

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

2011 Meeting Sponsors

[NOAA's Earth System Research Laboratory](#)
[University Corporation for Atmospheric Research](#)
[Vaisala Group](#)
[National Council of Industrial Meteorologists](#)

2011 Meeting Organizers

Program Committee Co-Chairs: [Betsy Weatherhead](#) · [George Frederick](#)

Program Committee Members: [Lori Bruhwiler](#) · [Walt Dabberdt](#) · [John Lasley](#)
[Paul Pisano](#) · [Andea Ray](#) · [Scott Rayder](#) · [James Stalker](#) · [Andy Stern](#) · [Wendy Thomas](#)

2011 Meeting Support Staff

[Rhonda Lange](#) · [Judith Ziemnik](#) · [Gary Rasmussen](#)

2011 Meeting Theme

***Building a Stronger Weather and Climate Enterprise
 Keeping the Economy Moving***

The national and global economies have been reeling in recent times from major setbacks from various causes—not the least of which are those created by weather, water, and climate phenomena. The entire weather, water, and climate enterprise, which includes provider and user segments, has much to offer in recovering and building vibrant global economies. The Nationwide Network of Networks initiative has laid out a path forward in the United States to harness the power of multiple observing systems serving a multitude of users. One of the biggest challenges faced by the enterprise, however, is gauging the value and utility of various products and services to the user community. Common data and product needs are the key to efficient and effective service. At stake are hundreds of billions of dollars in economic productivity, protection of valuable resources and the safety of countless lives. This meeting features several user segments whose needs are critical and whose topics are timely for discussion. Particular areas of interest include: weather, transportation, renewable energy with emphasis on offshore wind and solar energy, environmental information services, carbon and greenhouse gas information products, human health, and climate with emphasis on drought and floods. The meeting features the first public gathering of the Summer Community Workshop of the Environmental Information Services Working Group, a part of NOAA's Science Advisory Board. This AMS meeting provides insight toward the next steps of coordinated, effective action and cooperation across all sectors of the enterprise to address these issues.

Purpose of these Annual AMS Summer Community Meetings

The American Meteorological Society, its Commission on the Weather and Climate Enterprise, and its Board on Enterprise Communication are proud to work with AMS Community members from all sectors (public, private, and academic), on a continuing basis, to advance the ability of the weather, water, and climate Community to meet our nation's, and the world's demand for products and services relating to weather, water, climate, and other closely allied fields. An important tool to help accomplish this objective is the AMS Summer Community Meeting. Held each August, at a location that is home to a concentration of Community members, the AMS Summer Community Meeting provides a venue for discussing timely topics of broad Community interest.

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011
National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado
 Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>
 People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

AGENDA

Day 1: Monday, 8 August 2011

12:45 PM Welcome by the 2011 Summer Community Meeting Program Committee Co-Chairs [Betsy Weatherhead](#), [CIRES](#) and [George Frederick](#), [Falcon Consultants](#)

Opening Comments by:

- ❖ [Len Pietrafesa](#), Commissioner, AMS Commission on the Weather and Climate Enterprise, North Carolina State University
- ❖ [Veronica Johnson](#), Chair of the AMS Board on Enterprise Communication, NBC Universal
- ❖ [Melinda Marguis](#), Chair of the AMS Board on Enterprise Economic Development, [NOAA's Earth System Research Laboratory](#)

1:00 PM Keynote Address, [Kevin Rennert](#), [U.S. Senate](#) Professional Staff

Session 1: Weatherproofing the Nation

1:30 PM Session Chair, [Scott Rayder](#), [ITT Corporation](#)

Estimating the economic value of the enterprise—the joint efforts of public, private and academic communities—to address meteorological and climate issues is both difficult and important. A panel of government, academic and business representatives address approaches to this challenge of identifying the economic value chain for weather data as it currently exists, how technology is changing it, the impact declining federal budgets will have on current business models, and what it means for the future of the overall enterprise. The presenters discuss their views on these issues and how changing budgets and business models may impact the current data needs that keep the enterprise strong, and what we can do to ensure the enterprise is positioned to address future trends.

