

**April 2007**  
**U.S. CLIVAR News-gram**

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**CALENDAR of UPCOMING EVENTS** (for more information - [www.usclivar.org/calendar.html](http://www.usclivar.org/calendar.html))

#### **April 2007:**

- 2-5: Variability of the American Monsoon System (VAMOS-10) Meeting (Santiago, Chile)  
16-20: International Oceanographic Data and Information Exchange (IODE) (Trieste, Italy)  
23-25: CLIVAR Indian Ocean Panel Meeting (South Africa)  
30 – May 3: Decadal Variability Workshop (Kona, Hawaii)

#### **May 2007:**

- 2-5: Ocean Observations Panel for Climate-12 (Paris, France)  
21-25: AGU Joint Assembly (Acapulco, Mexico)  
27-June1: 1<sup>st</sup> International Summit on Hurricanes and Climate (Crete, Greece)

#### **June 2007:**

- 4-8: WCRP Workshop on Seasonal Prediction (Barcelona, Spain)  
5-7: NOAA Ocean Climate Office Annual Review (Silver Spring, MD)
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## Research Opportunities

### **1. NASA Announcement of Opportunity for High-End Computing (HEC)**

Following the process described in the Research Opportunities in Space and Earth Sciences (ROSES Section I(d)), the NASA Science Mission Directorate (SMD) is allocating High-End Computing (HEC) resources for projects starting, **May 1st, 2007**. HEC resources are available to PIs of active investigations selected through ROSES solicitation.

SMD will select from requests submitted by April 11, 2007, to the rolling submission call in the e-Books online system for consideration of an allocation. Please be aware that current projects set to expire on May 1, 2007, must have a request in the e-Books system in order to be considered for a renewal allocation.

The URL for requesting the Science Mission Directorate's computing resource can be found at:  
<http://www.hec.nasa.gov> .

Detailed information on how to obtain NASA provided high-end Computing resources is available both at the above web site and in the ROSES (05, 06, and 07) NASA Research Announcements.

If you need additional information or if you have questions to be clarified, please contact Dr. Tsengdar Lee (tsengdar.j.lee@nasa.gov, 202-358-0860), Science Mission Directorate, NASA Headquarters.

### **2. NSF Announcement of Opportunity for Antarctic Research Full Proposal Deadline: Thursday, 7 June 2007**

The Program Solicitation is available at: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5519](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5519)

The Office of Polar Programs, Division of Antarctic Sciences at the National Science Foundation (NSF) announce solicitation "Antarctic Research" (NSF 07-549).

Program Title: Antarctic Research

Aeronomy and Astrophysics, Organisms and Ecosystems, Earth Sciences, Ocean and Atmospheric Sciences, Glaciology, Integrated and System Science

Synopsis of Program:

Scientific research and operational support of that research are the principal activities supported by the United States Government in Antarctica. The goals are to expand fundamental knowledge of the region, to foster research on global and regional problems of current scientific importance, and to use Antarctica as a platform from which to support research. For projects involving fieldwork, the U.S. Antarctic Program supports only that research that can be done exclusively in Antarctica or that can be done best from Antarctica. The program also supports analytical research performed at home organizations.

NSF is the designated lead agency for the International Polar Year, 2007-2009, for the United States and

recently released a second solicitation "International Polar Year, 2007" (NSF 07-536), which focuses on specific emphases areas in science, education, and outreach. However, IPY-relevant proposals (as outlined in the National Academy of Science vision document, <http://www.us-ipy.org>) that are outside these emphasis areas may be submitted to this Antarctic Research solicitation.

### **3. European Space Agency SMOS (Soil Moisture and Ocean Salinity) Data Announcement of Opportunity**

#### **Deadline for proposals is June 1, 2007**

ESA has issued the AO for SMOS Data Exploitation (this is an opportunity to gain access to SMOS data products as well as to other ESA mission data – see link below):

<http://eopi.esa.int/esa/esa?cmd=aodetail&aoname=smos>

### **4. DISCCRS Opportunity**

DISCCRS International Interdisciplinary Climate Change Symposium Hawaii, Sept. 10-17, 2007 –

Deadline for applications: **30 April 2007**

Airfare, room & board are fully paid for 36 accepted candidates from around the world.

