Agenda

8:15 – 9:00  Registration and Coffee (Livak Fireplace Lounge. Coffee in Sugar/Silver Maple)

8:30 – 8:45  What is the FEMC? (Williams Family Room)
First time at the FEMC conference? Want to learn more about what the FEMC does and how it works? Grab some coffee and join us for a quick pre-conference intro session to kick off your day.

9:00 – 9:20  Introduction and Welcome (Sugar/Silver Maple)

9:20 – 10:30  Plenary: Climate Change Impacts on Northeastern Forests, Water, and Wildlife (Sugar/Silver Maple)

Maria Janowiak, Deputy Director, Northern Institute of Applied Climate Science
What’s at risk? Implications of climate change in our region’s forests

Toni Lyn Morelli, USGS Research Ecologist, DOI Northeast Climate Adaptation Science Center
Climate Change Vulnerability and Adaptation of Forest Wildlife

Keith Nislow, Research Fisheries Biologist, USDA-Forest Service Northern Research Station
Water and aquatic ecosystems in a changing regional climate

10:30 – 10:50  Coffee Break (Sugar/Silver Maple)

10:50 – 12:10  Contributed Talks 1 (see grids on page 2)

12:10 – 1:20  Lunch (Sugar/Silver Maple)

1:20 – 2:40  Contributed Talks 2 (see grids on page 3)

2:40 – 3:00  Coffee Break

3:00 – 4:30  Working Groups (see list on page 4)

4:30 – 5:30  Poster Session and Social (Silver Maple)
10:50 – 12:10  Contributed Talks 1

**SPECIAL TRACK**: This track of talks continues throughout the day and connects to a working session in the afternoon.

### Forests and Climate
**Moderator**: Maria Janowiak  
**Room**: Silver Maple

- Adaptive Silviculture for Climate Change: Examining strategies for adapting northern forests to global change  
  **Peter Clark**

### Wildlife and Climate
**Moderator**: Toni Lyn Morelli  
**Room**: Chittenden Bank

- Quantifying the relative projected impacts of climate change and urban growth on the capability of the northeast to support wildlife  
  **William V. DeLuca**

### Water and Climate
**Moderator**: Kacey Clougher  
**Room**: Mildred Livak

- Climate change effects on water quantity and quality in the Northern Forest  
  **Jamie Shanley**

### Forest Health
**Moderator**: Rebecca Stern  
**Room**: Frank Livak

- Long-term bird monitoring in northeastern National Parks  
  **Aaron Weed**

### Special Track
**Year of the Bird 1**  
**Moderator**: John Lloyd  
**Room**: Jost Foundation

- Forest Management on New York Wildlife Management Areas  
  **Katherine Yard**

### Vermont Agency of Natural Resources

- Distribution dynamics of mesocarnivore populations along trailing and leading edges in the northeastern U.S.  
  **Alexej P. K. Siren**

### Cold hardiness of American elm crosses bred for Dutch elm disease tolerance
**Paul Schaberg**

- A Slow Loss of Northern Forest Icons: Dynamics of Boreal Birds at the Edge of their Range in the Adirondack Park  
  **Michale Glennon**

### Examining the future forest through tree seedling experiments
**Nick Fisichelli**

- The cost of reproduction in a greening world  
  **Michael T. Hallworth**

### Water and Climate
**Room**: Mildred Livak

- A simulation modeling approach to investigate hydrologic regime transformations following Eastern hemlock mortality  
  **Kanishka Singh**

### Year of the Bird 1
**Room**: Jost Foundation

- A New Paradigm for Forest Bird Conservation: A holistic approach to managing for multiple species guilds  
  **Steve Hagenbuch**

