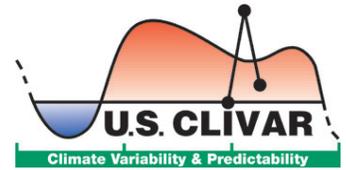


November 2012 U.S. CLIVAR Newsgram



Please forward to interested colleagues. To manage your subscription to this newsgram, visit: www.usclivar.org/contact/get-involved. To include an announcement in our next issue, email Jennifer Mays: jmays@usclivar.org.

[Calendar of Upcoming Events](#)

[Announcements](#)

1. Roger Wakimoto Named NSF Assistant Director for the Geosciences
2. NMME December-June Forecasts Now Available
3. WCRP CLIVAR-GEWEX African Climate Panel Launch Newsletter on African Climate
4. U.N. Develops Global Framework for Climate Services
5. The National Academies Division on Earth & Life Studies Releases Report of Sea Ice Predictions
6. COAPS Regional Downscaling Datasets Available through Florida Climate Institute Website
7. Ocean Leadership Accepting Applications for 2013 Marine Geoscience Leadership Symposium

[Announcements of Opportunity](#)

1. NSF Call for SEES Fellows
2. NSF Interdisciplinary Research in Hazards and Disasters (Hazards SEES) Program Solicitation
3. NASA Call for Proposals: NASA ICESat and ESA CryoSat-2
4. NSF Ocean Sciences Postdoctoral Research Fellowships

[Meetings and Workshops](#)

1. U.S. CLIVAR Town Hall – Science Plan for the Post-2013 Era
2. U.S. CLIVAR ENSO Diversity Workshop
3. U.S. CLIVAR-sponsored International Workshop - Understanding the Response of Greenland's Marine Terminating Glaciers to Oceanic and Atmospheric Forcing

[Position Announcements](#)

1. Director, Climate Program Office, NOAA
2. Director, The University of Texas Marine Science Institute
3. Assistant or Associate Professor, Paleoceanography, University of South Florida
4. Assistant Professor Global Environmental Change, Dartmouth College
5. Tenure Track Position, Climate Science of Cold Regions, CIRES/University of Colorado Boulder
6. Postdoctoral Position in Current and Future Extreme Temperature Events, UC Davis
7. Voss Postdoctoral Research Associate 2013, Environmental Change Initiative, Brown University
8. Operations and Maintenance Manager, Observatories Initiative, The Consortium for Ocean Leadership

Calendar of Upcoming Events

[CLIVAR/GSOP Ocean Synthesis and Air-Sea Flux Evaluation Workshop](#)

November 27-December 1, 2012
Woods Hole, MA
by invitation

[6th Meeting of the Global Synthesis and Observations Panel](#)

November 30-December 1, 2012
Woods Hole, MA
by invitation

[AGU Fall Meeting](#)

December 3-7, 2012
San Francisco, CA

[U.S. CLIVAR Town Hall at AGU Fall 2012 Meeting](#)

December 4, 2012 (12:30-1:30pm)
San Francisco, CA
Moscone West, Room 2016

[93rd AMS Annual Meeting: "Taking Predictions to the Next Level: Expanding Beyond Today's Weather, Water, and Climate Forecasting and Projections."](#)

January 6-10, 2013
Austin, TX

[2013 Winter Earth Science Information Partners \(ESIP\) Federation Meeting](#)

January 8-10, 2013
Washington, DC

U.S. CLIVAR SSC In-Person Meeting

January 15-16, 2013
Silver Spring, MD
by invitation

[Third Workshop on the Evaluation of ENSO Processes in Climate Models](#)

January 21-23, 2013
Hobart, Australia

[Dialogue Between Contourite & Oceanography Processes, International Workshop](#)

January 28-29, 2013
Hull, UK

[U.S. CLIVAR ENSO Diversity Workshop](#)

February 6-8, 2013
UCAR Center Green, Boulder, CO
abstract submission ends Nov. 20, 2012

[ASLO 2013 Aquatic Sciences Meeting](#)

February 17-22, 2013
New Orleans, LA

[WGOMD/SOP Workshop on Sea Level Rise, Ocean/Ice Shelf Interactions and Ice Sheets](#)

February, 18-20, 2013
Hobart, Australia

[GODAE OceanView & WGNE Joint Workshop on Short- to Medium-range Coupled Prediction for the Atmosphere-Wave-Sea-Ice-Ocean](#)

March 19-22, 2013
Washington, DC

Announcements

1. Roger Wakimoto Named NSF Assistant Director for the Geosciences

Roger Wakimoto, director of the National Center for Atmospheric Research (NCAR), has been named by the National Science Foundation (NSF) to serve as assistant director for the Directorate for Geosciences (GEO). Wakimoto will lead a directorate with an annual budget of approximately \$1 billion in support of core research in the atmospheric, polar, Earth, and ocean sciences. He will assume his new position in Washington, DC, in February 2013. UCAR will be launching an international search for a new director.

