

June 2007
U.S. CLIVAR News-gram

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CALENDAR of UPCOMING EVENTS (for more information - www.usclivar.org/calendar.html)

June 2007:

4-8: WCRP Workshop on Seasonal Prediction (Barcelona, Spain)
5-7: NOAA Ocean Climate Office Annual Review (Silver Spring, MD)
18-21: 12th Annual Community Climate System Model (CCSM) Meeting (Breckenridge, CO)

July 2007:

2-13: IUGG (Perugia, Italy)
23-25: U.S. CLIVAR Summit (Annapolis, MD)
23-Aug 10: Application of Remotely Sensed Observations in Data Assimilation (College Park, MD)

August 2007:

20-24: AMS Air-Sea Interaction Conference (Portland, Oregon)
23-24: U.S. CLIVAR Western Boundary Current Working Group Meeting (Portland, Oregon)
27-31: 2nd Earth System Modeling Conference (Hamburg)

Scientific Opportunities

1. NSF Cyber-infrastructure Training, Education, Advancement, and Mentoring for Our 21st Century Workforce

Proposal Deadline: Monday, 27 August 2007

For more information, including complete solicitation, please go to:
<http://www.nsf.gov/pubs/2007/nsf07564/nsf07564.htm>

The CI-TEAM program supports projects that position the national science and engineering community to engage in integrated research and education activities promoting, leveraging and utilizing cyberinfrastructure systems, tools and services.

This solicitation seeks two types of project proposals, both aimed at the preparation of a diverse, cyberinfrastructure-savvy science and engineering workforce. One type of proposal, the Demonstration Project, is exploratory in nature and may be somewhat limited in scope and scale. Demonstration Projects have the potential to serve as exemplars to effective larger-scale implementation activities in the future. The other project type, the Implementation Project, is generally larger in scope or scale and draws on prior experience with the activities or the teams proposed. Implementation Projects are expected to deliver sustainable learning and workforce development activities that complement ongoing NSF investment in cyberinfrastructure.

Following merit review of the proposals received, the National Science Foundation (NSF) expects to select for support 12 to 15 Demonstration Projects at up to \$250,000 total each and 7 to 12 Implementation Projects at up to \$1,000,000 total each that together constitute a rich portfolio of cyberinfrastructure-related workforce development activities.

2. The Monsoon System: Prediction of Change and Variability

The global change System for Analysis, Research and Training (START) and the Asia-Pacific Network for Global Change Research (APN) is inviting applications to the Institute on "The Monsoon System: Prediction of Change and Variability" to be held at the East-West Center and the University of Hawaii in Honolulu, Hawaii, from 2-12 January 2008. Application deadline will be on **1 August 2007**.

For details, please find the Announcement check it out under the "What's New" section in the APN homepage (<http://www.apn-gcr.org/en/indexe.html>).

Eligibility

This institute is open to young scientists and professionals 35 years of age or younger or no more than 5 years past receipt of doctoral degree. Applicants should have a background in climatology or meteorology, preferably at the postgraduate level and may be affiliated with universities, research institutes, or government agencies. Applications are encouraged from developing countries within the region.

Applicants must be a citizen of a member or approved country of the Asia Pacific Network for Global Change Research (APN).

3. Call for Papers: American Meteorological Society's (AMS) 88th Annual Conference 20-24 January 2008 New Orleans, Louisiana

The formal AMS call for abstracts can be found at <http://ametsoc.org/meet/annual/>
Please note that the deadline for submitting abstracts for consideration for AMS-88 is 01-August-2007. Submit your abstracts through the AMS web page above.

4. Call for Entries: 2007 Science and Engineering Visualization Challenge Entry Submission Deadline: Thursday, 31 May 2007

For further information, please go to: http://www.nsf.gov/news/special_reports/scivis/

Entries are now being accepted for the 2007 Science and Engineering Visualization Challenge, an annual competition featuring photographs, illustrations, graphics, and other images that demonstrate the power of visual communication to explain, explore, and extend our knowledge of the world around us. In an increasingly graphics-oriented culture, these images provide for the general public an immediate and influential connection to science. The challenge is sponsored by the National Science Foundation and the journal Science.

Awards will be made in the following categories: illustration, photography, informational graphics, interactive media, and non-interactive media. Entries must be received by Thursday, 31 May 2007. Winning entries will be published in a special section of an issue of the journal Science (with one winning entry featured on the cover), on Science Online, and on the NSF website.

