

Pacific Northwest CESU

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University of Washington

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[Photo C. Lauver]



University of Washington

depts.washington.edu/pnwcesu



Pacific Northwest CESU Updates

- Welcomed new co-leader Dan Brown (2018)
- Passed the \$100 million funding mark
- FY2017: the second greatest funded year at \$11.8 million
- Holding annual partners meeting this summer
- Added four new partners including first non-profits / NGOs:
 - Seattle University
 - Western Association of Fish and Wildlife Agencies
 - Center for Natural Lands Management
 - Institute for Applied Ecology

PNW CESU Web site

Searchable project library

Pacific Northwest Cooperative Ecosystems Studies Unit

Pacific Northwest Cooperative Ecosystem Studies Unit

Project Library

Keyword search:

Enter technical term, place name, or project number, etc., then hit Submit.

Keyword:

Browse by one of the following fields:

Fiscal Year:

Discipline:

Federal Agency:

Partner Institution:

Project Library

Keyword results

Export results

Stormwater Threats and Clean Water Solutions for Puget Sound Salmonids and their Habitats

Federal Agency: USFWS	Partner Institution: UW
Project ID#: F17AC00469	Status: Active
Start Date 2017-10-01	Keywords

[More information about this project](#)

Kobuk Valley National Park Traditional Use Study, Native Villages of Kiana and Ambler

Federal Agency: NPS	Partner Institution: PSU
Project ID#: P17AC00482	Status: Active
Start Date 2017-07-12	Keywords

Cooperative Ventures Newsletter

May 2018



Cooperative Ventures

News from the [Pacific Northwest Cooperative Ecosystem Studies Unit](#)

The Pacific Northwest Cooperative Ecosystem Studies Unit (PNW CESU), hosted by the University of Washington's School of Environmental and Forest Sciences, is a partnership for research, technical assistance, and education to enhance understanding and management of natural and cultural resources.

In this Issue:

- News from the Host
- New Members
- Partner Events
- PNW CESU Funding
- Funding Opportunities
- Project Highlight

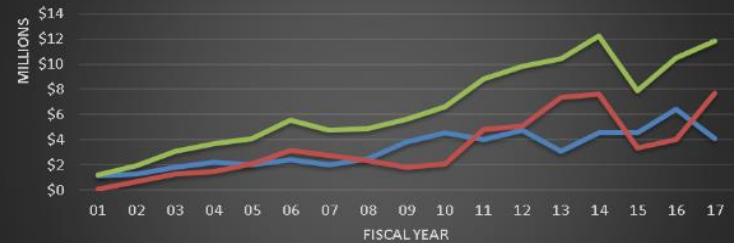
Previous issues are available online at [Cooperative Ventures](#).

News from the Host

The University of Washington welcomed [Dan Brown as the](#)

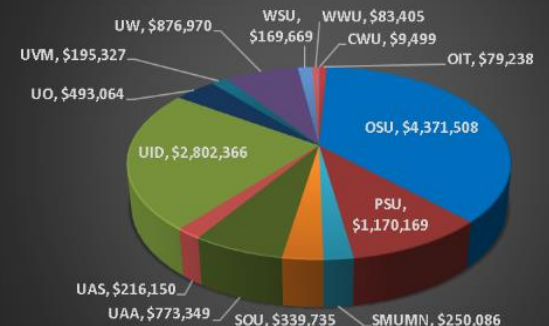
School of Environmental and Forest Sciences

PNW CESU FUNDING FY2001 - FY2017
\$113 MILLION



— New Proj

FY17 PARTNER FUNDING \$11.8 MILLION



Example Projects

Salmon

US Army Corps of Engineers and University of Idaho:
Columbia River Basin Fish Monitoring and Evaluation Studies

- \$ 3M since FY17
- Evaluation of salmon passage, characterization and return rates of Upper Willamette River Chinook salmon life history types, and reintroduction strategies using genetic pedigree analysis.



