



Haub School UPDATE



NEWS FROM OUR ACADEMIC
PROGRAMS, BIODIVERSITY INSTITUTE,
AND RUCKELSHAUS INSTITUTE

SPRING 2013
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The Haub School of Environment and Natural Resources advances the understanding and resolution of complex natural resource challenges through interdisciplinary education, scientific discovery, dissemination of information, and collaborative decision-making.

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LETTER FROM THE DIRECTOR

Dear friend of the Haub School,

Our vision is to support leaders and resource managers to make inclusive, lasting decisions that will foster a healthy and productive environment for generations to come. This issue of our newsletter provides updates and introduces you to new efforts from our Academic Programs and Institutes that move us toward this end.

One of the ways we embody our vision is through our building, the Bim Kendall House. With generous support from Donald and Bim Kendall, we purchased a historic house in Laramie and remodeled it in 2010. Nicole Korfanta, our Associate Director, had a vision to make our building as environmentally responsible as possible, and she was instrumental in designing many of its green features. In addition, she doggedly pursued Leadership in Energy and Environmental Design (LEED) certification from the U.S. Green Building Council.



In December 2012 after years of planning, execution, and paperwork, the building was awarded Gold certification, the second-highest possible level. The certification is based on points awarded for features such as use of an existing structure (to save materials), use of natural daylight and solar panels (to save energy), and xeriscaping and low-flow faucets (to save water).

The Kendall House was the second UW building to earn LEED Certification. Now, the building is a teaching tool where members of the community come to learn about sustainable design and construction at a scale appropriate for residences or small office buildings. The Berry Biodiversity Conservation Center, home to our Biodiversity Institute, earned LEED Gold certification this winter as well.

This spring we also welcome three new members to our Board of Advisors: Marilyn Kite, Todd Parfitt, and Larry Wolfe. Marilyn is Chief Justice of the Wyoming Supreme Court and an alumna of University of Wyoming and UW's College of Law; Todd is the new Director of the Wyoming Department of Environmental Quality, where he is responsible for the state's oversight of environmental regulation, including water quality, air quality, and siting industrial projects; and Larry is a partner at Holland & Hart, LLP in Cheyenne, where he specializes in natural resource law. All three bring unique perspectives and expertise to help guide the organization and expand our reach and scope.

Thanks for being part of our community, and enjoy this issue of our Update newsletter. Sincerely,

Indy Burke, Director

On the cover: Elephants by Charl Staffeu, University of British Columbia, at the Mpala Research Center, Kenya, during the 2012 Haub School/Zoology and Physiology "Ecology and Conservation of African Savannas" course.

>> Top: Beeeater, Charl Staffeu, Mpala Research Center. **Top right:** Gilbert Momanyi cheers on the Wyoming Cowboys, fall 2012. **Bottom:** UW student Katti Riggs and fellow primate in Kenya, by student Daniel Greenwood.



ACADEMIC PROGRAMS

Exchange with Laikipia Wildlife Forum in Kenya

Last May ten University of Wyoming students, ten University of British Columbia students, and three students from Kenya’s Moi University participated in a jam-packed field course at the Mpala Research Center in the Rift Valley of Kenya.

Dr. Jake Goheen from the UW Zoology and Physiology Department instructed the course, which is part of a skills exchange program between UW and the Laikipia Wildlife Forum.

The students studied wildlife behavior, examined savanna ecology, explored this developing country’s museums and agencies, practiced wildlife sampling field techniques, and learned how white and Turkana cultures in Kenya influence wildlife conservation. The Haub School Academic Programs provided financial support including salary for graduate assistant Allison Louthan, PhD candidate in Zoology/Physiology and ENR.

The course grounds UW students in biological field research while pushing them to grapple with cultural and economic aspects of wildlife conservation as part of the larger exchange program. In addition to sending Wyoming students to Kenya, the Haub School and the Zoology/Physiology Department hosted two Kenyan graduate students, Gilbert Momanyi and Herman Njoroge Chege, who studied natural resource problem solving and human dimensions of conservation at UW last fall.

Dr. Mordecai Ogada, Director of the Laikipia Wildlife Forum in Kenya and a key facilitator of the exchange, emphasizes the need for training in the human dimensions of wildlife conservation. He spoke at UW last year about the challenges of conservation in places with conflicts between wildlife and agriculture and where people rely on game meat – true of both Wyoming and Kenya.



