

# Adaptive Silviculture for Climate Change (ASCC) Workshop

## Virtual Agenda – Colorado State Forest

<https://zoom.us/j/97284754485?pwd=ek5mUIM2S0dXVERWeG1Od1BFt3JKdz09>

Meeting ID: 972 8475 4485; Passcode: 797263

### Workshop Dates & Times (in Mountain Time):

December 8: 1:00pm – 4:00pm

December 9: 9:00am – 4:00pm

December 10: 8:00am – 12:00pm

### Goals of the Workshop:

- 1) Engage managers and scientists in the Adaptive Silviculture for Climate Change (ASCC) co-development framework to create a suite of adaptive experimental silvicultural treatments for a Colorado State Forest spruce-fir forest as be part of the ASCC Network.
- 2) Begin defining research and monitoring questions as part of the CO spruce-fir ASCC installation.

### Tuesday, December 8, 2020: 1:00pm – 4:00pm

**1:00 – 1:30 Introductions and ASCC Project Overview** (John Twitchell (CSFS), Blair Rynearson (CSFS), Linda Nagel (CSU) Courtney Peterson (CSU))

**1:30 – 2:00 Ecosystem vulnerability of spruce-fir forests to climate change** (Dennis Ojima, Emeritus Professor, Natural Resource Ecology Lab, CSU)

**2:00 – 2:30 Overview of spruce-fir forests (silvics, disturbance dynamics, etc.)** (Mike Battaglia, USFS Rocky Mountain Research Station)

**2:30 – 2:45 Break**

**2:45 – 3:15 Historical reconstruction and carbon potential of spruce-fir forests** (Tony Vorster, Natural Resource Ecology Lab, CSU)

**3:15 – 3:55 Large group discussion:** What new or different considerations do we need to think about when managing forests in the face of a changing climate? (Linda Nagel and Courtney Peterson, CSU )

**3:55 – 4:00 Logistics for tomorrow**

**4:00 Adjourn for the day**

### Wednesday, December 9: 9:00am - 4:00pm MT

**9:00 – 9:15 Quick recap of Day 1; Overview of day 2 agenda** (Courtney Peterson and Linda Nagel, CSU)

**9:15 – 9:45 CO State Forest Overview** (Blair Rynearson and Zach Wehr, CSFS)



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**9:45 – 10:15 Discussion of climate change impacts to the CO State Forest** (Linda Nagel and Courtney Peterson, CSU, and Blair Rynearson, CSFS )

**10:15 – 10:30 Break**

**10:30 – 11:00 Adaptation Concepts and Developing an ASCC Study Site, along with examples** (Linda Nagel, CSU, and Mike Battaglia, USFS-RMRS)

**11:00 – 4:00 Develop ASCC study treatments at the CO State Forest – *Work Time!*** ( facilitated by Linda Nagel and Courtney Peterson, CSU)

***(We will take a 30 minute break for lunch from 12:00 – 12:30pm)***

- Goals of this afternoon work session:
  - Determine DFCs and management objectives for each experimental treatment (resistance, resilience, and transition)
  - Develop adaptation tactics to meet each treatment goal
  - Work in groups, then build consensus across groups for each adaptation treatment

**Approximate Schedule**

- 11:10-12:00 Focus on **Resistance** (breakout groups for 30-60 minutes)
- 12:00-12:30 **Break for lunch (on your own)**
- 12:30-1:10 Report out on **Resistance** discussion (goals: share ideas around one set of management objectives, DFCs, and tactics to achieve the treatment goal, look for similarities across groups)
- 1:10-1:45 Focus on **Resilience** in your groups
- 1:45-2:00 Break
- 2:00-2:30 Report out on **Resilience** (same goals as above)
- 2:30-3:20 Focus on **Transition** in your groups
- 3:20-3:45 Report out on **Transition** (same goals as above)
- 3:45 – 4:00 Finalize any lingering parking lot items; discussions around treatments; overview of what to expect for Day 3

**Thursday, December 10: 8:00am – 12:00pm**

**8:00 – 8:15 Recap of previous two days** (Courtney Peterson and Linda Nagel, CSU)

**8:15 – 9:30 Review and finalize draft adaptation treatments for the Colorado State Forest** (Linda Nagel, CSU)

**9:30 – 9:45 Break**

**9:45 – 10:30 Next Steps, Evaluations, and Close-Out**

- What research or management questions are you excited to ask based on the ASCC treatments?

**10:30 Large Group Adjourn**

**10:30am – 12:00pm (ASCC Site Leads) Identify key implementation and monitoring next steps** (Linda Nagel and Courtney Peterson, CSU)

**12:00pm Adjourn**