

Climate Impacts Group University of Washington

Sascha Petersen

April 11, 2007

NOAA Climate Science
& Service Workshop

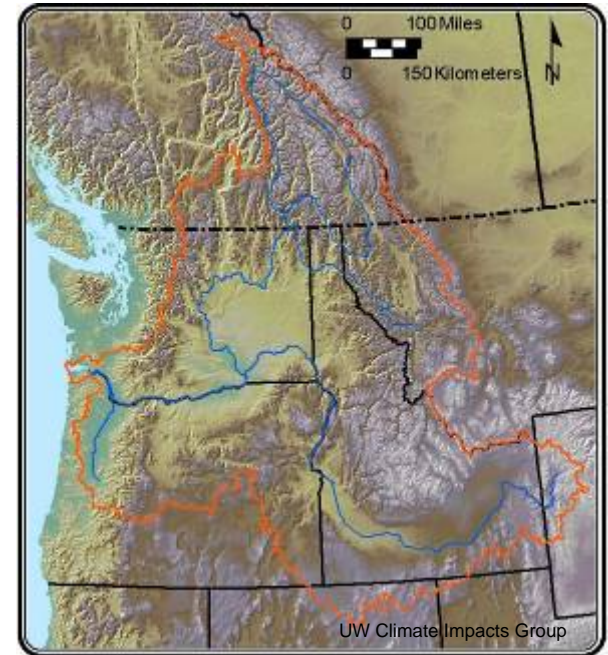


The Climate Impacts Group

1st of 8 U.S. Regional Integrated Sciences and Assessment (RISA) teams

Areas of study:

- Water resources
- Salmon
- Forests
- Coasts
- *[Agriculture, Human Health]*



Objectives

- Increase regional resilience to climate variability and change
- Produce science useful to (*and used by!*) the decision making community



Building and Interdisciplinary Research Team

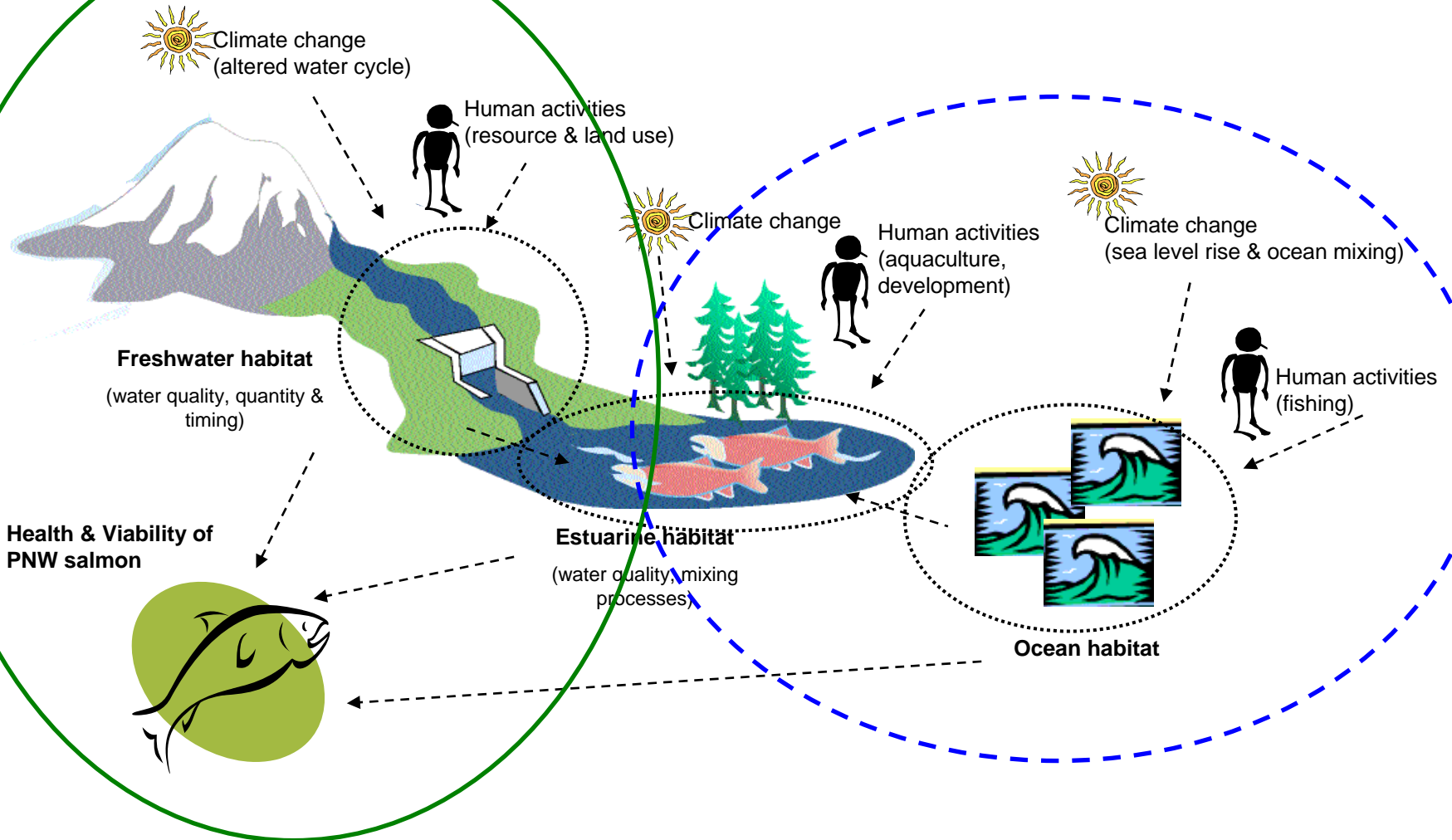
University of Washington components:

- Dept of Atmospheric Sciences
- School of Marine Affairs
- Dept of Civil Engineering (*hydrology*)
- School of Fisheries
- College of Forest Resources
- School of Public Health and Community Medicine

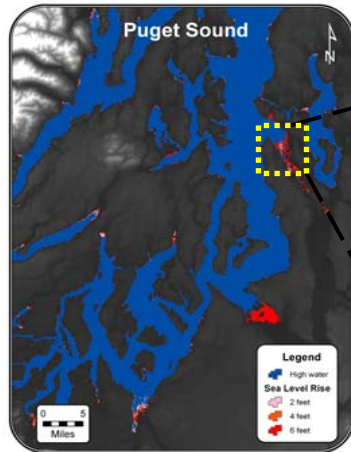
External collaborators:

- Washington Department of Ecology (*coastal zone*)
- Pacific Northwest National Laboratory (*hydrology*)
- University of Idaho (*water markets, energy deregulation, institutional analysis*)
- Oregon State University (*forestry, fisheries, coastal zone*)

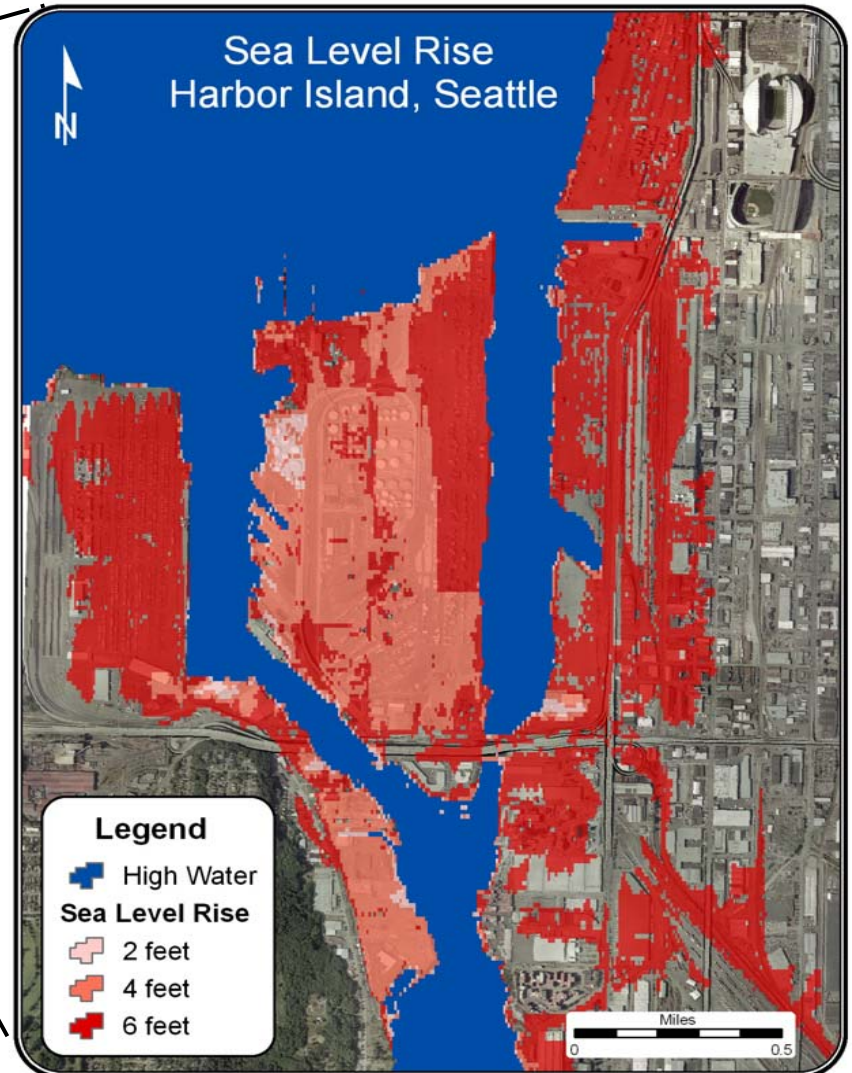
Integrated Watershed Analysis



Sea Level Rise Scenario Planning



- Work in Progress
- Developing Framework
- Scenario Based
- Resilience Perspective



Guide Book for Climate Change Planning



- Provides detailed description of why and how to prepare for global warming at the local/regional scale
- Collaboration between UW Climate Impacts Group and King County, Washington
- To be published by ICLEI – Local Governments for Sustainability
- Anticipated completion date: Late 2007

Content includes

Common barriers to planning for climate change – and their antidotes	Strategies for reviewing current policies and procedures for implementing adaptive responses
Strategies for developing interest and support for planning	Tips for managing the risk & uncertainty associated with global warming
Guidelines for identifying, reviewing and applying scientific information on climate impacts in your region	Sector-specific adaptation strategies and planning resources



Future Coastal Outreach

- Workshops with decision-makers to identify tools
- Future collaboration with Sea Grant
- Lessons and ideas from this workshop

Thank You