

## ONLINE TRAINING

# FOREST ADAPTATION PLANNING AND PRACTICES

The Northern Institute of Applied Climate Science and USDA Northern Forests Climate Hub are offering the [Forest Adaptation Planning and Practices](#) training as an online course for forest managers (in a series of seven 1.5-hour sessions).

This unique opportunity provides hands-on training in considering climate change information and identifying adaptation actions for natural resources management professionals working in forests and natural ecosystems. Participants will receive coaching and feedback on their own real-world climate adaptation project.

## PARTICIPANTS WILL BE ABLE TO:

- Identify locally-important climate change impacts, challenges, and opportunities
- Develop specific actions to adapt forests to changing conditions
- Use the [Adaptation Workbook](#) to create their own “climate-informed” projects
- Better communicate with stakeholders about key climate change impacts, challenges, and opportunities
- Access post-training support from NIACS staff during project planning and implementation



Northern Forests Climate Hub  
U.S. DEPARTMENT OF AGRICULTURE



## DETAILS

### DATES

Seven 1.5-hour sessions  
Weekly January 21 – March 11, 2019

### GEOGRAPHIC FOCUS

Information will focus on forests ecosystems in New England and New York.



### DETAILS

[www.forestadaptation.org/FAPOnline](http://www.forestadaptation.org/FAPOnline)  
*There is no registration fee thanks to support from the US Forest Service and USDA Northern Forests Climate Hub.*

### QUESTIONS?

Contact Maria Janowiak  
([mjanowiak02@fs.fed.us](mailto:mjanowiak02@fs.fed.us)) or Todd Ontl  
([tontl@fs.fed.us](mailto:tontl@fs.fed.us))

## WHO SHOULD PARTICIPATE?

This training is designed for natural resources professionals working in forests and associated ecosystems in New England and New York. This includes foresters, natural resource managers, and consultants working on public, tribal, and private lands. Professionals providing Extension, service forestry, or technical assistance to foresters and woodland owners are also encouraged to participate. Individuals as well as small teams can participate in the course.

We ask participants to bring their own real-world projects.

Example projects could include:

- a forest management or stewardship plan for a property or parcel
- a timber sale or harvest plan for a single stand or multiple stands
- a habitat management plan for a wildlife species



Examples of Adaptation Demonstration projects that have used the Adaptation Workbook are online at [www.forestadaptation.org/demos](http://www.forestadaptation.org/demos).

## HOW DOES THE ONLINE COURSE WORK?

The seven-week online course draws on a combination of regular webinars and discussions with all participants, as well as independent work time to create adaptation projects. Throughout the course, participants will develop (individually or in small groups) their own climate-informed adaptation project.

- **Seven 1.5-hour web meetings** bring together all course participants to present and discuss key concepts, as well as share insights and questions related to individual projects. We expect participants to attend all sessions, but meetings will be recorded for those who may need to miss a session. **The weekly meeting time will be determined based on the availability of participants.**
- **Assignments** will guide participants through the new material, actively engaging them with recorded presentations, the online [Adaptation Workbook](http://www.forestadaptation.org), and other activities. Participants will be assigned work to complete before each session, which is generally expected to take 2-4 hours to complete.

**Interested? Please register online by December 28, 2018**

[www.forestadaptation.org/FAPPOne](http://www.forestadaptation.org/FAPPOne)

# COURSE OUTLINE

Registered participants will receive instructions regarding how to prepare for the training in advance of the first meeting session. Prior to the training, participants are asked to identify a project to be used during the training and provide some additional information to course instructors.

## **Session 1 (week of January 21) — Course Introduction; Defining Project Goals and Objectives**

- Course objectives, instructors, and agenda
- Introduction to the Adaptation Workbook tool (tutorial)
- Defining project scope and management goals/objectives
- *Assignment 1: Define project goals and objectives (complete in preparation for Session 1)*

## **Session 2 (week of January 28) — Defining Project Goals and Objectives**

- Climate projections and impacts on tree species, ecosystems, and regions
- Prioritizing vulnerabilities of greatest concern for management goals/objectives
- *Assignment 2: Assess climate impacts and vulnerabilities.*

## **Session 3 (week of February 4) — Evaluating Management Challenges and Opportunities**

- Re-considering and revising management goals/objectives in light of climate challenges
- Practice articulating climate-adaptive management goals/objectives
- *Assignment 3: Evaluate objectives considering climate impacts.*

## **Break (week of February 11) — No session**

- Use extra time to catch up on projects and have office hours with instructors

## **Session 4 (week of February 18) — Identifying Adaptation Strategies, Approaches and Tactics**

- Meeting existing demands while preparing for future conditions
- Adaptation concepts: resisting change, enhancing resilience, and facilitating transitions
- Developing specific actions for climate-change adaptation
- *Assignment 4: Identify adaptation approaches and tactics.*

## **Session 5 (week of February 25) — Monitoring and Evaluating Effectiveness**

- Tools for measuring effectiveness of implemented adaptation actions
- Capitalizing on existing data, inventory or monitoring processes/partnerships
- *Assignment 5: Monitor effectiveness of implemented actions.*

## **Session 6 (week of March 4) — Telling your Adaptation Story, Part 1**

- Tools for measuring effectiveness of implemented adaptation actions
- Capitalizing on existing data, inventory or monitoring processes/partnerships
- *Assignment 6: Complete adaptation project plans.*

## **Session 7 (week of March 11) — Telling your Adaptation Story, Part 2**

- Summarizing and pitching adaptation plans to partners, clients, and others
- Next steps for implementation

*This course has been approved for 21 Continuing Forestry Education credits by the Society of American Foresters.*

## INSTRUCTORS

This training will be led by a team of experienced instructors specializing in climate adaptation:

### **Maria Janowiak, Northern Institute of Applied Climate Science & US Forest Service**



Maria Janowiak is the coordinator for the New England Climate Change Response Framework, serving the states of New York, Vermont, New Hampshire, Maine, Massachusetts, Connecticut, and Rhode Island. Maria is also a co-coordinator of the Northwoods Climate Change Response Framework, with an emphasis on northern Wisconsin and Michigan's western Upper Peninsula. Maria has been working with land managers on issues related to climate change and adaptation since 2007. Outside of work, Maria is often found spending time with her gardens and bicycles.

### **Todd Ontl, Northern Institute of Applied Climate Science & USDA Northern Forests Climate Hub**



Todd's work as the Fellow for the USDA Northern Forest Climate Hub focuses on evaluating the diverse array of adaptation demonstration projects developed through the Climate Change Response Framework to understand decision-making for climate adaptation in forest management. The goals of his work are to improve collaboration with stakeholders as well as inform field research and landscape modeling efforts intended to understand the ecological outcomes of adaptation. Outside of work, Todd's goals include significantly reducing his pile of unfinished furniture-building projects without starting any new ones.

## REGISTER!

There is no registration fee thanks to support from the US Forest Service and the USDA Northern Forests Climate Hub.

**Interested individuals or teams should register at:**

**[www.forestadaptation.org/FAPPOne](http://www.forestadaptation.org/FAPPOne)**

### ***Have more questions?***

Have more questions? Contact Maria at [mjanowiak02@fs.fed.us](mailto:mjanowiak02@fs.fed.us) or Todd at [tontl@fs.fed.us](mailto:tontl@fs.fed.us) to learn more about the course and whether it's right for you.