



*July 2014*

## *Climate Network Bulletin and Outlook*

Welcome to the first edition of the Gulf of Maine Council Climate Network's Bulletin, which links to the latest edition of the [Gulf of Maine Region Quarterly Climate Impacts and Outlook](#). We hope this e-news update will be helpful to many people throughout the region: please circulate it among your networks.

The Gulf of Maine Council on the Marine Environment, a US-Canadian partnership, works to sustain the environmental quality and well-being of the Gulf's watershed—which encompasses much of Massachusetts, New Hampshire, Maine, New Brunswick and Nova Scotia. Its Climate Network brings together planners and scientists from around the Gulf of Maine to raise awareness about climate impacts and inspire effective action in local communities—where residents experience first-hand the effects of changing conditions.

The Climate Network has three new resources available on its expanded [web page](#):

- *Municipal Climate Adaptation around the Bay of Fundy: Status and Needs* (a 42-page summary based on a survey of municipal officials and 30 phone interviews);
- *Gulf of Maine Region Quarterly Climate Impacts and Outlook* (a 2-page report that describes significant recent weather events, discusses their impact and provides a three-month regional forecast); and
- A factsheet describing resources available on the [NExUS climate database](#), which now includes more than 150 entries from New Brunswick and Nova Scotia.

### **Upcoming Events**

***UPEI Summer Institute 2014: Applied Climate Change-Gaining Practical Skills for Climate Change Adaptation*** - July 7 to August 1 This course at the [University of Prince Edward Island Climate Lab](#) provides an overview of the knowledge, tools and resources needed to become more effective leaders and managers in adapting to climate change. Participants will develop practical skills and develop a climate change impacts and adaptation study for their own region of geographic interest. The course consists of four main modules: understanding the past and future of the region; climate policy, planning and economics; climate change visualization, mapping and gaming; and climate change and biodiversity.

***2014 Rising Seas Summit*** – September 24-26 in New York City. With plenaries, meetings, workshops and discussions, the [Rising Seas Summit](#) examines best practices for modeling and planning related to inundation challenges. Cosponsors include NOAA and the Canadian Electricity Association.

### **New Resources**

***Third National Climate Assessment*** - The [Third National Climate Assessment](#) (NCA), recently released by the U.S. Global Change Research Program, summarizes peer-reviewed science on

climate change impacts in the U.S. The NCA findings align with recent reports from the UN International Panel on Climate Change (IPCC), confirming that climate change is already having many negative effects on Americans.

***Canada in a Changing Climate: Sector Perspectives on Impacts and Adaptation*** provides an up-to-date picture of what climate change means for Canada in a range of sectors, including natural resources, food production, industry, biodiversity, health and infrastructure. This [report](#), developed in conjunction with more than 90 authors and 115 expert reviewers, includes an overview of Canada's changing climate and an analysis of adaptation science.

***Climate Change Indicators in the United States***— Produced by the US Environmental Protection Agency, the third edition of [this report](#) assembles observed data on key environmental measures, including United States and global temperature and precipitation, ocean heat and ocean acidity, sea level, length of growing season, and many others.

***Climate-Smart Conservation: Putting Adaptation Principles into Practice*** describes how climate change affects America's wildlife and habitats and how to prepare for these unprecedented changes. This [peer-reviewed publication](#) from the National Wildlife Federation offers tools to help managers plan and implement natural resource conservation efforts.

***Climate Change in Atlantic Canada***, a 60-minute documentary by film director and Ph.D. geographer Ian Mauro, examines the impacts of climate change that residents of Atlantic Canada are experiencing (gathered through more 100 video-based interviews). More details are available at <http://www.climatechangeatlantic.com/index.html>.

***Climate Change Data for the 21<sup>st</sup> Century*** is [online tool](#) developed by the U.S. Geological Survey (USGS) that provides county-level maps. The maps and 3-page summaries, along with spreadsheet-compatible data files for each US county, are based on 33 climate models used in the 5<sup>th</sup> Climate Model Intercomparison Project and the current Intergovernmental Panel on Climate Change Assessment Report.

***Climate Assessment Update to National Stormwater Calculator*** - EPA has released Phase II of the [National Stormwater Calculator and Climate Assessment Tool](#) package, a desktop application that estimates the annual amount of stormwater runoff from a specific location. This tool now includes changes in seasonal precipitation levels, the effects of more frequent high-intensity storms, and changes in evaporation rates based on validated Intergovernmental Panel on Climate Change climate change scenarios. Users can enter any U.S. location and select different scenarios to learn how specific green infrastructure changes can reduce stormwater runoff.

***Coastal New Hampshire Climate Summit Presentations***. PowerPoints from the first three NH Climate Summits are available online. April 2014 Summit talks included sea-level rise impacts on pavement and road design; salt marsh responses to sea-level rise; and coastal dune creation. View more at <http://nhblog.stormsmart.org/past-workshops/>.

***Climate Commons*** - An interactive map-based platform, [Climate Commons](#) contains layers of news and information on climate change in the United States. The map combines recent data on climate change indicators and emissions with geo-tagged stories on climate change.

***Climate Analysis Tool*** - A group of NOAA collaborators has developed [OpenClimateGIS](#), an open-source tool that helps experienced GIS users access and interpret complex climate data. for specific regions and sectors.

*Please note that inclusion of items in this bulletin does not imply endorsement by the Gulf of Maine Council on the Marine Environment or by those entities that help distribute this update. To submit items for the next quarterly bulletin or to provide feedback, e-mail [marina@gulfofmaine.org](mailto:marina@gulfofmaine.org). Please visit the Council's [Climate Network web pages](#) for more resources on regional climate concerns.*