



University of Washington Program on Climate Change
Summer Institute, 11-13 September 2019 at Friday Harbor Marine Lab

Climate Change Impacts on 21st Century Food and Water Security

Schedule
Revised 8/24/2019

Wednesday, September 11th

- 11:55am Leave Anacortes on ferry arrive Friday Harbor at 1pm (check with your carpool for Seattle departure times and meeting locations)
- 1:00-3:45pm **Check-In and put up posters (FHL Dining Hall)**
- 2:15pm Rowboat training (required prior to using, meet at dock)
- 4:00-6:00pm **WELCOME RECEPTION AND POSTER SESSION**
FHL Dining Hall, any climate topic is welcome
- 6:00-6:30pm Dinner served (FHL Dining Hall)
- 7:00-9:00pm Evening session (FHL Commons)

OUR CARBON FOOTPRINT AND THE POLICY AND ECONOMICS OF CLIMATE CHANGE IMPACTS ON AGRICULTURE

- o Logistics, Welcome, and Introductions: Bitz and Battisti
- o David Battisti (UW, Atmospheric Sciences) How important is this problem?
- o Nathan Muller (UC Irvine) Adapting agriculture to a changing climate
- o Gidon Eschel (Bard College) Some geophysical considerations that should, and should NOT, shape our diets
- o Discussion with speakers

Thursday, September 12th

- 7:45- 8:15am Breakfast served (FHL Dining Hall)
- 8:30-10:20am Morning session I (FHL Commons)

CLIMATE CHANGE IMPACTS ON GLACIERS, WATER AND MARINE RESOURCES

- o Summer Rupper (University of Utah) Climate and glacier changes in the world's water towers
- o Bart Nijssen (UW Civil Engineering) Climate, Hydrology, and Water Resources
- o Jan Newton (UW Applied Physics Lab) Ocean Acidification: understanding this global condition and its local effects
- o Discussion with speakers

10:20-10:40am Break and Group Photo (Deck outside FHL Commons)

10:40 – noon Morning Session II (FHL Commons)

HOW FOOD CROPS COPE WITH CLIMATE CHANGE

- Abby Swann (UW Atmospheric Sciences) The impact of future climate on agricultural yields
- Soo-Hyung Kim (UW Environmental and Forest Sciences) Crop simulation models for assessing climate impacts and adaptation strategies in agriculture
- Discussion with speakers

12:15-12:45pm Lunch served (FHL Dining Hall)

1:00-1:20pm Rowboat Training (required prior to use, meet at dock)

Afternoon Free

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

7:00-9:00pm Evening session (FHL Commons)

CLIMATE IMPACTS ON FOOD PRODUCTION

- Michelle Tigchelaar (Stanford University) Beyond grains: Considering climate change impacts across food system components
- Deepti Singh (Washington State University Vancouver) Interactions between Climate Variability and Agricultural Activities in South Asia
- Discussion with speakers
- Quick talks (X min, 1 slide)

Friday, September 13th

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

CHECK OUT (by 8:30am return keys to a basket in the dining hall or to Miriam in the Commons just before the session starts, if in dorms, check name off list in dining hall, see Miriam) you can leave your bags in the Dining Hall or just outside the Commons and pick them up before departure).

8:30 -10:30am Morning session I (FHL Commons)

CLIMATE CHANGE IMPACTS ON MARINE FOOD AND PLANNING FOR CHANGE

- Gordon Holtgrieve (UW Aquatic and Fishery Sciences) Floods, Fish, and People: Food-Energy-Water Challenges & Opportunities in the Mekong River Basin
- Stanley Wood (Bill and Melinda Gates Foundation) Smallholder Vulnerability and Adaptation to Climate Variability: Quantifying Threats and Evaluating Intervention Options
- Brian Smoliak (Two Degrees Adapt, LLC) Adapting Food Systems to 21st Century Climate: from Systematic to Transformational Change
- Discussion with speakers

10:30-10:50am Break

10:50-noon Morning Session II (FHL Commons)

- Alex Stote (UW Marine and Environmental Affairs) Carbon neutral PCC
- More quick talks (X min, 1 slide)
- PCC in 2019/2020

12:15pm Quick lunch, collect luggage and reconvene carpools (FHL Dining Hall)

1:50pm Ferry departs Friday Harbor for Anacortes

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