“The spirit of the exchange is not just to offer the Kenyans training, but to link what we know with what they know and to support aspiring Kenyan conservationists,” says Courtney Carlson, Assistant Director of the Haub School Academic Programs. “This program has potential to be the Haub School’s most successful cross-cultural exchange yet. It’s exciting because it’s truly reciprocal.”

One master’s of science graduate student at Moi University, David Kimutai, is the research scientist for the Kenyan Wildlife Service Elephant Program, studying human/elephant interactions surrounding an elephant population that has declined 98 percent in the last 25 years. Offering scientists like Kimutai interdisciplinary training in human dimensions of wildlife conservation is “critically important,” Carlson says. Kimutai hopes to take classes at UW this fall.

SUPPORT THE EXCHANGE

COST \$8,000

WHAT IT COVERS Airfare, tuition, fees, insurance, meals, and lodging to bring one Kenyan masters student to UW for a semester

HOW TO HELP Please email HAUB.SCHOOL@UWYO.EDU with subject line “Laikipia Exchange”



BIODIVERSITY INSTITUTE

New grants promote biodiversity research and art

The Biodiversity Institute brings together researchers, professionals, students, and the public in a forum that enables all citizens to participate in scientific discovery and develop an understanding of the physical, biological, and human forces that impact and shape the character of biodiversity.

To accomplish this mission and help the people of Wyoming deepen our understanding of and appreciation for our state's biological diversity, the Biodiversity Institute supports biodiversity research, promotes the integration of new and existing data sets related to Wyoming's biodiversity, and encourages the dissemination of data and scientific conclusions to students, educators, other interested members of the public, and the scientific community.

One project the institute has initiated is a series of grant offerings to support biodiversity research, teaching, and creative endeavors on the University of Wyoming campus. This spring the Biodiversity Institute offers three new funding opportunities. Each grant asks applicants to maximize their creativity and innovation in designing projects that test the boundaries of how we study and think about biodiversity. And each requires a strong public engagement element that moves these projects from the students and educators who work on them at UW into the hands of Wyoming citizens.

Over the coming year as grant recipients complete their projects, we look forward to sharing the research results, field reports, and cultural expression resulting from this work with the citizens of our region.

BIODIVERSITY IN ART

Amount \$1,000 to \$5,000

Eligibility UW students, staff, and faculty

Purpose Supports projects that integrate biodiversity science and the creative arts. Visual, written, performance, or other artistic forms that explore and portray our experiences of biodiversity in the natural world will be considered.

BIODIVERSITY RESEARCH

Amount \$1,000 to \$10,000

Eligibility UW undergraduate and graduate students

Purpose Supports independent, innovative, and high-impact research projects to answer important scientific questions about biodiversity.

FIELD/INTERNATIONAL BIODIVERSITY COURSE

Amount \$12,000

Eligibility UW faculty and academic professionals

Purpose Supports educators to take students into the field in our region or internationally to expand students' view of biodiversity, including consideration of human concerns and conservation.



Above: Masks representing biodiversity are an example of cultural interpretation such as the Biodiversity in Art Grant aims to support. **Left:** Pronghorn antelope, part of the biodiversity of Wyoming's sagebrush steppe.

UWYO.EDU/BIODIVERSITY

RUCKELSHAUS INSTITUTE

Collaboration Program in Natural Resources launches



The Ruckelshaus Institute's new Collaboration Program in Natural Resources launches this April. The program targets professionals from land management agencies, industry, conservation organizations and other nonprofits, and landowners and land managers.

Mid- and upper-level professionals or any individual whose work involves land or natural resource management and decision making in Wyoming and the surrounding region will benefit from the program. The Collaboration Program in Natural Resources entails a series of six rigorous, hands-on sessions where participants will develop collaborative problem-solving skills to address natural resource issues.

Dr. Jessica Clement, Research Scientist in Human Dimensions of Natural Resources at the University of Wyoming, directs the program. She brings expertise in collaborative governance and collaborative learning related to forests, wildlife, recreation, public lands, and other resources. Dr. Steve Smutko, Professor and Spicer Chair in Collaborative Practice, also in the Ruckelshaus Institute, will be co-teaching these training sessions.

