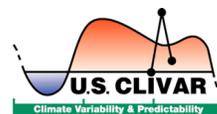


October 2011 U.S. CLIVAR News-gram



Please forward to interested colleagues. If you have announcements to include in our next issue or if you would like to be removed from the news-gram email list please email Cathy Stephens in the U.S. CLIVAR Office (cstephens@usclivar.org).

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Calendar of Upcoming Events

(for more information-www.usclivar.org/calendar.html)

NOAA Climate Diagnostics and Prediction Workshop	October 3-7	Dallas, TX
NRC BASC Fall Meeting	October 13-14	Washington, DC
NRC Ocean Studies Board Meeting	October 17-18	Washington, DC
CLIVAR Working Group on Coupled Modeling	October 19-21	Boulder, CO
CLIVAR/CLIC/SCAR Southern Ocean Panel Meeting	October 19-21	Boulder, CO

Interdisciplinary Climate Change Research Symposium	October 22-29	Colorado Springs, CO
WCRP Drought Information Group Meeting	October 23	Denver, CO
WCRP Open Science Conference	October 24-28	Denver, CO
USGCRP Town Hall Meeting	October 27	Denver, CO
International Conference on Energy & Meteorology	November 8-11	Gold Coast, Australia
GEWEX SSG Meeting	November 14-18	Rome, Italy
Earth Observation for Ocean-Atmosphere Interactions Science	November 29-December 2	Frascati, Italy
AGU Fall Meeting	December 5-9	San Francisco, CA

Announcements

1. The National Climate Assessment News - Technical Inputs and Assessment Capacity Related to Regional, Sectoral, and Cross-Cutting Assessments for the 2013 U.S. National Climate Assessment (NCA) Report and the Ongoing NCA Process

The deadline for EOIs describing anticipated inputs for the 2013 NCA report is October 1, 2011. As described in the Request for Information, the deadline for subsequent inputs for the 2013 NCA report remains March 1, 2012. Any questions about the content of this request should be sent to Emily Therese Cloyd, NCA Public Participation and Engagement Coordinator, U.S. Global Change Research Program Office, 1717 Pennsylvania Ave., NW., Suite 250, Washington, DC 20006, Telephone (202) 223-6262, Fax (202) 223-3065, e-mail ecloyd@usgcrp.gov. For more information about the NCA process, including the strategic plan, proposed report outline, and information about the NCA Development and Advisory Committee, please visit <http://assessment.globalchange.gov>.

NCA Newsletters can be found at: <http://www.globalchange.gov/what-we-do/assessment/news-archive>. To sign up for the newsletter, please email engagement@usgcrp.gov.

2. USGCRP Draft Strategic Plan for 2012-2021 Open for Public Comment

The website for public comments is now open. The url is: <http://strategicplancomments.globalchange.gov/>. The public comment period is from Friday, September 30 through Tuesday, November 29, 2011. Review and comments, either formally through the website or informally, are much appreciated. The plan will be revised quickly in response to public comments and the National Research Council full review (concurrent with the public comment period), with the goal of having a revised plan approved and cleared by the agencies in time for the President's Budget roll-out.

Announcements of Opportunity

1. The Partnerships for Enhanced Engagement in Research (PEER) program

The Partnerships for Enhanced Engagement in Research (PEER) program is now accepting proposals from developing country researchers interested in collaborating with their U.S.

counterparts. The full program solicitation can be found at <http://www.nationalacademies.org/peer>. The proposal deadline is November 30, 2011.

PEER is a new partnership between the U.S. Agency for International Development (USAID) and the National Science Foundation (NSF) that is designed to address development challenges through international research collaboration. This competitive grants program will allow scientists in developing countries to apply for funds to support research and capacity-building activities in partnership with their NSF-funded collaborators on topics of importance to USAID. Areas in which both NSF and USAID have strong mutual interests include, but are not limited to, the following:

- **Food security** topics such as agricultural development, fisheries, and plant genomics
- **Global health** issues such as ecology of infectious disease, biomedical engineering, and natural/human system interactions
- **Climate change** impacts such as water sustainability, hydrology, ocean acidification, climate process and modeling, and environmental engineering
- **Other development topics** including disaster mitigation, biodiversity, water, and renewable energy

Proposals are being accepted from researchers in 79 eligible developing countries, and all applicants must have a U.S. collaborator with an active NSF award. Complete eligibility details, proposal submission instructions, and the application form are available at <http://www.nationalacademies.org/peer>. PEER is being implemented by the National Academies on behalf of USAID, and potential applicants and U.S. collaborators with questions are invited to contact the program's staff at peer@nas.edu.

