



**Forest-Climate Change Professional Development Workshop for  
Teachers  
June 23-25, 2019**

We are pleased you are joining us this year at the McCall Outdoor Science School for the professional development workshop for science teachers on forest-climate change interactions. The focus of this workshop is to help you build a deeper understanding of forest responses to climate change. The course directly relates to issues prevalent in the Northwest forests: climate change, carbon storage, drought, fire, and other disturbances.

The workshop is structured into three main components of lecture, activity, and field labs. We will touch upon many subjects and then provide you with additional resources to dig deeper and expand your knowledge on topics of interest to you. We have found in the past that some of the most fruitful learning has come during open discussions and non-structured times. So, please feel free to approach any of us and ask questions at any time.

Finally, this binder is to serve as a guide for the workshop and to help you organize your experience for future reference. All digital materials (presentations, worksheets, etc...) not included in this binder are available at a shared Dropbox folder <https://tinyurl.com/y5pvox6e>.

Thank you

## Forest-Climate Professional Development Workshop Schedule-Teachers

### Saturday, June 22

**5 PM** Please arrive by 5 pm

- Check in
- Move into your cabin
- Tour the facilities
- Check out the beach!

**6 PM** Dinner (Off campus at a restaurant to be determined)

### Sunday, June 23

**8:00 AM** Breakfast (on campus)

**9 AM** Greetings! Official Start of the Workshop

- Introductions to Everyone and Team Building
- Sign up for PD Credits
- Formal Introductions to Lab Members
- Binders
- Citizen Science Project Intro

**10 AM** Earth's Energy Budget, Greenhouse Gases, and Climate Change

BREAK (10 Min)

**11:10 AM** Forest Ecosystems, Feedbacks, Carbon Pools, and Climate

**12:10 PM** Introduction to the group projects

**12:30 PM** Field Lunch

**1:30 PM** Hike to the Woods

**2:00 PM** Field Talk on Forest Soil Carbon

**2:30 PM** Carbon Budgets Lab: What is the stock?

**4 PM** Wrap Up

**6 PM** Dinner (on campus)

**Monday, June 24**

**8:00 AM** Breakfast (on campus)

**9 AM** Morning Spin Up and Team Building

**9:30 AM** Succession Talk

**10 AM** Forest Disturbance Talk

Break (10 Min)

**10:40 AM** Intermediate Disturbance Hypothesis Talk

**10:50 AM** SimUtext Intermediate Disturbance Hypothesis simulation

**12 PM** Time Lapse of disturbance/land conversion

**12:30 PM** Field Lunch

**1:30 PM** Disturbance Lab

(BREAK)

**3:15 PM** Tree Core Lab

**4 PM** Wrap Up

**6 PM** Dinner (on campus)

**Tuesday, June 25**

**8:00 AM** Breakfast (on campus)

**9 AM** Morning spin up and Team Building

**9:30 AM** Time to work on presentations

**10:30 AM** Morning of Misinformation/Uncertainty

**11:30** Citizen Science Project- Introduction

**12 PM** Field Lunch

**1 PM** Citizen Science Project-Implementation

**3 PM** Final Presentations

**4 PMish** Wrap Up and Farewell

**6 PM** Dinner (Off campus)

**Wednesday, June 26**

**10 AM** Check-out time