1:35 PM [Ed Johnson](#), [NOAA's National Weather Service](#), *A Community Value Model for Weather and NOAA's Role in It*

1:45 PM [Brian Bell](#), [Global Science & Technology](#), *National Mesonet Program: Innovation in the Weather Enterprise*

1:55 PM [Barry Myers](#), [AccuWeather](#), *The Value of Private–Public Joint Efforts on Weather Products*

2:05 PM [Berrien Moore](#), [University of Oklahoma](#), *Weather Observations: What We Really Need*

2:15 PM [Jeff Lazo](#), [UCAR's National Center for Atmospheric Research](#), *Assessing the Economic Impacts of Weather*

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

2:25 PM Session Discussion

3:00 PM Networking Break

3:30 PM Keynote Address, [Wendy Naus](#), [Lewis-Burke Associates](#), *A Washington D.C. Perspective*

Deficit reduction has overtaken all debate in Washington, leaving an uncertain future for federal research and development funding and priority setting. Discussion will include an update on the latest cost-cutting strategies by Congress, what it means in terms of the outlook for federal agencies and programs important to the weather research community, and how the community can keep its priorities in the minds of policy makers.

Session 2: Weather Data Needs

4:00 PM Session Chair, [James Stalker](#), [Regional Earth System Predictability Research](#)

Evaluating data needs is a critical step in planning the monitoring systems of the future. A variety of approaches to identify the optimal data gathering approaches are presented, with efforts ranging from observing system simulations experiments, to testbeds on both broad and specialized applications of data products.

4:05 PM [Fred Carr](#), [University of Oklahoma](#), *Testbeds: Types, Characteristics, and Necessary Conditions for Success*

4:15 PM [Brenda Philips](#), University of Massachusetts, *Dallas Fort Worth Urban Demonstration Network*

4:25 PM [Marty Ralph](#), NOAA's [Earth System Research Laboratory](#), *Weather Data Needs: Examples from NOAA's Hydrometeorology Testbed*

4:35 PM [Yuanfu Xie](#), NOAA's [Earth System Research Laboratory](#), *Identifying Observation Needs Using Observing System Simulation Experiments*

4:45 PM Session Discussion

5:20 PM Sessions adjourn for the day

Networking Reception

5:30 to 7:00 PM Networking Reception for all attendees at Center Green. Join colleagues in an informal setting, allowing relationships to be built and strengthened.

What's New With the Weather?

After the Networking Reception, [UCAR](#) is sponsoring a public forum ([announcement](#), [program](#)) at the Chautauqua Community House in Boulder. Contact [Cindy Schmidt](#) for additional information.

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011
National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado
 Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>
 People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Day 2: Tuesday, 9 August 2011

7:15 AM Light Networking Breakfast for All Attendees

8:25 AM Call to Order: [Betsy Weatherhead](#), [CIRES](#) and [George Frederick](#), [Falcon Consultants](#)

Session 3: Transportation, Data Needs

8:30 AM Session Chair, [Paul Pisano](#), U.S. Department of Transportation

Weather significantly impacts safety on the nation's transportation system, (e.g., over 7,000 people die on the nation's roadways each year under adverse weather conditions), mobility (e.g., 70% of aviation delays are due to weather and it is also the second largest cause of non-recurrent congestion on the highways), and the economy (e.g., billions of dollars are lost in wages and tax revenues when snowstorms shut down roads). The solution to these problems is a combination of advanced weather monitoring and forecasting, translating weather information into transportation-based decisions, and using Intelligent Transportation Systems (ITS) as the means to communicate across all transportation users and operators. This session highlights cutting edge national initiatives aimed at improving the provision of weather data for transportation uses.

8:35 AM [Shelley Row](#), U.S. Department of Transportation, *Connected Vehicles, Mobility, and the Economy*

8:45 AM [Bill Mahoney](#), [UCAR's National Center for Atmospheric Research](#), *Realizing the Potential of Vehicle Based Observations*

8:55 AM [Brenda Boyce](#), [Mixon Hill](#), *The Clarus System*

9:05 AM [Dan Berler](#), [Mixon Hill](#), *Fixed and Mobile Data for Environmental Decision Making*

9:15 AM Session Discussion

10:00 AM Networking Break

Session 4: Transportation, The Economy

10:30 AM Session Chair, Jon Tarleton, [Vaisala Group](#)

Building on the talks in Session 3, this Session highlights specific needs and uses of transportation-related weather information. Specifically, this session highlights needs and gaps in the provision of this information for various public and private sectors, as well as the role of sector-specific weather information on the economic bottom line of various transportation users.

