



United States  
Environmental Protection  
Agency

# DIRECTORY OF REGIONAL CLIMATE CHANGE ADAPTATION PROGRAMS OF FEDERAL NATURAL RESOURCES AGENCIES

VERSION 3.0  
November 2015

**NOTE TO READERS:**

The information provided in this *Directory* is accurate as of November 2015. As more information about regional deployments of other federal natural resource agencies for climate change adaptation becomes available the information in the *Directory* will be updated as resources allow. Corrections or additions to the *Directory* can be sent to the editor at [water\\_climate\\_change@epa.gov](mailto:water_climate_change@epa.gov).



**Prepared by:**  
**U.S. Environmental Protection Agency**  
**Office of Water**

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## INTRODUCTION

The President's *Climate Action Plan*, released in June of 2013, describes efforts that federal agencies will take to respond to climate change in three key areas:

- Cut carbon pollution;
- Prepare the United States for the impacts of climate change; and
- Lead international efforts to address global climate change.

Federal agencies are implementing diverse actions to help prepare for the impacts of climate change including developing and implementing climate change adaptation plans. Several federal natural resources agencies have also organized multi-state, regional programs or initiatives to deliver climate change adaptation information and assistance at a regional level.

This *Directory* was developed as a tool for EPA Regional offices to use to strengthen coordination with the regional programs developed by other federal natural resources agencies to assist in preparing for a changing climate. It may also serve to help federal agencies, States, Tribes, local governments, and other stakeholders be informed about the federal agency resources that are deployed on a regional basis to build resilience to a changing climate and to facilitate coordination among federal agencies at the regional level.

The first section of this *Directory* provides a short summary of federal natural resource agency programs that are deployed on a regional basis to support climate change adaptation and a map of the region or area served by the program. As these maps illustrate, the federal agency programs serve somewhat different regional areas based on the needs and interests of the agency.

The second section of the *Directory* is organized by the eight regions described in the 2014 *National Climate Assessment* produced by the U.S. Global Change Research Program. The *National Climate Assessment* includes chapters addressing the climate change impacts expected in each of these regions:

- Northeast;
- Southeast and Caribbean;
- Midwest;
- Great Plains;
- Southwest;
- Northwest;
- Alaska and Arctic; and
- Hawaii and Trust Territories of the Pacific Islands.



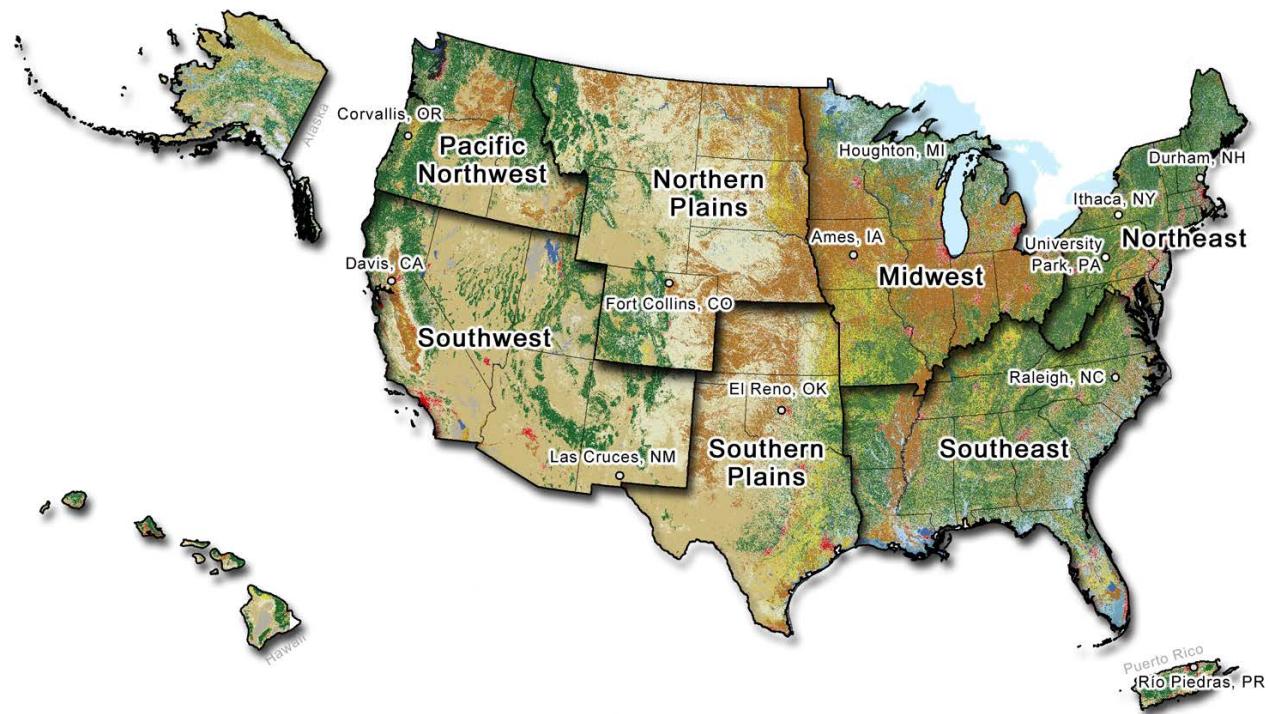
For each of these eight regions, the federal natural resources agency regional organization best associated with that region is identified and contact information for key personnel is provided. Some federal agency regional organizations serve more than one of these *National Climate Assessment* Regions and in this case the organization is listed under both regions.

