Bilateral Coordination and Collaboration for Climate Service Delivery

A Gathering of Canadian and US Scientists and Communicators to develop direction and research priorities for the Gulf of Maine Council's Climate Network

FINAL AGENDA

Meeting Objectives

- Gather key federal and provincial/state representatives to discuss lessons learned and planning for climate change
- Connect research, monitoring, and management communities (natural science/management interface), across sectors (resource management, infrastructure and planning, preparedness and recovery) at federal and jurisdictional levels
- Exchange experience with and strategies for climate change adaptation and mitigation
- Rebuild the bilateral climate network by outlining a way-forward including key goals and objectives
- Identify key messages for Climate Network, including specific requests to the Gulf of Maine Council

Day 1: September 10, 2013

Case Studies: Each theme area will feature a scientist and two speakers (Canadian and US) who will describe a recent event in their sector and how it was managed (20 min each, 5min Q/A). The case studies should highlight unexpected connections or vulnerabilities within the region. The case studies will introduce the group to the challenges within the region and across sectors.

1:00pm	Welcome, Introductions and Review Agenda *(Hosts: Bill Appleby and Ellen Mecray)*
1:45pm	**THEME 1: Climate and Land Use Change Impacts to Gulf of Maine Watershed Forests and Wildlife, Implications for Management and Conservation.** (*Introduction, Andrew Milliken, U.S. Fish and Wildlife Service, North Atlantic Landscape Conservation Cooperative*)
1:50pm	The Impacts of Climate Change on Forests of the Northeastern United States and Canada (Lindsey Rustad, U.S. Forest Service Northern Research Station)
2:10pm	Case Study: Planning and Actions to Mitigate and Adapt to Climate Change Impacts on Forests – Examples from the Canadian Portion of the Gulf of Maine (James MacLellan, University of New Brunswick)
2:30pm	Case Study: Planning and Actions to Mitigate and Adapt to Climate Change Impacts on Forests – Examples from the U.S. Portion of the Gulf of Maine (Andrew Milliken, U.S. Fish and Wildlife Service, Eric Walberg, Manomet Center for Conservation Sciences)
3:00pm	**BREAK**

3:15pm Breakout groups

- Discussion I (15min): Management and policy lessons from case studies
- Discussion II (15min): Needs for monitoring, forecasting, and research
- Discussion III (15min): Ideas for GOMC Climate Network

4:00pm Reports from breakout groups

4:30pm **THEME 2: IGNITE SESSION: Extreme Events and actions taken in the region** *(Introduction and IGNITE ground rules, Ellen Mecray, National Oceanic and Atmospheric Administration, Regional Climate Services)*

4:45-5:00pm ***The best-available science tells us…***

- U.S. National Climate Assessment (Ellen Mecray, NOAA)
- Latest IPCC AR5 model outputs. General changes and some extremes (Adam Fenech, UPEI)
- Case Study: Extreme Rainfall events in NB (Rick Fleetwood, EC/MetCanada)

5:00pm Discussion and Q/A for speakers THEN…Visit charts around the room to add notes on:

- Gaps in knowledge, what else do we need to know?
- Actions for the Climate Network going forward on the science of climate?

5:30pm **End of workday**

6:30pm **Group dinner** (Wells Conference Center)

Day 2: September 11, 2013

7:30am Continental breakfast

8:15am Review of Day 1: Key lessons, Summary from Room Charts on Day 1, Overview of Day 2.

8:30am **THEME 2: IGNITE SESSION continued: Extreme Events and actions taken in the region**

8:40am ***Translating climate information to action means…***
Infrastructure and Inland Impacts

- Case Study: Decisions before and after Hurricanes Irene and Sandy (Gina Campoli, VTrans)
- Case Study: Infrastructure decisions accounting for a changing sea-level (Adam Fenech, UPEI, for Patrick Mazerolle, DOT NB)
- Use of LIDAR for flood stricken areas in Charlotte County, NB (Real Daigle, Director, R.J. Daigle Enviro (fmr EC))
- (8:55-9:25) Breakout Groups.

- Discussion I (10min): Management and policy lessons from case studies
- Discussion II (10min): Needs for monitoring, forecasting, and research
- Discussion III (10min): Ideas for GOMC Climate Network

9:25am Reports from breakout groups

9:40am Adaptive Management Actions/Approaches

- Case Study: Managing the coastline for frequent extreme events-Actions from New Brunswick. (Jeff Hoyt, NB)
- The economics of extreme events, the case for action (Sherry Godlewski, NH)
- Case Study: Including sea-level change in regulatory frameworks and municipal planning (Kathy Baskin, MA)
- (9:55-10:25) Breakout Groups.
    - Discussion I (10min): Management and policy lessons from case studies
    - Discussion II (10min): Needs for monitoring, forecasting, and research
    - Discussion III (10min): Ideas for GOMC Climate Network

10:25am Reports from breakout groups

10:40am **BREAK**

10:55am **THEME 3: Marine fisheries and Climate change (acidification)**. (*Introduction, Andrew Pershing, University of Maine and Gulf of Maine Research Institute*)

11:00am The 2012 warming event, observations and trends for the future (Kevin Friedland, NOAA/NMFS/NEFSC)

11:20am Warmer temperatures, molt timing, and lobster fishing seasons in the Canadian Maritimes (John Tremblay, DFO)

11:40am The 2012 ocean heat wave and other recent climate impacts to New England lobsters: a contrast of economic and biological crises (Rick Wahle, University of Maine)

12:00noon **LUNCH**

1:15pm Breakout groups discussion

- Discussion 1 (15min): Management and policy lessons from case studies
- Discussion II (15min): Needs for monitoring, forecasting, and research
- Discussion III (15min): Ideas for GOMC Climate Network

2:00pm Reports from breakout groups

2:20pm Interactive discussion: Critical to Future of Climate Network.

Key Questions:

1) Key climate information needs for the sectors discussed? Other sectors of interest we've not discussed?
2) Topics to pursue for funding? Joint US/Canada projects?

3:15pm Evaluation Forms

3:30pm **ADJOURN**