

April 2012 U.S. CLIVAR Newsgram



Please forward to interested colleagues. If you have announcements to include in our next issue or would like to be removed from the newsgram e-list, email Jennifer Mays (jmays@usclivar.org).

Contents

Calendar of Upcoming Events

Announcements

1. NSF-Sponsored Climate Data Guide Available
2. Phase-I NMME Project Data Available
3. IPCC AR5 Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation Released
4. National Climate Assessment

Meetings and Workshops

1. Climate Change and California's Water Supply Workshop
2. CLIVAR VAMOS Workshop on Modeling and Predicting Climate in the Americas
3. Lower Atmospheric Observing Facilities Workshop: Meeting the Challenges of Climate System Science
4. Dynamics and Predictability of High-Impact Weather and Climate Events Workshop
5. 2012 AMOC Principal Investigators Meeting
6. International Science Conference on Climate Change: Multidecadal and Beyond
7. International Conference on North Atlantic Climate Variability
8. 20 Years of Progress in Radar Altimetry Symposium

Calendar of Upcoming Events

10 th International Conference on Southern Hemisphere Meteorology & Oceanography	April 23-27	Nouméa, New Caledonia
7 th CLIVAR Pacific Panel Meeting	April 28-29	Nouméa, New Caledonia
CFSv2 Evaluation Workshop (venue change to Raytheon Building)	April 30-May 1	Riverdale, MD
SOLAS Open Science Conference	May 7-10	Cle Elum, WA
4th WCRP International Conference on Reanalyses	May 7-11	Silver Spring, MD

Climate Change and California's Water Supply Workshop	May 15	Davis, CA
WCRP/IOC/ICES/PICES Second International Symposium: Effects of Climate Change on the World's Oceans	May 15-19	Yeosu, Korea
2012 NCAR ASP Summer Colloquium—The Weather-Climate Connection: Advances & Challenges	June 4-12	Boulder, CO
CLIVAR VAMOS Workshop on Modeling and Predicting Climate in the Americas	June 4-6	Petropolis, Brazil
VAMOS Panel Meeting	June 7-8	Petropolis, Brazil
19 th CLIVAR Scientific Steering Group Meeting	June 11-14	La Paz, Mexico
Lower Atmospheric Observing Facilities Workshop: Meeting the Challenges of Climate System Science	June 18-19	Boulder, CO
4 th AMMA International Conference	July 2-6	Toulouse, France
2012 US CLIVAR Summit	July 17-20	Newport Beach, CA
Dynamics and Predictability of High-Impact Weather and Climate Events Workshop	August 6-9	Kunming, China
2012 US AMOC Principal Investigators Meeting	Aug 15-17	Boulder, CO

Announcements

1. NSF-Sponsored Climate Data Guide Site Online

David P. Schneider and Clara Deser of NCAR announce the Climate Data Guide: Community Guidance, Discussion and Information site: <https://climatedataguide.ucar.edu/>

The NSF-funded Climate Data Guide produced by NCAR's Climate Analysis Section enables researchers, students and stakeholders worldwide to:

- **Search** for data sets used in climate analysis and model evaluation;
- **Learn** about data sets' strengths and limitations from expert-users;
- **Share** expertise and advice on data sets.

To date, 70+ data sets are profiled with succinct, readable descriptions of their key features, strengths, weaknesses, and typical uses. Links to download portals and relevant publications are provided. A growing number of pages feature expert perspectives from the community and vibrant, informative figures.

The Climate Data Guide aims to be a living repository of the climate community's collective wisdom on a broad array of observational data sets and their appropriate uses. Ten thousand unique visitors from over 130 countries make the Climate Data Guide a one-of-a-kind platform for increasing the visibility of climate data sets and studies assessing climate data. CLIVAR community members are encouraged to participate in this outreach effort and can get started by visiting:

<http://climatedataguide.ucar.edu/about/contribute-climate-data-guide>

2. Phase-I National Multi-Model Ensemble (NMME) Project Data Available

Monthly mean data (30-year hindcasts and real-time forecasts starting from August, 2011) for the three variables (SST, temperature, precipitation) from all the participating models in the Phase-I NMME Project are now available at the IRI data library:

<http://iridl.ldeo.columbia.edu/SOURCES/.Models/.NMME/>

Information about the NMME Project can be found at the NOAA NCEP Climate Test Bed (CTB) web site: <http://www.cpc.ncep.noaa.gov/products/ctb/>

3. IPCC AR5 Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation Released

The IPCC AR5 Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX) is completed and available. Visit <http://www.ipcc-wg2.gov/SREX/> for the full report, press release, and summary for policymakers.