# U.S. Department of Agriculture (USDA)

## USDA Regional Hubs

USDA's regional hubs will deliver information to farmers, ranchers and forest landowners to help them adapt to climate change and weather variability. The Hubs will build capacity within USDA to provide information and guidance on technologies and risk management practices at regional and local scales. For more information see the [Climate Hubs website](#), and the following resources:

- [Climate Hubs Mission and Vision](#)
- [USDA Regional Hubs for Risk Adaptation and Mitigation to Climate Change Factsheet](#)
- [Climate Hubs Charter](#)
- [Press Release: Announcement of Climate Hubs Locations \(February 5, 2014\)](#)
- Read about [Progress the Climate Hubs Made in their First Year](#)
- Visit the [USDA Climate Solutions Page](#) to Learn More about USDA Approaches to Climate Change



## **U.S. Department of Interior (DOI)**

Three key organizations within the U.S. Department of Interior assist natural resource managers in responding to climate change:

- The **National Climate Change and Wildlife Science Center** (NCCWSC) provides natural resource managers with the tools and information they need to develop and execute management strategies that address the impacts of climate change on fish, wildlife and their habitats (see contact information below);
- Eight regional **Climate Science Centers** (CSCs) provide fundamental scientific information, tools, and techniques that land, water, wildlife, and cultural resource managers and other interested parties can apply to anticipate, monitor, and adapt to climate change impacts (see map below); and
- Twenty-two **Landscape Conservation Cooperatives** (LCCs) form a network of resource managers and scientists who share a common need for scientific information and interest in conservation to better integrate science and management to address climate change and other landscape scale issues.

Collectively, the NCCWSC, the Climate Science Centers (CSCs), and Landscape Conservation Cooperatives (LCCs) form the cornerstones of DOI's integrated approach to climate change science and adaptation, addressing the full range of natural and cultural resources. CSCs prioritize delivery of usable science, research data products, and decision-support tools to meet the needs of the LCCs and other resource managers within their respective regions. The NCCWSC relies on stakeholder input for the identification of research needs, the prioritization of projects, and the elevation of research products. The NCCWSC has three primary vehicles for stakeholder input - each representing slightly different segments of the stakeholder community: LCCs, CSCs, and the Federal Advisory Committee on Climate Change and Natural Resource Science (ACCCNRS).

See [Factsheet on the National Climate Change and Wildlife Science Center](#) (February 2014);

See [Factsheet on the Climate Science Centers](#) (April 2012);

See [Factsheet on the Landscape Conservation Cooperatives](#) (July 2012).

