



## PNW CESU Annual Meeting

**November 9-10, 2004 University of Washington, Seattle**

Darryll Johnson and Gordon Bradley

We look forward to the upcoming gathering of PNW CESU partners. The meeting begins November 9 with a one-day symposium entitled: *Human Dimensions in Public Land Management*. Presentations by our university partners are wide ranging and include such topics as anthropogenic prairie restoration, visitor carrying capacity, and the economic impact of biodiversity management. The symposium will be valuable to all who have an interest in the social and cultural aspects of public land management.

Specifically, the goals of the project symposium are to:

- Present agency participants with a broad array of successful human dimension projects that are relevant to their needs as managers.
- Highlight the expertise of our 13 university partners.
- Facilitate concrete connections between federal and university partners: the day will conclude with a facilitated session to solicit specific agency needs in the area of human dimensions and provide the opportunity for university partners to respond to and participate in meeting those needs.

We have strongly encouraged CESU agency representatives to invite managers and hope to have one or more managers from each federal agency in attendance. Symposium presenters have been asked to stress the policy or management implications of their work.

PNW CESU agency and university technical representatives will then meet in a half-day executive committee meeting November 10. As always, other interested individuals are also welcome to attend. This meeting provides another opportunity to build beneficial connections between CESU partners. Each federal agency representative will submit and present a one page summary of their current technical assistance, research and education needs, focusing on areas that are presently funded or likely to be funded in the coming years. University representatives will then have the opportunity to comment on and suggest ways they might provide assistance to meet those needs.

University representatives will also prepare a one page summary of their institution's programs and available expertise relevant to the CESU for inclusion in a conference take-home packet. These expertise summaries and agency needs statements will later be used to update the PNW CESU web site.

The executive committee meeting will conclude with a discussion of procedures for the upcoming 5 year renewal of the PNW CESU, a discussion of the unit's strategic plan and other organization business items. Please register for the PNW CESU annual meeting by October 31, 2004. Go to our web site for the [conference registration form](#) and [hotel reservation information](#). We look forward to seeing you in Seattle. **cv**



### Mission

The Pacific Northwest Cooperative Ecosystem Studies Unit (PNW CESU) is a partnership for research, technical assistance and education to enhance understanding and management of natural and cultural resources.

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Register online for the PNW CESU Annual Meeting, Nov. 9-10, 2004 University of Washington, Seattle [www.cfr.washington.edu/research.cesu](http://www.cfr.washington.edu/research.cesu) (See page 3 for complete agenda)

## PNW CESU Program Staff

### Darryll Johnson

PNW CESU Co-leader and NPS  
Research Coordinator  
darryllj@u.washington.edu  
(206) 685-9150

### Gordon Bradley

PNW CESU Co-leader and UW  
College of Forest Resources Faculty  
gbradley@u.washington.edu  
(206) 685-0881

### Tracy Woodman

PNW CESU Program Coordinator  
woodmant@u.washington.edu  
(206) 616-4850

## PNW CESU Partners

### Federal:

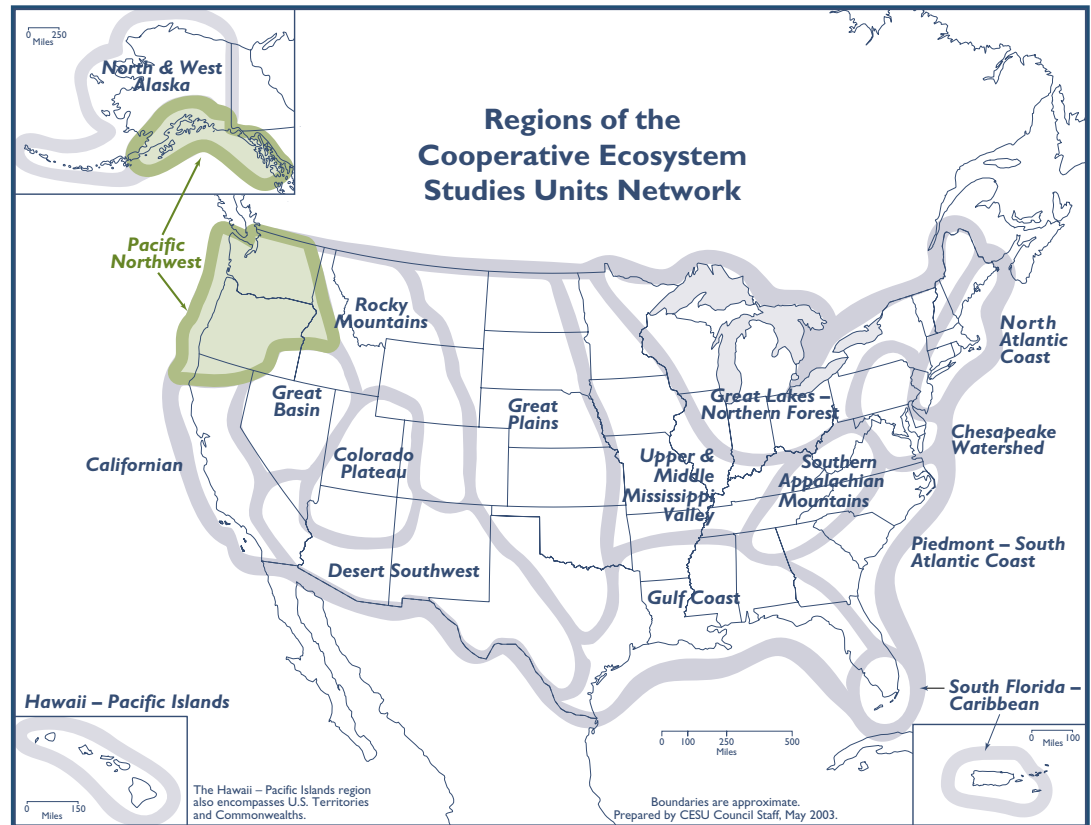
US Bureau of Reclamation  
US Forest Service (PNW  
Research Station)  
National Park Service  
Environmental Protection  
Agency  
Bureau of Land Management  
US Geological Survey  
US Fish and Wildlife Service

