

Kaibab Fire & Climate Adaptation Workshop

February 11 – 13, 2020

Elks Lodge, 2101 N San Francisco St, Flagstaff, AZ 86001, Flagstaff, Arizona

Through participation in the workshop, attendees will:

- Review regional and local effects of climate change on fire in forest ecosystems
- Explore resources and tools that can be used to integrate climate change into management
- Understand adaptation concepts and principles in the context of sustainable forest and fire management
- Identify challenges and opportunities for fire managers
- **Develop actionable steps to adapt forests to changing fire regimes**

Agenda

Day 1: Tuesday, February 11, 2020

12:30 **Registration**

1:00 **Welcome & Introductions**

1:30 **Flash Talk Presentations**

1. Southwest FireCLiME project background – Andi Thode & Martha Sample, Northern Arizona University
2. NIACS overview – Courtney Peterson/Leslie Brandt, Northern Institute of Applied Climate Science, USDA Forest Service
3. KPERP Overview & Presentation – Drew Leindecker, Kaibab National Forest & Kaibab NF Team

2:25 **Stretch Break**

2:35 **Climate FAQ Presentation** – Peter Fulé, Professor, School of Forestry, Northern Arizona University

3:35 **Break**

3:50 **NIACS Adaptation Workshop Step 1: Define area of interest, program, goals and objectives, and timeframes**

- **Goals:** What are your desired outcomes? Broad, general statements, usually not quantifiable, that describe the desired outcomes.
- **Desired Future Conditions (DFCs):** A description of the land or resource conditions that are believed necessary to fully meet the *goals* and *objectives*
- **Objectives:** How do you plan to achieve these outcomes? A concise, time-specific statement of measurable planned results that correspond to pre-established *desired future conditions*.

5:00 **Adjourn for the Day**

Day 2: Wednesday, February 12, 2020

8:30 **Overview for the day/what to expect**

8:45 **Recap and highlights from the Pre-Workshop Webinar** – Andi Thode, Northern Arizona University, Southwest FireCLiME

9:15 **NIACS Adaptation Workbook Step 2: Assess Climate Change Impacts on the KPERP**

How might KPERP be uniquely impacted by climate change?

10:30 **Break**

10:45 **NIACS Adaptation Workbook Step 3: Challenges/Opportunities for Meeting Management Objectives**

Identify challenges and opportunities relevant to the KPERP plan objectives.

11:30 **Feasibility**

Evaluate whether it is feasible to achieve current management objectives and where it might be worth re-evaluating objectives based on climate change projections.

12:00 **Lunch (taco & salad bar)**

- 1:00 **Identifying Forest Adaptation Approaches and Tactics** – Courtney Peterson, Research Associate II, Colorado State University, NIACS
- 1:30 **Introduce the Fire Menu of Strategies & Approaches** – Martha Sample, Northern Arizona University/Southwest FireCLiME
- 1:45 **NIACS Adaptation Workbook Step 4: Identifying Forest Adaptation Approaches and Tactics**
Select potential adaptation actions from the menu of Adaptation Strategies and Approaches and evaluate potential adaptation tactics.
- 2:45 **Break**
- 3:00 **Identifying Forest Adaptation Approaches and Tactics & Fire Menu Feedback – Large Group Discussion**
- 4:00 **NIACS Adaptation Workbook Step 5: Identifying Metrics for Monitoring and Evaluating Effectiveness**
Identify metrics to use to evaluate the effectiveness of adaptation actions.
- 4:45 **Next steps for tomorrow – Group Presentations!**
- 5:00 **Adjourn for the Day**

Day 3: Thursday February 13, 2020

- 8:15 **Arrive and Refreshments**
- 8:30 **Reflections from previous day**
- 9:00 **Telling Your Adaptation Story**
Work in your groups to create posters summarizing your climate change impacts to your KPERP implementation unit, the identified adaptation strategies and approaches for action, and a monitoring plan. Be prepared to give a 3-minute presentation and answer questions.
- 10:00 **Group Presentations on Climate Change Impacts and Adaptation Strategies**
Short, 3-min presentations from each group followed by questions.
- 10:45 **Moving Forward: How do we start?**
Group discussion on how to start moving adaptation ideas forward and feedback on Fire Adaptation Menu.
- 11:30 **Next Steps/Putting it All Together**
Discuss opportunities for coordination, learning, or shared resources.
- 12:00 **Evaluations & Wrap-up**
- 12:30 **Adjourn**

Thank you for your participation!

This active, hands-on training is being organized by Southwest FireCLiME (NAU) and the Northern Institute of Applied Climate Science (NIACS) in partnership with the Kaibab National Forest.

