

Benefits of the PNW CESU Partnership

Collaboration is facilitated by a streamlined administrative process and reduced and fixed indirect costs that allow research, technical assistance, and education projects to be established in a timely and efficient manner.

Benefits to University, State, and Other Partners

- ▲ Opportunities for faculty and professional staff to work with federal agencies to acquire funds for projects that address the research, technical assistance, and education needs of federal agencies and their partners
- ▲ Opportunities for students and professional staff to directly participate in federal research, technical assistance and education projects through assistantships and employment
- ▲ Increased participation in the development of research agendas of federal agencies



Planning Meeting

Benefits to Federal Partners

- ▲ Access to a broad range of scientific and other academic expertise from university partners
- ▲ Unique capability to organize interagency projects focused on interdisciplinary problem-solving
- ▲ Opportunities for federal scientists to network and enhance their research credentials.



Prineville Reservoir. Photo courtesy BLM

The CESU Concept

Management and stewardship of the nation's public lands and waters requires **skillful public service** supported by **sound science** and responsive technical assistance. Complex issues that **transcend boundaries** make it essential for agencies to work together. **Cooperative** emphasizes that multiple federal agencies, universities, and other institutions are among the **partners** in this program. (CESU Annual Report, October 2002).



Grand Coulee Dam. Photo Courtesy USBR.

The **goal** of the Cooperative Ecosystem Studies Units (CESU) Network is to improve the scientific base for managing federal lands by providing resource managers with high quality scientific research, technical assistance and education through working partnerships involving federal agencies, universities, tribal groups, state agencies, and non-governmental organizations.

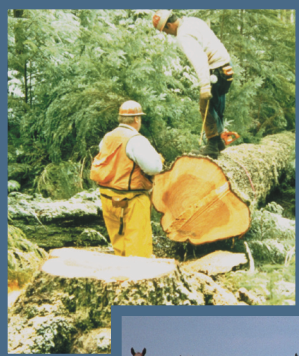


Photo courtesy BLM.



East Warm Springs Herd Management Area. Photo courtesy BLM.

PNW CESU Partners

State/Universities

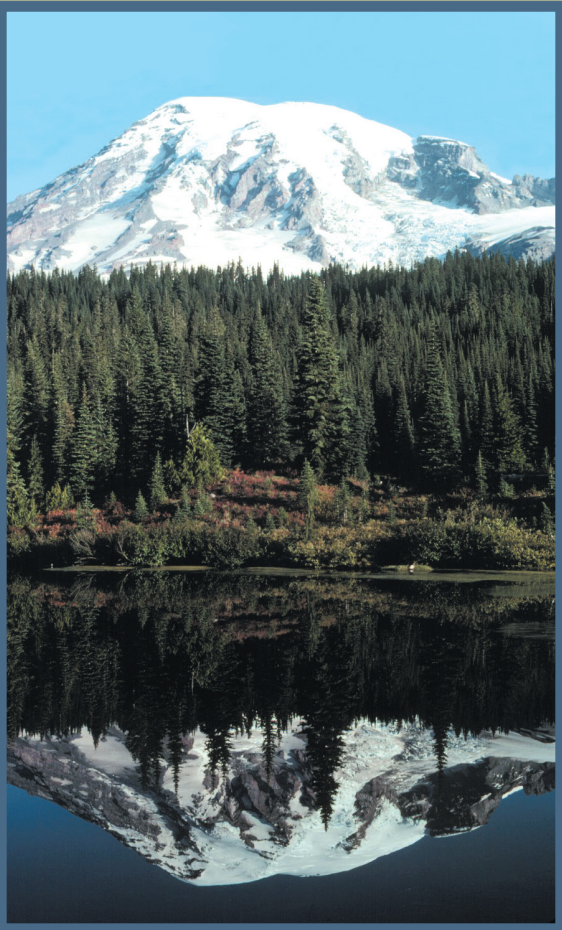
University of Washington (*host*)
Alaska Department of Fish and Game
Eastern Washington University
Heritage College
Oregon Institute of Technology
Oregon State University
Portland State University
Saint Mary's University of Minnesota
Southern Oregon University
Tuskegee University
University of Alaska – Anchorage
University of Alaska – Southeast
University Of British Columbia
University of Idaho
University of Oregon
University of Vermont
Washington State University
Western Washington University