Meetings and Workshops

1. WCRP Open Science Conference 2011 **Denver, Colorado** **24-28 October**

Conference website: <http://www.wcrp-climate.org/conference2011/index.html>

Parallel session abstracts: <http://www.wcrp-climate.org/conference2011/parallel.html>

Poster session abstracts: <http://www.wcrp-climate.org/conference2011/posters.html>

2. 92nd Annual AMS Meeting **New Orleans, Louisiana** **22-26 January 2012**

Meeting website: <http://annual.ametsoc.org/2012/>

The theme of the 2013 AMS Annual Meeting is "Technology in Research and Operations—How We Got Here and Where We're Going."

3. 2012 Ocean Sciences Meeting **Salt Lake City, UT** **20-24 February 2012**

Meeting website: <http://www.sgmeet.com/osm2012/>

Abstract submission deadline: 7 October 2011

Submission website: <http://www.sgmeet.com/osm2012/submittal.asp>

Sessions of Interest:

020: Theory, Modeling, and Observations of Remote-sensed Propagating Waves and Eddies

Westward propagating Rossby waves and eddies are the most dominant feature of sea-surface height (SSH) variability on seasonal to decadal time scales, but other propagating waves such as Kelvin-waves or barotropic Rossby waves are also present, as well as observable in other remote-sensed products, such as sea-surface temperature (SST), chlorophyll, and even sea-surface salinity (SSS). Waves and other propagating features are of fundamental importance for the large-scale circulation owing to their role: 1) in the adjustment of the oceans to changes in the buoyancy and wind forcing, 2) in significantly contributing to the meridional transport of heat, salt, and nutrients. As a result, it is essential to represent such signals in numerical ocean general circulation models used for climate change studies. For this to be successful, however, much remain to be understood about the formation, propagation, decay, dynamics, and vertical structure of such signals. This session encourages contributions using Remote Sensing observations (altimetry, SST, and ocean color) and in-situ data (e.g., ARGO floats), as well as theoretical and modeling work, that can help refine the description and understanding of such waves and eddies, and how the surface signature of such signals relate to their vertical structure.

059: Ocean Climate Data Records

The National Research Council (2004) defines a Climate Data Record (CDR) as a time series of sufficient duration, quality, and continuity to accurately determine climate variability and change. For satellite-based CDRs, GCOS provides requirements in the form of essential climate variables (ECV) that share several characteristics including being long-term, consistently processed, highly accurate, and produced with associated uncertainties using systems that combine sustained, ongoing capacity with the latest community consensus science knowledge and best practices. Both satellite and in situ-based CDRs support a wide range of applications including climate change monitoring and numerical prediction, coral bleaching and disease, the oceans and human disease outbreaks, ocean circulation, and sea level change. Educational and operational applications involving interpretation of real-time information are also enabled and improved by the climatological context provided by CDRs. Presentations are welcomed that describe methods for Fundamental CDR production; the development and production of Thematic CDRs; the status of existing CDRs for the ocean and overlying atmosphere; the integration of CDRs into ocean and climate modeling activities; the challenges associated with determining CDR uncertainties; and results from the analyses of CDRs. The CDRs may be those derived from in situ, remotely-sensed, or a combination of methods, and include those related to any oceanographic discipline.

