HIGHLIGHTS FROM THE 2017-2018 WORK PLAN

SC² HAS TARGETED THE FOLLOWING ACTIONS FOR ITS 2017-2018 WORK PLAN, DEPENDING ON FUNDING AVAILABILITY



MISSION STATEMENT #1

Foster Collaborative Research:

- Update Skagit climate modeling to the state-of-the-art CMIP-5 model
- Increase our scientific understanding of the 2015 drought
- Determine how much sediment will flow into the Skagit delta, allowing us to develop restoration projects that will last instead of being filled with dirt
- Publish a fish vulnerability assessment
- Gather information on observed climate trends
- Advance hydrologic modeling work to include sediment and temperature in Sauk River
- Synthesize data on Skagit delta dynamics
- Identify a central value for relative sea level rise specific to Skagit County that can be used across SC² products
- Meet three times, including a two-day retreat, to collaborate on scientific initiatives
- Improve scientific understanding of sea level rise in Swinomish Channel

MISSION STATEMENT #2

Produce Relevant Climate-Related Products:

- Develop easily understood key messages about climate change to share with the public
- Develop handouts about SC² actions and climate impacts that translate the science to the general public, including handouts on the fate of the Skagit delta, the role of dams in flood control, hydrology, and low flows
- Develop materials on climate change impacts on Skagit forests
- Conduct a literature review on paleoclimate reconstructions and produce graphics characterizing natural climate variability at multiple timescales
- Develop infographics on Skagit delta dynamics and feedback loops
- Develop a web-based visualization tool for hydrologic modeling outputs and observed climate trends
- Develop and/or update website pages on forests and forest fires, salmon impacts, hydrologic extreme findings, and the 2015 drought

MISSION STATEMENT #3

Serve as a conduit between Skagit communities and SC² scientists:

- Support the development of the Skagit regional Steelhead Plan
- Provide support to the Skagit Watershed Council Protection Strategy update
- Participate in annual Skagit River Salmon Festival
- Host the 3-month Surge Exhibit with the Museum of Northwest Art
- Participate in the Seattle City Light Adaptive Management Plan process
- Organize and participate in the Transition Fidalgo Climate Speaker's Series and events
- Conduct a design charrette for the Town of La Conner
- Respond to community requests