Announcements:

- **Ocean Observing Contracts Awarded to University of California, San Diego and University of Washington**
Joint Oceanographic Institutions (JOI), a consortium of leading U.S. oceanographic research institutions, has awarded multimillion dollar contracts to the University of California, San Diego (UCSD) and the University of Washington (UW) to support the development and

operations for the Ocean Observatories Initiative (OOI). The OOI is a U.S. National Science Foundation investment to advance scientific understanding of the oceans, transforming research by establishing a network of interactive, globally distributed sensors in the ocean.

JOI President Steve Bohlen said, "Today is an exciting day for ocean science. Awarding these contracts marks the first step in transforming the way ocean science is conducted. Rather than relying on limited expeditions from ships to gather data, observatories in the ocean will allow us to access data from our labs and desktops. Through the OOI, real-time data will be made available to scientists, citizens, teachers, and schoolchildren across the country."

With National Science Foundation support, identified in the agency's FY2007 and FY2008 budget, the OOI will construct a networked infrastructure of science-driven sensor systems to measure the physical, chemical, geological and biological variables in the ocean and seafloor. The transformative OOI will provide continuous, interactive access to the ocean for the oceanographic research and education communities. The OOI's observatory elements will address science questions on coastal, regional, and global scales, linked by a common instrument, infrastructure, and information management system.

- **Oregon State University and the National Park service announce the public release of digital maps products for 1971-2000**

Oregon State University's PRISM Group (formerly the Spatial Climate Analysis Service; SCAS), in collaboration with the National Park Service (NPS), Inventory and Monitoring Program; is pleased to announce the completion and public release of digital maps products for 1971-2000 mean monthly and annual: minimum and maximum temperature, mean dew point, and total precipitation. These products encompass the following regions:

- o Hawaiian Islands (from Niihau in the northwest to Hawaii in the southeast),
- o Guam,
- o Northern Mariana Islands (Saipan, Tinian, and Rota),
- o Palau,
- o American Samoa (Tutuila and the Manua Islands), and
- o Federated States of Micronesia (Kosrae and Pohnpei).

To obtain complete data sets, visit one of the websites listed below (they provide identical versions of these products using different interfaces).

<http://mistral.oce.orst.edu/www/mapserv/pacisl>

<http://www.ocs.orst.edu/prism/products/pacisl.phtml>

<http://science.nature.nps.gov/im/units/pacn/inventories/climate.cfm>

These products are available without charge. Both the Oregon State University PRISM Group and National Park Service however, have applicable terms of use (disclaimers): <http://www.ocs.orst.edu/prism/terms.phtml> and <http://www.nps.gov/gis/liability.htm>.

Gridded and polygon data, tabular and graphical data retrieved from the map server, and all other data may be freely reproduced and distributed for non-commercial purposes. When referring to the data, the source should be clearly stated, and include at a minimum, name, URL, and date of data creation, for example:

"PRISM Group, Oregon State University and Pacific Island Network,
Inventory and Monitoring Program, National Park Service;
<http://www.ocs.orst.edu/prism/products/pacisl.phtml>, created 1 Dec. 2006".

If you have additional questions or comments, please contact:
Dr. Christopher Daly or Fritz Klasner
daly@coas.oregonstate.edu fritz_klasner@nps.gov 1+541-737-2531 1+808-985-6181

Positions Available

5. Program Director, Antarctic Ocean and Atmospheric Sciences Program National Science Foundation (NSF)

Application Deadline: Wednesday, 20 June 2007

For further information, please refer to announcements E20070082 and e20070083 on NSF's Division of Human Resource Management website at: http://www.nsf.gov/about/career_opps/

The Division of Antarctic Sciences in the Office of Polar Programs at the National Science Foundation seeks an outstanding scientist for the position of Program Director, Antarctic Ocean and Atmospheric Sciences Program. The Program Director will lead, develop, and manage a world-class, proposal-driven research program across the broad range of sub-fields of Antarctic Ocean, atmospheric, and climate sciences. The incumbent will be responsible for proposal evaluation, project development and support, program planning, and related administrative duties.

Applicants must have an earned PhD or equivalent experience in ocean, atmospheric, or climate sciences, preferably with knowledge of Antarctic or polar sciences. In addition, six years of successful research or related experiences beyond the PhD are required. Deployment to the Antarctic is required. Consequently, applicants must be able to pass a comprehensive medical and dental examination to qualify for travel to the Antarctic.

