

## 2013 AGENDA, July 28-August 2: McCall, Idaho

Welcome to the 3<sup>rd</sup> annual Northwest Climate Science Climate Boot Camp.

### Climate Boot Camp **Mission:**

To prepare graduate students and early career professionals for successful careers by providing knowledge and abilities in science education, science communications, knowledge integration and the science-policy interface, all in a climate change and adaptation context, through concentrated sessions of formal and non-formal education, skill development, and interaction with practicing professionals.

### Climate Boot Camp **Essential Questions:**

Essential Questions are similar to learning objectives and guide instruction during the Climate Boot Camp.

1. Climate 101: What are the major climate drivers and the impacts of climate on wildfire, invasive species, fish and wildlife habitat, and snow pack and water availability in the Inland Northwest region?
2. Integration of Knowledge: How do we understand (1) the different ways of knowing in relation to climate change and (2) the conceptual, empirical, and ethical issues involved when experts from different knowledge traditions attempt to integrate them in research and education processes?
3. Collaborative Science/Field Studies: How do we get better at doing climate-related science collaboratively between researchers, natural and cultural resource managers, users and NGOs?
4. Climate Science Communication: How do we communicate effectively with a diversity of audiences to work through complex climate related problems?
5. Networking and Collaborating: How do we build and sustain networks of colleagues that support each other's professional development, foster collaboration on shared goals and advance the understanding and application of climate-related knowledge?

## Climate Boot Camp 2013 Agenda

### Sunday July 28<sup>th</sup>, 2013

5:00pm – 6:30pm	Welcome/Overview	Registration, MOSS Classroom
6:30pm – 7:00pm		Dinner, MOSS Dining Hall
7:30pm – 9:15pm		<p style="text-align: center;"> <b>Opening Session, MOSS Lake Yurt</b>  <b>Welcome, Steven Daley-Laursen, University of Idaho</b>  <b>Overview of Climate Science Centers, Nancy Lee, USGS</b>  <b>Climate Boot Camp Rationale, Steve Daley-Laursen, University of Idaho</b>  <b>NWCSC and RISA CIRC, Josh Foster, Oregon State University</b>  <b>Climate Boot Camp Curriculum Goals and Outcomes, Erin Corwine, University of Idaho</b>  <b>Introductions, CBC Staff, Fellows and Educators</b> </p>

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### Monday July 29<sup>th</sup>, 2013

Essential Question: What are the major climate drivers and the impacts of climate on wildfire, invasive species, fish and wildlife habitat, and snow pack and water availability in the Inland Northwest region?

7:00am – 7:30am	Climate 101	<b>Breakfast</b> , MOSS Dining Hall
7:45am - 8:00am		<b>Morning Announcements</b> , MOSS Classroom
8:00am - 8:30am		<b>Early Career Climate Forum Presentation</b> , MOSS Classroom Steven Daley Laursen, University of Idaho Lindsey Thurman, CBC Returning Fellow, Oregon State University Kristin Timm, CBC Fellow, University of Alaska, Fairbanks
8:30am – 10:00am		<b>Climate Science Overview: Pacific and Interior Northwest Climate and Drivers</b> , MOSS Classroom John Abatzoglou, University of Idaho
10:00am-10:30am		<b>Break and Snacks</b> , MOSS Dining Hall
10:30am-12:00pm		<b>Future Climate: Climate Scenarios, Models, and Downscaling</b> , MOSS Classroom Phil Mote, Oregon State University
12:00pm-12:30pm		<b>Lunch</b> , MOSS Dining Hall
1:00pm - 2:00pm		<b>PNW Climate Impacts: Northwest Assessment Report</b> , MOSS Classroom Phil Mote, Oregon State University
2:00pm - 3:00pm		<b>Climate and Ecosystems</b> , MOSS Classroom Jeff Hicke, University of Idaho
3:00pm - 3:30pm		<b>Break and Snacks</b> , MOSS Dining Hall
3:30pm - 5:30pm		<b>Climate Science 101 Synthesis</b> , MOSS Classroom Karla Bradley Eitel, University of Idaho, MOSS
5:30pm - 6:30pm		<b>Free Time</b>
6:30pm - 7:00pm		<b>Dinner</b> , MOSS Dining Hall
7:30pm - 9:00pm		<b>Evening Social</b> , Ponderosa State Park Lake Pavilion Collette Gantenbein, CBC Returning Fellow, University of Idaho Erin Corwine, University of Idaho <b>Snacks</b> provided