Note: A map of the CSCs and LCCs can be found on the following page.

### **National Climate Change and Wildlife Science Center**

NCCWSC Chief: T. Douglas Beard, Jr., Ph.D.

(703) 648-4215; [dbeard@usgs.gov](mailto:dbeard@usgs.gov)

Mailing Address:

National Climate Change and Wildlife Science Center (NCCWSC)

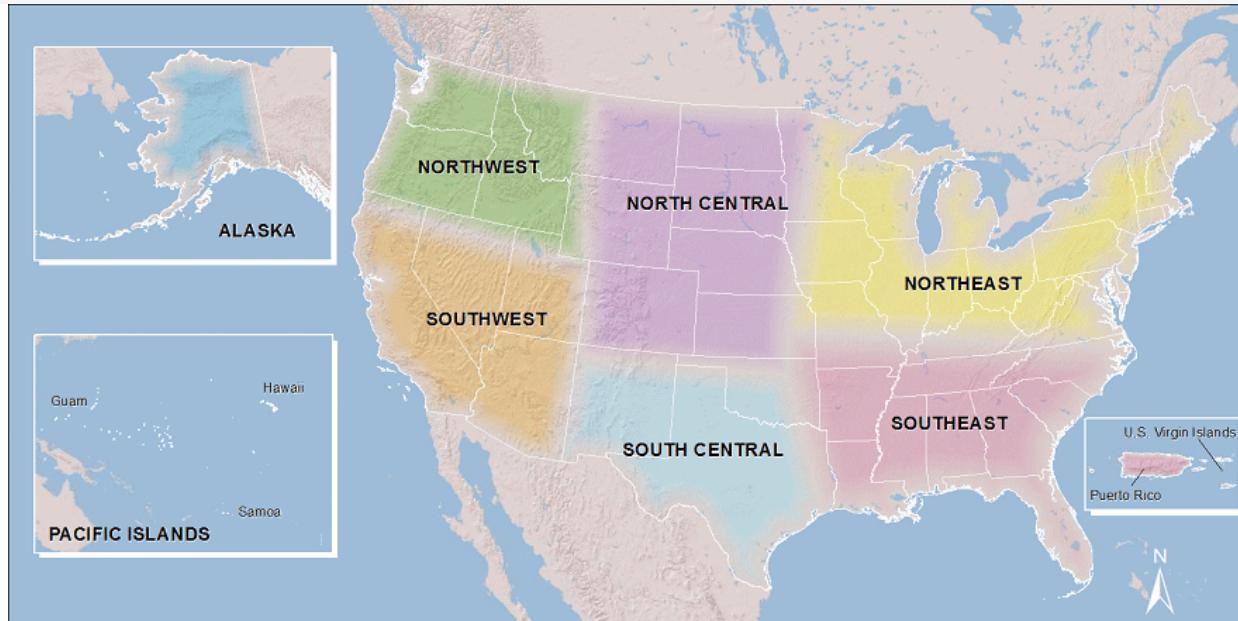
U.S. Geological Survey

12201 Sunrise Valley Drive, MS 516

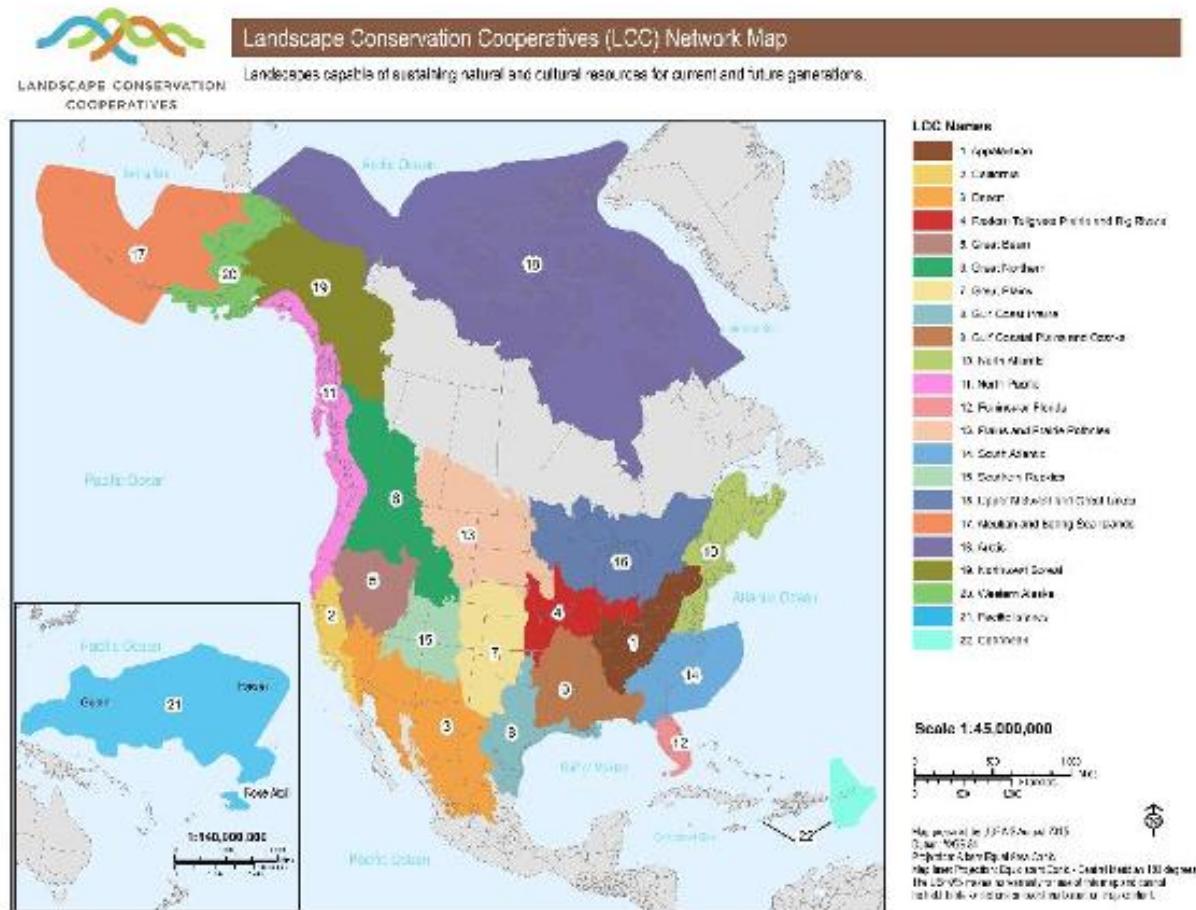
Reston, VA 20192

<http://nccwsc.usgs.gov>

Climate Science Centers (<https://www.doi.gov/csc/centers>)



Landscape Conservation Cooperatives (for a larger image, visit: <http://lccnetwork.org/map>)