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

10:35 AM [Dave Barjenbruch](#), NOAA's [National Weather Service](#), *NWS Use of Road Weather Data for Public Safety*

10:45 AM [Dan Krechmer](#), Cambridge Systematics, *Weather Delay Costs to Trucking*

10:55 AM [Doug Bremicker](#), Weather Central, *Effects of Weather on the Global Transportation Market*

11:05 AM [Dave Cunningham](#), Denver International Airport, *Weather and Airport Ground Operations*

11:15 AM Session Discussion

12:00 PM Networking Lunch for All Attendees

Session 5: Solar Energy

1:00 PM Session Chair, [Andy Stern](#), NOAA's [National Weather Service](#)

Solar energy, whether individual photovoltaic installations on an individual's home, or a large scale installation, require weather and climate information for maximum economic efficiency. The challenges and barriers to large scale integration depend, in part, on our understanding of energy efficiency, including short-term and long-term estimates of solar energy available for energy conversion. Speakers in this session discuss challenges and barriers to achieving high penetrations of photovoltaic energy on the nation's electrical grid. Speakers describe forecasting, integration, and technical and economic challenges.

1:05 PM Keynote Address, [Keith Parks](#), Xcel Energy, *Wind and Solar Energy Integration in Colorado: Challenges and Solutions*

1:35 PM [John Manobianco](#), MESO Inc., *Major Challenges Forecasting Solar Irradiance and Power at the Commercial Scale*

1:45 PM [Richard Perez](#), SUNY-Albany, *High Solar Penetration: Challenges on Day-Ahead and Multi-Day Forecasts*

1:55 PM [Kevin Lynn](#), U.S. Department of Energy, *The SunShot Initiative*

2:05 PM [Mark Ahlstrom](#), WindLogics, *New Market Rules for Solar Energy*

2:15 PM Session Discussion

3:00 PM Networking Break

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Session 6: Off-Shore Wind Energy

3:30 PM Session Chair, [Andy Stern](#), NOAA's [National Weather Service](#)

Off-shore wind may be able to supply a steady, significant portion of energy needs in the future. Diverse views of the benefits and challenges to off-shore wind development are discussed from several perspectives. Topics range from data needs as described by two government agencies and an AMS group, to actual experiences working with developers.

3:35 PM [Jeff Freedman](#), AWS Truepower, *Data Needs Based upon Work with Developers in the Offshore Waters of the Atlantic, Gulf of Mexico and Great Lakes*

3:45 PM [Will Shaw](#), DOE's Wind and Water Power Program and [Pacific Northwest National Laboratory](#), *Summary from "Offshore Renewable Energy—Public Meeting on Information Needs for Resource Assessment and Design Conditions"*

3:55 PM [Angel McCoy](#), U.S. Department of the Interior/BOEMRE, *Data Needs for Lease Issuance and Longer Term Environmental Impacts*

4:05 PM [Len Pietrafesa](#), North Carolina State University and Coastal Carolina University, *Renewable Energy in a Coastal Zone: The Coastal Wind Field along the SC Coast from Observations and Modeling*

4:15 PM [David Green](#), NOAA's [National Weather Service](#), *Data Needs and the AMS Offshore Annual Partnership Topic*

4:25 PM Session Discussion

5:00 PM Sessions adjourn for the day

Networking Reception and Dinner Banquet

5:00 to 6:00 PM Networking Reception for all attendees at Center Green. Join colleagues in an informal setting, allowing relationships to be built and strengthened.

6:00 to 7:30 PM Dinner Banquet for all attendees at Center Green. Dinner tickets for guests will be available for sale, but must be purchased well in advance, so we can get the correct count.

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011
National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado
 Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>
 People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Day 3: Wednesday, 10 August 2011

7:00 AM Light Networking Breakfast for All Attendees

7:55 AM Call to Order: [Betsy Weatherhead](#), [CIRES](#) and [George Frederick](#), [Falcon Consultants](#)

Session 7: NOAA SAB EISWG Summer Workshop

8:00 AM Welcome by the EISWG Co-Chairs, [Nancy Colleton](#), [Institute for Global Environmental Strategies](#), and [Walt Dabberdt](#), [Vaisala Group](#).

