

**January 2008**  
**U.S. CLIVAR News-gram**

**Table of Contents**

---

**i – Calendar of Upcoming Events**

**Scientific Opportunities**

1. NSF Program Solicitation - Centers for Ocean Sciences Education Excellence
2. National Science Foundation Program Solicitation Human and Social Dynamics

**Science Announcement: U.S. Climate Change Science Program Issues Revised Research Plan Public Invited to Provide Comments**

**Positions Available**

3. Professorships Available - University of Hamburg

**Meetings and Workshops**

4. 2nd Joint Global Ocean Surface Underway Data (GOSUD) / Shipboard Automated Meteorological and Oceanographic System (SAMOS) Workshop
5. 18<sup>th</sup> Symposium on Boundary Layers and Turbulence American Meteorological Society
6. WMO Commission for Atmospheric Sciences Fourth International Workshop on Monsoons (IWM-IV)
7. Sixth Annual Climate Predictions Applications Science Workshop
8. Climate driving of marine ecosystem changes... Training for young marine scientists

**Product and Report Announcements:**

- US Drought Portal
- Now available: Synthesis and Assessment Product 2.1A and 2.1B
- Commenting period for CCSP Synthesis and Assessment Product 3.2, "Climate Projections Based on Emissions Scenarios for long-lived radiatively active trace gases and future climate impacts of short-lived radiatively active gases and aerosols"

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

**January 2008:**

20-24: AMS Annual Meeting (New Orleans, LA)

28-31: 3<sup>rd</sup> WCRP International Reanalysis Conference (Tokyo, Japan)

**February 2008:**

**March 2008:**

2-7: Ocean Sciences Meeting (Orlando, FL)

4-7: Climate Prediction Applications Workshop (Chapel Hill, NC)

10-12: XBT Fall Rate Workshop (Miami)

26-29: VAMOS Panel Meeting (Miami)

---

**Scientific Opportunities**

- 1. NSF Program Solicitation - Centers for Ocean Sciences Education Excellence**  
**Full Proposal Deadline: 3 March 2008**

The National Science Foundation announces program solicitation 08-509, "Centers for Ocean Sciences Education Excellence (COSEE)."

Synopsis of Program:

The COSEE Network, which consists of eleven coordinated COSEE Centers, fosters the integration of ocean research into high-quality educational materials, enables ocean researchers to gain a better understanding of educational organizations and pedagogy, provides educators with an enhanced capacity to understand and deliver high-quality educational programs in the ocean sciences, and provides material to the public that promotes a deeper understanding of the ocean and its influence on each person's quality of life and our national prosperity.

The Division of Ocean Sciences solicits proposals to operate a Central Coordinating Office for the COSEE Network. The Central Coordinating Office organizes national oversight of the COSEE effort, enhances communication and collaboration among the Centers, and documents COSEE activities and outcomes.

The Division of Ocean Sciences also solicits proposals for conducting a comprehensive evaluation of the impact of the COSEE National Network. The Division of Ocean Sciences also solicits proposals for innovative new collaborations with existing COSEE centers.

## **2. National Science Foundation Program Solicitation Human and Social Dynamics**

The National Science Foundation announces program solicitation 08-508, "Human and Social Dynamics: Competition for FY 2008." **Type 1 Full Proposal Deadline: 19 February 2008 Type 2 Full Proposal Deadline: 22 February 2008**

Synopsis of Program:

The Human and Social Dynamics (HSD) priority area fosters breakthroughs in understanding the dynamics of human action and development, as well as knowledge about organizational, cultural, and societal adaptation and change. HSD aims to increase our collective ability to (1) understand the complexities of change; (2) understand the dynamics of human and social behavior at all levels, including that of the human mind; (3) understand the cognitive and social structures that create, define, and result from change; and (4) manage profound or rapid change, and make decisions in the face of changing risks and uncertainty. Accomplishing these goals requires multidisciplinary research teams and comprehensive, interdisciplinary approaches across the sciences, engineering, education, and humanities, as appropriate.

