

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.
Official from the Secretary of the Interior’s Office *Invited*
- 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**
- 1:00 pm **Assessing the Risk – Review of Risk Assessment Techniques for infrastructure, cultural and natural resource** (Room: Plenary)
Dr. Donald Cahoon, U.S. Geological Survey – Overview of Risk Assessment Techniques for terrestrial and aquatic systems.

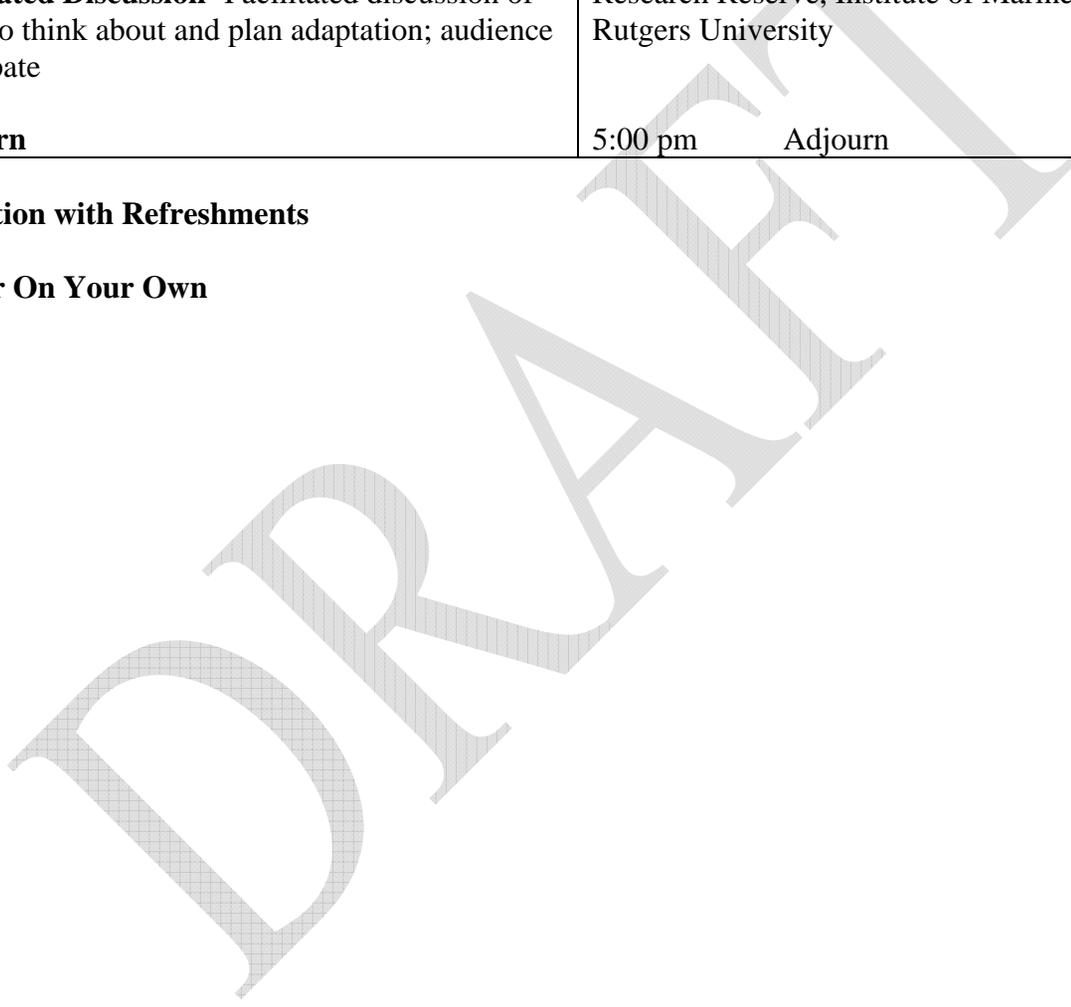
Concurrent Sessions on Assessing Climate Change in Terrestrial/Forest and Coastal/Marine Areas

<p>Tuesday, March 23</p> <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>1:45 pm Interactions between Forests, Carbon and Climate Change – Chris Swanston, USDA Forest Service – Northern Research Station</p> <p>2:45 pm Downscale Modeling and its uses in planning for adaptation to climate change- Dr. Katherine Heyhoe, Texas Tech University</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>Tuesday, March 23</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>1:45 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>2:15 pm Assessing the potential impacts to Gateway National Recreation Area Barry Sullivan, Superintendent, Gateway NRA</p> <p>2:45 pm Scenario planning and adaptation issues at Assateague Island NS- Carl Zimmerman, Assateague Island NS, National Park Service.</p> <p>3:15 pm Break</p> <p>3:30 pm Delaware National Estuarine Research Reserve and discussion of the Delaware Sea Level Rise Initiative- Dr. Danielle Keeger, Partnership for the Delaware Estuary</p>
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<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 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</p>
<p>4:30 pm Facilitated Discussion- Facilitated discussion of other tools and ways to think about and plan adaptation; audience encouraged to participate</p>	<p>5:00 pm Adjourn</p>

