



## Annual Ocean and Coastal Program Managers' Meeting February 23-26, 2009

Washington Marriott  
1221 22<sup>nd</sup> Street NW  
Washington, DC 20004  
Phone: 202-261-9713

### Monday, February 23, 2009

7:30am-2:00pm **Registration** (*Second Floor Lounge - outside of meeting rooms*)  
9:00am-5:30pm **National Estuarine Research Reserve Association Meeting** (*Georgetown I*)  
8:30am-5:30pm **Coastal States Organization Membership Meeting** (*Dupont*)  
5:00pm-8:00pm **CSO Legal Council Meeting** (*Salon E*)

### Tuesday, February 24, 2009

7:30am-5:00pm **Registration** (*Second Floor Lounge*)  
8:00am-8:45am **Opening Plenary: Welcome & Charge for the Hill** (*Salon ABC*)  
*David Kennedy, Director, Office of Ocean and Coastal Resource Management*  
*John H. Dunnigan, Assistant Administrator, NOAA National Ocean Service*  
8:45am-9:30am **Legislative Priorities and Hill Training** (*Salon ABC*)  
*Kristen Fletcher & Andrea Geiger, Coastal States Organization*  
*Matt Menashes, National Estuarine Research Reserve Association*

#### **TRACK 1: CSO and NERRA Capitol Hill Coast Day**

9:30am **Depart for Capitol Hill Coast Day**  
10:00am-5:00pm **Capitol Hill Coast Day**  
*CSO/NERRA delegates and members*  
3:00pm-5:30pm **NOAA-State Leadership Forum** (*by invitation only*)  
**Department of Commerce Herbert C. Hoover Building, Room 4830**

Mary Glackin, Deputy Under Secretary for Oceans and Atmosphere  
John H. Dunnigan, Assistant Administrator, NOAA National Ocean Service

The NOAA-State Leadership Forum is primarily an informal, yet strategic, dialogue between NOAA and State Executives. The primary objectives are to share key NOAA and State coastal climate priorities and to identify critical items for a high-level action agenda that will help inform NOAA's coastal and climate agenda, and around which NOAA and the State executives should commit to remain engaged in order to address mutual priorities over the next year. Highlights will be shared during the Closing Plenary.

## TRACK 2: Concurrent Sessions at Hotel

Roundtable discussions/presentations on products/services/abilities related to various aspects of climate change and hazards and smart growth. Case studies will be used where appropriate. Full session descriptions are included with this agenda. The following topics will be offered:

10:00am-11:30am

### **Concurrent Roundtable Discussions A**

Session 1: Sea Level/Lake Mapping 101 (*Georgetown I*)

Session 2: Assessing your Community's Risk and Vulnerability (*Salon D*)

Session 3: Smart Growth and the Water's Edge (*Salon E*)

1:30pm-3:00pm

### **Concurrent Roundtable Discussions B**

Session 1: Guidelines for CZ Managers Developing Adaptation Plans

(*Georgetown I*)

Session 2: Climate Modeling 101 (*Salon D*)

Session 3: Assessing Vulnerability (*Salon E*)

3:30pm-5:00pm

### **Concurrent Roundtable Discussions C**

Session 1: Adapting to Climate Change (*Georgetown I*)

Session 2: Marine Spatial Planning (*Salon D*)

Session 3: Smart Growth and the Water's Edge (*Salon E*)(Repeat)

Session 4: Guidelines for CZ Managers Developing Adaptation Plans (*Salon ABC*) (Repeat)

6:00pm-8:00pm

### **Coastal & Ocean Celebration (*325 Senate Russell Building*)**

The Coastal States Organization's sixteenth annual Coastal & Ocean Celebration presents a wonderful opportunity to raise awareness of ocean and coastal issues on the Hill. It provides a relaxed venue for Congressional staff, Administration officials, and ocean and coastal colleagues to gather to discuss the importance of the oceans and coasts to the nation.

## Wednesday, February 25, 2009

7:30am-5:00pm

**Registration** (*Second Floor Lounge*)

8:00am-5:00pm

**Programmatic Meetings:**

**Coastal Programs** (*Salon AB*)

**National Estuarine Research Reserves** (*Salon CD*)

**Marine Protected Areas Center Staff Retreat** (*Logan*)

Programs will meet to discuss business and issues. Separate agendas for Coastal Programs and National Estuarine Research Reserves are provided the registration package. Please follow specific agendas for breaks and discussion topics.

11:30am-1:15pm

**Q&A Drop-in Session on CELCP** (*Salon G*)

Please join the OCRM CELCP staff for an informal gathering during lunch Wednesday February 25th in Salon G. We will plan to give program updates, answer questions, and/or discuss any other CELCP items that may be on attendees' minds. Bring your lunch over and talk CELCP!

