



Agenda & Logistics

www.forestadaptation.org/VT

December 3-4, 2013
Vermont Technical College
Randolph, VT

Forest Adaptation Planning and Practices

Logistics

Location

The course will be held at the Vermont Technical College in Randolph Vermont. The training will be held in Judd Hall on Dec. 3 (open to a wider group of participants) and in the Red Schoolhouse on Dec. 4 (FAPP participants only). [View campus map.](#)

Contacts

If you have questions:

- Sandy Wilmot, Vermont Dept. of Forests, Parks & Recreation is coordinating the training participants and venue (Sandy.Wilmot@anr.state.vt.us).
- Maria Janowiak, Northern Institute of Applied Climate Science & US Forest Service, is coordinating the training curriculum and providing assistance to participants during and after the training (mjanowiak02@fs.fed.us).

Sign up!!!

If you are planning to attend, please RSVP Sandy Wilmot (Sandy.Wilmot@anr.state.vt.us) by DATE.

Outcomes

Forest Adaptation Planning and Practices is an active, hands-on training, to assist natural resource managers in incorporating climate change considerations and identifying actions for adaptation into their own real-world forest management projects.

Through this training, participants will be able to:

- Describe regional and local effects of climate change on forest ecosystems
- Understand adaptation concepts and principles in the context of sustainable forest management
- Use *Forest Adaptation Resources* in real-world management projects to:
 - ✧ Identify challenges and opportunities for management
 - ✧ Develop actionable steps to adapt forests to changing conditions
 - ✧ Create their own climate-informed forest management project

Pre-Work

Participants will develop a project idea and gain familiarity with key resources prior to the training, which will help make the best use of time at the in-person training. A team page has been set up online to provide these resources, including links to the pre-work and relevant resources and examples of other projects.

Webinar

An online web presentation and conference call was provided to participants on November 13th. To view the recording of the presentation, which includes helpful context and information for the course, visit: <http://mtu.adobeconnect.com/p8hld2qbz17/>.

Checklist

Before attending the training in Randolph on December 3-4, participants are asked to review the following list and complete the recommended items. Optional items have also been recommended for completion, time permitting. Questions about any of these can be directed to Maria Janowiak (mjanowiak02@fs.fed.us).

- ☐ Participate in the November 13 webinar or watch the recorded version at: <http://mtu.adobeconnect.com/p8hld2qbz17/>.
- ☐ Assemble relevant materials and information your forest management project (maps, inventory information, fact sheets, management plans, etc.) for use during the pre-work and in-person training.
- ☐ Read the Introduction of [Forest Adaptation Resources](#) (pgs. 1-7) and scan the [Adaptation Workbook](#) (pgs. 35-56)
- ☐ Complete Step #1 of the [Adaptation Workbook](#), by November 27th if possible. Electronic copies of the worksheet can be downloaded online:
 - [Excel version of the worksheets](#)
 - [Word version of the worksheets](#)
- ☐ Review documents describing the effects of climate change on Vermont and its ecosystems (optional). Some sources:
 - Impacts of Climate Change on Forests of the Northeastern US: www.nrs.fs.fed.us/pubs/41165
 - Vermont ANR Climate Change Website: www.anr.state.vt.us/anr/climatechange/
 - Vermont Climate Change Adaptation Framework Report (Chapters 2 & 3) www.anr.state.vt.us/anr/climatechange/Library.html
 - Climate Change in the Northeast: A Sourcebook (Draft Regional National Climate Assessment Report): http://downloads.usgcrp.gov/NCA/Activities/nca_ne_full_report_v2.pdf
- ☐ Review the one-page [list of the Adaptation Strategies and Approaches](#).
- ☐ Read the [Adaptation Strategies and Approaches chapter](#) (pgs. 15-34) of [Forest Adaptation Resources](#) (optional).
- ☐ Begin Step #2 of the [Adaptation Workbook](#) (optional)
- ☐ Listen to the presentations and discussion during the December 3 event and consider your forest management project:
 - What potential climate change impacts are most likely to affect the project area?
 - What characteristics of the project area make the existing forests more or less vulnerable to climate change?