The Environmental Information Services Working Group is a standing working group of NOAA's Science Advisory Board. The EISWG was established in 2009 and is charged with: 1) providing advice on improving communication among the sectors, 2) providing advice on incorporating scientific and technical capabilities to enhance NOAA products and services, and 3) being a sounding board regarding implementation of NOAA's Policy on Partnerships in the Provision of Environmental Information.

8:10 AM EISWG Session Chair, [Nancy Colleton](#), [Institute for Global Environmental Strategies](#)

This session provides an update on recent Environmental Information Services Working Group activities and accomplishments

8:15 AM [Ed Johnson](#), [NOAA's National Weather Service](#), *NOAA's Partnership Policy and its Five-Year Review*

8:45 AM [Chris Strager](#), [NOAA's National Weather Service](#), *NWS Roadmap: Building a Weather-Ready Nation*

9:20 AM [Peter Neilley](#), [The Weather Channel Companies](#), *Towards Open Weather and Climate Services—an EISWG Prospectus*. Attendees are encouraged to peruse the [draft prospectus](#).

10:00 AM Networking Break

10:25 AM EISWG Session Chair, [Walt Dabberdt](#), [Vaisala Group](#)

Prominent members of our community from the government, private, and academic sectors discuss their perspectives on the EISWG Prospectus *Towards Open Weather and Climate Services*.

10:30 AM [Jack Hayes](#), [NOAA's National Weather Service](#), *NOAA/NWS Perspectives on the EISWG Prospectus*

10:45 AM [Phil Ardanuy](#), [Raytheon](#), *Private Sector Perspectives*

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

11:00 AM [Linda Miller](#), [University Corporation for Atmospheric Research](#), *Towards Open Weather and Climate Services, A Unidata Academic Perspective*

11:15 AM Moderator, [Ron McPherson](#), [American Meteorological Society](#), a panel discussion of **Open Weather and Climate Services**

- ❖ [Ken Reeves](#), [AccuWeather](#)
- ❖ [John Snow](#), [University of Oklahoma](#)
- ❖ [Joe Friday](#), [NOAA's National Weather Service](#)

12:00 PM Networking Lunch for All Attendees. The Weather Coalition is holding a meeting during lunch that is not a part of the AMS Summer Community Meeting. Click [here](#) for the announcement. For more information, contact [Cindy Schmidt](#)

1:00 PM Keynote Address, [Matt Parker](#) CCM, [Savannah River National Laboratory](#), *Response to the Fukushima Daiichi Nuclear Plant Event—A Meteorological Perspective*

Session 8: Measuring Carbon and Managing Greenhouse Gas Data

1:25 PM Session Chair [Lori Bruhwiler](#), [NOAA's Earth System Research Laboratory](#)

Understanding the carbon cycle requires global and regional collaboration across a variety of countries, agencies, academic efforts and private entities. The use of satellite, ground-base, airborne data from a multitude of sources requires considerable coordination, cooperation and scientific leadership. The quality and transparency of these efforts will be critical to the success of the community and the value of the final products. Speakers from industry, academia and government will lend their insights into this complicated endeavor.

1:30 PM [Tim Stumhofer](#), [Greenhouse Gas Management Institute](#), *A Curated Overview of the Policy and Practice of Greenhouse Gas Monitoring, Reporting, and Verification*

1:50 PM [Pieter Tans](#), [NOAA's Earth System Research Laboratory](#), *Challenges for a Greenhouse Gas Observing System*

2:10 PM [Chip Miller](#), [Jet Propulsion Laboratory](#), *Measuring Atmospheric Carbon Dioxide from Space*

2:30 PM [Bob Marshall](#), [Earth Networks](#), *A New Global Greenhouse Gas Observation Initiative*

2:50 PM Networking Break

3:20 PM [Eric Webster](#), [ITT Corporation](#), *Current and Future Airborne Greenhouse Gas Measurements Methods and Benefits*

3:40 PM [Kristin Favela](#), [Southwest Research Institute](#), *AirCore® Miniaturization*

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society
2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