The Ruckelshaus Institute also hosts a Collaboration in Natural Resources Forum this April in Lander. Learn more about both opportunities online.

“Natural resources issues are inherently complex and sometimes controversial, and budgets are limited. Collaboration can create more value for landscapes and communities.”

Jessica Clement
Collaboration Program Director

2013-14 SESSIONS

The sessions cover self-awareness, leadership, collaborative problem solving for regulatory and landscape-scale natural resource issues, facilitation skills, and other related subjects. Participants will analyze real-world case studies and will practice collaborative approaches and leadership styles.

Self Discovery and Introduction to Concepts
April 30–May 2, Lander

Group Processes: Negotiation, Leadership Skills
May 20–22, Casper

Collaboration for Communities and Landscapes
June 10–12, Lander

Public Participation and Environmental Decision-Making
Aug 19–21, Lander

Practicum Review
Nov 5, Casper and online

Practicum Presentation and Graduation
March 2014, location and date TBD

COLLABORATION PROGRAM IN NATURAL RESOURCES ADVISORY BOARD

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Randy Williams, Executive Director, Teton County Conservation District



MEET A SENIOR ADVISOR

Dr. Jason Shogren

As an economist, Dr. Jay Shogren researches how economic motives inform environment and natural resource public policy. He studies how factors like risk, conflict, cooperation, and drive for prosperity shape policies intended to create responsible natural resource management. He is a guest speaker for Haub School capstone courses, in which students conduct an in-depth environmental assessment of a real-world natural resource challenge.

Shogren also partners with the Ruckelshaus Institute. In April Shogren's Stroock Forum on Wyoming Lands and People, the Ruckelshaus Institute, and the Wyoming Chapter of The Nature Conservancy are hosting a Forum on Conservation Finance. The Stroock Forum provides a platform to explore tools that can inform economic and natural resource management decisions in Wyoming. "The point of the Stroock Forum is to share ideas and to deliberate over different ways we can try to understand each others' perspectives," he says.

The Forum on Conservation Finance brings local and global experts to Wyoming to speak about mechanisms for market-based approaches to fund conservation. Shogren and the other sponsors hope the event will plant ideas for Wyoming to develop tools to reward landowners for sound conservation. Conservation finance can reach beyond philanthropy to pay for the ecosystem services provided by undeveloped lands.



Senior Advisor Jason Shogren is the Stroock Professor of Natural Resource Conservation and Management and Chair of the Economics and Finance Department in the University of Wyoming College of Business. He introduces our Conservation Finance Forum this April.

The forum is a chance to, "hear what others have to say, get ideas on the table, shuffle through them, and see if they match up or don't with what you think. Hopefully everybody will leave with more of an understanding of each other," says Shogren. The Forum on Conservation Finance takes place April 2 in Casper, Wyoming. Check the Ruckelshaus Institute online publications library for proceedings of the forum in the coming months.

UPDATE

State adopts Task Force recommendations in Ozone Strategy

Last year the Wyoming Department of Environmental Quality asked the Ruckelshaus Institute's Steve Smutko and Elizabeth Spaulding to design and facilitate a collaborative decision making process for citizen stakeholders to address ozone nonattainment status in and around the western Wyoming natural gas fields. With Ruckelshaus Institute guidance, the 26-member Upper Green River Basin Air Quality Citizens Advisory Task Force met several times throughout the year and, last September, produced ten consensus recommendations for DEQ to consider in its plan to reduce ground-level ozone. Governor Mead praised the Task Force recommendations.

In March of 2013, the Wyoming DEQ Air Quality Division released its Upper Green River Basin Ozone Strategy, with short- and long-term activities designed to tackle the nonattainment issue. The strategy addresses several of the recommendations made by the Task Force such as strengthening monitoring and reporting requirements and designating a point person at DEQ to respond to public comments and concerns as the Ozone Strategy moves forward. In addition, DEQ will soon begin new rulemaking on issues identified by the Task Force.

"One of the most important outcomes of the Task Force is improved communication between the DEQ and the public," says Spaulding, noting that Task Force members are keeping a close eye on the state's response to their recommendations.