The FY 2008 competition will include three emphasis areas (Agents of Change; Dynamics of Human Behavior; and Decision Making, Risk, and Uncertainty). HSD encourages projects investigating complexity and systems thinking, with a goal of revealing the emergent properties of dynamic systems. HSD also encourages projects identifying human drivers of environmental change and exploring the consequences of environmental change on humans. Such research is central in equipping us to handle the most pressing environmental problems for our nation and the world.

### **Science Announcement: U.S. Climate Change Science Program Issues Revised Research Plan Public Invited to Provide Comments**

<http://www.climatechange.gov/Library/stratplan2008/summary/default.htm>

January 2, 2008

The U.S. Climate Change Science Program Revised Research Plan Summary is available in the Federal Register and online for review and comment by the public. Comments received by February 26, 2008, will be considered during the preparation of the final revised research plan and the forthcoming scientific

assessment.

"This revised research plan represents an update to the 2003 strategic plan of the U.S. Climate Change Science Program. As with any strategic plan we must take into consideration advances in science and changes in societal needs and I encourage the public to participate by providing comments over the next 60 days," said William Brennan, acting director, Climate Change Science Program, and deputy assistant secretary of commerce for international affairs.

The revised research plan includes an updated statement of vision, goals and capabilities consistent with CCSP's current strategic plan but reflects scientific progress and the evolution of the program based on accomplishments and evolving societal and environmental needs; a description of the relationship of the research plan to the current scientific assessment; highlights of ways in which the program is evolving in the context of the progress made over the years 2003-2007 since the strategic plan was put in place, and a description of the priorities that have emerged as a result; and a description of research plans for the coming years, in order to build upon the work envisioned in the strategic plan and begun over the past four years.

Comments should be sent to Dr. Fabien Laurier, Climate Change Science Program Office.

### **Positions Available**

#### **3. Professorships Available - University of Hamburg**

**Application Deadline: Tuesday, 22 January 2008**

The University of Hamburg, jointly with the Max Planck Institute for Meteorology and the Institute for Coastal Research at the GKSS Research Centre, is establishing a trans-disciplinary research focus on "Integrated Climate System Analysis and Prediction" (CliSAP; <http://www.clisap.de/>) and invites applications for nine professorship positions. The goal set for CliSAP is to analyze ongoing and past changes of the state of the climate system, in response to natural and human-driven perturbations, to determine predictable elements of the climate system over a broad range of space and time scales, and to determine uncertainties intrinsic to predictions of important climate system and environmental indices. In terms of regional consequences of climate change, CliSAP will quantify potential impacts of such changes on marine and terrestrial ecosystems as well as humans, including economy and security, with a focus on Northern Europe.

The open professorships are in the following areas:

Climate System Data Assimilation (Code 1950)

Chemistry of Natural Aqueous Solutions (Code 1951)

Dynamical Systems (Code 1952)

Surface Deformations (Code 1953)

Climate Change and Security (Code 1954)

Media constructions of regional geohazards (Code 1955)

Regional Hydrology in Terrestrial Systems (Code 1956)

Advancement of Coupled Climate Ocean Ecosystem Models (Code 1957)

Numerical Methods in the Geosciences (Code 1958)

Successful candidates for all positions must have an excellent research record and experience in conception and realization of research projects and/or field experiments. Collaboration with research groups in the Clusters of Excellence CliSAP is expected. Appointments within Clusters of Excellence will normally be at grade W1 (German Junior Professor), however grade W2 is possible provided the fulfillment of both legal and personal qualification requirements. Junior Professors (W1-positions) will initially be appointed for three years, with a possible three-year extension on the basis of a positive evaluation of academic performance. Junior Professors with an outstanding academic performance may apply for a W2 position. W2 positions will be filled for five

years initially, and can be transferred to permanent W2 positions provided outstanding academic performance. Both W1 and W2 positions will have reduced teaching responsibility. Teaching is expected to be in both German and English. The positions also bring with them funding for additional personnel, as well as auxiliary research material, in order to be able to quickly set up excellent research groups.

