

July 2007
U.S. CLIVAR News-gram

Table of Contents

i – Calendar of Upcoming Events

Scientific Opportunities

1. NOAA Climate Program Office Announcement of Opportunity
2. National Science Foundation Solicitation Released Community-based Data Interoperability Networks (INTEROP)
3. Asia-Pacific Network for Global Change Research 2007 Call for Proposals

Positions Available

4. NOAA/Atlantic Oceanographic and Meteorological Laboratory Physical Oceanographer position
5. Director, Byrd Polar Research Center

Meetings and Workshops

6. Workshop on Detecting the Atmospheric Response to the Changing Face of the Earth: A Focus on Human-Caused Regional Climate Forcings, Land-Cover/Land-Use Change, and Data Monitoring
7. Workshop on Numerical Methods in Ocean Models
8. Fourth Symposium on Southwest Hydrometeorology
9. The Monsoon System: Prediction of Change and Variability

Product and Report Announcements:

- Monsoon Calendar online
- CERES Cloud and Radiation data released

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

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)
23-24: Workshop on Numerical Methods in Ocean Models (Bergen, Norway)
27-31: 2nd Earth System Modeling Conference (Hamburg)

September 2007:

- 11-14: CLIVAR Scientific Steering Group -15 (Geneva, Switzerland)
20-21: Fourth Symposium on Southwest Hydrometeorology (Tucson, Arizona)
24-25: GSOP Synthesis and Evaluation Workshop (Cambridge, Massachusetts)
24-28: AMS/EUMETSAT Conference on Satellite Meteorology and Oceanography (Amsterdam)
-

Scientific Opportunities

1. NOAA Climate Program Office Announcement of Opportunity

The NOAA Climate Program Office announces new grant opportunities for FY08. Visit the website for additional information. <http://www.climate.noaa.gov/opportunities/>

Letters of intent due 20 July 2007

Full proposal date is 21 September 2007

2. National Science Foundation Solicitation Released Community-based Data Interoperability Networks (INTEROP)

The National Science Foundation (NSF) announces the solicitation "Community-based Data Interoperability Networks (INTEROP)" (NSF 07-565).

Synopsis of Program:

Digital data are increasingly both the products of research and the starting point for new research and education activities. The ability to re-purpose data - to use it in innovative ways and combinations not envisioned by those who created the data - requires that it be possible to find and understand data of many types and from many sources. Interoperability (the ability of two or more systems or components to exchange information and to use the information that has been exchanged) is fundamental to meeting this requirement. This NSF crosscutting program supports community efforts to provide for broad interoperability through the development of mechanisms such as robust data and metadata conventions, ontologies, and taxonomies. Support is provided for Data Interoperability Networks that will be responsible for consensus-building activities and for providing the expertise necessary to turn the consensus into technical standards with associated implementation tools and resources. Examples of the former are community workshops, web resources such as community interaction sites, and task groups. Examples of the latter are information sciences, software development, and ontology and taxonomy design and implementation.

The full text of the solicitation (NSF 07-565), including names and contact information for all cognizant NSF program officers, is available at:

<http://www.nsf.gov/pubs/2007/nsf07565/nsf07565.htm>

3. Asia-Pacific Network for Global Change Research 2007 Call for Proposals

The Asia-Pacific Network for Global Change Research has announced its 2007 Call for Proposals under the ARCP Programme for Regional Global Change Research and the CAPaBLE Programme for Capacity Development. Funding under these programmes begins in April 2008 and will provide a limited amount of financial support for research and capacity development activities.

Details for submitting materials can be found at:

<http://www.apn-gcr.org/en/callforproposals/cfp07.htm>

APN is implementing a more streamlined process for the calls for proposals this year. There are three relevant deadline dates for potential applicants:

1. A voluntary **Letter of Intent** is due by 04 July 2007. It is recommended that a copy of the Letter of Intent be sent to the national Focal Point (nFP) and the Scientific Planning Group (SPG) member for your country. Details can be found at:

<http://www.apn-gcr.org/en/aboutapn/whoswho/fp.html>

2. A compulsory **Summary Proposal** (with copies to the appropriate nFP and SPG member) is due 22 August 2007.

3. For those proponents who receive an invitation to proceed, the **Full Proposal** is due 31 October 2007.

Positions Available

4. NOAA/Atlantic Oceanographic and Meteorological Laboratory Physical Oceanographer position

ZP-IV or ZP-V (GS 13-15 equivalent)

The Physical Oceanography Division (PhOD) of NOAA's Atlantic Oceanographic and Meteorological Laboratory (AOML) is seeking a researcher with expertise in physical oceanography and the ocean's role in climate variations. The successful applicant will have significant research publications in the refereed literature, a history of success in obtaining funding and conducting research projects, the ability to organize and to promote research projects, and international recognition as a leading scientist in the fields of oceanography or climate research. This position will be filled at the ZP-IV or ZP-V level (GS 13-15 equivalent) depending on experience and credentials.