2. NMME December-June Forecasts Now Available

The National Multi-Model Ensemble (NMME) is a research project to explore design and prediction potential of an experimental multi-model seasonal forecasting system consisting of coupled models from U.S. modeling centers including NOAA/NCEP, NOAA/GFDL, IRI, NCAR, NASA, and Canada's CMC. The two-year inter-agency project is funded by NOAA's Modeling Analysis Predictions and Projections (MAPP) Program, in partnership with NOAA's Climate TestBed, with NSF, NASA and DoE contributions.

Forecasts for December 2012 through June 2013 are now available at www.cpc.ncep.noaa.gov/products/NMME/. Both NMME and International MME (IMME) forecasts can be accessed from this page. Forecasts are presented for the following fields:

- 2-meter surface temperature (global and North America)
- Precipitation rate (global and North America)
- Sea-surface temperature (global and Nino3.4-region)

Mean spatial anomaly forecasts and probability forecasts can both be accessed from the homepage. This month, the NMME is comprised of six models: NCEP CFSv2, CMC CanCM3 and CanCM4, NCAR CCSM3.0, GFDL CM2.1, and NASA. The CFSv1 has retired and moved to Florida. Also this month, NMME will begin posting skill maps and skill-masked forecast maps for the International MME. These will become available over the next few weeks, via the "International MME" link from the homepage.

3. WCRP CLIVAR-GEWEX African Climate Panel Launch Newsletter on African Climate

The CLIVAR-GEWEX African Climate Panel, sponsored by the World Climate Research Programme (WCRP), have launched the Newsletter for the African climate research community to share new research results, funding, training opportunities and events, and to share programmatic news. www.clivar.org/sites/default/files/VACS/Newsletter/Africa_Newsletter_Nov12.pdf

This first issue is dedicated to short notes from the fellows of the fellowship scheme of the DFID-Met Office Climate Science Research Partnership (CSRP) for Africa. We invited the CSRP fellows to contribute short articles outlining their work, regardless whether they are just starting out or reaching completion, as an opportunity to publicize their work. The release of the first issue has been timed to coincide with the CLIVAR Exchanges Special Issue on Africa (Exchanges No. 60, September 2012 - <http://www.clivar.org/publications/exchanges>) that gives an overview of key on-going African climate science coordinated research programs.

The Newsletter will be produced quarterly and we welcome articles from individual scientists to share their own work as well as collections of articles from research groups or projects that wish to share with the community their activities. Please email the International CLIVAR Project Office (icpo@noc.ac.uk) if you are interested or would like more information.

4. U.N. Develops Global Framework for Climate Services

In its first-ever "extraordinary session," the United Nations World Meteorological Organization put together a framework for global climate predictions to guide predictions used by policy makers and the general public for crop production, infrastructure planning, and disease management. Its goals are to help people understand the strengths and weaknesses of climate modeling tools, and to effectively scale global predictions into regional decision-making. For additional information, see the [pre-meeting press release](#), [the draft plan \(PDF\)](#), and a [post-meeting news account](#).

5. The National Academies Division on Earth & Life Studies Releases Report of Sea Ice Predictions

Understanding and projecting future sea ice conditions is important to a growing number of stakeholders, including local populations, natural resource industries, fishing communities, commercial shippers, marine tourism operators, national security organizations, regulatory agencies, and the scientific research community. However, gaps in understanding the interactions between Arctic sea ice, oceans, and the atmosphere, along with an increasing rate of change in the nature and quantity of sea ice, is hampering accurate predictions.

The report: Seasonal-to-Decadal Predictions of Arctic Sea Ice: Challenges and Strategies (<http://dels.nas.edu/Report/Seasonal-Decadal-Predictions-Arctic/13515>) finds that satellite data show that during each of the past six summers, sea ice cover has shrunk to its smallest in three decades. The composition of the ice is also changing, now containing a higher fraction of thin first-year ice instead of thicker multi-year ice. Another key finding highlights that the most important step to advance sea ice prediction over seasonal to decadal time scales is to establish sustained and coordinated collaboration among the sea ice data user, modeling, and observation communities.