<http://www.discdrs.org/discdrsposter2007.pdf>

DISCCRS (pronounced "discourse") is an interdisciplinary initiative for recent Ph.D. graduates conducting research related to climate change and its impacts. The goal is to broaden research interests and establish a collegial peer network extending across the spectrum of

NATURAL and SOCIAL SCIENCES, HUMANITIES, MATHEMATICS, ENGINEERING and other disciplines related to climate change and its impacts. The initiative includes a public webpage, electronic newsletter, and annual symposia funded through 2008.

Expenses : Airfare and on-site expenses are provided through NSF grant EAR-0435728 to Whitman College.

Eligibility : Ph.D. requirements related to climate change and impacts. Recent Ph.D. graduates from all disciplines and countries are invited to join the DISCCRS network and apply to be a DISCCRS symposium scholar.

Thirty-six applicants will be selected by an interdisciplinary committee of research scientists. During the week participants will provide oral and poster presentations in plenary format, hone interdisciplinary communication and team skills, and discuss emerging research, societal and professional issues with each other and with established researchers invited to serve as mentors.

### **Position Announcements**

#### **5. IRI Senior Staff Associate**

##### **Latin America Caribbean Program Coordinator/Analyst**

<http://iri.columbia.edu/aboutiri/job/html/67007006.html>

The International Research Institute for Climate and Society ([IRI](http://iri.columbia.edu)) is seeking an outstanding individual to work coordinate program activities and provide technical support for projects in the Latin American and the Caribbean region, working closely with the Regional Program Director.

The IRI is a catalyst for the creation and provision of science based outcomes that address climate risk. Our approach is based on collaborative partnerships with local, national, regional, international, public and private institutions facilitating the open exchange of ideas, information, and technology between many disciplines and regions. We work in Asia and the Pacific, Africa, Latin America and the Caribbean, to unravel problems that have frequently been discounted as unavoidable consequences of nature.

**Coordination activities include:** a) managing information pertaining to requests for proposals; b) coordinating and staffing meetings of the LAC Regional Program Committee; c) coordinating training and capacity-building activities, meetings, and workshops; d) providing oral and written reporting of project results in English and Spanish; and, e) managing the LAC regional program web portal.

**Technical support activities include** close collaborations with staff or the IRI Data Library to identify, develop and maintain data sets for the study of climate variability and its societal impacts. This includes: a) developing and/or integrating data sets in formats suitable for analysis; b) participating in the development of state-of-the-art analysis tools; c) performing analysis of the data; d) participating in the development of new data and analysis display tools; and e) supporting the development of appropriate Map Rooms tailored to project needs.

The combined coordination and technical activities will support the advancement of documentation, training, and presentation materials for a broad spectrum of audiences and potential users in the LAC region. These materials will utilize and illustrate the IRI Data Library and other IRI learning module capabilities for multivariate analysis with meteorological, oceanographic and project specific data sets.

Work involves supervised activity supported by grants designed to address specific issues. This is an excellent opportunity for original and creative contributions for selectee in a team environment.

**Minimum Requirement at the Staff Associates level:** BS/BA in Social, Natural, or Humanities Sciences with a strong emphasis on Mathematical, Statistical, and/or Data Analysis approaches plus 2-3 years related work, or M.S. with a good background in Meteorology, Oceanography, Geophysics or Physical Geography required.

**Minimum Requirements at the Senior Staff Associates Level:** BS/BA in Social, Natural, or Humanities Sciences with a strong emphasis on Mathematical, Statistical, and/or Data Analysis approaches plus 6-8 years related work or M. S. or higher degree with 1-2 years experience and a good background in Meteorology, Oceanography, Geophysics or Physical Geography required.

**At both levels:** Demonstrated experience in project coordination and data management preferred; previous experience in computers utilizing UNIX, FORTRAN and C required. Knowledge of HTML, JavaScript or Perl is desirable. Excellent written, oral, and web-oriented communications skills in both English and Spanish are required.