4:00pm-5:00pm

**Q&A Drop-in Session on the National System of MPAs** (*Logan*)

Have questions about the nomination process? Curious about whether or not your site is eligible, or just would like more info on the national system? Then stop by this informal question and answer session, sponsored by the National Marine Protected Areas Center (MPA Center). MPA Center staff will be available to answer any questions you may have, and provide additional resources/guidance.

5:00pm-6:00pm

**Joint Meeting of CSO Climate Change Committee and NERRS Climate Change Workgroup** (*Logan*)

Exploring Opportunities and Needs for Climate Change Extension and Training

6:00pm-7:30pm

**NOAA Reception** (*Salon ABCD*)

## Thursday, February 26, 2009

9:30am-11:30am

**Closing Plenary:** (*Salon DE*)

**Reflections on What We've Heard and Discussion on Where We Go From Here**

The panel will reflect and present key points from the week's discussions and meetings, including visits to Capitol Hill and the NOAA-State Leadership Forum, and present a strategy to move forward 2-3 key actions over the coming year. The panel will engage the audience to get additional points on both reflections from the week and input and thinking on the 2-3 key strategic actions.

**Panel:** *David Kennedy, Office of Ocean and Coastal Resource Management*

*Ted Diers, New Hampshire Coastal Program*

*Jaime Kooser, San Francisco Bay National Estuarine Research Reserve*

12:00

**Adjourn!**

# CONCURRENT ROUNDTABLE SESSION ABSTRACTS

## Roundtable Discussions A: 10:00-11:30am

### Sea Level/Lake Level Mapping 101 (*Georgetown I*)

This session will explore various water level mapping examples exposing the range of uses and possible constraints. Data considerations will be presented including resolution, accuracy, vertical datums, and data sources. Sample mapping elements such as model fields and datasets will be highlighted. Participants will have an opportunity to discuss their experiences and learn from their peers.

#### Presenters/Facilitators:

Doug Marcy, NOAA, Coastal Services Center

Susan White, NOAA, National Centers for Coastal Ocean Science's Center for Human Health Risk

Allison Castellan, NOAA, Office of Coastal Resource Management

### Assessing Your Community's Resilience and Vulnerability (*Salon D*)

The NOAA Coastal Services Center is enhancing their Community Resilience and Vulnerability Assessment Toolkit (CRVAT) and needs your input. Decision-makers have to address so many aspects of hazards management running the gamut from risk, vulnerability, resilience, climate change to adaptation planning. What does it all mean? How do you assess these issues? Where does this planning fall among so many other priorities? What's our role in this process? What's your role?

During the first half of the session, you will learn about the CRVAT initiative and how it's being designed to help your community assess their risks and vulnerabilities and adapt to climate change and variability. During the second half of the session, participants will explore and identify how communities can use the CRVAT, partnership opportunities, and implementation strategies.

#### Presenters/Facilitators

Tashya Allen, The Baldwin Group, NOAA, Coastal Services Center

Darlene Finch, NOAA, Coastal Services Center

### Smart Growth and the Water's Edge (*Salon E*)

Coastal Smart Growth: Smart Growth at the water's edge requires a tailored approach that recognizes the unique opportunities and challenges of waterfront and coastal development. The first half of this session will provide an overview of: 1) the Waterfront and Coastal Smart Growth Elements developed by NOAA, EPA, and the International City/County Management Association; 2) a state coastal smart growth program; 3) the Coastal Community Planning and Development Training offered by CSC; and 4) free software that can be used to investigate potential visual impacts from coastal development. During the second half of the session, participants will identify and discuss opportunities and challenges to addressing coastal hazards and climate change impacts when implementing smart growth.

### Presenters/Facilitators

Lynn Desautels, EPA, Smart Growth Program

Sarah van der Schalie, NOAA, Office of Ocean and Coastal Resource Management

Tricia Ryan, NOAA, Coastal Services Center

Andrea Cooper, Massachusetts Office of Coastal Zone Management, Shoreline Floodplain Management Coordinator

## **Roundtable Discussions B: 1:30pm-3:00pm**

### **Guidelines for CZ Managers Developing Adaptation Plans (*Georgetown I*)**

OCRM is drafting a guide to help state coastal managers develop and implement climate change adaptation plans to reduce the risks associated with climate change impacts. A climate change adaptation plan identifies and assesses the impacts that are likely to affect the planning area and develops goals, objectives, and actions to best minimize these impacts. OCRM leads for the project will present a framework overview of the guidelines and solicit feedback from managers with respect to gaps in content, usability and recommendations for how best to package the guidelines.