4. National Climate Assessment

The 2013 National Climate Assessment (NCA) is being coordinated and drafted to fulfill requirements of the Global Change Research Act of 1990, which requires a report to the President and the Congress every four years that

- integrates, evaluates, and interprets the findings of the U.S. Global Change Research Program;
- analyzes the effects of global change on the natural environment, agriculture, energy production and use, land and water resources, transportation, human health and welfare, human social systems, and biological diversity; and
- analyzes current trends in global change, both human-induced and natural, and projects major trends for the subsequent 25 to 100 years.

Like previous U.S. assessments, this Assessment will evaluate the current state of scientific knowledge relative to climate impacts and trends. However, the process will differ in multiple ways from previous U.S. climate assessment efforts. For example, it will be a continuing effort rather than a periodic report-writing activity; include an evaluation of the Nation's progress in adaptation and mitigation; involve long-term partnerships with non-governmental entities; build capacity for assessments in regions and sectors; include new methods for documenting climate related risks and opportunities; and provide web-based information that supports decision making processes within and among regions and sectors of the U.S.

Starting late last year, author teams were formed to identify and incorporate technical input, draft chapters and suggest downstream products and processes to the National Climate Assessment Development Advisory Committee. The draft chapters are due June 1, 2012, and will be edited and synthesized into a complete draft Assessment Report through November 2012. Public, NRC and agency reviews will be conducted through 2013 with a final publication target of December 2013.

Visit the NCA website: <http://www.globalchange.gov/what-we-do/assessment/nca-overview> for more information on the Assessment, to sign up for the NCA newsletter, and to view recently-released reports, such as Workshop Report #7: Climate Change Modeling & Downscaling:
http://downloads.usgcrp.gov/NCA/Activities/Modeling%20and%20Downscaling_FINAL.pdf

Meetings and Workshops

1. Climate Change and California's Water Supply Workshop University of California-Davis May 15, 2012

Workshop website: <https://sites.google.com/site/climatechangeucd/climate-changes>

Abstract submission: CLOSED

Registration deadline: May 11, 2012

The University of California Davis Land, Air and Water Resources Department, along with the Air Quality Research Center are sponsoring this one-day workshop will address specific cutting-edge climate science issues vital to the changing water supply of California over the next few decades. Topics include climate projections and their principal uncertainties, the impact of climate change on the water supply and possible ramifications for agriculture, power generation, and riparian/delta ecosystems. Discussions will focus on developing sound public policy in response to and in anticipation of a changing hydro-climate. Focused presentations will be given by invited experts on current predictions and proposed responses.

2. CLIVAR VAMOS Workshop on Modeling and Predicting Climate in the Americas

**Laboratorio Nacional de Computação Científica (LNCC), Petropolis, Brazil
June 4-6, 2012**

Workshop website: http://www.clivar.org/organization/vamos/activities/modeling_wksp

Abstract submission deadline: May 5, 2012

The main goals of this workshop are to review the state of modeling research in the VAMOS domain related to: (i) sub-seasonal to multi-decadal climate prediction and (ii) understanding of dynamical and physical processes underpinning potential sources of predictability, variability and climate change. The workshop is organized around four themes:

- Simulating, Understanding and Predicting the Diurnal Cycle
- Predicting the Pan-American Monsoon Onset, Mature and Demise Stages

- Modeling and Predicting SST Variability in the Pan-American Seas
- Improving the Prediction of Droughts and Floods

Abstracts should be prepared using the template:

http://www.clivar.org/sites/default/files/VAMOS_abstract_form.doc and submitted to Carlos Ereño (carlos_ereño@yahoo.com).

3. Lower Atmospheric Observing Facilities (LAOF) Workshop: Meeting the Challenges of Climate System Science
Boulder, Colorado
June 18-19, 2012.

Workshop website: http://www.joss.ucar.edu/events/2012/lower_atmos_observing/index.html

Sponsored by NSF, the purpose of this workshop is to (1) examine the LAOF assets in light of emerging trends in interdisciplinary climate and earth system science, and (2) identify weaknesses in the capabilities of existing and emerging tools, and in the modes of deployment supported by these systems. Such observations facilitate the understanding of fundamental processes, which in turn provide an improved basis for parameterized representation in ESMs. To the extent that gaps need to be filled, the findings and recommendations of this workshop can be carefully evaluated by the broader climate system research community, the NSF/AGS, and institutions involved in support of the LAOF.

There is no fee to attend this workshop but space is limited so potential participants are encouraged to register online. A limited amount of travel support will be available to student and early career registrants.