### Forest bird conservation at Mass Audubon: the role of sanctuaries and private lands
**Jeff Ritterson**

### Room Assignments for Contributed Talks Session 1

10:50 – 12:10

**Water and Climate**  
**Room**: Mildred Livak

**Year of the Bird 1**  
**Room**: Jost

**Registration**  
**Fireplace Lounge**

**Forest Health**  
**Room**: Frank Livak

**Wildlife and Climate**  
**Room**: Chittenden Bank

**Forests and Climate**  
**Room**: SII VFR Mapif
### Contributed Talks 2

**SPECIAL TRACK:** This track of talks continues throughout the day and connects to a working session in the afternoon.

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>1:20 – 2:40</td>
<td>Contributed Talks 2</td>
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| **Forest Ecology** | Moderator: Kacey Clougher Room: Frank Livak |                                             | Importance of woody debris dynamics in understanding the forest carbon cycle  
Shawn Fraver |
| **Forest Monitoring** | Moderator: Adam Noel Room: Mildred Livak |                                             | What have we learned from Monitoring Maine’s Ecological Reserves?  
Andy Cutko |
| **Planning, Implementation, and Stakeholder Engagement** | Moderator: Alex Neidermeier Room: Chittenden Bank |                                             | Progress Report: Aligning the Northeastern States Research Cooperative and Forest Ecosystem Monitoring Cooperative  
Elissa Schuett |
| **Wildlife Monitoring** | Moderator: Brendan Case Room: Williams Family |                                             | Staying relevant: a cooperatively-designed online database to house natural resource survey data collected by citizen scientists  
Jason Hill |
| **Special Track** | Year of the Bird 2 | Moderator: John Lloyd Room: Jost Foundation | From keystone initiatives to landscape programs: a decade of investing in forest conservation for birds—outputs, outcomes and lessons learned  
Scott Hall |

**Forest Monitoring**
- Trends (?) in Exchangeable Cations after Fifteen Years into a 150-Year Soil Monitoring Study  
  Don Ross
- Forest disturbance: there is more of it than you think  
  Jariath O’Neil-Dunne
- Flower Brook Watershed Phosphorus Mitigation: Landscape Assessment and Project Implementation  
  Hilary Solomon
- Using remote-triggered camera traps to describe patterns of mammal species richness and abundance in relation to anthropogenic and ecological factors  
  Alyssa Valentyn

**Planning Implementation and Stakeholder Engagement**
- Tracking Parcelization Over Time to Inform Planning and Policy  
  Jamey Fidel
- Bringing Vermont Conservation Design to Private Landowners in the VT Coverts Cooperative Network: Strategies, Challenges, and Areas of Opportunity  
  Carolyn D. Loeb
- Monitoring the Effects of Prescribed Burns on Common Nighthawk and Eastern Whip-poor-will Populations in New Hampshire’s Ossipee Pine Barrens  
  Jason Mazurowski
- Using citizen science data in integrated population models to inform conservation  
  Orin Robertson

**Wildlife Monitoring**
- Staying relevant: a cooperatively-designed online database to house natural resource survey data collected by citizen scientists  
  Jason Hill
- Bird Conservation on Commercial Forests in the Northern Forest  
  Henning Stabins
- What remote sensing tells us about the regions changing forests  
  Alison Adams

**Forest Ecology**
- Importance of woody debris dynamics in understanding the forest carbon cycle  
  Shawn Fraver
- What have we learned from Monitoring Maine’s Ecological Reserves?  
  Andy Cutko
- Progress Report: Aligning the Northeastern States Research Cooperative and Forest Ecosystem Monitoring Cooperative  
  Elissa Schuett
- Establishing Baseline Distribution Data on Vermont's Reptiles and Amphibians: The 2018 Maps and Species to Watch  
  Jim Andrews

**Year of the Bird 2**
- From keystone initiatives to landscape programs: a decade of investing in forest conservation for birds—outputs, outcomes and lessons learned  
  Scott Hall
- What remote sensing tells us about the regions changing forests  
  Alison Adams

Room Assignments for Contributed Talks Session 2

- **Forest Monitoring** (Mildred Livak)
- **Year of the Bird 2** (Jost Foundation)
- **Forest Ecology** (Frank Livak)
- **Planning Implementation and Stakeholder Engagement** (Chittenden Bank)
- **Wildlife Monitoring** (Williams Family)
3:00 – 4:30  Working Groups (Rooms listed below)

Proposed and organized by cooperators, these working group sessions provide opportunities to focus on key issues and priorities of members of the Cooperative

Confirmed working sessions include:

By Land, Water, or Air: Invasive Species Management in a Changing Forest Landscape  
Organizer: Joanne Garton, Vermont Forests, Parks, and Recreation  
Location: Chittenden Bank

Managing Climate Change Impacts: What Questions Still Remain?  
Organizer: Maria Janowiak, Northern Institute of Applied Climate Science and Amanda Mahaffey, Forest Guild  
Location: Mildred Livak

Northeastern Forest, Wildlife, and Climate Change: Understanding Impacts and Planning for the Future  
Organizer: Toni Lyn Morelli, USGS – Northeast Climate Adaptation Science Center  
Location: Frank Livak

Special Track Bird Conservation in the Year of the Bird  
Organizer: John Lloyd, Vermont Center for Ecostudies  
Location: Jost Foundation

Data Scavenger Hunt and Lawn Game Social: Explore FEMC Tools, Play Games, Meet People  
Organizer: FEMC Staff  
Location: Sugar Maple

Room Assignments for Working Groups and Poster Session  
3:00 – 5:30