



Robinson Forest Adaptive Silviculture for Climate Change (ASCC) Workshop

November 1-3, 2022
University of Kentucky

Workshop Goals:

This workshop is part of the [Adaptive Silviculture for Climate Change \(ASCC\) project](#), a collaborative effort between managers and scientists working to establish a series of experimental silvicultural trials across a network of diverse forest ecosystem types throughout North America. Specific goals of this workshop are to:

- Engage managers and scientists in the Adaptive Silviculture for Climate Change (ASCC) co-development framework to create a suite of adaptive experimental silvicultural treatments in mixed mesophytic forest sites on the Robinson Forest in Kentucky that will be part of the ASCC Network;
- Develop specific management, research, and monitoring questions that can be addressed through the ASCC project.

Tuesday, November 1, 2022

- 8:00 Welcome & Introductions** - Jacob Muller, John Lhotka, & John Reinstetle (University of Kentucky)
- 8:15 ASCC Overview & Workshop Agenda** - Courtney Peterson & Maria Janowiak (Northern Institute of Applied Climate Science)
- 8:45 Silvics, Forest Ecology, & Disturbance of Mixed Mesophytic Forests** - John Lhotka (University of Kentucky)
- 9:15 Ecosystem Vulnerabilities of Mixed Mesophytic Forests to Climate Change** - Jacob Muller (University of Kentucky)
- 9:45 Break (15 min)**
- 10:00 Climate Change Considerations for Managing Mixed Mesophytic Forests** - Courtney Peterson & Maria Janowiak (Northern Institute of Applied Climate Science)
- *What new or different considerations does climate change bring to making forest management decisions?*
- 10:45 Management and Values of Mixed Mesophytic Forests on the Robinson Forest** - John Reinstetle (University of Kentucky, Robinson Forest)
- 11:15 Hydrology & Climate Change** – Mac Cherry (USDA Forest Service)
- 11:30 Discussion of Climate Change Impacts on Robinson Forest Goals & Objectives** - Courtney Peterson & Maria Janowiak (Northern Institute of Applied Climate Science)
- 12:15 Lunch** (provided by University of Kentucky)
- 1:15 Adaptation Concepts & Developing an ASCC Study Site Presentation** - Courtney Peterson & Maria Janowiak (Northern Institute of Applied Climate Science)
- 2:00 Develop *Resistance* Treatment for Robinson Forest ASCC Site (in breakout groups)**
- 3:00 Report Out on *Resistance* & Group Discussion** (goals: share ideas and build consensus around one set of management objectives, DFCs, and tactics to achieve the treatment goal)
- 3:45 Develop *Resilience* Treatment for Robinson Forest ASCC Site (in breakout groups)**
- 4:30 Flash Report-outs on Resilience** to larger group (continue in field next day) (goals: share ideas and build consensus around one set of management objectives, DFCs, and tactics to achieve the treatment goal)
- 5:00 Wrap-up Day 1**

Wednesday, November 2, 2022

- 8:00 Meet at University of KY and Caravan to Robinson Forest for ASCC Site Field Visit**
Drive Time ~2 hours
- 10:30 ASCC Site Field Visit – Robinson Forest**
- 12:30 Lunch** (Provided sack lunches in the field)
- 1:00 Facilitated Discussion Revisiting Resistance and Resilience** - Courtney Peterson & Maria Janowiak (Northern Institute of Applied Climate Science)
- 1:30 Develop Transition Treatment for Robinson Forest ASCC Site (in breakout groups)**
- 2:15 Report Out on *Transition* & Group Discussion** (goals: share ideas and build consensus around one set of management objectives, DFCs, and tactics to achieve the treatment goal)
- 3:00 Finalize any lingering parking lot items; Drive back to University of Kentucky**
- 5:00 Arrive back at UK; Adjourn for the Day**

Thursday, November 3, 2022

- 8:30 Reflections from Previous Two Days**
- 8:45 Review Draft Silvicultural Treatments for Robinson Forest ASCC Site – Jacob Muller (University of Kentucky)**
- Finalize tactics if not yet completed for any of the treatments; revisit and compare RRT to ensure they are distinctly different and adhere to the ‘spirit’/meaning of each treatment
 - Ensure consensus around selected approaches and tactics for RRT treatments; tweak anything that might be confusing or left in the parking lot from previous sessions
- 10:15 Break (15 min)**
- 10:30 Next Steps, Evaluations, & Close-Out**
- What research or management questions are you excited to ask based on the ASCC treatments?
- 11:30 Adjourn**

**Please note, we are planning on hiking on access roads to view a few of the ASCC treatment units (about 1 mile). If you have concerns about accessing the treatment sites, please contact Jacob.Muller@uky.edu directly.*

**Please also note that we will be riding a bus together to and from Robinson Forest. University of Kentucky guidance lists masks as optional. If you choose to wear a mask, we encourage and support workshop participants who want to do so to wear them as an added layer of protection.*