Preliminary Agenda

December 3: Preparing for Climate Change

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

- Provide information on the current and anticipated effects of climate change on Vermont and its forests
- Describe resources and tools that can be used to integrate climate change into management
- Outline adaptation concepts and strategies in the context of sustainable forest management
- Identify actions that enhance the ability of forests and other ecosystems to adapt to changing conditions
- Real-world examples of adaptation projects will be featured, and participants will engage in a variety of interactive activities to identify climate change issues and potential adaptation actions.

Location: Judd Hall, Vermont Technical College

8:30 **Registration**

9:00 **Welcome & Introduction**

Michael Snyder, Commissioner of Vermont Dept. Forests, Parks & Recreation

Chris Swanston & Maria Janowiak, Northern Institute of Applied Climate Science & US Forest Service

9:30 **Vermont's Changing Climate: Past, Present, & Future**

Alan Betts

10:15 **Break**

10:30 **Climate Change Effects on Forest Ecosystems**

Chris Swanston, Northern Institute of Applied Climate Science & US Forest Service

11:30 **Adapting Forests to Climate Change: Approaches for Action**

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

12:00 **Lunch (on your own)**

1:00 **Vermont's Adaptation Framework & Silvicultural Guidance**

Sandy Wilmot, Vermont Dept. Forests, Parks & Recreation

1:20 **Real-world Examples of Forest Adaptation**

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

1:45 **Break**

2:00 **Small Group Breakout**

3:30 **Discussion of Breakout**

4:00 **Adjourn**

December 4: Forest Adaptation Planning & Practices

This active, hands-on training will be held on December 4 for a limited number of participants. Natural resource managers will incorporate climate change considerations and identify actions for adaptation into their own real-world forest management projects. This training requires pre-meeting preparation and active engagement from the participants. Participants will bring a real-world forest management project (identified in advance) to the training, and then use [Forest Adaptation Resources: Climate Change Tools and Approaches](#) to identify practical adaptation actions that can be implemented following the training. Staff from the Northern Institute of Applied Climate Science will facilitate the training and provide post-training follow-up and assistance.

Location: Red Schoolhouse, Vermont Technical College

8:30 **Registration**

8:30 **Introduction**

Introduce participants and instructors.

Outline objectives and agenda for training.

9:00 **Climate Change Impacts on Forest Management Projects**

Describe forest management projects, including climate change impacts identified during the pre-work.

Identify additional climate change impacts relevant to the project locations.

Complete Adaptation Workbook Step #2.

10:00 **Break**

10:15 **Challenges/Opportunities for Meeting Management Objectives – Presentation/Breakouts/Discussion**

Identify challenges and opportunities relevant to the project management objectives.

Evaluate whether it is feasible to achieve management objectives.

11:30 **Identifying Forest Adaptation Approaches and Tactics – Presentation/Breakouts**

Select potential adaptation actions from the menu of Adaptation Strategies and Approaches.

Evaluate potential adaptation tactics as part of Adaptation Workbook Step #4.

12:00 **Lunch**

1:00 **Identifying Forest Adaptation Approaches and Tactics – Breakouts/Discussion**

Select potential adaptation actions from the menu of Adaptation Strategies and Approaches.

Evaluate potential adaptation tactics as part of Adaptation Workbook Step #4.

3:00 **Break**

3:15 **Identifying Metrics for Monitoring and Evaluating Effectiveness – Presentation/Breakouts/Discussion**

Identify metrics to use to evaluate the effectiveness of adaptation actions as part of Adaptation Workbook Step #5

Complete Adaptation Workbook Step #5

4:00 **Next Steps & Wrap-up**

4:30 **Adjourn**