.html)

Symposium on Stratospheric Ozone and Climate Change	November 7-10	Washington, DC
International Conference on Energy & Meteorology	November 8-11	Gold Coast, Australia
GEWEX SSG Meeting	November 14-18	Rome, Italy
CLIVAR Variability of African Climate System Meeting	November 21-23	Cape Town, South Africa
Earth Observation for Ocean-Atmosphere Interactions Science	November 29-December 2	Frascati, Italy
AGU Fall Meeting	December 5-9	San Francisco, CA
US CLIVAR SSC Meeting	January 9-10	Silver Spring, MD
CLIVAR Working Group on Ocean Model Development	January 11-13	Venice, Italy

AMS Annual Meeting	January 22-26	New Orleans, LA
US CLIVAR Hurricane WG Meeting	January 27-28	New Orleans, LA

Announcements

1. 2011 U.S. Carbon Cycle Science Plan Released

Please follow the link below to download its PDF version:

<http://www.carboncyclescience.gov/carbonplanning.php>

This new 2011 Plan, initiated by the [U.S. Carbon Cycle Interagency Working Group \(CCIWG\)](#) and the [Carbon Cycle Science Steering Group \(CCSSG\)](#), outlines a strategy for refocusing U.S. carbon cycle research based on the current state of the science. The development of this Plan was led by a committee of 25 active members from the carbon cycle research community, and the result is intended to provide U.S. funding agencies with information on community-based research priorities for carbon cycle science over the next decade.

2. Invitation to Joint MJO Task Force - CSS Model Experiment on Diabatic Processes

Through a collaborative effort between the Year of Tropical Convection (YOTC) / MJO Task Force (www.ucar.edu/yotc/mjo.html) and the GEWEX Atmospheric System Study (GASS) (www.gewex.org/gcss.html), the groups are coordinating a model and observation intercomparison project on diabatic heating associated with the MJO. Through this project, the vertical structure of the heating and moistening processes associated with the MJO will be examined in three experimental components: i) climatological simulation; ii) short-term / detailed-“physics” hindcasts iii) less-detailed but longer-lead hindcasts extending from ii); where the hindcasts target MJO events during the YOTC period, and, in time, the forthcoming DYNAMO experiment.

Detailed descriptions of these experiment designs can be found on both the project's web site and wiki page: <http://www.ucar.edu/yotc/mjodiab.html> http://climate.ncas.ac.uk/pmwiki/MJO_Diabatic_Hindcast/index.php/Main/HomePage (if prompted for a password, it is MJOW1k1) An earlier invitation to participate generated commitments from about 20 modeling groups to contribute to one or more of the three components. A table of participants to date can be found at the project web/wiki pages, along with timelines for model output submission, initial analyses and meeting presentation/discussion, etc. If interested in participating please contact Xianan Jiang (xianan.jiang@jpl.nasa.gov) and Prince Xavier (prince.xavier@metoffice.gov.uk) to express interest and sign up for the project's email list.

Announcements of Opportunity

1. Postdocs Applying Climate Expertise (PACE) 2012 Fellowships Application Deadline 4 January 2012

The UCAR Visiting Scientist Programs (VSP) in collaboration with the NOAA Climate Program Office, announces the 2012 call for applications to PACE (Postdocs Applying Climate Expertise) Postdoctoral Fellowships. The program has been developed to:

- Grow the pool of scientists qualified to work at the interface between climate science and its applications;
- Transition advances in climate science and climate prediction into climate-related decision making tools and frameworks; and
- Increase and strengthen collaborations between climate research institutions and decision-making institutions across all sectors.

Postdoctoral scientists research and develop tools that will apply climate prediction information to climate-impacted decisions. In each fellowship, the work is conducted under the specification and direction of institutional partners: (1) a Climate Research Institution and (2) a Decision Making institution. The program seeks recent (within the past 5 years) or anticipated PhDs who have expertise in climate science and who are interested in applying their knowledge of the climate system to increase decision-making capacity in climate-sensitive sectors.

Application instructions can be found at:

http://www.vsp.ucar.edu/pace/2012/2012_Fellowships.html.