The University of Hamburg aims at increasing the number of women as scientific staff and therefore specifically requests applications from qualified women for these positions. Disabled persons are given priority over applicants of equal suitability, qualification, and degree of specialized knowledge. The University of Hamburg is an Equal Opportunity Employer.

Applications should consist of a current CV, list of publications, list of previously taught courses, and a vision for future research and teaching, and be submitted under the respective code to: The President of the University of Hamburg Ref. 631.6  
Moorweidenstrasse 18  
20148 Hamburg, Germany

### **Meetings and Workshops**

#### **4. 2nd Joint Global Ocean Surface Underway Data (GOSUD) / Shipboard Automated Meteorological and Oceanographic System (SAMOS) Workshop Seattle, Washington 10-12 June 2008**

A workshop web page, including on-line registration, abstract submittal, and hotel information, will be posted in January 2008. *The registration and abstract deadline will be 1 April 2008.*

The primary purpose of the workshop is to expand areas of collaboration between the GOSUD project (<http://www.ifremer.fr/gosud/>) and the SAMOS initiative (<http://samos.coaps.fsu.edu/>). A new objective will be identifying areas for international collaboration with SAMOS-type initiatives in Europe and Australia and ongoing automated Voluntary Observing Ship programs. Through a series of invited speakers, contributed talks and posters, and panel discussions, workshop participants will continue to stimulate interest in utilizing automated atmospheric and near-surface ocean measurements to further the scientific objectives of the oceanic, atmospheric, and global climate communities.

The workshop is open to anyone (but limited to 45 participants) with an interest in high quality meteorological and near-surface oceanographic observations collected by automated sensors on ships. The organizers are seeking contributions from research and operational data users, marine technicians, vessel operators, and funding agencies. Members of the satellite, modeling, and other user communities are especially encouraged to attend. Past workshops have benefited by having an even mix of scientists, data managers, instrument developers, marine technicians, and governmental representatives.

The workshop will advance international plans to provide high-accuracy, calibrated, quality-controlled, near-surface ocean (GOSUD) and marine meteorological observations (SAMOS) to the scientific community. The observations currently collected by GOSUD and SAMOS are measured by automated underway instrument systems on research and merchant vessels. These research-quality observations are an essential component to the developing ocean observing system. They are an ideal resource to validate satellite sensors, provide benchmarks of air-sea flux fields, and improve our understanding of ocean circulations.

#### **5. 18th Symposium on Boundary Layers and Turbulence American Meteorological Society 9-13 June 2008 Stockholm, Sweden**

Abstract Deadline: Wednesday, 16 January 2008

Papers and posters are invited on all subjects dealing with atmospheric boundary layers and turbulence including observational, modeling, theoretical, and applied studies. The call for papers includes a special call for International Polar Year-related contributions. For further information about the symposium and to submit an abstract, please go to: <http://www.ametsoc.org/meet/fainst/200818BLT.html>

**6. WMO Commission for Atmospheric Sciences (CAS) - Fourth International Workshop on Monsoons (IWM-IV)  
20-25 October 2008, Beijing, China**

The IWM series is a part of the WMO major quadrennial symposia and workshops series under the World Weather Research Programme (WWRP). As a WWRP activity, the IWM-IV will follow the guidance of CAS XIV (February 2006, Cape Town, South Africa) to emphasize research for the reduction of disaster risks through improved forecast of high-impact weather.