5:30 pm **Reception with Refreshments**

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



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 – Developing vulnerability assessments, Landscape Conservation Cooperatives (LCC)**, Chris Burkett, Wildlife Action Plan Coordinator, Virginia Department of Game and Inland Fisheries
 - **NGO – Discussion of 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*)

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 <i>Invited speaker -</i> Chesapeake Bay Office</p> <p>11:15 am <i>Invited speaker -</i> Horn Point Laboratory</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 Dr. 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 Dr. Jonathan Sleeman, Director, USGS National Wildlife Center, Madison WI – <i>invited</i></p> <p>11:45 am TBD, Storm Events</p>	<p>Concurrent Sessions AM 3 Adaptation: Communicating with neighbors</p> <p>10:45 am Estuary Ready Program (Proposed)</p> <p>11:15 am Ed Meibach, Six Americas (Proposed)</p> <p>11:45 am Jess Thompson, Colo State (Proposed)</p>
<p>12:15 pm Lunch on Your Own</p>		

PM Concurrent Sessions: Adapting to Global Change – the Natural Environment
 Managers learn planning and adaptation techniques to protect natural resources

<p>Wednesday, March 24</p> <p>Concurrent Session PM 1 Forest & Vegetation</p> <p>1:45 pm Adaptation and Mitigation Concepts for Forest Management - Maria Janowiak, Northern Institute of Applied Carbon Science</p> <p>2:45 pm Adaptive Strategies for Managing Invasives - Jim Steinman - Forest Health Monitoring Program Manager - USDA Forest Service Northeastern Area</p> <p>3:15 pm Break</p>	<p>Wednesday, March 24</p> <p>Concurrent Session PM 2 Wildlife/Fish</p> <p>1:45 pm Nature Serve and its role in climate adaptation – <i>invited</i></p> <p>2:15 pm Endangered Species Program - Debby Crouse, FWS,</p> <p>2:45 pm Species at Risk in the Mid-Atlantic Region due to Climate Change -Rachel Muir, USGS,</p> <p>3:15 pm Break</p>	<p>Wednesday, March 24</p> <p>Concurrent Session PM 3 Physical Processes</p> <p>1:45 pm Hydrologic Changes on Dr. Bob Lent, USGS</p> <p>2:15 pm Climate Change Impacts on Submerged Aquatic Vegetation: research with management applications, particularly by focusing on sentinel research sites as part of the NERRS water quality System Wide Monitoring Program (SWMP) and SAV Biological Monitoring Program. Kenneth Moore, Research Coordinator, Chesapeake Bay National Estuarine Research Reserve</p> <p>2:45 pm Accurately Assessing Sea Level Rise Impacts on Coastal Habitats: Chesapeake Bay National Estuarine Research Reserve – Scott Lerberg, Science Coordinator, Chesapeake Bay NERR in Virginia</p> <p>3:15 pm Break</p>
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<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>3:30 pm Freshwater Brook Trout- managing for climate change- Mark Hudy, USFS</p> <p>4:00 pm Assisted Migration of wildlife: A discussion, Dov Sacks, Brown University,</p>	<p>3:30 pm Incorporating Climate Change into the National Environmental Policy Act - Heidi West, Consultant,</p> <p>4:00 pm Climate impacts on forest systems in the Chesapeake and adaptive measures for enhancing resilience– Geoff “Jess” Parker, Smithsonian Environmental Research Center, Edgewater, MD – <i>Invited</i></p>
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- 4:30 pm **Plenary Session -**
- Climate Change and the U.S and International Community**
Review goals and activities of international organizations and other governments to address climate change.
- Speaker (*invited*)
- 5:30 pm **Poster Session**
- 6:30 pm **Workshop Dinner** – cost included in registration fee
- After Dinner Program**
Objective: Provide a thought-provoking perspective on social and human issues that impact societies when addressing climate change. Speaker: *To be confirmed*
- 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
Fifteen minutes allocated to each speaker, half hour discussion
- Landscape Conservation Cooperatives, (LCCs)** – Rick Bennett, Chief Scientist, USFWS
- USGS Regional Climate Change Response Centers (RCCRCs)** – Robin O’Malley, USGS
- Chesapeake Bay Restoration** – Andrew Milliken, USFWS (*proposed*)
- Marine Spatial Planning** – Dr. Jim Sullivan, NOAA
- Inventory and Monitoring Program/ Cooperative Ecosystem Study Units** – Shawn Carter, NPS and Tom Fish, NPS (*proposed*)
- Interactive discussions- Moderator**
- 10:30 am **Break**
- 11:00 am **Summary address from Keynote speaker- *To be confirmed***
- 12:00 pm **Adjourn**