6. Tenured Positions at Climate Change Research Centre, University of New South Wales, Sydney, Australia

Applicants are sought with expertise in any relevant field of climate sciences; including atmospheric sciences, terrestrial processes, oceanography, coupled climate modelling, and climate impacts. All appointments will involve very limited undergraduate teaching during the first 5 years to enable the successful candidates to develop a vigorous research program in their area of expertise.

Professor / A/Professor of Climate Science (2 positions)
<http://www.hr.unsw.edu.au/services/recruitment/jobs/25050704.html>

Lecturer/ Senior Lecturer (Climate Science)
<http://www.hr.unsw.edu.au/services/recruitment/jobs/25050707.html>

Lecturer / Senior Lecturer (Terrestrial Processes)
<http://www.hr.unsw.edu.au/services/recruitment/jobs/25050708.html>

Administrative Assistant (Climate Change Research Centre)
<http://www.hr.unsw.edu.au/services/recruitment/jobs/25050722.html>

Meetings and Workshops

7. IMBER/GODAE workshop 12-13 July 2007, Paris, France

The goals of the workshop are to review the present biogeochemistry and ecosystem development within GODAE systems and related issues; identify common interests between IMBER and GODAE; evaluate real time datasets and assimilation schemes required for biogeochemistry and ecosystem applications; and provide a report to IMBER and GODAE useful for further actions.

The IMBER Data Management Committee Meeting will be held in Victoria (Canada), 10-11 June 2007.

The next IMBER Scientific Steering Committee (SSC) Meeting will be held in Victoria (Canada), 12-14 June 2007.

8. IODP Topical Symposium: North Atlantic and Arctic Climate Variability August 15-16, 2007 Bremen, Germany REGISTRATION NOW OPEN

<http://www.iodp.org/topical-symposium>

The Integrated Ocean Drilling Program Management International will convene a topical symposium in 2007 on the topic of "North Atlantic and Arctic Climate Variability", to provide researchers the opportunity to convene and discuss the current state of affairs in this important oceanographic setting.

The topical symposium will include 15 keynote lectures by scientific leaders on the topic of North Atlantic and Arctic Climate Variability. All topical symposium participants are encouraged to contribute to the symposium by bringing a poster. The lectures and posters will be organized within four main topics:

Millennial-Scale Climate Dynamics;
Milankovitch Scale Climate Variability;
Evolution of Northern Hemisphere Glaciation; and Extreme Warm Events.

The topical symposium will be held in Bremen, Germany, August 15-16, 2007. Rooms have been reserved at special rates for symposium attendees and can be reserved through the IODP-MI online registration form (<http://www.iodp.org/topical-symposium>). There is a registration fee of \$50.00 for professional registrants and \$10.00 for student registrants. Funding is available to help

offset the costs of students and post-doctoral researchers who would like to attend the symposium. Contact Kelly Kryc (kkryc@iodp.org) at IODP-MI for more information.

9. Impacts of Extreme Weather and Climate Events on Socio-Economic Development in Africa Federal University of Technology Akure, Nigeria, on 11th -15th November 2007

Papers (oral and poster) can be submitted in any areas of the following sub-themes

The impacts of extreme weather and climate on agriculture
The impacts of extreme weather and climate on water resources
The impacts of extreme weather and climate on health and healthcare delivery
The impacts of extreme weather and climate on urban planning and tourism
The impacts of extreme weather and climate in transportation (aviation, land and sea)
The effects of extreme weather effects on socio-economic development in Africa
Mitigation and adaptive strategies against extreme weather and climate events

Abstracts can be submitted on: http://www.nmets.org/conference/abstract_form.htm

Deadlines

Deadline for submission of Abstract 30th June, 2007

Notification to authors of Accepted abstract 20 July, 2007

Deadline for submission of extended abstract 31st August, 2007

Information to authors of full paper for proceedings 30 September 2007

For details see: <http://www.nmets.org/conference/index.html>

10. CAHMDA-III Data Assimilation Workshop Melbourne Australia January 9-11, 2008

This workshop is a follow on to the 2001 workshop held at Wageningen University and the 2004 workshop held at Princeton University.

