



University of Washington Program on Climate Change

Summer Institute, 2015 at Friday Harbor Marine Lab

Schedule

Revised 9/16/2015

Sunday, September 20th

Afternoon Session: 4:45-6:30, How are land, atmosphere, climate, and biological systems coupled? (FHL Commons)

4:45-5:00, Logistics, Welcome, and Introductions

5:00-5:45, Gordon Bonan, NCAR, **"Forests, climate, and public policy: a 500-year interdisciplinary odyssey"**

5:45-6:00, Questions

6:00-6:30, Dinner served (FHL Dining Hall)

Evening Session: 7:00-9:00, How are land, atmosphere, climate, and biological systems coupled? How do we measure and model these systems, and what tools can we use to predict the future? (FHL Commons)

7:00-7:45, Scott Saleska, University of Arizona, **"Scaling vegetation dynamics from organisms to ecosystems: what drives the seasonality of tropical forest photosynthesis?"**

7:45-7:50, Questions

7:50-8:00, Break

8:00-8:30, Discussion Panel: Gordon Bonan, Scott Saleska, Rebecca Neumann, Tracy Twine

8:30-9:00, Quick talks

Monday, September 21st

7:45-8:15, Breakfast served (FHL Dining Hall)

Morning Session 8:30-12, Finishing up of questions from Sunday. How do we meet the growing food demands of the next century given predictions of future agricultural productivity? How might our decisions about agricultural or other land use feedback onto climate? (FHL Commons)

8:30-9:15, Tracy Twine, University of Minnesota, "**Land use change and climate regulation services: Exploring biophysical and biogeochemical tradeoffs in North American biomes**"

9:15-9:25, Questions

9:25-10:10, Rebecca Neumann, UW, "**Global Warming and Food Quality: Impact of elevated soil temperature on arsenic biogeochemistry and arsenic uptake by rice**"

10:10-10:20, Questions

10:20-10:40, *Break and Photo*

10:40-11:25, Nathan Mueller, Harvard University, "**Coupling between extreme temperatures and crop productivity**"

11:25-11:35, Questions

11:35-noon, Quick talks

12:15-12:45, Lunch Served (FHL Dining Hall)

1:00-1:20, Row Boat Training –meet in Dining Hall (required prior to use)

Afternoon Free

4:00-6:00, **Poster Session and Reception** (FHL Dining Hall)

6-6:30 Dinner served (FHL Dining Hall)

Monday, September 21st (cont.)

Evening Session: 7:00-9:00, How do we meet the growing food demands of the next century given predictions of future agricultural productivity? How might our decisions about agricultural or other land use feedback onto climate? (FHL Commons)

7:00-7:45, David Battisti, UW, "**Global Food production and climate**"

7:45-7:55, Questions

7:55-8:05, Break

8:05-9:00, Panel Discussion: Nathan Mueller, Tracy Twine, David Battisti

Tuesday, September 22nd

7:45-8:15, Breakfast served (FHL Dining Hall)

Morning Session 8:30-12, What are the implications of climate change for species across the globe? How can we use knowledge about biological response to past and present change to inform predictions for the future? (FHL Dining Hall)

8:30-9:15, Jacquelyn Gill, University of Maine, "**Building a novel community in two easy steps: impacts of megafaunal extinction and abrupt climate change on late-glacial forests**"

9:15-9:25, Questions

9:25-10:10, Janneke Hille Ris Lambers, UW, "**Impacts of Climate Change on Forest Communities of the Pacific Northwest**"

10:10-10:20, Questions

10:20-10:40, Break

10:40-11:25, Lauren Buckley, UW, "**Examining insect traits and their shifts to forecast responses to climate change**"

11:25-11:35, Questions

11:35-noon, Panel Discussion: Jacquelyn Gill, Janneke Hille Ris Lambers, Lauren Buckley, Curtis Deutsch

12:15, Collect Lunch and depart for ferry