6. COAPS Regional Downscaling Datasets Available through Florida Climate Institute Website

The COAPS Regional Downscaling for the Southeast United States datasets are the result of a USGS-funded collaborative project. They consist of two main components: downscaling of Global Reanalyses (sub-project CLARReS10) for the period 1979-2000, and downscaling of Global Climate Models (sub-project CLAREnCE10) for the periods 1968-2000 and 2038-2070. Find more information here: (<http://floridacclimateinstitute.org/resources/data-sets/regional-downscaling>)

- CLARReS10: Dynamically downscaled data from global reanalysis that offers gridded datasets of several meteorological variables. There are two versions of this dataset: CLARReS10-R2 (downscaled from global NCEP-NCAR reanalysis) and CLARReS10-ERA (downscaled from global European reanalysis).
- CLAREnCE10 : Dynamically downscaled data from three IPCC AR4 models (CCSM3, GFDL2-1, and HADCM3) for the current century (1968-2000) and future climate (2038-2070) under the AR4 A2 emission scenario. The regional climate model used here is identical to that used in CLARReS10.

7. Ocean Leadership Accepting Applications for 2013 Marine Geoscience Leadership Symposium

Ocean Leadership is now accepting applications for the 2013 Marine Geoscience Leadership Symposium. The symposium will be held on March 11-15, 2013 in Washington, DC. Eligible scientists should have completed their Ph.D. between December 2009 and December 2012. Applicants will be recruited from all subfields of marine geology and marine geophysics, including sedimentary geology, geochemistry, marine geophysics, microbiology, marine seismology, paleoceanography, tectonophysics, volcanology, hydrogeology, igneous petrology, and many more. Selected participants will receive full participation support.

See the Ocean Leadership website for more details: (<http://www.oceanleadership.org/education/mgls/2013-symposium/>). Please read the following and submit all of the required materials to: (mgls@oceanleadership.org). The materials should be submitted in one email with each item as a separate attachment (PDF preferred). **Deadline to apply is December 16, 2012.**

Announcements of Opportunity

1. NSF Call for SEES Fellows

NSF's Science, Engineering, and Education for Sustainability (SEES) activities support interdisciplinary research and education needed to overcome the barriers to sustainable human well-being. SEES activities span the entire range of scientific domains at NSF. Within the Social, Behavioral and Economic Sciences (SBE), NSF wants to foster research that bridges the gap between basic research in the SBE sciences and national-level practice and policy related to environmental science and engineering. To further engage inter-agency collaboration and linkages, NSF is especially interested in developing research scholars with expertise in any of the SBE fields who seek to engage in SEES related activities in partnership with the National Oceanic and Atmospheric Administration (NOAA), enriching the integration of SBE into their practice. NSF seeks to promote funding opportunities that enable SBE scientists to expand their core expertise through residence at a NOAA facility, collaboratively working with NOAA scientists and policy-makers.

The NSF Program on Science, Engineering, and Education for Sustainability Fellows (SEES Fellows: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504673) is one such opportunity. This solicitation requires that applicants develop a research partnership. SBE and NOAA believe that NOAA facilities provide an opportunity for such partnerships between SBE scientists and NOAA staff. This opportunity is open to early-career scholars. Awards provide salary support, research expenses and travel support for a maximum of three years. **Proposals are due November 26, 2012.**

Potentially interested applicants are urged to first review the NSF solicitation on Science, Engineering and Education for Sustainability Fellows and then to consult, Dr. Linwood Pendleton, NOAA Chief Economist (linwood.pendleton@noaa.gov) at NOAA in order to identify potential opportunities at NOAA. Proposals will ultimately be submitted by the scholar to the SEES Fellows competition at the NSF. Questions about this announcement or other NSF-specific issues can be addressed to Dr. David McGinnis (dmcginni@nsf.gov). More information about NSF's SEES investment area in general can be found on the SEES webpage at: (<http://www.nsf.gov/sees/>).