4:00 PM Andy Jacobson, [NOAA's Earth System Research Laboratory](#), *Towards Policy-Relevant Top-Down Global Greenhouse Gas Emission Estimates*

4:20 PM Session discussion

5:00 PM Sessions adjourn for the day

Day 4: Thursday, 11 August 2011

7:15 AM Light Networking Breakfast for All Attendees

8:25 AM Call to Order: [Betsy Weatherhead](#), [CIRES](#) and [George Frederick](#), [Falcon Consultants](#)

Session 9: Human Health

8:30 AM Session Chair, [Wendy Thomas](#), [American Meteorological Society](#)

Weather and climate have long been identified as major influences on human health. In the recent years, efforts have focused on further understanding of impacts and the development of products that can help improve quality of life and survival rates of at-risk populations. Part of the value of these efforts can be identified with reduced health care costs, as well as lives saved.

8:35 AM [Georges Benjamin](#), [American Public Health Association](#), *Predicting the Weather: Protecting Our Health*

8:45 AM [John Balbus](#), [National Institute of Environmental Health Sciences](#)

8:55 AM [Ben Beard](#), Centers for Disease Control and Prevention, *Climate, Vector Borne Diseases in the U.S., and Multi-Sector Partnerships*

9:05 AM [Chris Uejio](#), [UCAR's National Center for Atmospheric Research](#) and Centers for Disease Control and Prevention

9:15 AM [Craig Long](#), [NOAA's](#) Climate Prediction Center, *Ultraviolet Warnings for the Public*

9:25 AM [Tim Dye](#), [Sonoma Technology, Inc.](#), *AIRNow's Future: Success through Collaboration*

9:35 AM Session Discussion

10:00 AM Networking Break

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Session 10: Delivering Hydroclimate Information from Days to Decades

10:30 AM Session Chair, [Andrea Ray](#), NOAA's [Earth System Research Laboratory](#)

Hydroclimate information—from flood warnings to drought forecasts—is becoming an increasingly important part of public planning and private concerns. This session includes discussions of: the observations needed, what's needed from NOAA by private sector providers and consultants to support their business development, and the economic value of hydroclimate observations and products. The goal is to help define the roles of NOAA, the private sector, and universities with respect to hydroclimate services. The themes of observations and data networks, the economic value of hydroclimate observations, data services, and products are woven through the session.

10:35 AM [Dan Walker](#), [Computer Sciences Corporation](#), *Providing Hydroclimate Information for Commercial Operations: An Emerging Component of Effective Climate Services*

10:47 AM [Ben Harding](#), AMEC Earth & Environmental, *Meeting the Multi-Decadal Hydroclimate Information Needs of Water Supply Planners*

10:59 AM [Dan Reisinger](#), Camp Dresser & McKee, *Statewide Water Supply Planning: Addressing Water Needs Economically with Flexible Watershed Assessments*

11:11 AM [Dave Easterling](#), NOAA's National Climatic Data Center, *Delivering New Probable Maximum Precipitation Value Products*

11: 23 AM Session Discussion

12:00 PM Networking Lunch for All Attendees

1:00 PM Session Chair, [Andrea Ray](#), NOAA's [Earth System Research Laboratory](#)

1:05 PM [George Smith](#), [Riverside Technology](#), *Decision Support Systems and an application for Agricultural Decision Makers*

1:17 PM [Tim Schneider](#), NOAA's Office of Hydrologic Development, *The Integrated Water Resources Science and Services Framework: A New Interagency Project*

1:29 PM [Ilse Gayl](#), [OneRain](#), *Collaborating Smoothly on Rainfall Measurements to Maximize Benefits for Taxpayers and the Economy*

1:41 PM [Renee McPherson](#), [Oklahoma Climatological Survey](#), *Hydroclimatic Observations: An Excellent Opportunity for the Nationwide Network of Networks*

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

1:53 PM [Kevin Stewart](#), Urban Flood and Drainage District, *User Needs for Hydroclimate Information—a View from the Hydrologic Warning Community on Hydroclimate, Observations and Economic Value*

2:05 PM Session Discussion

Meeting Wrapup and Next Steps

2:30 PM Keynote Address, [Sandy MacDonald](#), NOAA's Oceanic and Atmospheric Research, *Summary Remarks: Planning in Challenging Times*