Bats and Pikas



[Photo: NPS/Ann Schonlau]



[Photo: US Forest Service]

NPS and Oregon State University:

Development of a National Parks and Protected Areas Cooperative Studies Program in Bend, OR

- Since FY15, over \$500K for monitoring bats (NABat) and pikas
- Funding from NPS, BLM, FWS and Oregon DFW
- Provides bat survey training to fed and state partners, bat coordinator hired, student interns

Pacific Northwest Bat Identification and White-Nose Syndrome Surveillance (WNS response plan)

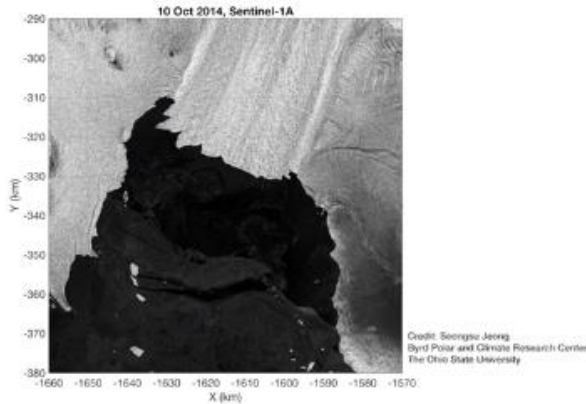
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TECH & SCIENCE

AMERICA'S 1,200 MOUNTAIN GLACIERS ARE SHRINKING DRAMATICALLY, DISTURBING IMAGES REVEAL

BY DANA DOVEY ON 10/23/17 AT 12:35 PM



SHARE



TECH & SCIENCE

GLACIERS

CLIMATE CHANGE

GLOBAL WARMING

We know that American glaciers are melting, but for the first time research from the University of Washington have been able to show us just how much and just how fast. The news is unsettling and hints that a glacier-less future could be here sooner than we may have thought.

David Shean, a researcher at the University of Washington in Seattle, has developed a new technique to measure glacier thickness that involves using high-resolution satellite images to track elevation changes. Using this tool, Shean was able to track elevation changes in 1,200 glaciers in the U.S.

The results have confirmed what many of us have feared: these glaciers are melting quickly. According to a recent [statement](#) on the unpublished study, cumulative ice loss at Mount Rainier in Washington measures about 0.7 cubic kilometers since 1970—that's equal to removing a 25-foot thick layer of ice from the entire mountain top.

Future Focus: Outreach & Renewal

- Identify and share projects featured in the news
- Create news for partners to share
- Prepare for 2020 Renewal

UW NEWS

ENVIRONMENT | NEWS RELEASES | RESEARCH | SCIENCE

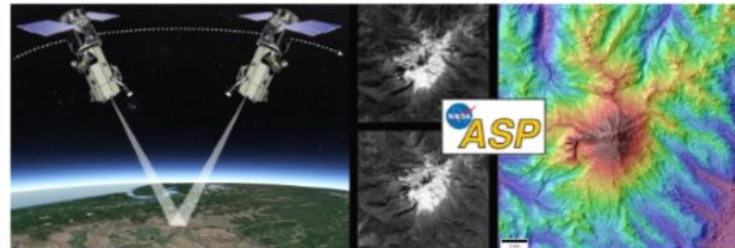
October 20, 2017

Mountain glaciers shrinking across the West

Hannah Hickey

UW News

Until recently, glaciers in the United States have been measured in two ways: placing stakes in the snow, as federal scientists have done each year since 1957 at South Cascade Glacier in Washington state; or tracking glacier area using photographs from airplanes and satellites.



The mapping technique uses a satellite to capture high-resolution images of a specific area from two angles. Then, the NASA Ames Stereo Pipeline software creates an elevation map with accuracy of a few feet. This example shows Mount Baker. *David Shean/University of Washington/DigitalGlobe/NextView License*

We now have a third, much more powerful tool. While he was a doctoral student in University of Washington's Department of Earth and Space Sciences, [David Shean](#) devised new ways to