Federal Agencies

Bureau of Land Management
Minerals Management Service
National Park Service
US Army Corp of Engineers
US Bureau of Reclamation
US Fish and Wildlife Service
US Geological Survey
USDA Forest Service
USDA Natural Resources Conservation Service



Courtesy of the Burke Museum of History & Culture. Catalog 2.5E536. Model Toem Pole, Kaigani Haida, Hoonkan, Alaska



Pacific Northwest Cooperative Ecosystem Studies Unit

A partnership for research, technical assistance, and education to enhance understanding and management of natural and cultural resources.

Visit our website!
www.cfr.washington.edu/research.cesu

Email us!
pnwcesu@u.washington.edu

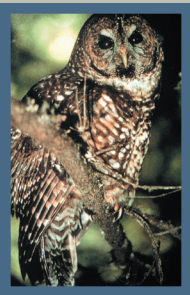
National CESU website
<http://www.cesu.psu.edu>

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The Pacific Northwest Cooperative Ecosystem Studies Unit (PNW CESU)

encompasses a region extending across 5 states (Washington, Oregon, Northern California, Western Idaho, and Southeast and Coastal South Central Alaska) and is hosted by the University of Washington. As a member of the National CESU Network, the PNW CESU is a working partnership among leading academic institutions, federal, state and non-governmental organizations.

The CESU National Network is organized around biogeographic regions across the United States. Each region is served by a distinct CESU, with all CESUs linked together in the National Network.



Spotted Owl, NPS photo



Photo courtesy NRCS



Hoh Rain Forest, NPS photo

PNW CESU Projects

PNW CESU projects are conducted within a diverse array of ecosystems including terrestrial, riparian, and coastal environments that contain old and young temperate rainforests, nearshore oceanic environments, volcanically-derived mountain ranges, the Columbia Basin Plateau, and the Alaska sub-arctic tundra. Many areas within the PNW CESU are experiencing rapid population and economic growth, presenting challenges for public resource managers. PNW CESU projects involve the physical, biological, social and cultural sciences to address complex social, cultural, and natural resource management issues such as:

- Identifying subsistence and other traditional uses of federal lands by Native Americans and rural communities.
- Inventory of baseline environmental conditions and monitoring of natural resource variables.
- Social Science
- Collaborative development of education and community outreach products.
- Providing technical assistance to managers through GIS, database development, and remote sensing.

Project Spotlights



Photo courtesy NPS

Western Airborne Containments Assessment Project

National Park Service, University of Washington and Oregon State University



Photo courtesy NRCS

Spatial Quality Control System for the Snowpack Telemetry (SNOTEL) System

Natural Resource Conservation Service and Oregon State University

A Multi-agency Ethnographic Overview and Assessment of Associated Tribes for the Purpose of Developing Consultation Plans in Clark County Nevada. National Park Service and University of Washington

Implementation planning for vegetation mapping at Lava Beds, Crater Lake and Oregon Caves National Park Units. National Park Service and Southern Oregon University

Estimating population size of humpback whales in southeast Alaska

National Park Service and University of Alaska Southeast



Photo Courtesy Jan Straley, UAS

Ecology of the Upper Klamath Lake Shortnose and Lost River Suckers. United States Bureau of Reclamation and Oregon State University

Orthorectification and Automation of Glacier Bay National Park and Preserve Landcover Mapping

National Park Service and Saint Mary's University of Minnesota

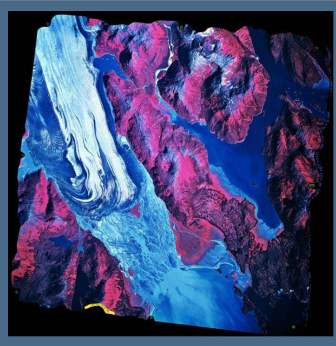


Image Courtesy SMU, GeoSpatial Services