## **6. Assistant Director for Geosciences - National Science Foundation**

Deadline for Submitting Candidate Recommendations: Saturday, 31 March 2007

The National Science Foundation (NSF) is initiating a national search for an Assistant Director for Geoscience to be appointed **1 June 2007**, and is seeking assistance in the identification of candidates. Dr. Margaret Leine has served in this position since 2000.

The Directorate for Geosciences (GEO) is one of seven NSF directorates. As outlined in its annually revised long range plans, GEO's goals are the advancement of fundamental knowledge about the integrated Earth system, enhancement of the infrastructure for the conduct of geoscience research, and improvement in the quality of geoscience education and training. GEO contains divisions for the Atmospheric Sciences, Earth Sciences, and Ocean Sciences. The Directorate has a staff of approximately 120 employees and assignees, and administers a budget of approximately \$702.8 million annually. In addition to supporting research projects proposed by individual researchers and small groups of investigators, GEO also provides support for a number of centers. About 33 percent of GEO's budget is used to support multi-user facilities, including the National Center for Atmospheric Research and the U.S. academic research fleet, as well as large research facilities. GEO engages in partnerships with other NSF directorates, other Federal agencies, and international counterparts in number of special activities.

The Assistant Director (AD) for Geosciences serves as a key member of the NSF senior policy and management team. The AD provides leadership and direction to programs and initiatives within GEO. The AD is responsible for planning and implementing programs, priorities, and policy within the framework of statutory authority and National Science Board authority. The AD must have outstanding leadership abilities, a deep sense of scholarship, clear vision regarding opportunities and issues in the geosciences, and a commitment to attaining the goals through employment of the strategies of the National Science Foundation.

The AD/GEO Screening Committee is seeking assistance in identifying candidates with outstanding leadership qualifications, a deep sense of scholarship, a grasp of the issues facing research and education in the geosciences, and the ability to serve effectively as a key member of the NSF policy and management team. The committee is especially interested in identifying women, members of minority groups, and persons with disabilities for consideration. Recommendations of individuals from any sector - academe, industry, or government - are welcome. Dr. Jane Lubchenco, Wayne and Gladys Valley Professor of Marine Biology and Distinguished Professor of Zoology at Oregon State University, is serving as head of the AD/GEO Screening Committee. Employment may be on a temporary or permanent basis in the Federal Service or by temporary assignment under provisions of the Intergovernmental Personnel Act.

Please send recommendations, including any available supporting information, to the AD/GEO Screening Committee at: [geosrch@lists.nsf.gov](mailto:geosrch@lists.nsf.gov), or via regular mail to: National Science Foundation  
Office of the Director, Suite 1205  
4201 Wilson Boulevard  
Arlington, VA 22230

## **Announcements**

- **Wind-driven ocean dataset released**

A historical dataset of the wind-driven global ocean circulation for climate research is provided. The data is obtained by applying a wind-driven model of the ocean circulation, the so-called "Island Rule" model to monthly surface wind stress fields from the US National

Centre for Environmental Prediction and the European Centre for Medium Range Weather Forecasting to generate the wind-driven circulation history in terms of barotropic stream function and steric height for the last 50 years. The data set including a technical report is now available to the climate research community. This unique data set is useful for the validation of climate models and for the description of variations and trends of the wind-driven ocean circulation. A report, description of example applications, and instructions how to obtain the data set can be downloaded from <http://eprints.usq.edu.au/archive/00001911/>.

Reference: Shi, G., Ribbe, J., Cowan, T. and Cai, W. (2007). A dataset of the wind-driven global ocean circulation for climate research. Technical Report. Toowoomba, Australia.

## **Meetings and Workshops**

### **7. 1<sup>st</sup> International Summit on Hurricanes and Climate Change**

**May 27 - June 1, 2007 at the Aldemar Knossos Royal Village Conference Center in Crete, Greece**

Formal talks will start on Monday, May 28 in the morning and end on Thursday, May 31 in the afternoon and feature a series of invited talks by leading researchers as well as a series of poster sessions with contributions from attendees.