2. NSF Interdisciplinary Research in Hazards and Disasters (Hazards SEES) Program Solicitation

To help develop the workforce in the area of sustainability science and engineering, this solicitation invites postdoc Fellow proposals that cross traditional disciplinary boundaries and address issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth and societal needs. The prospective postdoc Fellows' proposed investigations must be interdisciplinary, allowing research experience to be obtained beyond their current core expertise. Fellows are required to develop a partnership that will advance and broaden the impact/scope of the proposed research. Partners may include, but are not limited to, a NSF center, facility, or Research Coordination Network, state, regional or local resource management agency, Non-Government Organization, foreign institution or international organization. This would include work at NOAA laboratories and centers, including NCEP. Natural hazards can include climate extremes, e.g., droughts, floods, winter storms, tropical cyclones/hurricanes, severe storms/tornadoes, and heat and cold waves. **Proposal submission closing is February 4, 2013.** For more information, visit the NSF program solicitation webpage: (<http://www.nsf.gov/pubs/2012/nsf12610/nsf12610.htm>).

3. NASA Call for Proposals: NASA ICESat and ESA CryoSat-2

NASA solicits proposals for investigations that derive geophysical information from NASA's Ice, Cloud, and land Elevation Satellite (ICESat) and the European Space Agency's CryoSat-2. Proposals are encouraged that (a) create long term, integrated records of changes in the polar ice sheets on land and sea; b) characterize processes of ice change; c) carry out comparative and integrative studies of the ICESat and CryoSat-2 observations including calibration and validation; (d) integrate data from other satellites and NASA's IceBridge mission to enhance the utility of ICESat and CryoSat 2 observations; and (e) carry out any innovative investigations using ICESat and CryoSat 2 observations for research ice sheets, sea ice, glaciers, snow, ecosystems and vegetation, atmosphere and clouds, oceanography, and land surface processes. For more information visit: [ROSES-12 Amendment 19: New Opportunity in ROSES-12 via Appendix A.49. Studies with ICESat and CryoSat-2.](#)

Notices of Intent are requested by **December 10, 2012**, and proposals are due by **February 15, 2013**. Questions concerning this program may be addressed to Thomas Wagner, Earth Science Division, Science Mission Directorate, NASA Headquarters, (thomas.wagner@nasa.gov).

4. NSF Ocean Sciences Postdoctoral Research Fellowships

The Division of Ocean Sciences (OCE) offers Postdoctoral Research Fellowships to increase the participation of under-represented groups in the ocean sciences. Awards are intended to support the individual fellows' research and increase the diversity of the U.S. ocean sciences research community. In this solicitation, the term under-represented groups will refer to and include the following: women, persons with disabilities, African Americans, Hispanics, Native Americans, Alaska Natives, and Pacific Islanders. Fellowships are awards to individuals, not organizations, and are administered by the fellows. Current closing date for applications: **Jan 14, 2013**. For more information, visit the NSF website: (http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503668).

Meetings and Workshops

1. [U.S. CLIVAR Town Hall – Science Plan for the Post-2013 Era](#)

**AGU Fall 2012 Meeting, Moscone Center, San Francisco, CA
December 4, 12:30-1:30pm, Room 2016 (Moscone West)**

The U.S. CLIVAR SSC is currently drafting a new U.S. CLIVAR Science Plan. The Plan will outline key outstanding science questions and identify new goals and objectives to guide research directions over the next 15 years. A review-draft version of the Plan will be available in Spring 2013 for an open public review period during which comments and input will be invited. Prior to the public review, the U.S. CLIVAR SSC will preview elements of the Plan (e.g., mission, research challenges, science questions, goals and cross-cutting strategies) during an AGU Town Hall meeting, inviting audience questions and feedback. Lunch will be provided.

2. [U.S. CLIVAR ENSO Diversity Workshop](#)

**UCAR Center Green Conference Center
Boulder, CO
February 6-8, 2013**

Poster abstract submission deadline: November 20, 2012

It is well known that no two ENSO events look alike. Over the last decade, the longitudinal location of warming during El Niño events has received a large attention due to its influence upon atmospheric teleconnections and remote impacts. Several different approaches, indices, and definitions have been introduced to categorize the various El Niño flavors. While the literature on this topic is extensive, there are still many open questions about the existence of a continuum versus preferred longitudes of maximum warming, dynamical processes, impacts, possible precursors, and the ability to predict the different flavors. It is also unclear whether observational and ocean analysis datasets are consistent in reproducing the various aspects of ENSO diversity, and of adequate duration to provide a statistically significant characterization of the different flavors. Proxy data are a promising approach, and the information they provide needs to be explored and compared with other observations and models.