# National Oceanic and Atmospheric Administration (NOAA)

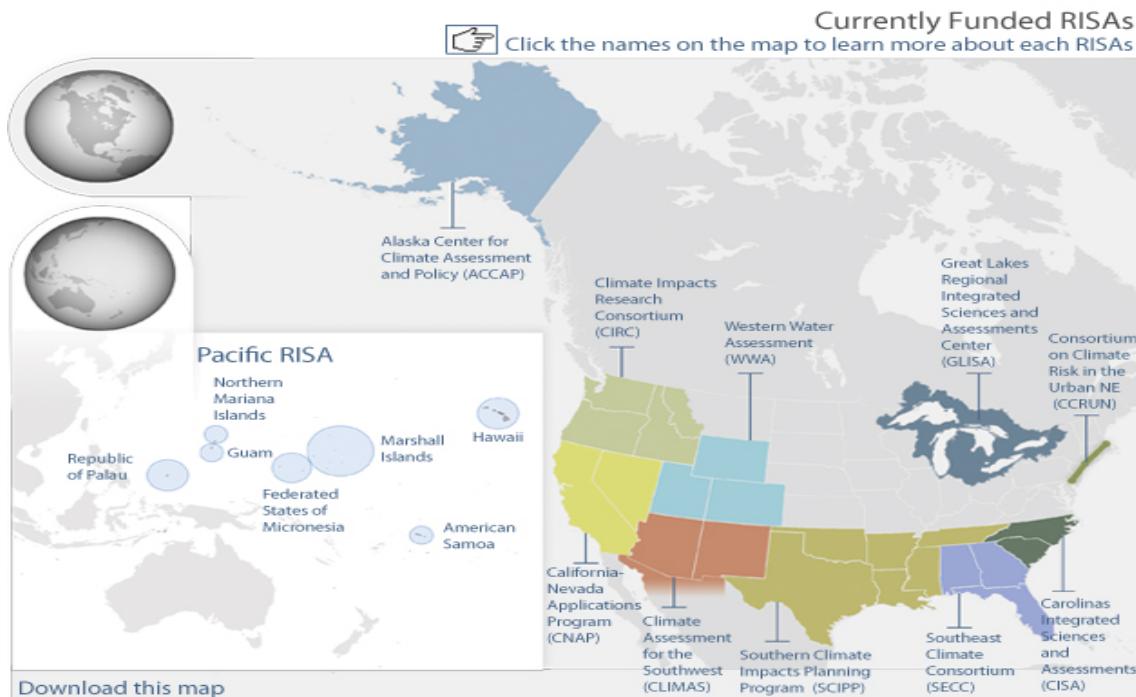
NOAA's [Regional Integrated Sciences and Assessments \(RISA\) Program](#) supports research teams that help expand and build the nation's capacity to prepare for and adapt to climate variability and change. Central to the RISA approach are commitments to process, partnership, and trust building. RISA teams work with public and private user communities to:

- advance understanding of context and risk;
- support knowledge to action networks;
- innovate services, products, and tools to enhance the use of science in decision making; and,
- advance science policy.

## RISA NATIONAL PROGRAM MANAGERS

Sarah Close, Ph.D.  
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Caitlin Simpson  
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# U.S. Environmental Protection Agency (EPA)

EPA has ten regional offices across the country, each of which is responsible for several states and in some cases, territories or special environmental programs.

EPA Regional Office managers and staff work with States and Tribal governments in partnerships to implement environmental protection programs authorized under the Clean Air Act, Clean Water Act, Safe Drinking Water Act, Superfund, and Resource Conservation and Recovery Act or other environmental laws. Regional offices also assist local governments and other organizations in developing responses to a range of environmental and public health challenges, including the impacts of a changing climate.

