

AGENDA

Adapting to Climate Change in the Mid-Atlantic

Hyatt Regency Chesapeake Bay Resort
100 Heron Blvd.
Cambridge Maryland 21613

<http://www.fws.gov/northeast/climatechange/conference/ccmidatlantic.html>

March 23-25, 2010

Workshop Goal: To develop a common understanding of assessment techniques that determine potential climate change impacts to protected areas in the Mid-Atlantic United States and to explore adaptive management approaches that address those impacts.

Outcomes: At the completion of the workshop participants will:

- More fully understand techniques used to assess climate change impacts to the forested and ocean and coastal ecosystems of the Mid Atlantic United States;
- Be able to identify climate adaptation approaches that address impacts to infrastructure, cultural resources and natural resources in terrestrial, coastal, and marine protected areas.
- Discover collaborative opportunities that address common climate adaptation issues among non-governmental organizations and local, state and federal government agencies.

Target Audience

Managers of federal, state and private lands and resources, both terrestrial and marine, in the Mid Atlantic United States. The workshop would also benefit protected area planners, maintenance and facility managers, education specialists, wildlife, fisheries, forestry and other technical specialists that work in or within these areas.

Tuesday, March 23

- 8:00 am **Registration**
- 9:00 am Welcome & Introduction (Room: Plenary)
 • **NPS Regional Director Peggy O’Dell, National Capital Region**
- 9:15 am Review of Agenda, Goals, Outcomes and Logistics
- 9:30 am **Opening Address** (Room: Plenary)
 Objective: Provide a challenge to the group and briefly describe DOI efforts in organizing to understand and adapt to climate change impacts.
Kit Batten, Ph.D., Science Advisor to the Deputy Secretary, U.S. Department of the Interior
- 10:00 am **Keynote Address- Adapting to a Changing World** (Room: Plenary)
 Introduction of speakers by Dennis Reidenbach, NE Regional Director NPS
 • **Marcia McNutt, Director, US Geological Survey** *Invited*
 • **Jon Jarvis, Director National Park Service** *Invited*
- Objective: USGS Director McNutt will review the range of scientific climate change assessment tools, resources and techniques available to state and federal land and ocean resource managers to make adaptation decisions.
- NPS Director Jarvis will discuss adaptation from a planning, policy and management perspective. Issues such as cultural resource and recreational impacts, invasive species and species migration will be addressed.
- 11:00 pm Questions (Room: Plenary)
- 11:30 pm **Lunch on Your Own**
- 12:45 pm **Assessing the Risk – Review of Risk Assessment Techniques for infrastructure, cultural and natural resources in the aquatic environment** (Room: Plenary)
 Donald Cahoon, U.S. Geological Survey – Overview of assessment techniques for aquatic systems.
- 1:15 pm **Review of Risk Assessment Techniques for infrastructure, cultural and natural resources in the terrestrial environment** – Christopher Pike, Chesapeake Bay, LEED Program

Objective: Speakers will present an overview of assessment tools and techniques to determine climate impacts to infrastructure, cultural and natural resources. Time for questions from the audience will be included.

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Concurrent Sessions on Assessing Climate Change in Terrestrial/Forest and Coastal/Marine Areas

Tuesday, March 23	Tuesday, March 23
<p>Track 1: Assessing climate impacts to terrestrial/freshwater ecosystems Forests in the Mid-Atlantic (Room: Chesapeake) Objective: Overview of the anticipated changes to forests and other biotic communities, and discussions of planned adaptation techniques to achieve specific objectives.</p>	<p>Track 2: Assessing climate impacts to Coastal and Marine resources in the Mid-Atlantic (Room: Choptank) Objective: Overview of expected climate change impacts on coastal and marine resources.</p>
<p>2:15 pm Interactions between Forests, Carbon and Climate Change – Chris Swanston, USDA Forest Service – Northern Research Station</p>	<p>2:15 pm Overview of coastal and marine issues in the Mid-Atlantic- Norbert P. Psuty, Director, Sandy Hook Cooperative Research Programs, Institute of Marine and Coastal Sciences, Rutgers University</p>
<p>2:45 pm Downscale Modeling and its uses in planning for adaptation to climate change- Katherine Heyhoe, Texas Tech University</p>	<p>2:45 pm Assessing the potential impacts to Gateway National Recreation Area Barry Sullivan, Superintendent, Gateway NRA</p>
<p>3:15 pm Break</p>	<p>3:15 pm Break</p>
<p>3:30 pm Assessing Effects of Climate Change and Atmospheric Chemistry on Mid-Atlantic Forests - Richard Birdsey, Project Leader, Climate, Fire and Carbon Cycle Sciences, USDA Forest Service - Northern Research Station</p>	<p>3:30 pm Scenario Planning and Climate Change Response at Assateague Island National Seashore - Carl Zimmerman, Assateague Island NS, National Park Service.</p>
<p>4:00 pm Forest Trends in the Mid-Atlantic States and how Climate Change Might Affect Them - Will McWilliams, USDA Forest Service - Northern Research Station</p>	<p>4:00 pm Delaware National Estuarine Research Reserve and discussion of the Delaware Sea Level Rise Initiative- Danielle Keeger, Partnership for the Delaware Estuary</p>

4:30 pm Linking Climate, Ecosystem Services, and Ecosystem Services Markets – Sara Hines, USDA Forest Service Northeastern Area (confirmed)	4:30 pm Facilitated discussion, brain storming, Q+A, sharing of other tools and ways to think about and plan adaptation; audience encouraged to participate. Michael P. De Luca, Reserve Manager, Jacques Cousteau National Estuarine Research Reserve, Institute of Marine & Coastal Sciences, Rutgers University
5:30 pm Adjourn	5:30 pm Adjourn

5:30 pm **Reception with Refreshments**

6:30 pm **Dinner On Your Own**

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Wednesday, March 24

8:30 am **Plenary Session (Room: Plenary, most likely Chesapeake Room)**

Announcements, review of agenda and recap of previous day's talks

8:45 am **View from State government and Non-governmental Organization (NGO) perspectives- Panel Talk (Room: Plenary)**

Objective: Representatives from non-governmental and state agencies will discuss the steps their organizations are taking to address climate change issues in order to meet their agency's mission. Focus on adaptation.