4. Dynamics and Predictability of High-Impact Weather and Climate Events Workshop
Kunming, China
August 6-9, 2012

Workshop website: <http://icdm2012.csp.escience.cn/>

Poster abstract submission deadline: April 30, 2012

Online registration deadline: May 31, 2012

This international workshop, organized by the International Commission on Dynamical Meteorology with co-sponsorship of WCRP, WWRP and THORPEX, will bring together leading international scientists to explore the dynamics and predictability of high impact weather on timescales from short-range weather forecasting, through seasonal to decadal to climate prediction. The topics covered will include:

- Tropical cyclones
- Asian monsoons
- Drought
- Heat-waves
- Madden-Julian Oscillation (MJO)
- El Niño Southern Oscillation (ENSO)
- Mid-high latitude annular modes
- Mid-latitude cyclones

- Prediction of extreme events

Students have a reduced registration fee. Travel grant registration is closed.

**5. 2012 AMOC Principal Investigator Meeting
NCAR/UCAR Center Green Campus, Boulder, CO
August 15-17, 2012**

Meeting website: <http://www.joss.ucar.edu/events/2012/amoc/index.html>

Abstract submission deadline: May 18, 2012

The meeting will review progress on currently supported U.S. AMOC projects and, through four 'mini-workshops,' will examine near term priorities and future directions in four topical areas:

- The AMOC Observing System
- AMOC Fingerprinting from Historical and Proxy Data
- AMOC Mechanisms and Predictability
- AMOC's Impact on the Carbon Cycle

The meeting is open to all interested parties, but this year is intended to be primarily a U.S. AMOC Science Team meeting in which future directions and priorities of the program will be discussed. Researchers from outside the program are welcome to join the discussions and present the results of their research. However, there will be limited time for oral presentations, and the majority of abstracts submitted will have to be accepted in poster format.

**6. International Science Conference on Climate Change: Multidecadal and Beyond
National Taiwan University, Taipei, Taiwan
September 17-21, 2012**

Short abstracts deadline: May 31, 2012

Extended abstracts deadline: August 15, 2012

The conference, sponsored by the Taida Institute for Mathematical Sciences (TIMS) of National Taiwan University (NTU) in coordination with the NTU Department of Atmospheric Sciences (AS), will feature invited lectures to review the current knowledge on multidecadal to longer-scale climate variations. The main theme of the conference is focused on the observation and understanding of climate change, and the scope of the reviews will include theoretical studies, observational studies, and model simulations that address fundamental issues. The conference welcomes contributions in the form of oral or poster papers that are related to the main theme and the scope of the reviews. The Proceedings, consisting of invited lectures and referee-reviewed contributed papers, will be published by a scientific publisher.

Interested scientists wishing to receive future communications or submit abstracts should email: [tassist3\[at\]math.ntu.edu.tw](mailto:tassist3@math.ntu.edu.tw)

For all other inquiries, email: [cpchang\[at\]nps.edu](mailto:cpchang@nps.edu)

7. International Conference on North Atlantic Climate Variability
University of Hamburg, Germany
September 24-26, 2012

Conference website: <http://www.eu-thor.eu/meeting-calendar.620.0.html>

Abstract submission deadline: May 1, 2012

Jointly sponsored by EU-THOR and the German Federal Ministry of Education and Research North Atlantic Programs, the conference will explore the scientific understanding of Atlantic variability on a range of time scales, with a main focus of the role of the AMOC.

Scientists are invited to submit an abstract on one of the following themes:

- Observation Systems
- Natural Variability
- Key Processes
- Predictability
- Coastal Impacts

Abstracts (10-15 lines) should be submitted to: [thor.eu\(at\)zmaw.de](mailto:thor.eu(at)zmaw.de)

8. 20 Years of Progress in Radar Altimetry Symposium
Venice, Italy
September 24-26, 2012

Symposium website: <http://www.altimetry2012.org/>

Abstract submission: CLOSED
Early registration deadline: June 24, 2012

This year marks the twenty-year anniversary of the launch of ERS-1 and TOPEX/POSEIDON. To mark this occasion the European Space Agency, in collaboration with the French Space Agency, CNES, is organizing an exceptional Symposium on "20 Years of Progress in Radar Altimetry". The symposium will be organized around key papers, presenting the challenges we have overcome to develop our current understanding of the Earth's surface variations observed by altimetry, and the perspectives for future developments in each of the following themes:

- A Historical Perspective
- Advances in Our Understanding of the Open Ocean
- Advances in Our Understanding of Coastal Processes
- Advances in Our Understanding of the Cryosphere
- Altimetry over Land
- Altimetric Contributions to Gravity Field, Marine Geoid, Bathymetry Modeling and Orbit Determination
- Building the 20-year Altimetric Record: Challenges and Achievements
- Synergy between Altimetry, Other Data and Models: "the Integrated Approach"
- Outlook
- Outreach

During the Symposium week, several related altimetry events will take place, including the annual meeting of the Ocean Surface Topography Science Team (OSTST), the International Doris Service (IDS) Workshop and the Argo Science Workshop. Other thematic workshops (like Sea Level for Climate, Coastal Altimetry) are being organized in or around the same week.