032, The Arctic and Subpolar North Atlantic as the Pacemakers for Climate Change

Arctic and Subarctic oceanic processes are critically important for regulating Earth's climate. As a part of a polar-amplification of climate change the polar areas are warming faster than most other regions of the world. The subpolar North Atlantic acts as a receptor for Arctic-driven climate variability and actively modulates and redistributes

climate signals. High-latitude oceanography and climatology are now strongly enhanced by continuing oceanographic monitoring of polar and subpolar basins involving new near real-time in-situ (profiling floats, seagliders) and remote sensing technologies, and by extensive ocean and climate modeling. In conjunction with historic observations and computer simulations these programs have led to important recent advancements in polar and subpolar oceanography and thus in planetary climatology. The session offers an opportunity to discuss new oceanographic data in the Arctic and North Atlantic regions and the ongoing analysis of these data, which in many ways improve our understanding of high-latitude oceanic processes. Of interest to the session are changes in water mass formation, changes in transports and water mass propagation, variability of heat, freshwater and salt content, and changes in their forcing mechanisms. Furthermore, presentations on exchanges between the Arctic and the subpolar North Atlantic and on various aspects of integration of observations and models are highly appreciated. Ocean climate change on decadal, centennial and longer time scale and its impact on regional and global climate is also of great interest to the session. Focusing on one particular interest to the RAPID community, we encourage presentations demonstrating transfer and transformation of the ocean climate signals passing from the Arctic and Subpolar North Atlantic to the lower latitudes.

4. 4th World Climate Research Programme International Conference on Reanalyses (ICR4)

**Silver Spring, Maryland, USA
7-11 May 2012**

Conference website: <http://icr4.org/index.html>

Abstract submission deadline: 6 January 2012

Submission website: <http://icr4.org/registration.html>

5. 3rd International Conference on Earth System Modeling (3ICESM)

**Hamburg, Germany
17-21 September 2012**

Conference website: <http://meetings.copernicus.org/3icesm>

The Conference aims to advance discourse on Earth system modeling prior to the 5th Assessment Report of the IPCC.

Conference Objectives:

- Sharing understanding of the major challenges facing reanalyses: the changing observing system and the integrated Earth system.
- Assessing the state of the disciplinary atmospheric, ocean and land reanalyses, including the needs of the research community for weather, ocean, hydrology and climate reanalyses.
- Reviewing the new developments in reanalyses, models and observations.

Position Announcements

1. Brown University – Tenure Track Position in Climate Modeling

The Department of Geological Sciences at Brown University announces a tenure-track faculty position in climate modeling. We seek to integrate climate and paleoclimate modeling as a component in our Earth System History research group, which is a leader in the use of multi-

proxy records to understand climate change and environmental response from deep time through the present. We invite applications from climate modelers with fundamental training in ocean, atmosphere, and/or climate dynamics and who could enhance Brown's strengths in paleoceanography, paleoclimatology, biogeochemistry, environmental change, planetary processes, and regional climate modeling and prediction. Experience in the application of climate system models and/or models of varying complexity to paleoclimate problems is preferred. This appointment will have opportunities to collaborate with colleagues in Brown's Center for Computation and Scientific Visualization, Department of Applied Mathematics, Center for Fluid Dynamics, Environmental Change Initiative, Center for Environmental Studies, and the Marine Biological Laboratory at Woods Hole. The successful candidate will be expected to maintain an active, externally funded research program and enjoy a commitment to teaching at both the undergraduate and graduate levels. Appointment is expected at the Assistant Professor level. However, applications and nominations of exceptional candidates at higher ranks will also be considered.

To apply, please email in PDF format a letter of interest addressed to Jim Russell (Chair of the Search Committee), a current CV, statements of research and teaching interests, and contact information for at least three references to ESHsearch@Brown.edu. Applications must be received by Dec. 16, 2011, in order to receive full consideration, but the search will remain open until the position is closed or filled. A Ph.D. is required at the time of the appointment. The anticipated start date of the position would be July 1, 2012. For more information visit <http://brown.edu/Departments/Geology/BrownGeoJobs.html>

2. University of Albany, SUNY – Assistant Professor Position

The Department of Atmospheric and Environmental Sciences (DAES) of the University at Albany, State University of New York, seeks applicants at the Assistant (tenure track) Professor level for one position, effective Fall 2012. This is a 10-month appointment that allows supplementary summer salary from research funding. Candidates with experience in the following two possible areas are encouraged to apply: Ocean – Atmosphere Interactions or Climate-Cryosphere Dynamics and Feedbacks. The ideal candidate for the first area would have a solid grounding in the theory of physical interactions and feedbacks between ocean and atmosphere on climate-relevant timescales (interannual or longer). The ideal candidate for the second area would have expertise in any aspect related to the cryosphere and its interactions with climate, using models, observations, remote sensing and/or theory. However, candidates whose research specialization complements existing research programs in the department are also encouraged to apply.