The workshop is intended to provide a venue for discussion and synthesis of all the above aspects of ENSO diversity. It will include oral and poster presentations, with ample time for discussion to identify key directions for future research.

3. U.S. CLIVAR-sponsored International Workshop - Understanding the Response of Greenland's Marine Terminating Glaciers to Oceanic and Atmospheric Forcing

near Boston, MA

June 4-7, 2013

The widespread retreat and speedup of marine-terminating outlet glaciers in Greenland over the past two decades has led to a doubling of the ice sheet's contribution to sea level rise and increased the freshwater input to the North Atlantic. Its coincidence with a period of oceanic and atmospheric warming suggests a common climate driver. Yet the forcings and mechanisms behind these dynamic responses are poorly understood and either missing or crudely parameterized in climate and ice sheet models. Progress on this complex topic requires a collaborative, international, cross-disciplinary and multi-faceted approach. With this workshop, we seek to bring together oceanographers, glaciologists, atmospheric and climate scientists, including observationalists, modelers, and theoreticians, working on all aspects of this problem. A whitepaper initiated by the U.S. CLIVAR Working Group on Greenland Ice Sheet Ocean interactions (GRISO) serves as background to this workshop. It can be downloaded here: (<http://www.usclivar.org/working-groups/greenland-ice-sheet-ocean-interactions/>).

Organizing Committee:

F. Straneo (WHOI, USA); P. Heimbach (MIT, USA); O. Sergienko (GFDL, USA); C. Bitz (UW, USA); G. Catania (U. Texas, USA); G. Hamilton (U. Maine, USA); S. Price (LANL, USA)

Scientific Steering Committee*:

R. Bindshadler (NASA/GSFC); D. Bromwich (Ohio St., USA); A. Jenkins (BAS, UK); H. Johnson (Oxford U., UK); I. Joughin (APL-UW, USA); D. Menemenlis (JPL/Caltech, USA); J. Mortensen (GINR, Greenland); R. Motyka (U. Alaska, USA); D. Roberts (U. Durham, UK); A. Vieli (U. Durham, UK); D. van As (GEUS, DK)

*includes Organizing Committee Members

Position Announcements

1. Director

Climate Program Office, NOAA, Silver Spring, MD

NOAA Research is looking for an innovative leader to serve as the Director for our [Climate Program Office](#) (CPO). Highly qualified candidates will demonstrate a combination of strong scientific credentials and experience in leading large scientific programs and in collaborating with diverse climate stakeholders.

The CPO Director is responsible for the development of climate science, services, and information products for use by national, regional, and local users both within and external to NOAA. The Director allocates and controls annually appropriated funds in order to maintain high quality activities to meet society's climate needs. In addition, the Director serves as a spokesperson for the NOAA Climate Program in meetings leading to the identification of significant research projects and the establishment of operational objectives, and the Director is the NOAA principal representative to the interagency U.S. Global Change Research Program.

This position, located in Silver Spring, MD, reports to the Deputy Assistant Administrator for Programs and Administration in [NOAA's Office of Oceanic and Atmospheric Research](#). This position is offered through USAJOBS as either a Permanent Federal position at the Senior Executive Service level (US Citizens only) or as a two-year Intergovernmental Personnel Act (IPA) assignment with the possibility to extend for an additional two years (US citizens or non-citizens who are permanent US residents and actively seeking citizenship). Additional information on IPA assignments is available on the [Office of Personnel Management website](#). The job announcement is open through **December 28, 2012**. Please direct questions about this position to Tim Ash (Timothy.K.Ash@noaa.gov, 301-713-6304).

2. Director

The University of Texas Marine Science Institute

The successful candidate must be a visionary, creative, entrepreneurial leader with strong external relations and management skills who can translate vision into reality. S/he must be an internationally recognized scientist with a Ph.D. in Marine Science or related field. The successful candidate must demonstrate a career record of scholarly achievements, and experience developing and participating in large collaborative research efforts would be a plus. Possessing professional stature, the successful candidate will have served on national/international committees, initiatives, scientific societies, etc.

The Director must be fiscally astute and have the operational experience and collaborative style to efficiently run this organization. As the academic and managerial leader, the successful candidate will work closely with faculty, students, junior researchers and support staff. The Director's management style should promote a collegial working environment. S/he will promote UTMSI's vision for the future and possess the skills to bring the vision to reality. Candidates may come from academe, not-for-profit organizations, government or the corporate sector (e.g. U.S. environmental consulting firms). Wherever experience has been gained, the successful candidate should bring a network of contacts in the field of marine science. An integral part of the operation of the Institute relies upon private donations and legislative funding. Fundraising experience and skills and the ability to articulate information about and support for the Institute are necessary qualities. Philanthropic contacts are ideal.