The UCAR steering committee will choose a short list of candidates from the pool of applicants by the end of January. Short-listed candidates will be provided information on the 2011 hosting partner institutions and will be asked to write a short proposal to complete the application process. Proposals are due to VSP on 1 March 2012.

2. NOAA Climate and Global Change 2012 Postdoctoral Fellowships Application Deadline 18 January 2012

The NOAA Climate and Global Change Postdoctoral Fellowship Program, founded by NOAA in 1990 and administered by the UCAR Visiting Scientist Programs office aims to help train the next generation of researchers needed for climate studies and to establish the seeds of scientific leadership for climate and global change programs of the future. The fellowship program attracts outstanding recent PhDs in sciences relevant to climate and global change focusing on observing, understanding, modeling, and predicting climate variability and change on seasonal and longer time scales. This includes the documentation and analysis of past, current, or possible future climate variability and change and the study of the underlying physical, chemical, and biological processes.

Application instructions can be found at: http://www.vsp.ucar.edu/cgc/2012/2012_Program.html

Appointments will be announced in March 2012. Preference is given to those who have held a PhD for no more than three years. Awardees must change institutions and identify a host, who must be at a US institution.

Meetings and Workshops

1. The Second International Conference on Indian Ocean Tropical Cyclones and Climate Change

New Delhi, India

14-17 February 2012

Conference Website: <http://metnet.imd.gov.in/iotccc/>

The main focus of the conference will be on the linkage between tropical cyclones in the Indian Ocean and climate change. The broad thematic areas of the conference, focused on the Indian Ocean, are as follows:

1. Climate change and tropical cyclone activity over the Indian Ocean
2. Tropical cyclone and climate change related physical science themes
3. Impact of cyclones on the economy, infrastructure and society in individual Indian Ocean countries.

2. Opportunities and Challenges in Monsoon Prediction in a Changing Climate (OCHAMP-2012)

Pune, India

21-25 February 2012

Conference website: <http://www.tropmet.res.in/ochamp>

The Indian Institute of Tropical Meteorology (IITM at Pune, India) will be celebrating its 50th year in 2012. As a part of the year long Golden Jubilee celebrations, a five-day International Conference on "Opportunities and Challenges in Monsoon Prediction in a Changing Climate" (OCHAMP-2012) is scheduled. For more details, visit the conference website or contact the Conference Secretariat at: ochamp@tropmet.res.in

2. Workshop on the Physics of Weather and Climate Models

Pasadena, California

20-23 March 2012

Workshop website: <http://climatesciences.jpl.nasa.gov/workshop/model-physics-2012>

The Workshop will focus on key problems in the representation of physical processes in weather and climate models, and to develop scientific and programmatic strategies for their solution. The three multidisciplinary thematic sessions include: high-latitude physics, tropical weather and climate and clouds and climate physics. Register online via the workshop website above.

3. 4th World Climate Research Programme International Conference on Reanalyses (ICR4)

Silver Spring, Maryland

7-11 May 2012

Conference website: <http://icr4.org/index.html>

Abstract submission deadline: 6 January 2012

Submission website: <http://icr4.org/registration.html>

4. 2012 Tropical Atlantic Variability Meeting joint with PIRATA-17

Kiel, Germany

10-14 September 2012

The meeting will focus on the advances in observing, simulating, understanding and predicting

Tropical Atlantic Variability. It will be organized around 5 themes:

- 1) Climate Variability and Change in the Tropical Atlantic
- 2) Tropical Atlantic Teleconnections
- 3) Predictability, Coupled and Uncoupled Model Biases
- 4) Oceanic and Atmospheric Processes Affecting Climate Variability
- 5) Physical-Biogeochemical Interaction

A TACE special issue will be published that includes observational and modeling studies highlighting the progress in tropical Atlantic climate research achieved during the TACE period. More details about the conference will follow and made available on the TACE website: www.tace.ifm-geomar.de.