Logistics:

Please visit the web site <http://www.aegeanconferences.org/> and click on the link for "1st International Summit on Hurricanes and Climate Change" for information on registration, abstract submission, and travel logistics.

For students:

A small number of awards are available for student travel and with several awards specifically for attendees from developing countries. In addition, there is an honorary award for the best student presentation.

Summit format:

There will be morning and afternoon plenary sessions for presentations by invited and contributing speakers. There will also be poster sessions and sufficient time for extended informal discussions.

### **8. Continental Margins Open Science Conference**

**September 17-21, 2007 at East China Normal University (ECNU), Shanghai, China.**

This conference will provide a discussion platform for highlighting the most recent advances in the field and to identify emerging directions and future research challenges. The conference is open to all students and scientists involved in biogeochemical cycles and ecosystems in the continental margins.

Coastal zones play a key role in Earth System functioning, by contributing significantly to the life support systems of most societies. The coastal system is experiencing global and natural pressure, such as atmospheric and open ocean-shelf exchange, that are also modified by local and human forcings. The larger scale forcings include proximity to large river plumes, physiography of the continental shelf, and human forcings that modify

atmospheric deposition across broad shelf areas. These global, local, and human pressures interactively impact on biogeochemical cycles and the marine food webs and have direct consequences for society.

The Conference, while building on biogeochemical advances from international programs such as JGOFS and LOICZ, aims to take the next steps in: linking the biogeochemical cycles of the coastal and open oceans, linking organisms, including higher organisms, to biogeochemical processes, moving past the present-day status and incorporating response/prediction to the global and local changes, exploring the function and possible future changes of the continental shelf pump and the climate related biogeochemistry of continental margins, and assessing the variability and sustainability of the continental margin ecosystems.

More information is now available on the conference website:  
<http://www.confmanager.com/main.cfm?cid=792>

### **9. NOAA's 32nd Annual Climate Diagnostics and Prediction Workshop 22-26 October 2007, Tallahassee, Florida**

NOAA's 32nd Climate Diagnostics and Prediction Workshop (CDPW) will be held in Tallahassee, Florida, from October 22-26, 2007. The workshop will be co-hosted by the Department of Meteorology, Florida State University; Center for Ocean-Atmospheric Predictions Studies (COAPS), Florida State University; and by the Climate Prediction Center (CPC) of the National Centers for Environmental Prediction/NOAA.

This year's gathering will focus on priorities for advancing best practices in climate services and predictions. Our three major themes will be: (i) climate predictions/predictability, (ii) understanding and attribution of climate variability, and (iii) the use and applications for climate prediction and attribution products. The workshop will combine invited presentations and posters on existing, as well as recent advances in scientific understanding and capabilities with discussions on requirements for decision support. The outcome of this year's workshop will include an assessment of current operational prediction capabilities, identifying opportunities for advances and new services, for example, explore prospects for a climate attribution service to support regional decision making. The workshop will provide enhanced opportunity for participants to exchange information, ideas, and opinions through participation in panel discussions and thematic, focus talks. The primary focal areas for the workshop will include:

1. A review of recent climate conditions and forecasts for week-2 to seasonal time scales.
2. A review of prediction practices, predictability, and forecast verification assessments for time scales from week-2 to seasonal, and for lead times from zero to 12 months.
3. Advances in improving the skill of climate forecasts on time scales from week-2 to seasonal, and for lead times from zero to 12 months.
4. Attribution methodologies for explaining climate variability, including extreme events (e.g., hurricanes), seasonal climate, and trends.
5. Attribution of climate conditions, including statistics of extreme events (e.g., hurricanes), seasonal climate, and trends.

6. User and regional decision support requirements for explaining climate conditions and for climate predictions, with emphasis on agricultural applications.

The Workshop will feature focused oral sessions consisting of invited presentations, followed by panel discussions and ample time for discussions; rest of the submission will be organized as posters.

A website for the workshop will be linked though:

<http://www.cpc.ncep.noaa.gov/products/outreach/CDPW32.shtml> and will contain further information.