### University:

University of Washington (host)  
Oregon State University  
Southern Oregon University  
AK Native Science Commission  
University of Vermont  
Tuskegee University  
Heritage College  
University of British Columbia  
University of Alaska - SE  
University of Alaska -  
Anchorage  
Washington State University  
University of Oregon  
Alaska Department of Fish and  
Game  
University of Idaho

Contact information for all our  
representatives can be found  
on our Web site:

[www.cfr.washington.edu/  
research.cesu](http://www.cfr.washington.edu/research.cesu)



## The PNW CESU and the CESU National Network

The **Pacific Northwest Cooperative Ecosystem Studies Unit** encompasses a region extending across 5 states (Washington, Oregon, Northern California, Western Idaho and South East 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. The goal of the Cooperative Ecosystem Studies Unit 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 their working partnerships.

# PNW CESU Annual Meeting and Project Symposium

## *Human Dimensions in Public Land Management*

Forest Club Room, Anderson Hall, University of Washington, Seattle

November 9, 2004

Time	Topic	Presenter
8:30-8:45	Welcome remarks and introductions	Gordon Bradley and Darryll Johnson PNW CESU Co-leaders
8:45-9:00	Cultural Resource Management in the National Park Service – an overview	David Louter, Historian and Cultural Resources Coordinator, National Park Service, Seattle
9:00-9:45	Anthropogenic Prairies and the Pacific Northwest Environment	Dr. Julie Stein, Dean of Research, College of Arts and Sciences, University of Washington and Dr. Linda Brubaker, College of Forest Resources, University of Washington
9:45-10:25	Economic Analysis of Public Land Management for Biodiversity	Dr. Andrew Plantinga, Department of Agricultural and Resource Economics, Oregon State University
10:25-10:40	<b>Morning BREAK</b>	
10:40-11:20	Bringing Social Values and Ecological Understanding Together: Social-Ecological Hot Spot Mapping	Dr. Andrew Kilskey, Biological Sciences and Environmental Studies Resilience and Adaptive Management Group, University of Alaska, Anchorage
11:20-12:00	A Baseline Study of Hanford Reach National Monument Visitors' Management Perceptions	Dr. Ed Krumpe, Dept. of Conservation Social Sciences, College of Natural Resources, University of Idaho
12:00-1:00	<b>Lunch BREAK</b>	
1:00-1:40	Visitor Capacity and Protected Area Management	Dr. Robert Manning, College of Natural Resources, University of Vermont
1:40-2:20	Visitor Capacity at Mt. Rainier National Park—a case study	Dr. Mark Vande Kamp Protected Areas Social Research Unit, College of Forest Resources, University of Washington
2:20-2:30	<b>Afternoon BREAK</b>	
2:30-4:00	Facilitated Discussion of management needs and reaction to day's presentations	Facilitated by Penny Sundbland, US Forest Service
4:00	Closing Remarks	Gordon Bradley, PNW CESU Co-leader