## EPA Climate Change Adaptation Coordination

Joel Scheraga

Office of Policy

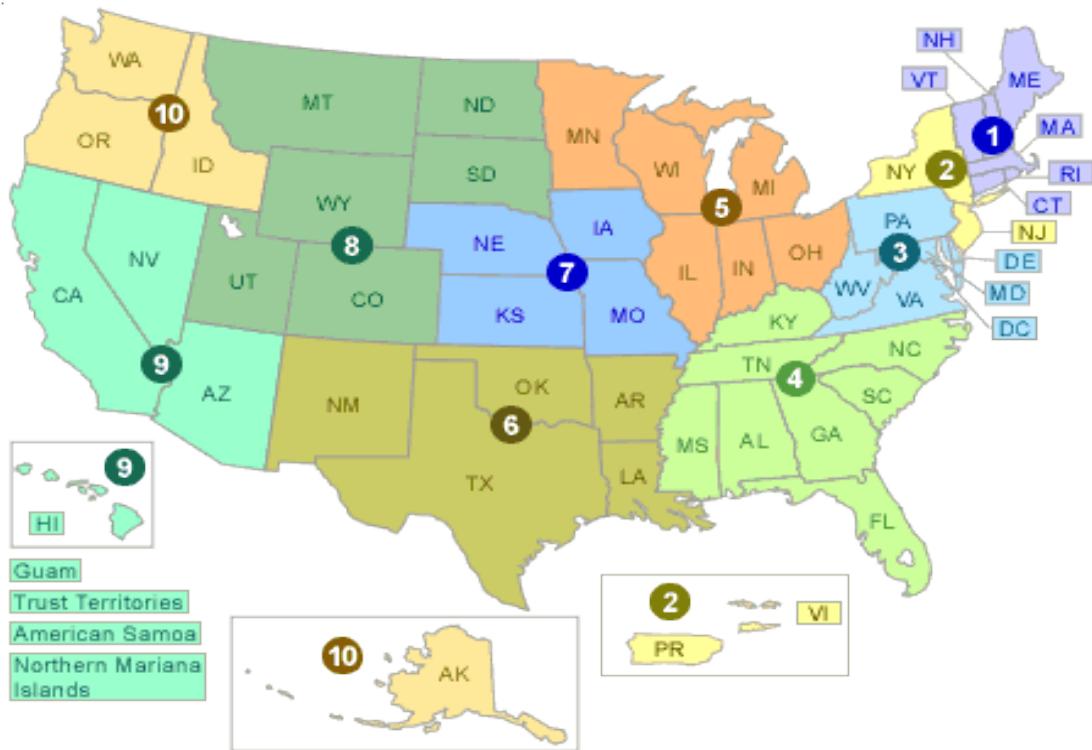
(202) 564-3385

[scheraga.joel@epa.gov](mailto:scheraga.joel@epa.gov)

EPA Climate Change Website: <http://epa.gov/climatechange/>

EPA Climate Change and Water Website: <http://www2.epa.gov/climate-change-water-sector>

## EPA Regional Offices



# U.S. Army Corps of Engineers (USACE)

The U.S. Army Corps of Engineers has eight Division Offices across the county:

1. North Atlantic Division (NAD);
2. South Atlantic Division (SAD);
3. Great Lakes and Ohio River Division (LRD);
4. Mississippi Valley Division (MVD);
5. Southwestern Division (SWD);
6. South Pacific Division (SPD);
7. Northwest Division (NWD); and
8. Pacific Ocean Division (POD).

These divisions covering multiple States and Tribal areas are broken up into districts as shown below. The divisions and districts work with their local partners and stakeholders and Tribes in authorized activities supporting Civil Works and Military Missions programs and operations. Effective climate change preparedness and resilience is especially important for USACE because the hydrologic processes underlying water resources management are very sensitive to changes in climate and weather and also because those same changes affect our military support missions, both nationally and internationally.

## USACE Climate Preparedness and Resilience Community of Practice

Kathleen D. White, Ph.D., P.E.

Lead, Climate Preparedness and Resilience CoP

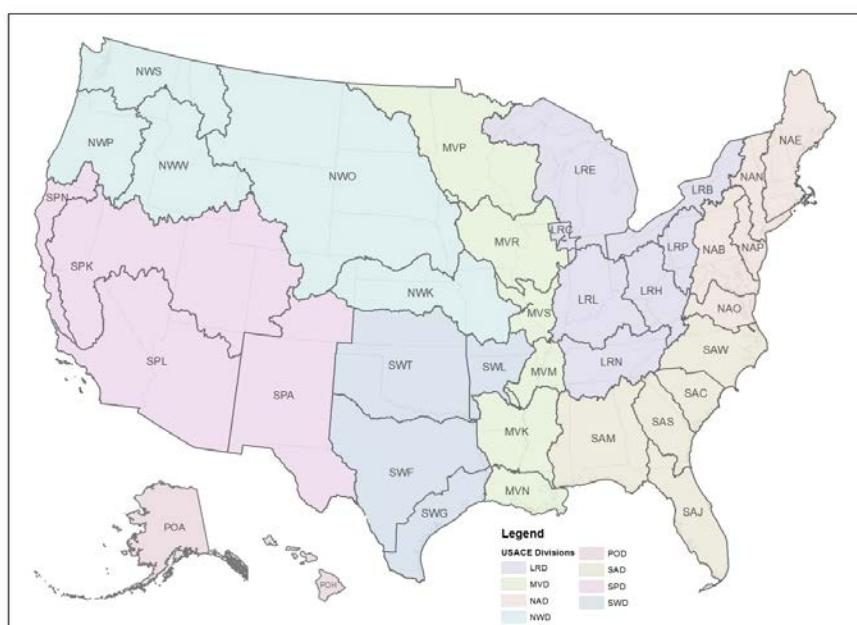
U.S. Army Corps of Engineers Institute for Water Resources