### Presenters/Facilitators

Kate Barba, NOAA, Office of Ocean and Coastal Resource Management

Allison Castellan, NOAA, Office of Ocean and Coastal Resource Management

Alison Hammer, NOAA, Special Projects Office

Tonya Kane, NOAA, Special Projects Office

### **Climate Modeling 101 (*Salon D*)**

Moderator: Marjorie Ernst, OCRM

1:30 – 2:15 p.m. Computer modeling's contribution to the climate research challenge

Dr. Keith W. Dixon, Research Meteorologist

Climate Dynamics & Prediction Group/Geophysical Fluid Dynamics Laboratory/NOAA

Princeton, NJ

Using state-of-the-art supercomputers as their laboratories, climate modelers employ mathematical models of our planet's global climate system to conduct climate variability and change research. This presentation will illustrate how, by incorporating what is known from observations, fundamental physical laws, and nascent theory, climate models have been used to deconstruct and explore the relative effects of different anthropogenic and natural factors involved in driving climate change and variability. Some of the robust findings derived from climate modeling experiments, as well as remaining uncertainties, will be illustrated by drawing upon national and international scientific assessment reports and work done at NOAA's Geophysical Fluid Dynamics Laboratory. Particular attention will be given to the challenge of projecting future sea level change.

2:15 – 3:00 p.m. Sea-Level Rise Rectification Program and seawater inundation model for aiding climate change assessment

Dr. Thomas W. Doyle, Systems Ecologist  
National Wetlands Research Center/ U.S. Geological Survey  
Lafayette, LA

The Sea-Level Rise Rectification Program (SLRRP) is a software program designed to generate a suite of future sea-level projections from various Global Circulation Models (GCM) and emission scenario options obtained from IPCC (2001), Intergovernmental Panel on Climate Change. The SLRRP model allows the user to select a region-based tide station, GCM model, and emission scenario to generate a graph and output file of future sea-level change. SLRRP rectifies the historical tide record and future eustatic sea-level rise into a common vertical datum (default = NAVD88). SLRRP has the added feature of showing the inundation process and period for which sea level will overtop a given landscape feature or elevation under a future changing climate. Selected uses of the SLRRP model for climate change assessments and ecosystem model forecasts will be presented.

### **Assessing Vulnerability (*Salon E*)**

Mark Crowell from FEMA's Mitigation Directorate will discuss an ongoing study of the impact of climate change on the National Flood Insurance Program that includes analyzing potential changes in sea level rise and coastal storms. He will also discuss related efforts to determine whether policy and methodologies for mapping coastal special flood hazard areas should be revised. Ultimately, the results of these efforts will provide a clearer picture of the vulnerability of our nation's coasts to climate change, sea level rise and coastal storms in particular.

John Haines from USGS's Coastal and Marine Geology Program will address coastal mapping and research programs addressing coastal change and assessment of vulnerability due to storms, erosion, and sea-level rise. He will discuss existing vulnerability products for storm and sea-level response, their application by coastal managers in our National Parks and Seashores and elsewhere, and future directions for development of more comprehensive products.

Charles Chesnutt from the USACE's Institute for Water Resources will discuss recent Corps experience that highlights coastal vulnerabilities. He will also talk about several of the USACE efforts underway to better incorporate Sea Level Rise and other climate change impacts into USACE project planning, design and management.

#### Presenters

Mark Crowell, FEMA Mitigation Directorate  
John Haines, USGS Coastal and Marine Geology Program  
Charles Chesnutt, USACE Institute for Water Resources

## **Roundtable Discussions C: 3:30pm-5:00pm**

### **Adapting to Climate Change in our Nation's Estuaries (*Georgetown I*)**

Estuaries face a host of increasing threats from a variety of climate change related stressors that range from sea level rise to increased incidence of invasive species. In addition to mitigating such impacts, coastal managers will also have to consider an array of adaptation strategies and approaches in order

to preserve the ecosystem services of these regions. This session will highlight three approaches being taken by the EPA and the National Estuarine Research Reserve System that begin to address this pressing management need. Topics will include: 1) EPA's Climate Ready Estuary Program; 2) Planning for Climate Change - a new workshop on tools and approaches; and 3) Adapting Shorelines to Climate Change: Preserving Ecosystem Services.

#### Presenters

John Wilson and Jeremy Martinich, EPA Office of Wetlands, Oceans, and Watersheds  
Cathy Angel, Coastal Training Program Coordinator, Padilla Bay (WA) National Estuarine Research Reserve  
Betsy Blair, Manager, Hudson River National Estuarine Research Reserve

### **Marine Spatial Planning (*Salon D*)**

Hundreds of competing interests, policies, and jurisdictions impact ocean and Great Lake waters. Coastal states and nations are turning to marine spatial planning (MSP) for solutions. This session will demonstrate how MSP is being used to help site alternative energy development, map human uses of ocean space, and facilitate state level comprehensive planning, with a focus on the data and tools that support the process. Participants will have the opportunity to engage in facilitated discussion, look at maps being used in current projects, and learn about resources available to MSP practitioners.

#### Presenters/Facilitators

Brian Smith, IM Systems Group, NOAA Coastal Services Center  
Charlie Wahle, NOAA, Marine Protected Areas Center  
William Waskas, Minerals Management Service, Alternative Energy Program  
Bruce Carlisle, MA Office of Coastal Zone Management  
Grover Fugate, RI Coastal Resources Management Council  
Cory Riley, NOAA, Office of Coastal Resource Management

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