PROFILE: ENVIRONMENT AND NATURAL RESOURCES STUDENT CLUB

Students engage the campus community

In the fall of 2011, a collection of students, including current club President Wil Chapple, formed the Environment and Natural Resources Student Club at the University of Wyoming.

“We all had a common belief that the environment is something worth preserving and protecting. The more people that we can rally to share and participate in that belief, the louder our actions can be heard,” said Chapple.

Since its foundation, the club has grown to forty members and four officers, all from diverse backgrounds. Twice a month these students get together to discuss opportunities and ideas to promote collaborative and innovative action in response to environment and natural resource issues on campus.

The club brings students together for activities such as hikes at Vedauwoo and plans to host a film screening as part of UW’s Earth Day celebrations.



ENR Student Club members Brandon Hayes, Wil Chappel, Josh Zeeb, and Jessie Irish with Haub School Academic Programs Student Advisor and club sponsor Maggie Bourque (in glasses).

Follow us for updates on our events and accomplishments:



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Support our mission

The Haub School of Environment and Natural Resources at the University of Wyoming provides training, tools, and resources to support citizens and leaders who work together and make wise, informed decisions that will sustain our environment and natural resources into the future. Each year a significant portion of our budget is made up of individual contributions from people who believe in our mission. Your support of our Academic Programs and Institutes will help us educate tomorrow’s professionals, communicate relevant research, and enable shared solutions.

Three easy ways to make a difference in the future of natural resource management in the West and beyond:

Use UW’s secure online giving platform WWW.UWYO.EDU/GIVEONLINE

Send your contribution by mail University of Wyoming Foundation, 1200 E Ivinson St, Laramie, WY 82070

Give over the telephone Call the UW Foundation during normal business hours at (307) 766-6300 or (888) 831-7795

You may designate your gift for one of the following:

Haub School of Environment and Natural Resources general fund OR

Academic Programs OR Biodiversity Institute OR Ruckelshaus Institute

Your gift is tax deductible as provided by law. Thank you for your support.

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ALUMNUS SPOTLIGHT

Joe Herbst, B.A. Political Science and ENR, '06

After earning his B.A. in Political Science and ENR from UW, Joe Herbst spent four years as a consultant to utility-scale wind and solar energy developers. When he got tired of life on the road he went back to his hometown of Fargo, N.D., to pursue a master's degree in Natural Resource Management at North Dakota State University. Last spring, while he was still a graduate student, Minnesota State University Moorhead hired him as its new Sustainability Coordinator. In that position, he raises environmental awareness among students, staff and faculty and works to implement programs that will reduce the environmental footprint of the campus. He anticipates completing his master's, which entails a study of "ecosocialization," this spring.



Reflecting on his experiences at the Haub School he says, "The interdisciplinary nature of the ENR degree demonstrates to potential employers that I'm able to evaluate and address environmental problems from a well-balanced perspective. That ability is critical when working in a large and diverse organization. In addition, being involved with the Ruckelshaus Institute reinforced the idea that natural resource management is more effective when a broad array of stakeholders are allowed to weigh in."

His broad background in environmental issues and exposure to collaborative management helped him secure his new position, and he's excited to see what he will be able to accomplish.

HAUB SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

Indy Burke, *Director, Wyoming Excellence Chair*
Nicole Korfanta, *Associate Director*
Steve Smutko, *Spicer Chair, Collaborative Practice*
Fred Ogden, *Cline Chair, Engineering and ENR*
Emilene Ostlind, *Communications Coordinator*
Nancy Hoffer, *Senior Office Associate*
Maureen Morrison, *Administrative Associate*
Mandy Bohlender, *Senior Office Assistant*
Sean Doyle, *Office Assistant*
Andrea Lyon, *Student Employee*

Academic Programs

Courtney Carlson, *Assistant Director*
Maggie Bourque, *Student Advising Coordinator*

Biodiversity Institute

Carlos Martinez del Rio, *Director*
Dorothy Tuthill, *Associate Director*
Brenna Marsicek, *Program Manager*

Ruckelshaus Institute

Anne Jakle, *Assistant Director (interim)*
Jessica Clement, *Research Scientist, Collaboration Program Director*
Elizabeth Spaulding, *Public Policy Facilitator*
Mary Hogarty, *Research Scientist*