The successful candidate will be expected to carry out the responsibilities of a full-time faculty member in the DAES which includes (i) teaching at the undergraduate and/or graduate level, (ii) maintaining a strong externally funded research program, (iii) mentoring and supervising graduate students and (iv) participating, as necessary, in all service and programmatic activities of the Department, College and University.

Qualified candidates must have a doctorate in atmospheric, environmental or earth science, or a closely related field from a college or university accredited by the U.S. Department of Education or an internationally recognized accrediting organization. Candidates are expected to provide evidence that they can teach with distinction at the undergraduate and graduate level and be an effective mentor of graduate students. Applicants must also address in their applications their ability to work with and instruct culturally diverse populations. They must demonstrate ability to build and maintain a strong, externally funded research program.

Professional Rank and Salary Range: Commensurate with experience.
Starting Date: September 2012

Interested applicants should apply online via <http://albany.interviewexchange.com/candapply.jsp?JOBID=27484> and submit a detailed curriculum vitae (including publication reprints), a statement of research and teaching goals and the names and contact information of three references.

APPLICATION DEADLINE: October 30, 2011.

For more information about the DAES and this announcement, please refer to <http://www.atmos.albany.edu>

3. University of California, Davis – Assistant Professor Position in Regional Climate Change Modeling

The Department of Land, Air and Water Resources and the College of Agricultural and Environmental Sciences, University of California, Davis, invites outstanding scholars to submit an application for Assistant Professor in Regional Climate Change Modeling. This will be a 9-month academic year appointment with 11-month term employment to be offered and continued based on academic personnel review.

The successful candidate is expected to provide leadership and conduct innovative research related to regional climate change. The ideal candidate would link atmospheric processes with other components of the Earth system, especially the hydrologic cycle. Experience in developing or modifying regional or global climate models, in coupling regional and global climate models, or in applying such models to understanding complex and diverse regional-scale meteorological issues in California and other locations are preferred. Other desirable areas of research experience include: cloud microphysical processes; aerosol-cloud-radiation interactions; atmosphere-surface interactions (including greenhouse gas fluxes); greenhouse gas effects; statistical analysis of complex data sets; simulation error reduction, and use of remote sensing data. The candidate's research is expected to complement existing UC Davis research activities in large-scale and climate dynamics, mesoscale modeling, biomicrometeorology, boundary-layer meteorology, hydrology, Earth system modeling, paleoclimatology, and atmospheric chemistry. Potential areas of research may include predicting and understanding changes in precipitation and the hydrologic cycle, temperature, climate trends, extreme weather events, and atmosphere-ocean interactions.

A PhD in meteorology, atmospheric science, or a closely related discipline is required. Applicants for this position will be required to teach atmospheric science courses at both the undergraduate and graduate levels in topics such as climate modeling, geophysical fluid dynamics, cloud physics, and radiative transfer. Supervision of graduate students, student advising, curricular development, participation in outreach programs, and university service are expected. For additional information about the position, and to submit application materials, please visit <http://recruitments.ucdavis.edu>

Please include: (1) curriculum vitae; (2) names and contact information for three references; (3) description of current and projected research; (4) summary of teaching interests and experience; and (5) up to three publications, all in PDF format. For more information about the position, please contact Dr. Terry Nathan, Search Committee Chair, LAWR, tnathan@ucdavis.edu

4. University of California, Irvine – Assistant Professor Positions

a) The Department of Earth System Science at UC Irvine is recruiting a tenure-track Assistant Professor in the area of Climate Dynamics. We welcome applicants who use observations and/or models to examine physical processes regarding climate system variability and connections between different parts of the climate system. Candidates should complement the Department's existing strengths in atmospheric and oceanic sciences, ecosystems, climate & global change. Candidates are expected to develop an active research program, and to teach and direct research at the undergraduate, graduate, and postgraduate levels.