(603) 646-4187

[kathleen.d.white@usace.army.mil](mailto:kathleen.d.white@usace.army.mil)

USACE Climate Change Website: <http://www.corpsclimate.us>

## USACE Divisions



# NORTHEAST

## USDA REGIONAL HUB

### **Northeast** (<http://climatehubs.oce.usda.gov/northeast-hub>)

David Hollinger (Director)  
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### **Midwest** (<http://climatehubs.oce.usda.gov/midwest-hub>)

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### **Midwest Sub-Hub**

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## DOI CLIMATE SCIENCE CENTER

### **Northeast Climate Science Center**

University of Massachusetts  
Amherst, Massachusetts  
[www.doi.gov/csc/northeast](http://www.doi.gov/csc/northeast)

Dr. Mary Ratnaswamy (Director)  
U.S. Geological Survey  
(413) 545-3424  
[mratnaswamy@usgs.gov](mailto:mratnaswamy@usgs.gov)

Dr. Richard Palmer (University Director)  
University of Massachusetts  
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[palmer@ecs.umass.edu](mailto:palmer@ecs.umass.edu)

Host: University of Massachusetts, Amherst *with* College of Menominee Nation, Columbia University, Marine Biological Laboratory, University of Minnesota, University of Missouri - Columbia, and University of Wisconsin, Madison.

## **DOI LANDSCAPE CONSERVATION COOPERATIVES**

### **North Atlantic LCC (<http://www.northatlanticlcc.org>)**

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U.S. Fish and Wildlife Service

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## **NOAA RISA**

### **Consortium for Climate Risk in the Urban Northeast**

<http://ccrun.org/>

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/RISAProgram/RISATEams/CRUN.aspx>

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Affiliated Institutions: City College of New York; Columbia University; Drexel University; NASA Goddard Institute for Space Studies; Stevens Institute of Technology; and University of Massachusetts, Amherst.

## **NOAA Regional Climate Center**

### **Northeast (<http://www.nrcc.cornell.edu/>)**

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Northeast Regional Climate Center

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### Great Lakes and Ohio River Division

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# SOUTHEAST AND CARIBBEAN

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State Climatologist and Director

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(919) 513-2816

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(919) 515-7687

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### **Gulf Coastal Plains and Ozarks LCC (<http://gcpolcc.org/>)**

Greg Wathen (Coordinator)  
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[greg.wathen@tn.gov](mailto:greg.wathen@tn.gov)

### **Appalachian LCC (<http://applcc.org/>)**

Dr. Jean Brennan (Coordinator)  
Contact info: n/a

### **Gulf Coast Prairie LCC (<http://gulfcoastprairieLCC.org/>)**

Bill Bartush (Coordinator)  
(337) 266-8816  
[bill\\_bartush@fws.gov](mailto:bill_bartush@fws.gov)

### **Peninsular Florida LCC (<http://peninsularfloridalcc.org/>)**

Tim Breault (Coordinator)  
Contact info: n/a

### **Caribbean LCC (<http://caribbeanlcc.org/>)**

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International Institute of Tropical Forestry  
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[wgoold@fs.fed.us](mailto:wgoold@fs.fed.us)

### **North Atlantic LCC (<http://www.northatlanticlcc.org/>)**

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## **NOAA RISAS**

### **Southeast Climate Consortium**

<http://www.seclimate.org/>

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/RISAProgram/RISATEams/SEC.aspx>

James Jones and James O'Brien (Principal Investigators)

Affiliated Institutions: Auburn University; Clemson University; Florida State University; North Carolina State University; University of Alabama, Huntsville; University of Florida; University of Georgia; and University of Miami.