3:00 PM Networking Break

3:30 PM Meeting Summary and Next Steps for the Community; AMS Summer Community Meeting Program Co-Chairs, [George Frederick](#), [Falcon Consultants](#); and [Betsy Weatherhead](#), [CIRES](#) summarize the meeting key issues and engage all participants in a discussion of *Community Priorities and Next Steps*

4:45 PM Closing Remarks, AMS Board on Enterprise Communication Chair, [Veronica Johnson](#), NBC Universal

4:50 PM Closing Remarks, AMS Weather and Climate Enterprise Commissioner, [Len Pietrafesa](#), North Carolina State University

5:00 PM Meeting Adjourns

[First Page](#)
[Monday](#)
[Tuesday](#)
[Wednesday](#)
[Thursday](#)

[Session 1](#)
[Session 2](#)
[Session 3](#)
[Session 4](#)
[Session 5](#)

[Session 6](#)
[Session 7](#)
[Session 8](#)
[Session 9](#)
[Session 10](#)

[Wrapup and Next Steps](#)
[Individuals Participating](#)
[Organizations Participating](#)
[BEP's Call for APTs](#)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

196 Individuals Participated

| | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Abbas, Sharon | Feiereisen, William | Manobianco, John | Rosati, Toni |
| Ahlstrom, Mark | Fellows, Jack | Marquis, Melinda | Row, Shelley |
| Alexander, Joan | Ford, Bryce | Marshall, Bob | Rydell, Nezette |
| Andrews, Arlyn | Fowler, Mike | Marzullo, Frank | Scharfenberg, Kevin |
| Anthes, Rick | Frederick, George | McCoy, Angel | Schlatter, Paul |
| Arduany, Phil | Freedman, Jeff | McGuirk, Marjorie | Schmidt, Cindy |
| Atlas, Robert | Friday, Joe | McPherson, Renee | Schnieder, Tim |
| Balbus, John | Galli, Chris | McPherson, Ron | Schwartz, Marc |
| Ban, Ray | Gandrud, Bruce | Metzger, Thomas | Scott, Melanie |
| Banta, Robert | Gayl, Ilse | Miller, Chip | Seitter, Keith |
| Barjenbruch, Dave | Gaynor, John | Miller, Linda | Sharp, Justin |
| Beard, Ben | Green, David | Mohleji, Shalini | Shaw, Will |
| Bell, Brian | Hanel, Joe | Moore, Berrien | Smith, George |
| Bell, Marty | Hardesty, Mike | Murphy, John | Snow, John |
| Benjamin, Georges | Harding, Ben | Myers, Barry | Sprague, Jennifer |
| Benjamin, Stan | Harris, Thomas | Myers, Joel | Springer, Cory |
| Bennett, Steve | Hartsough, Lauren | Naus, Wendy | St. John, David |
| Berchoff, Don | Hasling, Jill | Navarra, Antonio | Stalker, James |
| Berler, Dan | Hayes, Jack | Neilley, Peter | Stern, Andy |
| Boyce, Brenda | Henson, Bob | Nicole, Kristen | Sternberg, Scott |
| Bremicker, Doug | Heppner, Paul | O'Connor, Amanda | Stewart, Kevin |
| Bruhwiler, Lori | Hermreck, David | Ohlemacher, Rick | Strager, Chris |
| Butler, Jim | Higgins, Paul | Orrego, Andres | Stumhofer, Tim |
| Byrd, Gregory | Hirschland, Matt | Pandya, Rajul | Tans, Pieter |
| Caldwell, David | Hooke, Bill | Parker, Matt | Tarleton, Jon |
| Callahan, Bill | Hudgens, Carol | Parks, Keith | Thomas, Bruce |
| Campbell, Paul | Hudson, Michael | Perez, Richard | Thomas, Wendy |
| Carr, Fred | Jacobson, Andy | Petty, Kevin | Thompson, Dale |
| Chen, Huilin | Jaeckle, Thomas | Phillips, Brenda | Titlow, Jay |
| Cheng, Chin-San | Johnson, Ed | Pichugina, Yelena | Trujillo, Kevin |
| Clifton, Andrew | Johnson, Veronica | Pietrafesa, Len | Turner-Valle, Jennifer |
| Cline, Joel | Jones, Bruce | Pinardi, Nadia | Uccellini, Louis |
| Colleton, Nancy | Kluck, Doug | Pirone, Maria | Uejo, Chris |
| Colman, Brad | Knotek, Michael | Pisano, Paul | Vieux, Baxter |
| Cortinas, John | Krechmer, Dan | Plavan, John | Vieux, Jean |
| Cunningham, Dave | Lange, Rhonda | Qualley, Warren | Wakimoto, Roger |
| Dabberdt, Walt | Lasley, John | Quesnel, Adrien | Walker, Dan |
| Doherty, John | Lazo, Jeff | Ralph, Marty | Walker, Stick |
| Dye, Tim | Leduc Clarke, Renee | Rasmussen, Gary | Weatherhead, Betsy |
| Easterling, Dave | Long, Craig | Ray, Andrea | Webster, Eric |
| Elliott, Dennis | Lowther, Ronald | Rayder, Scott | Weickmann, Klaus |
| Emch, Pam | Lucke, Nola | Redmond, Kelly | Westergard, Dick |
| Etherton, Brian | Lynn, Kevin | Reeves, Ken | Widder, Joel |
| Exner, Michael | Lyons, Buck | Reiser, Annie | Wilczak, Jim |
| Fahy, Tom | MacDonald, Sandy | Reisinger, Dan | Williamson, Sam |
| Falat, Kristina | Mahoney, Bill | Rennert, Kevin | Winkler, Julie |
| Favela, Kristin | Malay, Jon | Robeson, Deborah | Winokur, Robert |