The Director must possess a keen intelligence, professional presence, and excellent communication skills. S/he must be a gifted ambassador – an individual who can relay compellingly the UTMSI story. As the “face” of the organization, the Director must be at ease with others and find enjoyment in networking and making friends for UTMSI locally, in the U.S., and globally. Strong public speaking skills are desired. The ability to build visibility and market the organization is a requisite. The successful candidate will possess exceptional interpersonal skills and be a consummate diplomat capable of relating to all constituencies – Dean of the college, legislators, scientists, staff, Board, local Texas community, institutional partners, funding sources, and global ocean science organizations.

The Director must be willing to travel approximately 20%-30% of the time, some of which will be day trips, including Austin. Click here for full position description and to apply: (<http://www.oceanleadership.org/wp-content/uploads/2012/11/Position-Specification-UTMSI.pdf>).

3. Assistant or Associate Professor, Paleoceanography University of South Florida

The College of Marine Science at the University of South Florida invites applications for a tenure-track, nine-month academic faculty position at the rank of Assistant or Associate Professor. We are seeking a Paleoceanographer who will contribute to an understanding of the ocean/climate system, past, present, and future. Qualified candidates will employ modern tools of multi-disciplinary science to understand global issues critical to the ocean system.

Candidates will be selected on the basis of their potential to conduct transformative research within their discipline, their productivity with respect to acquisition of external research funding and peer reviewed publications, and a potential for outstanding mentoring and teaching. The successful candidate would be expected to contribute to core courses in oceanography and teach specialty courses at the graduate level.

Minimum Qualifications (Education & Experience): Must have a PhD in a relevant scientific discipline at the time of hire, with an emphasis in paleoceanography.

Preferred Qualifications (Education & Experience): Should be capable of interacting with colleagues in multi-disciplinary oceanographic research.

Additional Information for Applicants: For the Assistant Professor rank, candidates should have a strong potential for scholarly publication and obtaining extramural research funding, and be committed to quality instruction and mentoring of graduate students. For the Associate Professor rank, candidates should have an outstanding record in research, including a substantive publication record, evidence of success in attracting extramural research funding and be committed to quality instruction and mentoring of graduate students.

Please submit a cover letter stating qualifications. Please append research and teaching statements, curriculum vitae, and contact information for three referees. This position is open until filled, however, priority review of applications will begin by **January 7, 2013**. Appointment is expected to commence Fall 2013. To apply, please go to: (<https://employment.usf.edu>).

4. Assistant Professor Global Environmental Change Dartmouth College

The Department of Geography at Dartmouth College (www.dartmouth.edu/~geog) seeks an Assistant Professor with a specialty in climatology, climate change, or climate modeling. We welcome applications from candidates with an established record of excellence in teaching and research to augment and complement departmental existing strengths in physical/environmental geography. Candidates should hold a Ph.D. or be in the final stages of a Ph.D. program. Please send letter of application, email address, vitae, reprints, and names and contact information for three referees by **December 15, 2012**. With an even distribution of male and female students and over a third of the undergraduate student population members of minority groups, Dartmouth College is committed to diversity and encourages applications from women and minorities. Apply: Frank Magilligan, Search Committee Chair, Department of Geography, 6017 Fairchild Hall (geography@dartmouth.edu).

5. Tenure Track Position in Climate Science of Cold Regions CIRES, University of Colorado Boulder

The Cooperative Institute for Research in Environmental Sciences (CIRES, cires.colorado.edu), an interdisciplinary research institute within the University of Colorado Boulder, seeks a junior tenure-track appointment specializing in climate science of cold regions. Subjects of special interest to CIRES include sea ice, ice sheets, glaciers, and permafrost. The successful applicant will create a research program with productive collaborations both within and outside of CIRES leading to novel insights about climate mechanisms in cold regions, which may include the collection and analysis of original data. Candidates who employ technologies including satellite remote sensing, suborbital data acquisition, ground-based instrumentation or advanced earth system models in ways that enhance existing expertise within CIRES are particularly desirable. The successful candidate will have a tenure track affiliation in a relevant academic department, including, but not limited to, Geography or Atmospheric and Oceanic Sciences. The distribution of effort will be 40% research, 40% teaching, and 20% service. Minimum education requirements include a PhD in Atmosphere Science, Geography, Physics or a related field.