NOAA/AOML is part of the US Department of Commerce and is located in Miami, Florida. AOML's mission is to conduct basic and applied research in oceanography, tropical meteorology, and atmospheric and oceanic chemistry. This research seeks to understand the physical characteristics and processes of the ocean and the atmosphere, both separately and as a coupled system. The research emphasis of PhOD is collection of in-situ data and the use of these data and numerical model results to increase understanding of a wide variety of ocean and climate processes, with the ultimate goal of developing climate forecast capabilities.

For more information, contact Cynthia Wilder, cynthia.wilder@noaa.gov, or visit the web site <http://www.usajobs.opm.gov/> reference Announcement Numbers OAR-AOML-2007-0011 and OAR-AOML-2007-0013.

5. Director, Byrd Polar Research Center

The Byrd Polar Research Center (BPRC), with 47 years of research excellence with an international reputation as a premier polar, alpine, and global environment research center, seeks a dynamic and accomplished new Director. BPRC's mission is to conduct exceptional multi-disciplinary research in Polar processes, Earth System Sciences, Global Climate Change, and Environmental Engineering.

The new Director will lead BPRC in pursuit of excellence in existing research programs and increase its national and international recognition in the areas of understanding climate variability, detecting and interpreting changes in modern physical and biological systems, and predicting future environmental changes and their consequences for society. The Director will provide a vision for growth of BPRC and a further broadening of its research focus to enhance its global perspective.

To apply, send a curriculum vitae, a statement of research interest, a description of relevant management experience, and the names of three references to Professor David Bromwich, Chair, Search Committee for BPRC Director, Office of Research, The Ohio State University, 208 Bricker Hall, 190 N. Oval Mall, Columbus, OH 43210 USA. The Search Committee will begin reviewing applications immediately and continue until a suitable candidate is found.

The Ohio State University is an equal opportunity/affirmative action employer. Women and minorities are strongly encouraged to apply.

Meetings and Workshops

6. Workshop on Detecting the Atmospheric Response to the Changing Face of the Earth: A Focus on Human-Caused Regional Climate Forcings, Land-Cover/Land-Use Change, and Data Monitoring
August 27-29, 2007 Boulder, Colorado

The workshop will have several sessions on:

- 1) Observations of land-surface/ecosystem function changes and their interactions with weather and climate
- 2) Modeling effects of land-use/land-cover change and ecological processes on weather and climate
- 3) Monitoring and quantifying land-use/land-cover change and ecological processes and their impacts on observational data including multi-decadal surface air temperature trends and associated biases.

A breakout session and recommendations will be formulated at the end of workshop. Detailed Information regarding background of workshop, registration, lodging, and other pertinent information can be found in the following URL:
http://www.joss.ucar.edu/joss_psg/meetings/Meetings_2007/Detecting/Index.html

Some funding for graduate student travel is also available.

7. Workshop on Numerical Methods in Ocean Models
August 23-24, 2007 in Bergen, Norway

The workshop is co-sponsored by leaders of the Layered Ocean Model (LOM) Community as well as the International CLIVAR Working Group for Ocean Model Development (WGOMD).

The purpose of this workshop is to bring together scientists and engineers active in the field of ocean model development. Participants will discuss and debate avenues toward the creation of leading edge ocean models for use in regional and global applications. The workshop emphasis is on fundamentals of design and methods, rather than applications. This workshop will allow participants to educate one another on the latest advances in ocean model development.

Please visit the Workshop webpage for more information:
http://www.clivar.org/organization/wgomd/nmw/main_nmw.html

8. Fourth Symposium on Southwest Hydrometeorology
20-21 September 2007 Tucson, Arizona

Purpose. The Fourth Symposium on Southwest Hydrometeorology will provide a forum to discuss and present research issues associated with mid-latitude, subtropical, and tropical weather systems that affect the Southwest United States, and to discuss the impact of these systems on hydrologic systems. Since the Third Symposium in 2002, there have been considerable advances in both hydrologic and meteorological science; these advances have created a foundation for a much closer relationship between these disciplines. Extensive, ongoing research is underway through the North American Monsoon Experiment. Deterministic, ensemble and probabilistic forecasting has advanced. Close working relationships across academic, government and private sectors have opened new areas of investigation to address questions on how to add value to both weather and water forecasts. This symposium seeks to strengthen these relationships and continue to advance our understanding of the complex weather and hydrologic forecast issues in the Southwest U.S.

