



ADAPTING FORESTED WATERSHEDS TO CLIMATE CHANGE WORKSHOP



DETAILS

April 4-5, 2017
Antioch Univ., Keene, NH

INTERESTED?

RSVP at <https://goo.gl/7BmFck>

- ✓ *No fee for attendance*
- ✓ *Lunch and light refreshments provided*

Additional info available at:

www.forestadaptation.org/water

Questions on this workshop and requests can be directed to [Danielle Shannon](mailto:dshannon@mtu.edu)
dshannon@mtu.edu

Northern Institute of Applied Climate Science

**This workshop is being organized by the Northern Institute of Applied Climate Science, the USDA Northern Forests Climate Hub, US Forest Service, Trout Unlimited, and Antioch University New England.*

APRIL 4: PREPARING FOR CLIMATE CHANGE IN FORESTED WATERSHEDS

Natural resource managers face the tremendous challenge of developing and implementing management actions that help ecosystems respond to climate change. This session will:

- **Outline adaptation concepts and strategies** in the context of sustainable management of water resources in forested areas.
- **Provide information on the current and anticipated effects** of climate change on water resources in forested landscapes of the Northeast.
- **Describe resources and tools that can be used to integrate climate change** into the management of forest water resources.
- **Identify actions that enhance the ability of forested watersheds and other ecosystems to adapt to changing conditions.**

Real-world examples of climate adaptation projects that work to meet landowner goals will be featured, and participants will engage in a variety of interactive activities to identify climate change issues and potential adaptation actions.



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Center for Climate Preparedness and Community Resilience

APRIL 5: FOREST-WATER ADAPTATION PLANNING & PRACTICES

The second day of the workshop will focus on the testing and **continued development** of a set of [adaptation strategies and approaches](#) for managing water resources in rural, forested landscapes. During this active, hands-on session, participants will use the [Adaptation Workbook](#) to consider climate change impacts and identify adaptation options in [real-world management](#) situations. Feedback from Day 2 will directly inform the continued development of the new *Forests and Water Strategies and Approaches* menu. **Contact [Danielle Shannon](#)** to request additional information or inquire about attendance. **RSVP at <https://goo.gl/7BmFck>**



ADAPTING FORESTED WATERSHEDS TO CLIMATE CHANGE WORKSHOP

APRIL 4: PREPARING FOR CLIMATE CHANGE IN FORESTED WATERSHEDS

8:30 **Registration & Coffee**

9:00 **Welcome & Introduction**

- *Dave Hollinger, Director, USDA Northeast Climate Hub, U.S. Forest Service (USFS)*
- *Michael H. Simpson, Co-Director, Center for Climate Preparedness and Community Resilience*

9:20 **Changing Climate in the Northeast**

- *Michael H. Simpson, Co-Director, Center for Climate Preparedness and Community Resilience*

10:00 **Climate Change Effects on Regional Hydrology**

- *Paul Barten, Univ. of Massachusetts - Amherst*

10:45 **Break**

11:00 **Climate Change Effects on Forest Ecosystems**

- *Maria Janowiak, Deputy Director, Northern Institute of Applied Climate Science and USFS*

11:30 **Climate and Water Tools to Support Aquatic Communities and Connectivity**

- *Keith Nislow, Northeast Climate Science Center, Univ. of Massachusetts – Amherst, USFS*
- *Scott Jackson, North Atlantic Aquatic Connectivity Collaborative, Univ. of Massachusetts - Amherst*

12:30 **Lunch (Provided)**

1:30 **Activity - Climate Challenges and Opportunities**

2:00 **Break**

2:15 **Adaptation in the Real World**

- *Danielle Shannon, Northern Institute of Applied Climate Science, Michigan Technological University*
- *Erin Rodgers, Trout Unlimited*

3:45 **Communicating Climate Change**

- *Christa Daniels, Antioch University – New England*

4:30 **Wrap up activity**

5:00 **Adjourn**



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**This is a tentative agenda and is subject to change.*

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APRIL 5: RESPONDING TO CLIMATE CHANGE IN WATERSHED MANAGEMENT

- 8:30 *Registration & Coffee*
- 9:00 *Welcome & Introduction to the Workbook*
- 9:20 *Workbook Step 1 – Introduction to projects*
- 9:35 *Workbook Step 2 – Introduction*
- 9:40 *Activity - Workbook Step 2*
- 10:10 *Break*
- 10:25 *Workbook Step 3 – Introduction*
- 10:35 *Activity: Workbook Step 3*
- 11:30 *Lunch (Provided)*
- 12:30 *Workbook Step 4 – Introduction*
- 12:40 *Activity - Workbook Step 4*
- 2:00 *Break*
- 2:15 *Activity - Discussion*
- 3:00 *Workbook Step 5 – Introduction and discussion*
- 4:30 *Final Discussion/Wrap up*
- 5:00 *Adjourn*

Activities use the Adaptation Workbook.

[Day 2 will use the Adaptation Workbook](#) to consider climate change impacts and identify adaptation options in [real-world management](#) situations.

BACKGROUND FOR DAY 2 ACTIVITIES

The Northern Institute of Applied Climate Science (NIACS) is expanding on the published adaptation toolkit for forest managers - *Forest Adaptation Resources and the Adaptation Workbook*, to develop a new resource focused on forests and water resources applicable to watershed management.

The Adaptation Workbook is a structured process to consider the potential effects of climate change and design land management and conservation actions that can help prepare for changing conditions.

The workbook creates a practical framework for managers to design custom-built management actions to help reduce risks and increase the success of their management goals.

On Day 2 of this workshop, participants will use the new menu of strategies and approaches while using the Adaptation Workbook in project planning. Feedback from this session will inform continued development of the tool.

MORE INFORMATION

Find more information on the structured decision-making process - the Forest Adaptation resources and Adaptation Workbook at: forestadaptation.org/far.

WHO HAS USED THIS PROCESS?

Find over 200 real-world projects that have used the Adaptation Workbook in climate-informed project planning and implementation, featured at forestadaptation.org/demos.