Applications must be submitted here: (www.jobsatcu.com, posting #819483). Alternative formats of the job posting can be provided upon request for individuals with disabilities by contacting: (hr-ada@colorado.edu). The University of Colorado Boulder conducts background checks on all final applicants. Review of applications will begin **December 1, 2012** and will continue until a successful applicant is selected. Questions can be sent to Professor Mark Serreze (Chair of the Search Committee, mark.serreze@Colorado.EDU).

6. Postdoctoral Position in Current and Future Extreme Temperature Events University of California, Davis

A postdoctoral scholar position is available in simulation of climate extremes in temperature that affect California. The position resides in the research program of Prof. Richard Grotjahn at the University of California, Davis, Department of Land, Air and Water Resources. The successful applicant will work closely with Prof. Grotjahn and his graduate students on projects related to the simulation, synoptics, and dynamics of the large scale flow associated with extreme events in temperature that affect California. This project combines expertise in atmospheric dynamics and synoptics, extreme value statistics, and climate modeling.

Tasks include modifying and creating computer codes to perform various statistical and dynamical analyses of reanalysis and climate model data. These tasks are performed on reanalyses and on global climate model data archived as part of the CMIP-5 project. Consequently, a PhD in an atmospheric or closely related science is required. Experience in FORTRAN programming is strongly preferred, though excellent knowledge of C++ should allow you to transition easily to FORTRAN programming. Knowledge of atmospheric dynamics and atmospheric modeling are strongly preferred. Good written and verbal communication skills are preferred. Also desired, but not required is experience with NCL, working with large datasets, and/or expertise in extreme value statistics.

Learning opportunities include developing your expertise in fields outside your current specialization(s). For example, an applicant highly knowledgeable in atmospheric dynamics will develop working knowledge of extreme value statistical procedures and climate modeling. The successful applicant will participate in writing reports, articles, and conference presentations. The successful candidate may participate in meetings such as the annual CESM workshop and/or AMS meeting. Also, Prof. Grotjahn is organizing an international workshop on these topics and is ICDM Secretary and a co-convenor of biennial IAMAS sessions on extreme weather and climate. The successful applicant will be encouraged to explore grant

writing. The successful applicant will have opportunities to participate in various instructional activities, including the new NSF IGERT on Climate Change, Water and Society.

The position is available now and it is open until filled. The initial appointment is for one year, with funding available for up to three years. Salary depends upon your level of experience and is competitive with a range of \$39,264 to \$49,884. The position includes vacation with supervisory approval and health care benefits (which includes family coverage). The position is covered by a collective bargaining unit.

To ensure consideration, please submit a complete application packet no later than **December 5, 2012**. This application should be submitted electronically to Prof. Grotjahn (grotjahn@ucdavis.edu). The application should include the following:

- A cover letter that outlines your interests and how they relate to this project. Include paragraphs that highlight your experience and your expertise in dynamics, synoptics, global modeling, statistics, and computer programming.
- Your CV. Ensure that it includes your contact information, your educational experience and degrees, lists of your publications and presentations, and any other academic information (e.g. TA experience) you feel is relevant. Please note that publication lists with active links to online papers are strongly preferred.
- Names and contact information for 3 references. The contact information should include postal mail address, telephone number(s), and email address for each reference.
- Transcripts of your graduate education. Preferred, but not required are transcripts of undergraduate education (such transcripts are especially useful if your computer programming or meteorology coursework was mainly as an undergraduate).

7. Voss Postdoctoral Research Associate 2013 Environmental Change Initiative, Brown University

Brown University's Environmental Change Initiative seeks candidates for two distinguished postdoctoral positions in interdisciplinary environmental science. Established in 2004, Brown University's Environmental Change Initiative (ECI) catalyzes collaborative research among 15 affiliated academic units and over 50 individual researchers. Particular strengths include coastal and marine ecology, biogeochemistry, Earth systems history, population studies, environmental sociology, remote sensing and spatial analysis, evolutionary genetics, ecosystem-based management, biogeography, and climate change adaptation. Emerging areas of emphasis include sustainable energy and the intersection of climate change with health and well-being. Brown University also maintains a cooperative research program with the Marine Biological Laboratory (MBL) in Woods Hole, including the Ecosystems Center and the Josephine Bay Paul Center in Comparative Molecular Biology and Evolution.