Please send your poster abstracts to: [Ncep.list.cpc-cdworkshop@noaa.gov](mailto:Ncep.list.cpc-cdworkshop@noaa.gov) by the deadline “AUGUST 6, 2007”. Include title, author(s), affiliation(s), abstract, phone and fax number.

### **10. International Symposium on Eastern Boundary Upwelling Ecosystems**

IMBER is pleased to announce the first call for an international symposium on eastern boundary upwelling ecosystems:

Convenors: Pierre Fréon, Manuel Barange and Javier Arístegui

Main sponsors: EUR-OCEANS, IRD, GLOBEC, IMBER

**Date: 2-6 June 2008**

Location: Las Palmas de Gran Canaria, Canary Islands (Spain)

Website: [www.upwelling-symposium.org](http://www.upwelling-symposium.org) (to be activated soon)

### **ARGO-OXYGEN PROGRAM**

A white paper to promote the addition of oxygen sensors to the Argo float program has been released, and the authors are currently seeking comments from the wider community. To download the pdf (2MB) click on [http://www.ioc.unesco.org/ioccp/docs/o2\\_argo\\_whitepaper\\_15feb07\\_r.pdf](http://www.ioc.unesco.org/ioccp/docs/o2_argo_whitepaper_15feb07_r.pdf)

This paper is aimed to form the basis for the discussions next month at the Argo SC meeting in Paris. The paper has been written by the members of the Argo-Oxygen writing team, with input from the community at large. It synthesizes the main scientific motivations, the objective, as well as the current status of the technology, including the identification of currently existing gaps. It also outlines a possible path forward with regard to the actual implementation.

Comments and suggestions should be forwarded to Nicolas Gruber ([nicolas.gruber@env.ethz.ch](mailto:nicolas.gruber@env.ethz.ch))

### **11. North Pacific Marine Science Organization (PICES) Annual Meeting**

**Oct. 26-Nov. 2, 2007, Victoria, Canada**

For more information on these and other sessions and workshops go to:

<http://www.pices.int/meetings/annual/PICES16/background.aspx>

Sessions related to CLIVAR:

S1: Science Board (Plenary) Symposium. The changing North Pacific: Previous patterns, future projections, and ecosystem impacts

S2: Decadal changes in carbon biogeochemistry in the North Pacific

S8: Recent advancements in ocean observing systems: Scientific discoveries and technical aspects

S9: Operational forecasts of oceans and ecosystems

**12. Open Call 2008 Ocean Sciences Meeting  
March 2-7, 2008 – Orlando, Florida, USA**

Please submit session proposals on line: <http://www.aslo.org/forms/orlando2008.html>

The Planning Committee invites proposals for sessions of interest to members of ASLO, AGU, TOS, and ERF. The Ocean Sciences meeting is an important venue for scientific exchange across broad marine-science disciplines, including physical, biological, chemical, and geological oceanography, all branches of limnology, hydrology, and multidisciplinary topics ranging from evolution to climate change. In keeping with the theme of the meeting, we welcome proposals for topical sessions on these subjects and others that reflect new and ongoing research on watersheds, the global ocean, and society, including science education, outreach, and public policy.

**Session Proposals are due April 30, 2007.** Proposals should identify at least two co-chairs and include an informative session title and a short description of the session (see details below). Session presentations will be oral, poster, or both, to be determined by the Planning Committee after abstracts have been received. We strongly encourage proposals for poster-only sessions. Posters sessions will be designed for maximum attendance and will not conflict with oral presentations.

**Guidelines for Session Proposal Submissions** At least two (maximum four) co-chairs that plan to attend the meeting are required. Co-chairs must be members of AGU, TOS, ASLO, or ERF. Session titles should be between 45 to 180 characters. Session descriptions should be limited to 200 words and should be broad enough to include all interested researchers, regardless of affiliation or funding sources.

**Schedule:** Session proposals must be submitted online by 23:59 U.S. Central Daylight Time, 30 April, 2007. The Call for Abstracts will be issued early summer 2007. Abstracts will be due online 1 October 2007, when an abstract fee and registration for the conference will be required. The registration fee will be fully refundable up to 30 days prior to the conference, should cancellation be necessary.