November 10, 2004

Time	Topic
8:30-8:45	<b>Convene, agenda review</b> Needs and expertise of members: furthering the dialog
8:45-10:00	Education, research and technical assistance needs presentations from agency representatives (~15 min. each agency)
10:00-10:15	Morning BREAK
10:15-11:00	University partner resources – responses to agency needs
11:00-11:30	Brainstorming ideas to promote linkages between CESU partners. Proactive steps for university faculty/outreach visits/other?
11:30-12:00	<b>Report on FY 04 activity</b> <ul style="list-style-type: none"> <li>• Project details</li> <li>• Web site improvements</li> <li>• Newsletter update</li> <li>• New partners</li> <li>• Minority involvement</li> <li>• Strategic plan review</li> </ul>
12:00-1:00	<b>Working Lunch (provided)</b> <b>5-year renewal process: discussion and input</b> <ul style="list-style-type: none"> <li>• Partner communication</li> <li>• Levels of partner participation and addition of new members</li> <li>• Continued CESU funding</li> </ul>
1:00	<b>Adjourn</b>

## Neon Update

### *Attention all parties interested in the PNW Regional Neon Consortium:*

Mark E. Harmon and Jerry F. Franklin

#### Committee Nominations: We Need Your Help

The real work of designing **NEON** will come from members of the diverse scientific, engineering, and educational communities. We are looking for committed individuals to serve on committees of the NEON Design Consortium. If you have an interest in becoming involved in the challenge of designing NEON--or you think a colleague may be--we encourage you to let us know by completing an [online nomination form](#). Preference will be given to individuals who:

- Have relevant scientific and technical expertise
- Work well in group settings
- Can compromise to reach closure
- Respond promptly and can work according to an aggressive schedule
- Think outside the box and are not prisoners of history or fashion
- Keep the community interest foremost in mind
- Are available for each of the three committee meetings in 2005 [Jan. 3-7 (west coast tbd), Mar. 14-18 (east coast tbd), and June 6-10 (Estes Park, CO)]

**Nominations will be reviewed beginning October 8, 2004. Self-nominations are encouraged!**

We are at the beginning of a critical stage in the development of NEON: the planning of the national facility. NSF has awarded a 2-year, \$6 million planning grant to an AIBS-affiliated group to plan what NEON will do, what it will look like, how it will be governed, etc. This will specifically include defining the scientific questions that NEON Phase I will address and the infrastructure that will be required; this will be done in the next 13 months! It will also involve creating a non-profit corporation, NEON Inc., which will actually construct and operate NEON. For more details see [www.neoninc.org](http://www.neoninc.org).

Over the next year there will be numerous workshops and meetings to discuss and resolve these issues. We encourage you to participate in these meeting either as members of the national planning committees (see the web site for nomination procedures) or through web interactions, which will be extensive. In fact, we encourage you so much that we have already nominated some of your for the national committees!

Participation in the national planning effort is important because:

1. You can offer expertise and experience;
2. You can help to insure that regional needs are met. The PNW is quite different from other regions (OK--they are all different from each other!) and we want to be sure that our interests and opportunities are fully considered;
3. You can help ensure that the overall NEON framework makes sense.

There are several models of how to organize NEON. One is strictly question driven (NRC model) and another is based on regional observatories. We think that a hybrid approach makes a lot of sense--i.e., one that includes defined regions in which specific scientific question are used to guide infrastructure investments. We also believe that a mix of intensive and extensive sites, combined with a mobile capability is a desirable way to go--insuring that we make good use of existing infrastructure and programs.

We hope to have a meeting of folks interested in the PNW Regional Ecological Observatory (PNWREO) soon to refresh and resume the planning effort that we began several years ago. Meanwhile, inform yourself about the process and, if asked to participate in the national planning committees, please seriously consider doing so. There will be a meeting of representatives of the regional consortia (there is now complete geographical coverage of the US and its territories by proto-consortia) in the PNW in a couple of weeks and we will report to you on the outcome of that meeting.

Finally, this is THE opportunity to influence the ultimate shape of NEON, which is very likely to be the only major increase in support for ecological research for the next several decades! **cv**

## Partner News and Announcements

### 2005 Book Release: *In The Company of Ravens and Crows*

John M. Marzluff (corvid@u.washington.edu), Professor, Ecosystem Sciences Division, College of Forest Resources, University of Washington and Tony Angell (rolfeangell@aol.com), award winning author/artist and former Supervisor of the Washington State Environmental Education Programs for the State Superintendent of Public Instruction.

