

Please forward to interested colleagues. If you do not wish to receive further newsgroups, please send a message to Cathy Stephens in the US CLIVAR Office (cstephens@usclivar.org)

May 2009 U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS

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

June 2009

2-5: CLIVAR VAMOS Meeting (Puerto Rico)
15-19: CLIVAR Global Synthesis and Observations Panel Meeting
15-18: CCSM Annual Meeting (Breckenridge, CO)
22-24: NASA Earth System Science at 20 Symposium (Washington, DC)

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)

Research Opportunities

1. Special Call for Proposals for a Focused Activity: Scientific Capacity Building for Climate Impact and Vulnerability Assessments

The APN Secretariat would like to announce the Launch of its Special Call for Proposals for a Focused Activity: Scientific Capacity Building for Climate Impact and Vulnerability

Assessments. Expression of interest must be submitted to Dr. Linda Anne Stevenson (l Stevenson@apn-gcr.org) by **Friday, 5th June 2009**. For more information, please visit this link: <http://www.apn-gcr.org/en/callforproposals/SpecialCall.html>.

Position Announcements

2. Job Opening for Chief, Hydrospheric and Biospheric Laboratory

Goddard Space Flight Center, NASA's lead center for Earth Science, located in Greenbelt, Maryland, solicits applications for the position of Chief of the Hydrospheric and Biospheric Sciences Laboratory. The Laboratory is part of the Earth Sciences Division in the Sciences and Exploration Directorate, and its mission is to conceive, develop, and implement space-based observations in order to explore and understand the Earth's hydrosphere and biosphere, and the linkages between the oceans, land, atmosphere, and life on Earth. The Laboratory Chief is responsible for all activities within the Laboratory.

For more information regarding this position:

http://earthsciences.gsfc.nasa.gov/special_labchief.htm

3. Research Scientists for Pacific Climate Change Science Program (PCCSP)

Australia has just announced a new \$20m Pacific Climate Change Science Program (PCCSP). It would be appreciated if you could post or distribute the attached document describing numerous career opportunities for research scientists and others. Applications should be made online at

<http://www.cawcr.gov.au/jobs/PCCSP.php>

Further details are also provided at this web-address. Applications close May 1 for research positions

4. Texas A&M University tenure-track Assistant or Associate Professor of Oceanography

The Department of Physical and Environmental Sciences in the College of Science and Technology, Texas A&M University-Corpus Christi, invites applications for a tenure-track Assistant or Associate Professor of Oceanography.

See: <http://www.sci.tamucc.edu/stweb/openpositions/oceanography.html>

Meetings and Workshops

5. 2010 Ocean Sciences Meeting - Call for Sessions

"From Observation to Prediction in the 21st Century" is the theme for the 2010 Ocean Sciences Meeting which will be held February 22-26, 2010 in Portland Oregon.

The Call for Sessions has just been posted - submissions are due May 29, 2009. For more information, visit <http://www.agu.org/meetings/os10/>.

6. 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 we learned, where do the foremost research challenges for the future lie and how well are we prepared to meet them.

7. EARTH-SYSTEM INITIALIZATION for DECADAL PREDICTIONS Workshop 4-6 November, Utrecht, the Netherlands

Designing mitigation and adaptation strategies to respond to the consequences of global climate are some of the world's greatest challenges. The decision support that is essential to meet this challenge requires high-resolution regional climate predictions over the next 10 to 30 years. In the next decades, climate changes due to natural causes and anthropogenic activities are expected to have similar amplitude. There is a commitment to climate change due to the increase in emissions of greenhouse gasses and the related radiative forcing that we have already made and that needs to be quantified with initialized climate change projections. Natural variability may strengthen or damp the climate response due to anthropogenic activities and these potential impacts need to be accurately quantified. Aspects of the natural climate variability may be predictable on decadal time scales. The advance of the earth system observation network, the ARGO in situ ocean measurements in particular, the increased knowledge on decadal modes of variability and the improvement of earth system models has led to numerical experimentation on decadal predictions. Recent studies have shown that predictability can be obtained in complex numerical climate models, based on the long-term memory that resides in the ocean. The World Climate Research Program has realized the potential of decadal predictions. In the next Coordinated Model Intercomparison Project (CMIP5), which will feed into the IPCC 5th Assessment, a protocol has been set up to provide decadal predictions. It is expected that the ensemble of decadal predictions will be used in the process to develop adaptation strategies, as many investments on infrastructure and in industry are paid of in decades. In this workshop we will make an inventory of best practices and discuss the scientific aspects of generating decadal predictions. This will lead to future directions of initialization of earth system models. The initialization procedure is essential for prediction experiments. There is ample experience in weather and seasonal prediction, but decadal predictions pose new challenges. In this workshop we will address this.

The main goal:

The workshop aims to Exchange best practices and provide future directions for earth-system initialization for decadal predictions

Format and Registration:

The workshop will be limited to 60 persons of which 30 will be invited. If needed, a selection of interested participants will be made by the Program Committee. In plenary presentations and working groups, best practices and future directions will be discussed. More details on the workshop will be available at the following website: <http://www.knmi.nl/samenw/easyinit.html>

ANNOUNCEMENTS:

- **Report of the 12th Meeting of the Working Group on Seasonal to Interannual Prediction**

The report of the meeting is available to download at: <http://eprints.soton.ac.uk/65924> or from the web site <http://www.clivar.org/>

- **New Journal: Climatic Change Letters**

This new journal section will be published in both electronic and hardcopy versions. Submissions are now being received (see http://www.springer.com/cda/content/document/cda_downloaddocument/V8487_CCL_FL_lowres.pdf?SGWID=0-0-45-701698-0).

Climatic Change Letters is a rapid publication vehicle for brief articles (about four journal pages). We are aiming for a submission-to-publication time of 4 months. The new journal's substantive range will be similar to Climatic Change. Criteria for reviewing submissions will be similar but with the additional criterion of urgency of publication as measured by the article's likely immediate influence in the context of ongoing research or assessment by others, or its potential to stimulate important new fields of research, such that the normal publication times associated with Climatic Change might delay significant advances.

Please consider submitting appropriate manuscripts based on your research to Climatic Change Letters, and to "spread the word" about the availability of this new resource for the community. Further details are available at <http://www.springer.com/earth+sciences/meteorology?SGWID=0-10009-12-565099-0>.