IWM-IV is organized by the Monsoon Panel of the CAS Working Group for Tropical Meteorology Research (<http://www.wmo.int/pages/prog/arep/wwrp/tmr/monsoon-panel.html>). The cosponsors include China Meteorological Administration, the World Climate Research Programme (WCRP)/CLIVAR Asian-Australian Monsoon Panel (AAMP), Institute of Atmospheric Physics of the Chinese Academy of Sciences, and other agencies of the host country. It will provide a forum for researchers and forecasters to discuss recent advances and current issues covering all time scales (meso, synoptic, intraseasonal, climate) that are relevant to the forecast of high-impact weather in the world's monsoon regions, and as a means to transfer new science and technology to National Meteorological and Hydrological Services in these regions.

The workshop will include both invited and contributed papers for oral and poster presentations, and discussion sessions on international collaboration on research and forecast of high-impact weather in the monsoon regions. The International Committee organized by WMO will prepare review materials for various topics, which will be presented as invited papers at the Workshop. At the conclusion, a report including the reviews, discussions and recommendations will be used to update WMO Tech. Document 1266: The Global Monsoon System: Research and Forecast, which was prepared by IWM-III in 2004 ([http://www.wmo.int/pages/prog/arep/tmrp/documents/global\\_monsoon\\_system\\_IWM3.pdf](http://www.wmo.int/pages/prog/arep/tmrp/documents/global_monsoon_system_IWM3.pdf)).

At the kind invitation of the Government of China, IWM-IV will take place in Beijing after the 2008 Olympics Games in August and 2008 Paralympics Games in September, offering an excellent opportunity to visit this historical yet rapidly changing global city during its best season and after most of the crowds are gone. Several related events and activities are being planned, including the Commemoration of the 80<sup>th</sup> Anniversary of the Institute of Atmospheric Physics of the Chinese Academy of Sciences, and the WCRP/CLIVAR AAMP Panel Meeting.

The deadline for abstract submission of contributed papers is **May 31, 2008**.

**7. Sixth Annual Climate Predictions Applications Science Workshop  
CHAPEL HILL, NORTH CAROLINA, USA  
MARCH 4-7, 2008**

The National Weather Service Climate Services Division, and the Southeast Regional Climate Center at the University of North Carolina, will host the 6th Climate Prediction Applications Science Workshop (CPASW) in Chapel Hill, North Carolina, on March 4-7, 2008.

The CPAS workshop brings together a diverse group of climate applications researchers, climate product producers, and users to share developments in research and applications related to the use of climate predictions in societal decision-making. The meeting goals:

- (1) to identify new climate prediction applications research,
- (2) to "build community" by promoting interactions between integrated climate-sensitive research and service communities,
- (3) to assess impacts of climate forecasts on environmental-societal interactions,
- (4) to provide feedback to producers of climate products on user requirements.

Important Note: The workshop will not address technical challenges of making climate predictions, climate modeling, or other technical topics related to the science of climate predictions.

Abstract of submission of both papers for Oral and Poster Presentation are now being accepted. Further information is given at: <http://www.sercc.com/cpasw>

**8. Climate driving of marine ecosystem changes...Training for young marine scientists  
21-24 April 2008, Brest, France  
Deadline for abstract submission: January 15, 2008**

IMBER, GLOBEC, EUR-OCEANS and CLIVAR are organizing a training on "Climate driving of marine ecosystems changes" at the European Institute for Marine Studies (IUEM) in Brest, France.

This exploratory workshop intends to increase the interactions between physical climate science and marine biogeochemistry and ecosystems communities with focus on impacts of climate variability on the marine environment. The training is aimed at young marine scientists. The objectives are, to increase their knowledge on existing climate data to evaluate their relevance for biogeochemical and ecosystem studies and to judge their quality (uncertainties).

The goals of this training are:

- 1) To increase the interactions between physical climate science and marine biogeochemistry/ecosystems communities with a focus on impacts of climate variability on the marine environment;
- 2) To foster cooperation between physical climate scientists and marine scientists;
- 3) To take stock of IPCC 4AR results, ocean/atmosphere reanalysis data and observational data, where relevant for impacts on the marine environment.