**5. 3rd International Conference on Earth System Modeling (3ICESM)
Hamburg, Germany
17-21 September 2012**

Conference website: <http://meetings.copernicus.org/3icesm>

The Conference aims to advance discourse on Earth system modeling prior to the 5th Assessment Report of the IPCC. Conference objectives include:

- Sharing understanding of the major challenges facing reanalyses: the changing observing system and the integrated Earth system
- Assessing the state of the disciplinary atmospheric, ocean and land reanalyses, including the needs of the research community for weather, ocean, hydrology and climate reanalyses
- Reviewing the new developments in reanalyses, models and observations

Position Announcements

1. International CLIVAR Project Office Director

Description: The World Climate Research Programme (WCRP) and the UK's National Oceanography Centre (NOC) invite applications for the position of Director of the International CLIVAR Project Office (ICPO), located at NOC's Southampton headquarters.

The Climate Variability and Predictability (CLIVAR) project is one of four core projects of the WCRP. CLIVAR coordinates and facilitates national and international activities that contribute to our understanding and prediction of climate variability and change on seasonal, decadal and centennial timescales. 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.

The successful applicant will provide programmatic and administrative leadership of the ICPO. Your role will be to oversee and manage the implementation of the plans and activities of each of the project elements of CLIVAR in support of the overall mission and strategy of WCRP.

The applicant will maintain active links between CLIVAR and the wider science community stimulating and organizing scientific meetings, workshops and conferences and ensuring the timely flow of information on CLIVAR. You will be responsible for the management of the Project Office staff, budgets, and operations as well as for maintaining and developing its funding base.

The applicant must have a Ph.D or equivalent experience in a relevant field and considerable experience of working in climate science. A proven ability in science management, including obtaining external funding, is essential. You should have demonstrated the ability to organize, manage and coordinate interdisciplinary and international science activities and initiate and sustain international cooperation.

This post is currently funded by the Natural Environment Research Council until 31 March 2014, and the salary is in the range of £47,630 to £60,420 per annum. Benefits include RCUK pension scheme and up to 30 days leave and 10.5 public/privilege days. Opportunities for further training and development are supported. The position will require periods of travel both within the UK and internationally.

Enquiries regarding CLIVAR and its international role should be directed to the current Director Dr Bob Molinari on +44 (0)23 8059 6208 or email robert.molinari@noc.ac.uk. For further information and to complete an online application, please visit the Research Council's Shared Service Centre [SSC iRecruitment site](#) or alternatively telephone: 00 44 (0) 1793 867 003 or email: RCUKJobs@ssc.rcuk.ac.uk for an application form.

The closing date for application is **Monday 5 December 2011**. Please quote reference number IRC35515 on all correspondence.

2. Georgia Institute of Technology – Faculty Positions in Land and Fresh Water Processes

The School of Earth and Atmospheric Sciences (EAS) at Georgia Tech invites applications for two tenure-track faculty positions in the areas of land and fresh water processes. We are seeking candidates interested in understanding the fundamental mechanisms of the land system through a variety of approaches, including theory, development and application of models of variable complexity, and synthesis of observational data. Areas of particular interest to the department include hydrology and geohydrology, water resources, land-atmosphere and ecosystem interactions, biogeochemistry, paleoclimate & climate dynamics, geomorphology and geophysics of the active layer. Applicants at the Assistant Professor level are sought, although outstanding individuals at all levels will be considered. We seek individuals who are interested in working in a dynamic interdisciplinary academic and research environment that includes atmospheric chemistry, geochemistry and biogeochemistry, weather and climate dynamics, hydrology, oceanography, paleoclimatology, geophysics, and planetary sciences. The Georgia Institute of Technology, one of the consistently top ranked educational/research institutions in the country, is undergoing significant growth in the earth and atmospheric sciences. The School of Earth and Atmospheric Sciences currently has 29 faculty members and 92 graduate students, and has excellent facilities in the 265,000 square-foot Environmental Science and Technology Building. For more information about our School and academic programs, visit www.eas.gatech.edu. Applicants should send an application letter, curriculum vitae, a statement of research and teaching interests, and the names and contact information for at least three references. Application materials should be submitted electronically as .pdf files to kathy@eas.gatech.edu. Requests for information should be directed to Dr. Athanasios Nenes, Search Committee Chair, at athanasios.nenes@gatech.edu, (404) 894-9225. **Applications will**

be considered beginning November 15, 2011 but the search will continue until the positions are filled. Georgia Tech is a unit of the University System of Georgia and an equal education/employment opportunity institution.