## 2013 AGENDA, July 28-August 2: McCall, Idaho

### Tuesday July 30<sup>th</sup>, 2013

Essential Question: How do we understand (1) the different ways of knowing in relation to climate change and (2) the conceptual, empirical, and ethical issues involved when experts from different knowledge traditions attempt to integrate them in research and education processes?

7:00 am – 7:30 am	Integration of knowledge	<b>Breakfast</b> , MOSS Dining Hall
7:45 am - 7:50 am		<b>Morning Announcements</b> , MOSS Classroom
7:50 am – 8:15 am		<b>Integration Day Opening Activity</b> , MOSS Classroom Integration Day Educators
8:15 am - 9:15 am		<b>Overview of Traditional Ecological Knowledge</b> , MOSS Classroom Kyle Whyte, Michigan State University
9:15 am - 10:15 am		<b>An Integrated Social-ecological Systems Approach for Understanding Climate Vulnerability and Adaptation</b> , MOSS Classroom Shannon McNeeley, Colorado State University, NCCSC
10:15 am - 10:30 am		<b>Break and Snacks</b> , MOSS Dining Hall
10:30 am - 11:30 am		<b>Putting Knowledge to Work: Swinomish Climate Adaptation Case Study</b> , Classroom Ed Knight, Swinomish Indian Tribal Community
11:30 am - 12:00 pm		<b>Toolbox Exercise</b> , MOSS Classroom/Lake Yurt Michael O'Rourke, Michigan State University Liela Rotschy, Ohio State University
12:00 pm - 12:30 pm		<b>Lunch</b> , MOSS dining hall
1:00 pm - 3:30 pm		<b>Toolbox Exercise Cont'd</b> , MOSS Classroom/Lake Yurt
3:30 pm - 3:40 pm		<b>Break and Snacks</b> , MOSS Dining Hall
3:40 pm - 4:15 pm		<b>Integration Day Debrief/Reflection</b> , Lake Yurt Integration Day Educators
4:15 pm - 6:00 pm		<b>Free Time</b>
6:00 pm - 6:30 pm		<b>Dinner</b> MOSS Dining Hall
7:00 pm - 9:00 pm		<b>Natural Resource Management Panel</b> Moderator: Steven Daley Laursen, University of Idaho Mary Farout, US Forest Service Sean Finn, Great Northern Landscape Conservation Cooperative Dominika Lepak, Bureau of Land Management Charlie Luce, US Forest Service John Stevenson, Oregon State University Ronda Strauch, University of Washington Leona Svancara, Idaho Fish and Game Steven Zylstra, US Fish and Wildlife
9:00 pm		<b>Evening Social: Informal Discussion</b> , Ponderosa State Park Lake Pavilion CBC Fellows and Natural Resource Managers, <b>Snacks</b> provided

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### Wednesday July 31<sup>st</sup>, 2013

Essential Question: How do we get better at doing climate-related science collaboratively between researchers, natural and cultural resource managers, users and NGOs?

