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February 2011 U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS

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

February

13-18: AGU ASLO Meeting (San Juan, Puerto Rico)

March

2-4: Drought Predictability and Prediction in a Changing Climate (Barcelona, Spain)

April

21-23: VOCALS Workshop (Miami, FL)

23-25: Workshop on Coupled Ocean-Atmosphere-Land Processes in the Tropical Atlantic (Miami, FL)

Position Announcements

1. Director, U.S. CLIVAR Project Office

This is a new, full-time one-year term position with possibility of extension. **THIS POSITION IS LOCATED IN WASHINGTON, DC.** Initial consideration will be given to applications received prior to 5:00 p.m. on Friday, **February 25, 2011**. Thereafter, applications will be reviewed on an as-needed basis.

UCP - Joint Office for Science Support (JOSS)

CLIVAR Project Office, Washington, DC

Paid relocation per UCAR's relocation policy

For the full announcement:

<https://hostedjobs.openhire.com/epostings/submit.cfm?fuseaction=app.jobinfo&jobid=216884&c>

[ompany_id=15947&version=1&source=ONLINE&JobOwner=962106&startflag=1](http://company_id=15947&version=1&source=ONLINE&JobOwner=962106&startflag=1)

2. Assistant Professor in Regional Climate Change Modeling, University of California, Davis

The Department of Land, Air and Water Resources in the College of Agricultural and Environmental Sciences, University of California, Davis invites applications for an Assistant Professor position in Regional Climate Change Modeling. We seek an outstanding applicant with a PhD in meteorology, atmospheric science, or closely related field. The candidate is expected to conduct research on the processes that affect regional climate change, and to collaborate in cross-disciplinary research that examines the impacts of climate change, particularly on the hydrologic cycle and water resources. We prefer applicants with experience developing or modifying regional or global climate models, coupling global and regional climate models, and applying such models to regional-scale meteorological problems, such as those relevant to California. The candidate will be required to teach atmospheric science courses at both the undergraduate and graduate levels. Supervision of graduate students, student advising, curricular development, participation in outreach programs, and university service are expected. This is a nine-month academic year position with eleven-month term employment to be offered and continued based on academic personnel review. For additional information concerning the position and to submit application materials, please visit <http://recruitments.ucdavis.edu> (look for the link to: Assistant Professor in Regional Climate Change Modeling). Applicants should submit a cover letter, curriculum vitae, description of current and projected research, summary of teaching interests and experience, and up to three publications, all in PDF format. Applicants should also arrange for three letters of reference to be submitted to Dr. Terry Nathan, Search Committee Chair, LAWR, University of California, Davis, 1 Shields Avenue, Davis, CA 95616. Letters may also be sent via e-mail to: crcantlin@ucdavis.edu. Closing Date: April 1, 2011. Open until filled, but all application materials, including letters of recommendation, must be **received by April 1, 2011** to assure full consideration. UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.

Meetings and Workshops

3. Past Present and Future Change in the Atlantic Meridional Overturning Circulation 12-15 July 2011

Bristol, UK

<http://www.noc.soton.ac.uk/rapid/ic2011/>

Call for Abstracts – deadline is 21 March 2011

SCIENCE THEMES

What do we know about present and past changes in the AMOC on seasonal to millennial time scales?

How does the AMOC influence ocean, atmosphere and terrestrial climate and ecosystems?

How will the AMOC change over the next few decades and over the 21st century?

Outlook and Challenges

4. YOTC International Science Symposium and 8th AMY International

16-19 May 2011

Beijing, China

<http://yotc-amy-2011.csp.escience.cn/dct/page/1>

Abstract deadline has been extended to **15 February**.

The YOTC International Science Symposium and the 8th Asian Monsoon Years (AMY) Workshop will explore scientific overlap between weather and climate (seamless prediction) in the context of intraseasonal tropical variability and convection-wave interaction; variability and predictability of the monsoon system; tropical-extratropical interaction; easterly waves and tropical cyclones; and the diurnal cycle.

5. The First XBT Science Workshop: Building a Multi-Decadal Upper Ocean Temperature Record

7-8 July 2011

Melbourne, Australia

<http://www.aoml.noaa.gov/phod/goos/meetings/2011/XSW/>

The goal of the meeting is to bring together scientists working on the upper ocean thermal structure to highlight the uses of XBT data. Topics include upper ocean heat budgets, transport, circulation and variability of near surface temperature and salinity. The use of multiple data types is encouraged that include novel inclusions of different instruments and is not strictly limited to XBT data alone.

The meeting will immediately follow the IUGG XXV General Assembly.

6. Fifth International Conference on Flood Management (ICFM5)

27-29 September 2011

Tsukuba, Japan

<http://www.ifi-home.info/icfm-icharm/Call-for-Papers.html>

ICFM is the only recurring international conference focused solely on flood related issues. It is designed to bring together practitioners and researchers alike, including engineers, planners, health specialists, disaster managers, decision makers, and policy makers engaged in various aspects of flood management.

Authors are invited to submit abstracts on the conference topic areas. The deadline for the abstract submission is **1 April 2011**.

Notifications of acceptance will be sent to authors no later than 30 April 2011. All accepted abstracts will be published in the conference proceedings and authors of a few selected abstracts will be invited to submit their full manuscripts to be published in a peer-reviewed journal.

