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June 2009 U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS

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

July 2009

- 7-10: RAPID PI Meeting (Edinburgh, UK)
12-14: VOCALS Science Meeting (Seattle, WA)
15 – 17: US CLIVAR Summit (Annapolis, MD)
19 – 24: Joint IAMAS-IAPSO-IACS Assembly (Montreal)

August 2009

- 24-28: GEWEX Conference (Melbourne, Australia)
31 – Sept 4: World Climate Conference (Geneva, Switzerland)

Research Opportunities

1. NOAA Announcement of Opportunity for Climate Program Office

The NOAA Climate Program Office (CPO) is adopting a different procedure for soliciting proposals this year. Published on the CPO website (<http://www.cpo.noaa.gov/opportunities/>) are the program information sheets which outline the topics for which each program will be soliciting

proposals. While not required, **Letters of Intent will be accepted until June 12, 2009**. In early July, NOAA will publish the FY 2010 funding opportunity announcement, which will provide more details about the actual required proposal, including the due date.

One of the CPO Programs that will be soliciting grants for 2010 is the Sectoral Applications Research Program (SARP). SARP supports interdisciplinary projects on the effects and responses to climate variability and change within specific sectors of society through the establishment of sector-focused projects. Currently, SARP focuses on the Coastal and Water sector and is part of a consortium of several CPO programs supporting drought impacts research through the National Integrated Drought Information System (NIDIS), "Coping with Drought" effort.

In addition, as described in the SARP Information Sheet, SARP will begin to explore the possibility of expanding to include one or more new sectors (e.g. ecosystems, transportation, energy, agriculture, health,). For FY 2010, SARP is looking into will supporting initial efforts that investigate the societal need and readiness of other potential sectors that meet NOAA's climate mission, the priorities of the NOAA Climate Program Office, and the goals of NOAA's climate service efforts. Examples of activities that will be supported for this effort include scoping meetings and stakeholder requirement workshops.

Information specific to the 2010 SARP solicitation is available at the bottom of the page found on:

http://www.cpo.noaa.gov/index.jsp?pg=/opportunities/opp_index.jsp&opp=2010/program_elements.jsp.

Position Announcements

2. Assistant Professor / State Climatologist New Mexico State University

Application deadline: Tuesday, 30 June 2009

For further information, please search for position number 2008012742 at:

<http://hr.nmsu.edu/employment>

The Meteorology Department at New Mexico State University seeks applicants for Assistant Professor / State Climatologist. The position is a 12 month, non-tenure track position on the main campus of New Mexico State University in Las Cruces, New Mexico. Applicants must hold a PhD in meteorology, climatology, or a related field. The successful candidate will be able to write computer programs such as Frotran and Basic that support climatology or meteorology activities.

The successful candidate will conduct research on climate that impacts agriculture and water resources and will provide climatic information to researchers, extension faculty, agricultural producers, state, federal, and local agencies, and other interested parties. S/He will operate and maintain a remote weather station network consisting of 16 remote weather stations throughout the state. The Assistant Professor will also be tasked with maintaining and updating a climatic database, acquiring climatic data from external sources, maintaining a website to provide climate data and information pertinent to New Mexico, and teaching courses in meteorology and climatology.

To apply, please send a letter of interest, a CV or resume, unofficial transcripts, and three letters of reference to: Rolston St. Hilaire, Chair

c/o Esther Ramirez

Plant and Environmental Sciences

New Mexico State University

Box 30003 MSC 3Q
Las Cruces, NM 88003

Review of applications will begin on **Tuesday, 30 June 2009**, and will continue until the position is filled.

3. 2 Faculty Positions at Earth System Science Interdisciplinary Center of the University of Maryland, College Park

The first position is that of Full Professor pertaining to climate applications and decision support. Applications are solicited for the Director of the university's CIRUN (Climate Information: Responding to User Needs) initiative. Information on CIRUN may be found at <http://www.climateneeds.umd.edu/> and is one of the university's top priorities for transformational research across the whole of the campus.

The second position is expected to be filled at the Assistant/Associate Professor level, but applications from senior distinguished candidates will be considered as well, in the general areas of Land Surface Hydrology or Regional Climate Modeling.

Additional information can be obtained from Andrew J. Negri, ESSIC Assistant Director, anegri@essic.umd.edu

Meetings and Workshops

4. NASA's Earth Science Division 3 day symposium

NASA's Earth Science Division has planned a three-day symposium to examine our scientific accomplishments after twenty years of remote sensing of the Earth, while considering future plans and challenges for the next twenty years of Earth System Science at NASA.

Please participate in the symposium entitled, "NASA Earth System Science at 20: Accomplishments, Plans, and Challenges" to take place at the **National Academy of Sciences located at 2100 C St. N.W., Washington, D.C., USA) from 22-24 June 2009**. The National Academy of Sciences' Space Studies Board, Ocean Studies Board, and Board on Earth Sciences and Resources will co-host the event. The meeting has been organized by a planning committee from the science community with backgrounds that span the breadth of science and engineering that have been part of NASA Earth Science's history.

The Symposium will consider the National Research Council's roadmap for the next decade of Earth system science, the 2007 Decadal Survey "Earth Science and Applications from Space: A Community Assessment and Strategy for the Future," and the report "Earth Observations from Space: The First 50 Years of Scientific Achievement" and consider what we have learned, where do the foremost research challenges for the future lie and how well are we prepared to meet them.