Topics. The wide range of bioclimatic zones in the region (e.g., deserts, savannah, alpine) and hydrometeorological phenomena (e.g., flash floods, drought, convective thunderstorms, tropical storms, teleconnections) demands a wide range of symposium topics. Session topics will include:

- Hydrometeorology integration
- Climate science and annual prediction
- Monsoon forecasting

- Extreme water and weather events in the Southwest U.S.
- Ensemble and probabilistic forecasting
- Quantitative precipitation estimation (QPE)

Presentations. The two-day symposium will include both oral and poster presentations. Presentations from undergraduates and graduate students are highly desired and welcome. Abstracts should be submitted electronically no later than 15 Jul 2007. If you plan to attend, please provide your contact information and talk title, using the form at: <http://www.atmo.arizona.edu/swhs/SWHSFormSub.html>.

Registration. If you plan to attend, please provide your contact information (and talk title), using the form at: <http://www.atmo.arizona.edu/swhs/SWHSFormSub.html>.

Cost. The conference fee is only \$25 which will be collected at the conference itself. We will not be able to process credit cards.

9. The Monsoon System: Prediction of Change and Variability 2-12 January 2008 Honolulu, Hawaii

The global change SysTEm for Analysis, Research and Training (START) and the Asia Pacific Network for Global Change Research (APN) invite 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 at Manoa in Honolulu, Hawaii.

This institute is co-sponsored by the Asia Pacific Network for Global Change Research (APN), the International Pacific Research Center (IPRC), University of Hawaii, the East West Center, and START and contributes to the Climate Variability and Predictability (CLIVAR) project of World Climate Research Program (WCRP) and Monsoon Asia Integrated Regional Study (MAIRS).

Application Deadline

The deadline for receipt of applications is 1 August 2007.

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).

Complete announcement and application download may be found on the START webpage: <http://www.start.org/curfinopp.html>

Product and Report Announcements:

- **Monsoon calendar online**

In order to help WCRP to develop a sort of clearing house for monsoon information, a web-based monsoon calendar has been developed at the following address:

<http://iprc.soest.hawaii.edu/meetings/monsooncal.html>

Several announcements on the monsoon-related conferences have been posted. For detailed information please visit this webpage.

If you need to announce any monsoon-related meetings in the future, you are welcome to send your announcement to the following email address: monsoon-calendar@hawaii.edu and the information will be added. Please make sure to include the following pieces of information about your meeting announcement: title, time, place, contact person/email address, and website which has detailed information about your meeting.

- **Cloud and Radiation Data Released**

The Atmospheric Science Data Center (ASDC) at NASA Langley Research Center in collaboration with the CERES Science Team announces the release of the following data sets:

Clouds and Radiative Swath (CRS):

CER_CRS_Aqua-FM3-MODIS_Edition2A

CER_CRS_Aqua-FM4-MODIS_Edition2A

Monthly Gridded Radiative Fluxes and Clouds (FSW):

CER_FSW_Aqua-FM4-MODIS_Edition2A

CER_FSW_Aqua-FM4-MODIS_Edition2A

The CRS product is designed for studies which require fields of clouds, humidity and aerosol that are consistent with radiative fluxes from the surface to the Top Of the Atmosphere (TOA); for example, studies of cloud and aerosol forcing at both TOA and surface, or investigations of possible errors in retrievals of TOA fluxes, cloud properties, surface skin temperature, etc. Each CRS is an hourly file containing instantaneous data at the CERES field of view scale (20km diameter at nadir) from a single CERES instrument mounted on one satellite.

The FSW archival data product contains hourly single satellite flux and cloud parameters averaged over 1.0-degree regions. Input to the FSW Subsystem is the CRS archival data product. Each FSW covers a single month of data from a single CERES instrument mounted on one satellite. Individual Aqua FSW Edition2A files contain information for 3 consecutive latitude bands.

Information about the CERES products, including products available, documentation, relevant links, sample software, tools for working with the data, etc. can be found at the CERES data table:
http://eosweb.larc.nasa.gov/PRODOCS/ceres/table_ceres.html