



Program on Climate Change UNIVERSITY OF WASHINGTON

2016 “Current Climate for Science Teachers” A Workshop at the University of Washington-Seattle

Saturday, October 22, 2016

8:30am-4:30pm

Ocean Sciences Building Room 425

Facilitator: Miriam Bertram

Participants can expect to leave with:

1. Increase in content knowledge about climate science and climate change impacts.
2. Materials to use in presenting this content in their classroom, including powerpoint slides, videos, games, labs and demonstrations.
3. Concrete ideas about how to bridge the new climate content with what is currently taught.
4. Connections to a community interested in supporting climate education.

Schedule

Morning Session

8:45 Introductions

9:00 Global Climate, the IPCC reports, Dargan Frierson, UW Atmospheric Sciences.
Information on UW in the High School
Teaching Resource-IPCC Culminating Project

9:45 Oceans and Climate with a regional emphasis. Video and hands on activity, Amy Brodbeck, SMEA graduate student and summer intern at the Prince William Sound Science Center.

10:30 New Module/Lab Framework: Climate and Oxygen in marine and fresh water, Hands on with an Oxygen Sensor. Demo. Steve Emerson, Oceanography.

11:15 Cultural, Local, Place Based Considerations. Including Megan Bang and Megan McGinty from College of Education.

Noon-12:30 Lunch

Afternoon Session

12:45 Earth games w/ Dargan Frierson, Atmospheric Sciences

1:30 Regional Impacts, using the National Assessment in the Classroom, LuAnne Thompson, UW Oceanography and UW Program on Climate Change

- 1:45 Climate Change at the Poles, Cecilia Bitz, UW Atmospheric Sciences)
- 2:30 Ocean Acidification Demo
- 3:15 Explore one or more of the other resources that can be accessed from the UW Program on Climate Change website, several experts will be available to discuss. Preview here:
<http://www.uwpcc.washington.edu/documents/PCC/summaryofuwpcclabs.pdf>
- 4:00 Evaluations, clock hours, closing