



PROGRAM ON CLIMATE CHANGE
UNIVERSITY OF WASHINGTON

8th University of Washington Program on Climate Change Summer Institute
“Climate Impacts on the Pacific Northwest:
Present, Past, and Future”
Sept. 14-17, 2009
Friday Harbor Laboratories, San Juan Island, WA

FINAL AGENDA

Monday, September 14

12:30- 2:45 PM **Check-in**, packet, map and key pick-up; room assignments (DINING HALL)

3:00 PM **Welcome** (THE COMMONS) Ken Sebens (FHL) and Christopher Bretherton (UW)

A Brief History of Friday Harbor Labs, Claudia Mills (FHL)

5-6 PM **Reception and Poster Session** (DINING HALL)

6:00- 6:30 PM Dinner served (DINING HALL)

7:30 PM **Evening Public Lecture**- San Juan Community Theater, Friday Harbor

Nate Mantua (UW) *Past and Future Climate Change Impacts on Northwest Marine Ecosystems*

Tuesday, September 15

7:45- 8:15 AM Breakfast served (DINING HALL)

Morning Session:

The Present: Patterns of Variability and Change in the Historical Record, Session Chair Todd Mitchell (UW) (THE COMMONS)

8:45 AM Mark Stoelinga (UW): *Regional complexity in the climate and weather of the PNW*

9:15 AM Mike Wallace (UW): *Large scale teleconnections to PNW climate*

9:45 AM Phil Mote (OSU OCCRI): *Trends in NW climate in the historical record and their significance*

10:15 AM Panel Discussion: *Regional climate variability and trends* (PHIL MOTE, MIKE WALLACE, MARK STOELINGA)

10:45 AM BREAK

11:15 AM Ruby Leung (PNNL Battelle): *Regional climate modeling for the PNW*

11:45 AM Cathy Hohenegger (ETH/UW): *Climate over the Alps*

12:30-1:00 PM Lunch served.

Afternoon free

6:00-6:30 PM Dinner served.

Evening Session:

Downscaling Methods and Uncertainty, Session Chair Tom Ackerman (UW)

7:00 PM Eric Salathé (UW): *Statistical vs. dynamical downscaling*

7:30 PM Phil Mote (OSU OCCRI): *Greenhouse Gas emissions scenarios in the IPCC's 5th assessment report*

8:00 PM Panel Discussion (ERIC SALATHÉ, PHIL MOTE, CHRIS BRETHERTON),
Moderator: Tom Ackerman

Wednesday, September 16

7:45-8:15 Breakfast served.

Morning Session:

The Past: Paleoclimate and environmental perspectives of the Holocene, Session Chair Eric Steig (UW)/ Gerard Roe (UW)

8:30 AM Michael O'Neal (U. Delaware): *The PNW's glaciers and climate in the past few thousand years*

9:00 AM Brian Menounos (U. Northern BC): *Glacier Fluctuations in the Pacific Northwest and Western Canada*

9:30 AM Frank Lake (USFS SW Station): *Archaeological evidence for climate change impacts on people and natural resources of the PNW*

10:00 AM Panel Discussion: *Paleo variability and impacts* (MICHAEL O'NEAL, BRIAN MENOUNOS, ERIC STEIG)

10:30 AM BREAK

Climate Change Impacts on the Western US, Session Chair Amy Snover(UW)

11:00 AM Jessica Lundquist (UW): *Climate change impacts on hydrology in the western US.*

11:30 AM Markus Schnorbus (U. Victoria/Pacific Climate Impacts Consortium): *Applications of the VIC Hydrologic Model -- Hydrologic Impacts in Pacific North America*

12:00 PM Wing Cheng and Ron Tressler (Seattle City Light): *Projecting CC impacts on energy supplies and demands in the PNW*

12:30-1:00 PM Lunch Served

Afternoon free

6:00-6:30 PM Dinner served.

Evening Session:

Climate change impacts on the PNW region (cont.), Session Chair LuAnne Thompson (UW)

7:00 PM Jan Newton (UW): *Climate impacts on Puget Sound circulation and ecology*

7:30 PM Terrie Klinger (UW): *Ocean acidification impacts on coastal marine systems*

8:00 PM Panel discussion: *Ecosystem threshold responses* (JAN NEWTON, TERRIE KLINGER, CLAUDIA MILLS)

Thursday, September 17, 2008

7:45-8:15 AM Breakfast served

Morning Session:

Planning for climate change, Session Chair Lara Whitley Binder (UW)

9:00 AM Spencer Reeder (WA Dept. of Ecology): *Incorporating science into climate change planning for state level policy decisions*

9:30 AM Amy Snover

10:00 AM Panel Discussion: *The role of climate science in adaptation planning* (AMY SNOVER, SPENCER REEDER, NATE MANTUA)

10:45 Break

11:10 SI wrap up, led by grad students.

11:45 AM Pick-Up Bag Lunches (DINING HALL) and catch the 1:00 PM Ferry