Requirements for the positions include a Ph.D. in an environmentally-related discipline, the ability to take initiative and work independently, and strong interest in interdisciplinary science. Each successful candidate will develop an independent research project mentored by two faculty members working in different fields at Brown University or the Marine Biological Laboratory. A list of ECI-affiliated researchers is here: <http://brown.edu/Research/ECI/people/affiliates.html>. Additional faculty members are eligible to mentor projects and should contact Martha Downs (martha_downs@brown.edu) for further information.

Prospective applicants must contact their proposed mentors to discuss their project ideas before applying. Positions will be two-year appointments in the Environmental Change Initiative. Associates receive a salary of \$50,000, plus benefits and a discretionary fund of \$5,000/year in addition to any research funds that may be directed to the project by mentors.

Required project proposal (1500 words maximum, excluding references): The proposal should describe how the project builds on the applicant's current work and how it relates to the research interests of the proposed mentors. Proposals will be judged on scientific merit, potential for building cross-disciplinary bridges, and an achievable research plan, given time and budgetary constraints. The project proposal is an essential component of the application package and applications without proposals will not be reviewed.

To apply, please submit the following items at <https://secure.interfolio.com/apply/20660>.

- Cover letter
- Current CV
- Project proposal (less than 1500 words)
- Three letters of reference from advisors or colleagues who know the applicant's work well. Letters should describe prior research experience and evidence of applicant's interest, capability, and potential in interdisciplinary environmental research
- Two letters of support from proposed mentors, describing the mentor's interest in the applicant and the proposed project and evaluating the preparation of this applicant to work effectively in an interdisciplinary environment.

For additional information, please contact Marty Downs, Associate Director of ECI: (martha_downs@brown.edu).

8. Operations and Maintenance Manager, Observatories Initiative The Consortium for Ocean Leadership

The Consortium for Ocean Leadership is pleased to announce the search for an Operations and Maintenance Manager, Observatories Initiative (OOI). This is a regular, full-time, exempt position. The position will report to the Senior Project Manager, OOI.

The Operations and Maintenance (O&M) Manager is responsible for providing leadership, direction and supervision to O&M staff including the O&M analysts and support staff, project engineers and technical staff, and contractors. Individual coordinates and manages the development and approval of O&M plans, policies and procedures. Coordinates, integrates, and oversees the day-to-day O&M activities of the OOI, ensuring efficient network operations, environmental compliance to Federal and state regulations and ensuring that the facility is operated in a safe, reliable, manner consistent with O&M sub-award agreements, permits, and rules, regulations and written instructions. Coordinates and validates the annual O&M schedules and budgets for each Implementing Organization (IO) and works through the OOI scheduling process to align the transition to operations with the construction schedule.

Qualified applicants must possess: (1) Degree in Ocean Engineering, Electrical Engineering, Mechanical Engineering, Systems Engineering, or related science or engineering field and a minimum of 10 years' experience in operations/maintenance management; (2) Demonstrated experience in O&M processes and technologies, preferably with marine facilities and equipment; (3) Experience with budgets, bid proposals, contract evaluation, basic accounting principles, and other O&M budgetary and fiscal processes; (4) Demonstrated ability to read and understand mechanical drawings, electrical one-lines, logic drawings, and technical manuals; (5) Experience in solving practical problems, communicating tasks and responsibilities, and training of other personnel and ability to make sound professional judgments and recommendations based on analysis and interpretation of data; (6) Demonstrated success in project management; (7) Strong leadership, organizational and communication skills, including knowledge of collaborative applications and tools; (8) Proven ability to manage and motivate subordinates; and (9) Ability to travel. PMP Certification and familiarity with scientific ocean observing activities and National Science Foundation program procedures preferred.

To apply, please forward cover letter, resume, salary requirement, and any other relevant application materials to (jobs@oceanleadership.org) with the subject line, "O&M MANAGER-OOI". Materials may also be mailed to Human Resources, The Consortium for Ocean Leadership, 1201 New York Avenue, NW, 4th Floor, Washington, DC 20005.

The Consortium for Ocean Leadership represents 95 of the leading public and private ocean research education institutions, aquaria and industry with the mission to advance ocean research, education and policy. Located in the heart of our nation's capital, Ocean Leadership offers a collegial work environment and excellent benefits. To learn more, please visit: (www.oceanleadership.org).