5. Predicting the climate of the coming decades

January 11-15, 2010

Rosenstiel School of Marine and Atmospheric Sciences, Miami, FL

The goal of this workshop is to bring together people from different communities who have shared interests in predicting the climate of the coming decades. This will include researchers involved in developing prediction systems, understanding mechanisms of decadal and forced climate variability, and assessing the needs of potential users. Discussions will focus on bridging the gap between what is feasible from a technical and scientific perspective and the realities of what kind of information users need. Contact: Ben Kirtman (bkirtman@rsmas.miami.edu)

Limited travel resources are available.

Further details will be forthcoming, but please save the dates if you are interested.

**6. Decadal Variations of the Ocean's Interior Carbon Cycle: Synthesis and Vulnerabilities
CSF Symposium at the Monte Verita, Ascona, Switzerland July 13 - 17, 2009**

Registration closes on June 12, 2009.

People interested in attending the workshop should register at:

www.up.ethz.ch/news/csf_conference

**7. The Eighth Workshop on Decadal Climate Variability: Decadal Climate Predictability
and Prediction: Are We Ready?**

19-21/22 October, 2009 St. Michaels, Maryland

Major themes: “Decadal Climate Predictability and Prediction: Are We Ready?” will be the main theme of the Workshop, with two sub-themes.

Nowcasting: Is it possible to estimate the present state of major DCV phenomena? Why, which variables/quantities, and how? Are presently available observations sufficient for nowcasting? If not, which additional observations are required? What are the requirements on dynamical and statistical models, and data assimilation systems for nowcasting? What preparatory work is required to establish scientific credibility of nowcast information? How to design and implement an international decadal climate nowcasting effort?

Forecasting: What is the potential predictability of major DCV phenomena? What further scientific progress is necessary to realize and increase potential predictability? How to achieve the necessary progress? Are presently available observations sufficient for forecasting? If not, which additional observations are required? What are the requirements on dynamical and statistical models, and data assimilation systems for forecasting? What preparatory work is required to establish scientific credibility of forecast information? How to design and implement an international decadal climate forecasting effort?

The format of the Workshop will consist of invited talks and posters.

For further information: Vikram M. Mehta <vikram@crces.org>

**8. "The Ocean, the Wine and the Valley": An international symposium to honor the life and
work of Antoine Badan; November 16-18, 2009. Ensenada, B. C., Mexico**

Deadline is 31 August 2009, but abstracts due as soon as possible.

<http://eventos.cicese.mx/09/owv/ABSymposium2.pdf>

ANNOUNCEMENTS:

- **Presentations Now Available Online from: A Celebration of the International Polar Year 2007-2008**

The National Academy of Sciences together with the National Science Foundation held a celebration on 6 April 2009 to recognize the achievements of the International Polar Year 2007-2008 (IPY). The meeting included highlights of IPY projects, including such topics as climate change, sea ice stability, Antarctic ecosystems, and people in the Arctic.

Presentation videos detailing various aspects of IPY research are available at:

http://www.nsf.gov/news/news_summ.jsp?cntn_id=114688. IPY fieldwork, a two-year deployment of scientists from more than 60 nations into the polar regions, officially concluded on 1 March 2009. Science results from IPY-funded research can be expected

to be published for some time to come. For more information about the IPY, please go to: <http://www.ipy.org>.

- **Southern Ocean fieldwork map project**

The ICED programme (<http://www.iced.ac.uk>) is in the process of developing an interactive map in Google Earth to represent Southern Ocean ecosystem and related research (including physical and biogeochemical aspects). This will be valuable for multidisciplinary coordination and planning of field activities on a circumpolar scale. The map will enable information to be brought together and visualised in an accessible way for coordinating and planning future Southern Ocean fieldwork.

Information is being gathered from all nations carrying out ecosystem and related field work in the Southern Ocean. The current (pilot) version that you can view from our website presents information on International Polar Year "ICED-IPY" projects and fieldwork related to the Southern Ocean Observing System project - It can be viewed here: http://www.iced.ac.uk/ICED_fieldwork.kml

If you are involved in a relevant project which is not currently represented on the map we would like to invite you to complete the following data entry form:

<http://spreadsheets.google.com/viewform?key=pqjRViu6b4eVZMm0D9USKBw&email=true>. This form will allow details about your project to be displayed on the map.

Please note that your contribution will not appear on the map immediately, there is a time delay as the spreadsheet updates itself. But please let us know if your contribution does not appear on the map within 24 hours.

- Cruise tracks will be included where they are available. Please email if you have such details for your project, or if you are aware of any projects (IPY or non-IPY) that should be included, please contact Philip Martin; Email: iced@bas.ac.uk; Telephone: 01223 221385; <http://www.iced.ac.uk>

- **National Academy of Sciences Latest Publications**

<http://click.newsletters.nas.edu/?ju=fe5f13717c67067a7517&ls=fd1107075600d7473167572&m=fe5fc1276756205&l=fea216717567067974&s=fe2d167575670278721476&jb=fcf14&t=>>

- **The North American Regional Climate Change Assessment Program (NARCCAP) data**

The North American Regional Climate Change Assessment Program (NARCCAP) is developing high-resolution (50 km) simulations over most of North America by nesting 6 different regional climate models within four different global climate models. Over 60 Tb of data are being produced and are being made available to the climate science and impacts communities. To become a user of NARCCAP data visit our web site <http://www.narccap.ucar.edu> Several of the climate change simulations are now available.