7:00 a m – 7:30 a m	Collaborative Science/Field Studies	<b>Breakfast</b> , MOSS Dining Hall Assemble Bag Lunches
7:45 a m - 7:55 a m		<b>Morning Announcements</b>
7:55 a m - 8:15 a m		<b>Field Tour Introduction and Pack Up</b> Josh Foster, Oregon State University Charlie Luce, US Forest Service
8:15 a m - 12:00 p m		<b>Payette National Forest Field Tour</b> Moderator: Charlie Luce, USFS, Rocky Mountain Research Station Mary Farout, USFS, Payette National Forest Kim Johnson, USFS, Payette National Forest Susan Miller, USFS, Payette National Forest Whitey Rehberg, USFS, Payette National Forest Russ Thurow, USFS, Rocky Mountain Research Station <b>STOP 1:</b> Lick Creek Summit <b>STOP 2:</b> Mouth of the Secesh River
12:00 p m - 12:30 p m		<b>Lunch, Krassel Ranger Station</b>
12:00 p m - 6:00 p m		<b>Payette National Forest Field Tour Cont'd</b> <b>STOP 3:</b> Krassel Hole <b>STOP 4:</b> Poverty Flats Campground <b>STOP 5:</b> South Fork Salmon Debris Flows
6:30 p m - 9:00 p m		<b>Dinner</b> on your own in McCall Shuttles leaving from MOSS at 6:30 and 7:00pm Shuttles picking up from McCall at 8:30 and 9pm McCall Downtown is 1.5 miles/30 minute walk from MOSS campus

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### Thursday August 1<sup>st</sup>, 2013

Essential Question: How do we communicate effectively with a diversity of audiences to work through complex climate related problems?

7:00 a m - 7:30 a m	Climate Science Communication	<b>Breakfast</b> , MOSS Dining Hall
8:00 a m - 8:15 a m		<b>Morning announcements</b> , MOSS Classroom
8:15 a m - 10:00 a m		<b>Climate Science Communication: Best practices for identifying audiences and framing the climate conversation</b> , MOSS Classroom Cara Pike, Climate Access Group
10:00 a m - 10:15 a m		<b>Break and snacks</b>
10:15 a m - 11:15 a m		<b>Climate Change Deliberation with Forest Managers of the U.S. Northern Rockies: Our Experience with the New Paradigm of Interdisciplinary Graduate Education</b> , MOSS Classroom Kerry Kemp, University of Idaho, IGERT Jarod Blades, University of Idaho, IGERT Zion Klos, University of Idaho, IGERT
11:15 a m - 12:30 p m		<b>Communicating Climate Science with K-12 Schools</b> , MOSS Classroom Brant Miller, University of Idaho Karla Bradley Eitel, MOSS, University of Idaho
12:30 p m - 1:00 p m		<b>Lunch</b> , MOSS Dining Hall
1:30 p m - 3:40 p m		<b>Developing An Effective Climate Presentation</b> , MOSS Classroom Cara Pike, Climate Access Group
3:40 p m - 4:00 p m		<b>Break and Snacks</b>
4:00 p m - 6:00 p m		<b>Developing An Effective Climate Presentation Cont'd.</b> , MOSS Classroom Jeff Bell, Gallatin Consulting
6:00 p m - 6:30 p m		<b>Free Time</b>
6:30 p m - 7:00 p m		<b>Dinner</b> , MOSS Dining Hall
7:00 p m		<b>Open Networking Opportunity</b> , MOSS Campus/Ponderosa State Park

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### Friday August 2<sup>nd</sup>, 2013

Essential Question: How do we build and sustain networks of colleagues that support each other's professional development, foster collaboration on shared goals and advance the understanding and application of climate-related knowledge?

7:00am – 7:30am	Networking and Collaborating	<b>Breakfast</b> , MOSS Dining Hall Assemble bag lunches Check out of MOSS facilities
8:15am - 8:30am		<b>Morning Announcements</b> , MOSS Classroom
8:30am - 10:00am		<b>Debrief of the week</b> , MOSS Classroom Erin Corwine, University of Idaho Josh Foster, NWCSC Program Manager Steve Daley Laursen, University of Idaho
10:00am - 10:30am		<b>Closing remarks</b> , MOSS Classroom Steven Daley Laursen, University of Idaho
11:00am		Shuttle for Boise, ID Departs

Thank you for being part of the 3<sup>rd</sup> annual Northwest Climate Science Center Climate Boot Camp! We wish you continued collaboration, on-going communication with your cohort of CBC fellows and educators, and safe travels home.