#### From the authors:

What do Van Gogh, Shakespeare, the Hopi People, Mark Twain, and the rock band *The Counting Crows* have in common? They all draw inspiration from some of our most common, but least understood birds: the ravens and crows. This is but a sample of the influence crows have had on human culture. In the book, *In The Company of Ravens and Crows* we investigate fully this connection and argue that crows have influenced our culture, ecology, and evolution. Moreover, we show that this influence is not unidirectional: people profoundly influence crow culture, ecology, and evolution. We use this novel approach, the co-evolutionary relationship among crows and people, to discuss the natural history of crows and ravens. We emphasize our relationships with American Crows and Common Ravens, but review interactions around the world. In this way we provide the reader with a primer on crow biology and ask them to consider how they influence and are influenced by crows.

We have organized our thoughts in nine chapters. These chapters investigate the thesis of co-evolution; the taxonomy, morphology, natural history, population ecology, and behavioral ecology of crows; human interactions with crows as irritating and competitive pests, targets, creators, symbols, diviners, and inspirations; the adjustments of crows

to life with people; the adjustments of people to life with crows; and sources of further information.

We integrate 100 original drawings by Tony Angell into our argument to make the case for the mutual interactions among crows and people visually compelling.

We combine our more than 60 years of scientific and artistic fascination with crows and their relatives to blend natural and human history into a unique investigation of a species that nearly everyone recognizes, has an opinion or a question about, but few understand.

We have written this book for the curious person interested in their natural surroundings. Birders, amateur anthropologists, those interested in Native Peoples, and even those interested in the occult, death, and human mysteries will be drawn to this book. Our review of the scientific literature, documented in the notes section of the book, will also make this book useful to graduate students and professionals in ecology, wildlife biology, and conservation biology. **cv**

**"In the Company of Ravens and Crows"**  
**Yale University Press.**  
**Marzluff and Angell.**  
**To be released fall 2005**



Original artwork by co-author Tony Angell



## Partner News and Announcements

### *Visit the New National Park Service North Coast and Cascades Research Catalog: [www.nps.gov/nwresearch](http://www.nps.gov/nwresearch)*

Regina Rochefort, Science Advisor

The North Coast and Cascades Network has developed a Research Catalog to highlight research needs within the seven network parks. Initially the Catalog was developed for Mount Rainier, North Cascades, and Olympic National Parks and included a web and print version (September 2000). The goal was to provide an overview of natural and cultural research needs within Mount Rainier, North Cascades and Olympic National Parks and to actively invite researchers to work within the parks. The catalog was posted on the web and printed in a three-ring binder format to facilitate updates or revisions. After two years, the catalog format was reviewed by network Superintendents, resource specialists, Darryll Johnson, and several researchers. Upon review, we recognized that the three ring binder format

was difficult to update and too costly to reprint and maintain. Ultimately, we decided that the catalog should be reformatted and expanded to all seven network parks. Utilizing a grant from the North Coast and Cascades Learning Network, Regina Darryll Johnson and I developed a PNW CESU cooperative agreement with Doug Wadden, Chair of the Division of Design in the University of Washington's School of Art.

Doug and his students reviewed the current format of the catalog and suggested that the print and web versions should be designed for different audiences and should not be identical (as they originally were). Based on Doug's recommendations, his group designed two short print versions that would be used as mailers or at conferences to alert people to the NPS interest in research. The web version is more detailed and includes specific research questions, park facilities and contacts, and links to the PNW CESU site and the NPS Research Permit System. The web version is still being developed and updated as new research topics are identified by park resource specialists. The Research Catalog can be accessed at [www.nps.gov/nwresearch](http://www.nps.gov/nwresearch). Questions on the Catalog and its development can be directed to Regina Rochefort ([regina\\_rochefort@nps.gov](mailto:regina_rochefort@nps.gov)), David Louter ([david\\_louter@nps.gov](mailto:david_louter@nps.gov)), or Darryll Johnson ([darryllj@nps.gov](mailto:darryllj@nps.gov)). Copies of the print versions are available from Regina Rochefort. Doug Wadden can also be contacted for information on the development of this catalog or other collaborative projects with the School of Art ([djwad@u.washington.edu](mailto:djwad@u.washington.edu)). **cv**



Mount Rainier National Park

## Partner News and Announcements

### Another First for the Pacific Northwest CESU

The U.S. Fish and Wildlife Service (USFWS) recently initiated its first task agreement within the CESU network. While USFWS maintains membership in a number of CESUs, this important milestone was accomplished within the Pacific NW CESU via an agreement with the University of Idaho. The project involves a visitor use survey at the Hanford Reach National Monument/Saddle Mountain National

educational opportunity to evaluate how recreation impacts develop with use over time, and how recreation conflicts can develop or be avoided through agency management actions. In turn, the survey will provide information useful to USFWS as it plans for the Monument's visitor services, interpretation and education programs and associated site development. Information collected will ultimately benefit pub-