Please follow this link for further information:

<http://www.ess.uci.edu/opportunity/physcli20110919>

b) The Department of Earth System Science at UC Irvine is recruiting a tenure-track Assistant Professor in the area of atmospheric chemistry. We welcome applicants in all areas of atmospheric chemistry, including development and deployment of field instrumentation, detection and transformations of trace gases and aerosols, remote sensing, and modeling. Candidates should complement the Department's existing strengths in atmospheric chemistry, ecosystems, climate and global change. Candidates are expected to develop an active research program, and to teach and direct research at the undergraduate, graduate, and postgraduate levels.

Please follow this link for further information:

<http://www.ess.uci.edu/opportunity/atmchem20110919>

5. University of California, Los Angeles – Faculty Position in Climate and Atmospheric Dynamics

The UCLA Department of Atmospheric and Oceanic Sciences seeks outstanding applicants for a ladder faculty (tenure-track) position in climate and atmospheric dynamics. An appointment may be made at any level of seniority, though an assistant professor appointment is preferred.

All applicants with research interests within climate and atmospheric dynamics are invited to apply. The UCLA Department of Atmospheric and Oceanic Sciences is stimulating and collaborative, with longstanding traditions of excellence in Atmospheric Science, Oceanography, and Climate.

The successful applicant must hold a Ph.D (or equivalent) degree at the time of appointment and will be expected to contribute to the teaching mission of the department, at both the graduate and undergraduate levels. He or she will also be expected to lead or develop a first-rate research program, where graduate and post-graduate scholars are actively recruited, supported, and mentored. An interest in mentoring or outreach to underrepresented groups is also desirable. Salary will be commensurate with education and experience. The start date is negotiable, with a target of July 2012.

Please direct all applications and inquiries to:

Professor Alex Hall

Chair, Climate and Atmospheric Dynamics Search Committee

UCLA Atmospheric and Oceanic Sciences

Box 951565

Los Angeles, CA 90095-1565
email: alexhall@atmos.ucla.edu

In the application package please include: (i) a statement of teaching and research interests; (ii) curriculum vitae; (iii) a list of 3-5 individuals who are familiar with your work and can serve as a reference. **Applications postmarked prior to October 31, 2011** will receive full consideration. Please reference job #0965-1112-01.

6. University of Wisconsin: Postdoctoral Research Associate in High-Resolution Climate Modeling

Applications are invited for a postdoctoral research associate in parameterization of clouds and precipitation in climate models. The project seeks to improve high-resolution next-generation models, particularly in their simulation of precipitation, including extreme events. The project involves coupling a new cloud parameterization to a version of the Community Atmospheric Model (CAM) that contains a new state-of-the-art dynamical core. The new core is based on spectral elements on a cubed-sphere grid and scales well out to hundreds of thousands of processors. The research associate will seek to improve the formulation of the cloud parameterization, improve the numerical coupling of the cloud parameterization to the dynamical core, and understand the behavior of clouds in high-resolution global simulations.

The applicant will work with a highly collaborative team including Julio Bacmeister, Andrew Gettelman, and Peter Lauritzen at the National Center for Atmospheric Research (NCAR) in Boulder, CO, and Vincent Larson at the University of Wisconsin --- Milwaukee (UWM).

The position will be located at UWM and will involve visits to NCAR. The initial appointment will last for one year with the possibility of renewal for two additional years upon mutual consent.

Please send a statement of interest, CV, and the names of three references to Vincent Larson at vlarson@uwm.edu.

7. University of Wisconsin, Nelson Institute for Environmental Studies: Director Position

The University of Wisconsin-Madison welcomes applications and nominations for the position of director of its Gaylord Nelson Institute for Environmental Studies. This position is an opportunity for an integrative and creative leader to build upon the momentum of a growing and thriving interdisciplinary institute with deep roots extending back to Aldo Leopold and John Muir. The Nelson Institute has world-class strengths in studying climate change, sustainability, energy, environmental history, land use, water, biodiversity, and many other key issues of the 21st century.