This workshop is a combination of science presentations around defined themes followed by discussions and "hands-on sessions where young scientists with a marine biogeochemistry/ecosystems background learn how to use climate data. This includes finding relevant data, scrutinising their quality and knowing how to make use of them. For further details about the preliminary programme, themes and hands-on session, please visit the workshop website ([http://www.imber.info/CLIMECO\\_home.html](http://www.imber.info/CLIMECO_home.html)).

Selection of candidates will be based on the level and suitability of their qualifications, the relevance to the science themes, and the quality of their motivation statement. Applications can be submitted until **15 January 2008** at [http://www.imber.info/CLIMECO\\_Application.html](http://www.imber.info/CLIMECO_Application.html).

Partial financial support will be available for selected participants and the level of support will depend on the funding received. For further information visit [http://www.imber.info/CLIMECO\\_home.html](http://www.imber.info/CLIMECO_home.html)  
For additional requests, please contact: [imber@univ-brest.fr](mailto:imber@univ-brest.fr)

**Product and Report Announcements:**

- **US Drought Portal**

The U.S. Drought Portal [<http://www.drought.gov>] has officially launched. It was created to provide comprehensive information on emerging and ongoing droughts, and to enhance the nation's drought preparedness. The Drought Portal is part of the National Integrated Drought Information System (NIDIS), which was recommended by the Western Governors Association in 2004 and enacted into law in 2006.

The NIDIS Implementation Plan, published in June 2007, provides a detailed overview of the NIDIS initiative (<http://www.drought.gov/imageserver/NIDIS/content/whatisnidis/NIDIS-IPFinal-June07.pdf>).

- **Now available in hardcopy from the GCRI Online Catalog: Synthesis and Assessment Product 2.1A and 2.1B:** [http://www.gcrio.org/orders/product\\_info.php?products\\_id=187](http://www.gcrio.org/orders/product_info.php?products_id=187)  
Clarke, L., J. Edmonds, H. Jacoby, H. Pitcher, J. Reilly, R. Richels, 2007. Scenarios of Greenhouse Gas Emissions and Atmospheric Concentrations. Sub-report 2.1A of Synthesis and Assessment Product 2.1 by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. Department of Energy, Office of Biological & Environmental Research, Washington, DC., USA, 154 pp.

[http://www.gcrio.org/orders/product\\_info.php?products\\_id=188](http://www.gcrio.org/orders/product_info.php?products_id=188)

Parson, E., V. Burkett, K. Fisher-Vanden, D. Keith, L. Mearns, H. Pitcher, C. Rosenzweig, M. Webster, 2007. Global Change Scenarios: Their Development and Use. Sub-report 2.1B of Synthesis and Assessment Product 2.1 by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. Department of Energy, Office of Biological & Environmental Research, Washington, DC., USA, 106 pp. 2.1 b

- **Commenting period for CCSP Synthesis and Assessment Product 3.2, "Climate Projections Based on Emissions Scenarios for long-lived radiatively active trace gases and future climate impacts of short-lived radiatively active gases and aerosols"**  
This report is one of 21 synthesis and assessment products being prepared by the U.S. Climate Change Science Program (CCSP). DATES: Comments must be received by COB Tuesday 22 January, 2008.

ADDRESSES: The Draft Report is posted on the CCSP web site at:  
[www.climate-science.gov/Library/sap/sap3-2/public-review-draft/default.htm](http://www.climate-science.gov/Library/sap/sap3-2/public-review-draft/default.htm)

COMMENTS: Detailed instructions, including formatting and submitting comments are posted on the CCSP web site at: [www.climate-science.gov/Library/sap/sap3-2/public-review-draft/sap3-2draft-instructions.htm](http://www.climate-science.gov/Library/sap/sap3-2/public-review-draft/sap3-2draft-instructions.htm)

-