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Witze, Alexandra
Wolfe, Eric

[Woll, Steve](#)
Worley, Steve

Wyse, Neil
[Xie, Yuan Fu](#)

Zdrojewski, James
[Ziemnik, Judith](#)

122 Organizations Participated

[AccuWeather](#)

AMEC Earth & Environmental

[American Meteorological Society](#)

AMS Headquarters

AMS Policy Program

[American Public Health Assoc](#)

Aon Benfield Impact Forecasting

[AWS Truepower](#)

Ball Aerospace & Technology

Bank of America Corporation

BAC/Merrill Lynch

California Institute of Technology

Caltech's [Jet Propulsion Lab](#)

Cambridge Systematics

[Campbell Scientific](#)

Capitol GR

CDC

CDM

CMCC

Coastal Carolina University

[Computer Sciences Corporation](#)

Denver International Airport

Desert Research Institute

Droplet Measurements Tech

Durango Herald

[Earth Networks](#)

EarthRisk Technologies

[Falcon Consultants](#)

[Global Science & Technology](#)

[GH Gas Management Institute](#)

Harris Corporation

Iberdrola Renewables

IEDRO

[IGES](#)

I.M. Systems Group

Integrity Applications

Intel

[ITT Corporation](#)

ITT Geospatial Systems

ITT Visual Information Solutions

Leosphere

[Lewis-Burke Associates](#)

[Lockheed Martin](#)

Michigan State University

[Midland Radio Corporation](#)

[Mixon Hill](#)

National Broadcasting Company

[NCIM](#)

[NHWC](#)

[NIEHS](#)

[NOAA](#)

[NOAA](#) / NESDIS

[NOAA](#) / NESDIS / NCDC

[NOAA](#) / National Ocean Service

[NOAA](#) / [NWS](#)

[NOAA](#) / [NWS](#) / OHD

[NOAA](#) / [NWS](#) / OST

[NOAA](#) / OAR

[NOAA](#) / OAR / AOML

[NOAA](#) / OAR / [ESRL](#)

[NOAA](#) / OAR / OPPE

[NOAA](#) / OFCM

North Carolina State University

Northrop Grumman Corporation

NorthWest Research Associates

NRG Systems

[Oklahoma Climatological Survey](#)

Oklahoma Water Resources Brd

Oldaker Group

[OneRain](#)

[Radiometrics Corporation](#)

[Raytheon](#)

[RESPR](#)

[Riverside Technology](#)

Savannah River Nuclear Solut.