Panelists:

- **State – Virginia's Climate Change Strategy for Wildlife**, Chris Burkett, Wildlife Action Plan Coordinator, Virginia Department of Game and Inland Fisheries
- **NGO –National Wildlife Federation Climate Adaptation Initiatives**, Curtis Fisher, NWF Regional Director

9:45 am Break

10:15 am **Plenary Address: Human Dimension of Climate Change**

Abstract: Provide overview of social and cultural dimension of climate change. As natural resource managers, participants may often think of climate change in terms of adaptation for the natural environment. However, changing climate systems will have impacts to our human communities as well, including human health, extreme storm events, food supplies and scarcity of resources (e.g., clean water).

The Human Dimension of Climate Change – An Overview

Keynote speaker (*TBD*)

February 12, 2010

AM Concurrent Sessions: Adapting to Global Change-The Human Dimension

Participants will learn about practical tools to enhance decision-making regarding current and future climate change impacts

Wednesday, March 24	Wednesday, March 24	Wednesday, March 24
<p>Concurrent Sessions AM 1 Adaptation: Built Environment (Historical and Archeological)</p> <p>10:45 am Impacts of Climate Change on the Historic and Archeological Resources of the Chesapeake - Susan Langley, MD State Underwater Archeologist</p> <p>11:15 am Incorporating Climate Change into the National Environmental Policy Act - Heidi West, Consultant</p> <p>11:45 am Adaptation Planning for Gateway National Recreation Area and National Parks of NY Harbor, Helen Mahan, Senior Planner, NPS</p>	<p>Concurrent Sessions AM 2 Adaptation: Human Communities (Infectious Disease, Public health & Safety related to storm events)</p> <p>10:45 am Public Health and Climate Change - Rita Colwell, Distinguished Professor, University of Maryland College Park and Johns Hopkins University Bloomberg School of Public Health – <i>invited</i></p> <p>11:15 am _____ National Wildlife Center TBD</p> <p>11:45 am TBD, Storm Events</p>	<p>Concurrent Sessions AM 3 Adaptation: Communicating with neighbors</p> <p>10:45 am Communication – Bill Crowell, Director, Albemarle-Pamlico National Estuary Program</p> <p>11:15 am Climate Change Communication, Karen Akerlof, Research Team, Center for Climate Change Communication, George Mason University</p> <p>11:45 am Communication Issues Lara Whitely Binder Climate Impacts Group Washington University – <i>Invited</i></p>

12:15 pm **Lunch on Your Own**

<p>3:15 pm Break</p> <p>3:30 pm Climate Change Response Framework for Landscape Management Challenges - Chris Swanston, USDA Forest Service - Northern Research Station</p> <p>4:00 pm Managing Climate Change Impacts of Invasive Plant Populations – Les Mehrhoff, U. of Connecticut</p>	<p>3:15 pm Break</p> <p>3:30 pm Impacts of Climate Change to Eastern Brook Trout and their habitat in the Mid Atlantic- Mark Hudy, USFS</p> <p>4:00 pm Nature Serve- Tools for climate adaptation – Bruce Young, Chief Zoologist,</p>	<p>3:15 pm Accurately Assessing Sea Level Rise Impacts on Coastal Habitats: Chesapeake Bay National Estuarine Research Reserve</p> <p>3:45 pm Chesapeake Bay Executive Order and Adaptation Strategy– Scott Phillips, USGS <i>-(invited)</i></p>
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4:30 pm **Plenary Session -**

Climate Adaptation and the National Climate Assessment

Objective: Introduce participants to the National Climate Assessment process and structure with specific reference to how it is intended to enable adaptation efforts and support decision-making.

Kathy Jacobs, Assistant Director for Climate Assessment and Adaptation, Office of Science and Technology Policy, (OSTP)

5:30 pm **Poster Session**

6:30 pm **Workshop Dinner** – cost included in registration fee

After Dinner Program

Objective: An entertaining talk on the history of the human populations in the Chesapeake Bay and their experience with climate impacts. Speaker: Court Stevenson, Horn Point Laboratory, MD

Thursday, March 25 (Plenary all day)

8:30 am **Opening remarks**

8:45 am **Collaborative Adaptation Programs and Tools: A Panel Discussion**

Facilitators: Rick Bennett, USFWS & Rachel Muir, USGS

Objective: Participants will learn about new and ongoing programs that provide useful information for planners and managers working on climate adaption issues. The panel will discuss what makes each program unique and how the programs interact. A half hour will be provided for questions from participants.

8:45 am **Landscape Conservation Cooperatives, (LCCs)** – Rick Bennett, Chief Scientist, US Fish and Wildlife Service, Rachel Muir, U.S. Geological Survey

USGS Regional Climate Science Centers (CSCs) Robin O'Malley, U.S. Geological Survey

Marine Spatial Planning and NOAA's Climate Service–Jim Sullivan, NOAA

Inventory and Monitoring Program/ Cooperative Ecosystem Study Units –NPS

10:15 am - **Interactive discussions- Moderator**

10:45 am **Break**

11:00 am **Summary address from Keynote speaker –TBD**

12:00 pm **Adjourn**

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