The Institute is a unique hybrid that has its own tenured faculty and degree-granting programs while simultaneously synergizing the intellectual and institutional resources of one of the greatest gatherings of environmental scientists, scholars, and professionals in the world. Its successes are firmly grounded in collaborations that honor the values and objectives of the communities with which it works. The university is seeking a leader who can cultivate and inspire a diverse community of colleagues, students, and partners to strengthen relationships that advance the University of Wisconsin-Madison as a world leader in addressing environmental challenges.

The University of Wisconsin-Madison is a major land-grant university committed to excellence in teaching, research and public service with revenues of \$2.4 billion, a student body of approximately 42,000 and faculty/staff of 20,000. The director of the Nelson Institute has the

rank of a dean, reports to the chancellor and the provost, serves on the Dean's Council, and provides general leadership for environmental initiatives across the campus. The director promotes faculty, staff, and student collaborations and programs in interdisciplinary environmental scholarship, instruction, and community engagement.

Please see the following web sites for information about UW-Madison and the Nelson Institute: <http://www.wisc.edu/> and <http://www.nelson.wisc.edu/>

Candidates will be evaluated on the following professional and personal characteristics: commitment to the institute's mission and to maintaining and extending the scholarly values, academic breadth, and diverse missions of a public research university through interdisciplinary scholarship, teaching, and service; a record of successful leadership in higher education, business, or non-profit organizations; proven ability to build coalitions with diverse stakeholders; extensive experience and a strong track record in development and fundraising; commitment to shared governance with faculty, staff and students; and ability to work with external constituencies including state and federal government, business, non-profit agencies, community organizations, and alumni. Candidates must be qualified for tenure at the level of full professor at UW-Madison. In keeping with the university's goals and objectives, candidates will also be evaluated on their demonstrated commitment to the diversity of students, faculty and staff, to equal employment opportunity, affirmative action and non-discriminatory practices, and to advancing an inclusive climate that stimulates diversity. The University of Wisconsin-Madison has one of the strongest traditions of shared governance in the United States, and a successful director must be able to work effectively in this context.

Electronic applications and nominations must be received by 15 October 2011 to ensure consideration. Later applications and nominations may also be considered. The committee strongly encourages applications and nominations of women and persons of underrepresented groups. At a minimum, a nomination should include full contact information for the nominee, including an email address. An application should include a current resume or curriculum vita and a comprehensive cover letter that addresses how the candidate's strengths and experience match the qualifications for the position, and what the candidate sees as challenges and opportunities of the position, as well as the names, addresses, email addresses, and telephone numbers of five references. Candidates will be informed before references are contacted. Please note that in accordance with Wisconsin statutes the names of nominees and applicants who explicitly request confidentiality will not be made public. However, the university is required to release the names and titles of the finalists who will be interviewed by the chancellor. Applications and nominations should be submitted electronically to the Nelson Institute Director Search and Screen Committee at: Nelson-Institute-Search@secfac.wisc.edu Questions may be directed to the search committee office at 608-262-1677 or ehanneman@secfac.wisc.edu

8. NCAR Atmosphere and Earth System Postdoctoral Scientist in Cloud Data and Climate Model Analysis

The Climate and Global Dynamics Division, National Center for Atmospheric Research is looking for a post-doctoral scientist to evaluate and improve clouds in the Community Atmosphere Model and the Community Earth System Model, and work extensively with ground based, in-situ aircraft and satellite observations. The position is based in Boulder, Colorado, and will involve extensive collaborations with other laboratory and university scientists. Research will be focused on analyzing model output and observations collected by the Department of Energy Atmospheric System Research ground based and aircraft observations. The project will develop detailed comparisons to observations and use this information to

improve simulations of clouds using advanced single column and global versions of the model. Experience with analysis of cloud properties in satellite data, in-situ aircraft or ground based data, and/or analyses of model simulated cloud properties is preferred. Experience working on team projects is appreciated. The position is a new, full-time two-year term position. Please apply by October 28, 2011 at <http://tinyurl.com/Postdoct-Sci-12003>