7. Community Earth System Model (CESM) 2nd Annual CESM Tutorial on climate modeling

1 - 5 August 2011 in Boulder, Colorado

The focus will be on modeling of the coupled climate system and its major components.

The tutorial is targeted at graduate students who wish to learn how to understand, run, and modify climate models for scientific applications. The focus will be on CESM specifically. Specific content will be tailored to meet students' needs.

The tutorial will last 5 days and include: (a) Lectures on climate modeling, focusing on techniques and approaches in CESM (b) Practical sessions on running and modifying the components of CESM

Because space is limited, we are asking for a brief on-line application to balance attendees across institutions and for distributing funding. Click here to apply:

https://www.regonline.com/2011_cesm_tutorial

Please apply in one of three categories: (a) participant requesting full travel support (airfare, per diem, lodging, local ground transportation) (b) participant requesting partial support (per diem, lodging, local ground transportation) (c) participant requesting no support

Application deadline is 25 March 2011. We expect to notify participants by late April with the status of your request to attend the tutorial and what level of funding we are able to provide to you.

ANNOUNCEMENTS:

- **Sea level change in the IPCC Working Group I Fifth Assessment Report**

We are dealing with projections of global-mean sea level change during this century and the further future, and with the geographical distribution of future sea level change. To inform the assessment we need to be aware of relevant publications. In addition to our own searching of the literature, we would be grateful to hear from authors of papers on predictions/projections of global sea level change, of any of its components (thermal expansion due to ocean heat uptake, glaciers, ice caps, ice sheets, terrestrial water storage), of regional sea level change, and of any of the influences upon it (ocean density and circulation changes, surface flux changes, changes in the solid Earth and geoid). If you have published a peer-reviewed paper on such subjects in 2006 or later, we would be grateful if you would email it to Jonathan Gregory (j.m.gregory@reading.ac.uk). If you have submitted a relevant paper, which you are willing to share with us at this point, you are also welcome to email it. (Note that IPCC drafts are always treated as confidential.) Papers to be considered in this assessment must have been submitted by the end of **July 2012**, but it will be helpful to know about them sooner rather than later. Please feel free to pass on this request to any authors of relevant papers.

- **Open Comment period for U.S. Carbon Cycle Science Plan**

Understanding the Earth's carbon cycle is both a challenging intellectual problem and an urgent societal need. The impacts of human-caused changes in the global carbon cycle will be felt on the Earth for hundreds to thousands of years. Direct observations and process-based understanding of the global carbon cycle are needed to determine how the cycle is being modified, what the responses are to those modifications, and how best to develop sound climate change mitigation and adaptation strategies. Recognition of the need for better understanding and coordinated research on the global carbon cycle led to the development of the U.S. Carbon Cycle Science Plan about a decade ago (Sarmiento and Wofsy, 1999). Our reassessment of the U.S. carbon cycle science priorities described here was initiated by the U.S. Carbon Cycle Interagency Working Group (CCIWG) and Carbon Cycle Science Steering Group (CCSSG) in 2008 who formed the Carbon Cycle Science Working Group, consisting of members from the diverse research communities that have traditionally comprised the U.S. carbon cycle science program, along with members from research areas needed to expand the research effort.

In outlining a new research agenda for the next decade, our group chose to preserve the hierarchical structure adopted in the 1999 Carbon Cycle Science Plan. In Chapter 2, we provide a brief history of the 1999 Science Plan, progress made since that plan was prepared, and the context in which a new Plan has now been developed. We next articulate overriding questions that guided a new research agenda in Chapter 3. Within this agenda, we identify specific goals that define achievable objectives for the next decade and beyond (Chapter 4), and outline the primary research elements that we believe must be pursued to achieve the stated goals (Chapter 5). In Chapter 6, we characterize the complex interdisciplinary realm in which carbon-cycle science needs to be pursued, and the collaborations and cooperation necessary for success. Finally, in Chapter 7, we summarize our vision of the priorities for ongoing research and offer our recommendations for the scope and scale of needed research.

In this new Plan, we emphasize the long-lived, carbon-based greenhouse gases carbon dioxide and methane and the other major pools and fluxes of the global carbon cycle. Certain non-greenhouse-gases, including carbon monoxide (CO) and ratios of oxygen to nitrogen (O₂:N₂), provide important constraints on the global carbon cycle and are part of the plan in that context only. Throughout this document, we emphasized the importance of an integrated system to collect and maintain the essential data that drive scientific understanding.

To vet this **DRAFT** Plan across our science communities, we offer a public review period. All interested parties are encouraged to review the full Plan and provide input during this public review period, which closes **Tuesday, February 15, 2011**.

This updated announcement and a full DRAFT Plan (pdf) is available on the Ocean Carbon and Biogeochemistry front page at <http://www.us-ocb.org/>, and on the NACP website at http://www.nacarbon.org/nacp/announcements/CCSPlan_public_review_notice.htm.

The Carbon Planning web page and background documents are [here](http://www.carboncyclescience.gov/carbonplanning.php) (<http://www.carboncyclescience.gov/carbonplanning.php>).

Please send reviews / comments [here](mailto:ccsplan@gmail.com) (ccsplan@gmail.com).

We request that all reviewers state if they DO NOT want their reviews to be made publicly available and/or they DO NOT want their names associated with their reviews when they are posted publicly. Reviews will be posted.