The workshop will follow a similar format to the earlier workshops, with an emphasis on a limited number of key-note speakers, posters, and substantial discussion. Information regarding the workshop, registration and abstract submission is available in the attached circular and at <http://www.cahmda3.info>

Dates to keep in mind:

Submission of Abstracts: July 1, 2007

Notification of Acceptance: August 1, 2007 Registration: September 1, 2007

PLEASE NOTE THAT THE WORKSHOP SIZE IS STRICTLY LIMITED, SO EARLY REGISTRATION IS ADVISED.

11. 3rd WCRP International Conference on Reanalysis Tokyo, Japan from 28th January to 1st February 2008

Call for papers is available from JRA-25 official web page: http://jra.kishou.go.jp/3rac_en.html
http://jra.kishou.go.jp/references/3rac_1st_announcement.pdf

The first WCRP reanalysis conference was held in 1997, at NOAA in the USA, and the second in 1999, in Reading UK. In the 8 years since then, advanced data from the ERA-40 and JRA-25 reanalyses have become available and reanalysis data are now used worldwide as an essential standard data for climate research activities.

The conference will focus on the following aspects.

- Introduction of reanalyses
- Applications using reanalysis data
- Comparison and validation of characteristics of each reanalysis - Data assimilation technique for reanalysis - Strategy and international cooperation for future reanalysis

The conference will consider not only global atmospheric reanalysis but also ocean and land reanalysis, mainly from the viewpoint of interaction with the atmosphere.

Deadline for submission is 31 July.

12. NSF Facilities User Workshop Boulder, CO from 24-26 September 2007

Jointly hosted by NCAR/EOL, CSU, the University of Wyoming and NSF, the intent of the workshop is to bring together current and future users of NSF's Lower Atmospheric Observing Facilities, students, funding partners and instrument developers in an effort to strengthen community ties. More detailed information will be provided in very near future.

13. DISCCRS III Symposium 8-15 September, 2007: Hawaii Island

Interdisciplinary initiative for recent Ph.D. graduates dealing with Climate Change and its Impacts. <http://discrs.org/>

14. 4D-Var and Ensemble Kalman Filter Intercomparisons Buenos Aires, Argentina, on 10-13 November 2008

The initial announcement and information is posted at <http://4dvarenkf.cima.fcen.uba.ar/>

Product and Report Announcements:

- **CCSP Synthesis and Assessment Product 3.1, "Climate Models: An Assessment of Strengths and Limitations for User Applications"**
You are invited to provide comments on Draft Report of CCSP Synthesis and Assessment Product 3.1, "Climate Models: An Assessment of Strengths and Limitations for User Applications"

This report is one of 21 synthesis and assessment products being prepared by the U.S. Climate Change Science Program (CCSP).

<<http://climatescience.gov/Library/sap/sap3-1/public-review-draft/sap3-1draft-invite.htm>>DATES: Comments must be received by COB Friday 6 July 2007.

ADDRESSES: The Draft Report is posted on the CCSP web site at:
<http://www.climatescience.gov/Library/sap/sap3-1/public-review-draft/default.htm>

COMMENTS: Detailed instructions, including formatting and submitting comments is posted on the CCSP web site at: <http://climatescience.gov/Library/sap/sap3-1/public-review-draft/sap3-1draft-instructions.htm>

- **IPCC Chapter Release**

The final checks and layout corrections to the SPM, TS and Chapters are now complete. As a result the final versions of the Preface, SPM, TS, all Chapters, and Annexes (Glossary, List of authors, List of reviewers, List of acronyms) are publicly available from the WG1 home page (<http://ipcc-wg1.ucar.edu/>) today. The supplementary material (for those chapters that have it) is nearly complete and will be added shortly.

The public is welcome to use and now distribute any of this material.

- **PO.DAAC Event Tracker is now available**

Version 1.0 of the PO.DAAC Event Tracker is now available at <http://podaac.jpl.nasa.gov/hurricanes/>. This tool provides subsets of PO.DAAC data holdings chopped around major oceanographic events such as hurricanes and typhoons. The types of data that the Event Tracker currently provides are:

- 1) Near-real-time ultra-high-resolution wind and sigma0 data from SeaWinds on QuikSCAT
- 2) Scientific wind and sigma0 data from SeaWinds on QuikSCAT
- 3) Level 4 interpolated daily sea surface temperature data from UKMO's OSTIA and NCDC's AVHRR and AVHRR+AMSR-E products, all received via the GHRSSST project

The Event Tracker will hold the entire QuikSCAT time series (#2) shortly. In addition, future versions of this tool will include altimetry data from Jason-1.