### **Southern Climate Impacts Planning Program**

<http://www.southernclimate.org/>

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/RISAProgram/RISATEams/SIPP.aspx>

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Director of Climate Services,  
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### **Carolinias Integrated Sciences and Assessment**

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<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/RISAProgram/RISATEams/CISA.aspx>

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University of South Carolina  
Columbia, South Carolina

Affiliated Institutions: East Carolina University; North Carolina Sea Grant; North Carolina State University; South Carolina Department of Natural Resources; South Carolina Sea Grant; Southeast Regional Climate Center; University of North Carolina; and University of South Carolina

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### EPA Region 3

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(601) 634-5760

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**Southwestern Division**

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# MIDWEST

## USDA REGIONAL HUB

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## DOI CLIMATE SCIENCE CENTER

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Amherst, Massachusetts

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Dr. Richard Palmer (University Director)

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[palmer@ecs.umass.edu](mailto:palmer@ecs.umass.edu)

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## DOI LANDSCAPE CONSERVATION COOPERATIVES

**Upper Midwest and Great Lakes LCC** (<http://greatlakeslcc.org/>)

John Rogne (Coordinator)

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Barrington, Illinois

(847) 381-2253 ext. 12

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**Eastern Tallgrass Prairie and Big Rivers LCC** (<http://www.tallgrassprairielcc.org/>)

Glen Salmon (Coordinator)

Bloomington, Indiana

(812) 334-4261, ext. 211

[glen\\_salmon@fws.gov](mailto:glen_salmon@fws.gov)

## NOAA RISA

**Great Lakes Integrated Sciences and Assessment Center**

<http://glisa.umich.edu/>

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/RISAProgram/RISATeams/GLISA.aspx>

Thomas Dietz (Principal Investigator)

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Donald Scavia (Principal Investigator)

University of Michigan

Affiliated Institutions: Michigan State University; Ohio Sea Grant; Ohio State University; and University of Michigan.

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### **Mississippi Valley Division**

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### **Northwestern Division**

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# GREAT PLAINS

## USDA REGIONAL HUBS

**Northern Plains** (<http://climatehubs.oce.usda.gov/northern-plains-hub>)

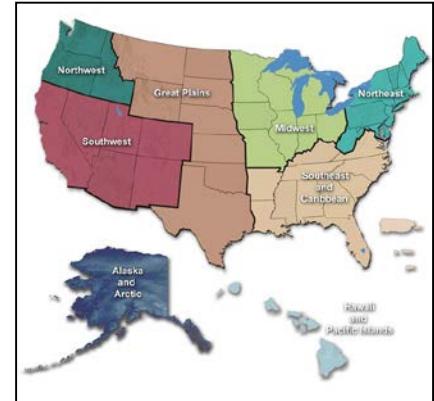
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**Southern Plains** (<http://climatehubs.oce.usda.gov/southern-plains-hub>)

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## DOI CLIMATE SCIENCE CENTERS

### North Central Climate Science Center

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North Central Climate Science Center

Colorado State University

Fort Collins, Colorado

Dr. Jeffrey Morisette (Director)

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Host: Colorado State University, Fort Collins *with* Colorado School of Mines, Iowa State University, Kansas State University, Montana State University, University of Colorado, University of Montana, University of Nebraska - Lincoln, and University of Wyoming.

**South Central Climate Science Center** (<http://southcentralclimate.org/>)  
Norman, Oklahoma

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(405) 325-0599  
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Dr. Renee McPherson (University Director)  
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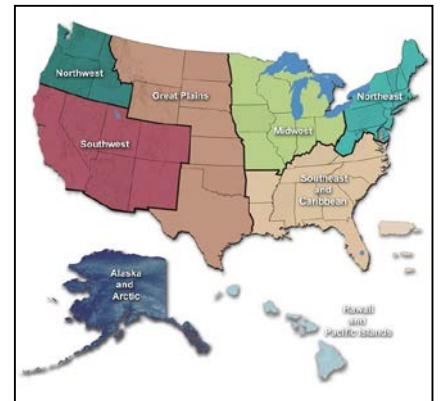
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