



**October 13, 2016**

*EPA Climate Change and Water News is a bi-weekly newsletter from the U.S. Environmental Protection Agency (EPA) Office of Water that covers climate change and water-related news from EPA, other U.S. Federal agencies, and partners. To learn more about climate change impacts on water resources, visit our website at: <http://www2.epa.gov/climate-change-water-sector>.*

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### **EPA News**

#### **New Web Portal to Help Communities Prepare for Climate Change**

The EPA has launched a new online portal that provides local leaders with information and tools to increase resilience to climate change. Using a self-guided format, the Adaptation Resource Center (ARC-X) provides information tailored specifically to community needs. The ARC-X leads users through all steps of an adaptation process, including: understanding the implications of climate change for their particular region or issues of concern; adaptation strategies that can be implemented to address climate-related risks; case studies that illustrate how other communities with similar concerns have already

successfully adapted, along with instructions on how to replicate their efforts; potential EPA tools to help implement the adaptation strategies; and sources of funding and technical assistance from EPA and other federal agencies.

[View the Press Release.](#)

[Access the New Resource.](#)

### **Building the Next Generation of Climate Justice Leaders**

The Educate, Motivate, Innovate (EMI) Climate Justice Initiative strives to engage the next generation of climate justice leaders and expand partnerships with Minority Serving Institutions and Tribal Colleges and Universities. The EMI has issued a Call for Student Climate Justice Abstracts for presentations at the EMI Workshop during the March 8-10, 2017 National Environmental Justice Conference and Training Program in Washington, D.C. The next generation of climate justice leaders will engage with environmental elders and activists as well as influential members of academia, government and non-governmental organizations.

[Read the Blog.](#)

[Learn More.](#)

### **\$1.3 Million to Revitalize America's Urban Waters and Surrounding Communities**

The EPA is awarding \$1.3 million to 22 organizations in 18 states to help protect and restore urban waters and to support community revitalization and other local priorities. Many urban waterways have been polluted for years by sewage, runoff from city streets, and contamination from abandoned industrial facilities. This year's Urban Waters grantees will inform and engage residents in stormwater management and pursue community-based plans to address pollution in waterways.

[View the Press Release.](#)

### **EPA Awards \$1.2 Million in Environmental Justice Collaborative Problem-Solving Cooperative Agreements**

The EPA announced competitive cooperative agreements with 10 community-based organizations working to address environmental justice issues nationwide. Each of this year's recipients will receive up to \$120,000 to support two-year projects. The projects will address a variety of environmental justice issues through innovative project activities in areas like green infrastructure, stormwater management, and recycling.

[View the Press Release.](#)

### **EPA Offers Assistance to Help Rural Communities Revitalize Downtowns**

The EPA invited rural communities to apply for planning assistance to develop strategies that help grow the economy and revitalize downtown neighborhoods. The EPA is offering this assistance as part of Rural Advantage, a suite of federal economic development planning assistance programs for rural communities.

[View the Press Release.](#)

## **Federal News**

### **Release of Southeast Climate Science Center Synthesis Report**

A new report synthesizes the work of the Southeast Climate Science Center (CSC) over the first five years of its operation (2011-2015). The report details the evolution of the Southeast CSC science agenda to include research support as well as a broader set of activities – such as convening conversations and capacity building for students and professionals – that can be thought of as actionable science.

[Learn More.](#)

## **NOAA and Sea Grant Fund \$800,000 in Research to Understand Effects of Ocean Changes on Iconic Northeast Marine Life**

NOAA's Ocean Acidification Program and the Northeast Sea Grant Programs awarded \$800,000 on new research on how ocean acidification is affecting marine life including lobsters, clams, oysters, mussels and sand lance.

[Learn More.](#)

## **DoD Decision Making and Climate Change Webinar on October 20**

Dr. Richard Moss from the Pacific Northwest National Laboratory will discuss vulnerability assessments and resilience planning at federal sites, and will elaborate on three sets of methods required to project exposure to hazards, evaluate consequences, and manage effective communications. Dr. Moss will also talk about suggested elements of a roadmap to support agencies in preparing for climate change, including capacity building. Dr. Casey Brown from the University of Massachusetts at Amherst will describe and demonstrate a framework for assessing climate change risks to DoD installations and the built environment, and will present a general framework for assessing climate risks to military installations based on decision-scaling.

[Register for the Webinar.](#)

## **Identifying Drought Risks and Impacts in the Northeast and Midwest**

Changes in temperature and precipitation are putting the Northeast and Midwest at risk of more frequent short-term droughts. A group of climate and ecological experts with the Northeast Climate Science Center gathered to discuss what future drought will mean for the region's people and ecosystems.

[Learn More.](#)

## **NOAA Awards \$2.5M to Build Community Resilience**

NOAA's Office of Education awarded \$2.5 million in Environmental Literacy Grants to support five projects focused on helping communities build the environmental literacy necessary for resilience to extreme weather events and other environmental hazards.

[Learn More.](#)

## **Other News**

### **New Pacific Islands Regional Climate Assessment Website**

The Pacific Islands Regional Climate Assessment (PIRCA) launched a new website: PIRCA.org. The website provides a wealth of information and resources about climate change in Hawaii and the U.S.-Affiliated Pacific Islands, including tools, reports, case studies, and fact sheets.

[Explore the PIRCA Site.](#)

### **New Report Explaining Ocean Warming**

The International Union for Conservation of Nature released a comprehensive report on the potential impacts of ocean warming on nature and humans. The report "Explaining Ocean Warming: Causes, Scale, Effects, and Consequences," synthesizes the understood impacts that warming will have across all marine life, from microorganisms to marine mammals. A team of international scientists collaborated to produce this synthesis. Their goal was to report the understood consequences of a warming ocean and the known gaps in scientific knowledge as a call for further research.

[Read the Full Report.](#)

### **Future Fisheries Can Expect \$10 Billion Revenue Loss Due to Climate Change**

Scientists from the University of British Columbia published a study examining how climate change will alter fisheries revenues of maritime countries. The team used climate-living marine resource simulation models and found that global fisheries revenues could drop by 35% more than the projected decrease in

catches by the 2050s under high carbon emission scenarios. On a regional scale, changes in revenue varied greatly, with the largest negative impact likely to occur in the equatorial Pacific.  
[Read the Full Article.](#)

## **Upcoming Events**

[See a calendar of climate change and water-related training, conferences, and webinars.](#)

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This newsletter is produced by the U.S. Environmental Protection Agency, Office of Water (EPA). For questions related to the newsletter, or to submit an item, email the editor at [water\\_climate\\_change@epa.gov](mailto:water_climate_change@epa.gov).

For past issues of EPA Climate Change and Water News, as well as further information on climate change impacts on water resources, visit: <http://www2.epa.gov/climate-change-water-sector>