Rattlesnake Summit, photo by Ron Crouse/USFWS

Wildlife Refuge. A graduate student will investigate current levels and types of recreation use, time and duration of use, ingress/egress points, frequency of visits, levels of satisfaction, and other information relevant to visitor use patterns and preferences. This agreement benefits the University of Idaho by giving its students applied experience in understanding the behavior, motivations, and satisfaction received by individuals visiting public lands. Because of the site's history of restricted access due to national defense activities, the project also provides an unusual

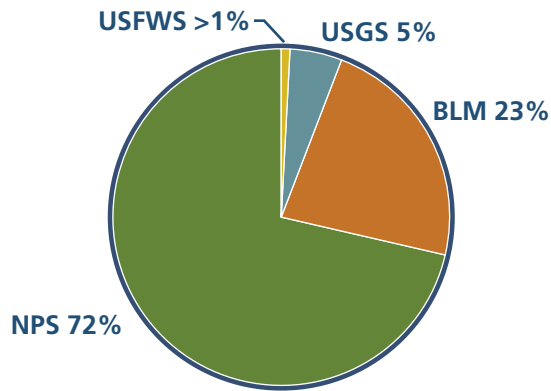
public visitors that are seeking to learn about Monument resources and recreate on Monument lands and waters. "In addition to representing an excellent partnership, this agreement sets the stage for future task agreements between the Fish and Wildlife Service and other CESU member institutions," noted Paul Heimowitz, the USFWS Pacific Regional Office representative to the PNW CESU.

For more information on the survey, contact Paula Call at (509) 371-1801 or [paula\\_call@fws.gov](mailto:paula_call@fws.gov). **cv**

...Have news from your agency or institution to share? Send announcements to Tracy Woodman ([woodmant@u.washington.edu](mailto:woodmant@u.washington.edu)) for inclusion in *Cooperative Ventures*, a quarterly publication of the PNW CESU.

# PNW CESU Project Activity

*Funds by agency FY 01-04 total \$8.97 million*

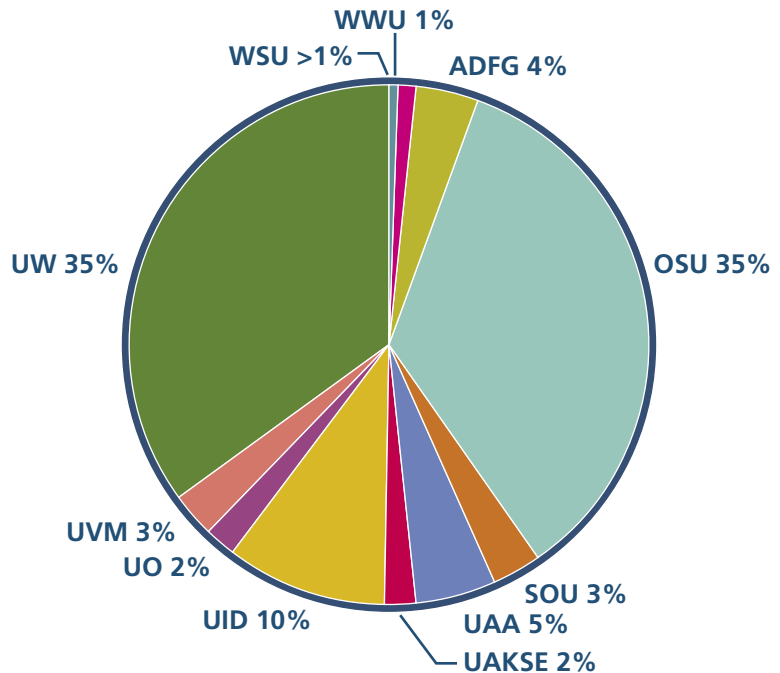


Visit our Web site at:

[www.cfr.washington.edu/research.cesu](http://www.cfr.washington.edu/research.cesu)

- Browse our on-line project library
- Download the project summary form
- Find helpful materials for initiating a project through the PNW CESU.

*Funds by University Cooperator FY 01-04 total \$8.97 million*



## Another Year of Growth for the PNW CESU

Fiscal year 2004 closed with a slight increase in project activity over last year and for the first time, four different federal agencies used the agreement – NPS, BLM, USFWS and USGS. This diversification of agency participation is encouraging for the long term growth of the unit. For a complete listing of FY04 project titles and descriptions, please visit the on-line project library @ <http://www.cfr.washington.edu/research.cesu>.

## Total Project funds by FY