[SAIC](#)

Science News

Scripps Institution

SEAR Technoloigies

Sentech

[Shade Tree Meteorology](#)

[Sonoma Technology](#)

Southwest Research Institute

SpectraSensors

SUNY Albany

The Oldaker Group

[The Weather Channel](#)

U.S. Department of Defense

DOD / Army Corps of Engineers

DOD / Navy

[U.S. Department of Energy](#)

DOE / NREL

DOE / [PNNL](#)

DOE / [SRNL](#)

U.S. Department of the Interior

DOI / BOEMRE

U.S. Dept of Transportation

DOT / FHWA

DOT / RITA / ITSJPO

[U.S. Senate](#)

[UCAR](#)

[UCAR](#) / COMET

[UCAR](#) / Communications

[UCAR](#) / [NCAR](#)

[UCAR](#) / [NCAR](#) Communications

University of Colorado at Boulder

Center for S&T Policy Research

[CIRES](#)

RASEI

University of Massachusetts

[University of Oklahoma](#)

University of Utah

UDFCD

[Vaisala](#)

Vieux Inc.

[Weather Central](#)

MyWeather.com

WeatherFlow

Weather Research Center

[WindLogics](#)

WXIX-TV FOX 19

Xcel Energy

American Meteorological Society**2011 AMS Summer Community Meeting - 8–11 August 2011**

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Call for AMS Annual Partnership Topic Nominations

The primary purpose of the **Board on Enterprise Planning**, a part of the AMS Commission on the Weather and Climate Enterprise, is to review issues of a long-term strategic nature of importance to the weather, water, and climate community as a whole. BEP will select one issue, called the **Annual Partnership Topic** (APT), each year from nominations submitted by members of our community. Nominations are encouraged from all community sectors: academic, government, private, and end user. BEP will evaluate each APT nomination using the evaluation criteria contained in the APT Nomination Form below. Any community member may comment on any APT or APT nomination.

Five APTs were previously approved on: Hurricanes Disasters, Mesoscale Observations, Mobile Observations, Offshore Wind Energy, and Integrated Water Resources. New APT nominations may be submitted at any time. Please refer to the APT Nomination Form below and follow its instructions to submit an APT nomination.

Thank you for your support and interest. If you have any questions, please let me know.

Regards,
Laura Furgione
Chair, Board on Enterprise Planning
AMS Commission on the Weather and Climate Enterprise
Laura.Furgione@noaa.gov, 301-713-0711

APT Nomination Form

(Submit to Laura Furgione by 1 December for nomination to be considered at January meeting)

Nominator's Name:

Nominator's Affiliation [organization]:

Nominator's Address:

Nominator's Telephone number(s):

APT Short Title:

APT Brief Description [6 lines or less]:

(continued on the next page)

American Meteorological Society

2011 AMS Summer Community Meeting - 8–11 August 2011

National Center for Atmospheric Research · Center Green Conference Center · Boulder, Colorado

Get the latest version of this agenda and participant list (a PDF file) from: <http://goo.gl/7bJdR>

People profile, organization profile, and document navigation hyperlinks are active in the PDF; click on them!

Please address the following questions in relation to the APT Selection Criteria [5 lines or less]:

1. Timeliness: Do you expect the results of the AMS annual partnership topic activities will be relevant to the weather, water, and climate enterprise in 2 years and beyond?

2. Breadth:

a. Is the topic of concern to many private sector, academic, and government organizations of various kinds [Sectoral breadth]?

b. Is the topic of concern to scientific, technological, policy, legal, and economic interests of various kinds [disciplinary breadth]?

c. Is the topic of broad interest to many kinds of government agencies (federal, state, local), many kinds of private sector organizations (both users and providers of weather, water, and climate information) and many kinds of academic / research institutions?

3. Impact: What is the impact the proposed APT is expected to have on the weather, water, and climate enterprise and on society as a whole? Please describe the impacts in tangible terms (e.g. the fraction of the U.S. and/or global economy affected) and/or intangible terms (e.g. potential legal and institutional effects).

4. Interest: What is your estimate of the likelihood of success in forming a committee, with members from all four enterprise sectors, to study the APT and in gaining multiple contributors to the topic?

5. Linkage: Does the APT have potential linkage to other planned activities? For example, a topic which is related to a planned activity by an organization other than AMS (e.g. the World Meteorological Organization)?