RM-CESU NEWS & EVENTS

Two UM Students Awarded Jerry O'Neal Fellowship for Research in Glacier National Park

The Jerry O'Neal Fellowships, funded through the Crown of the Continent Research Learning Center at Glacier National Park, were announced for student work in summer 2014. This student award is named for the former deputy superintendent at Glacier NP, in honor of his dedication to science and research in the NPS. The competition is facilitated through the Rocky Mountains CESU and was open to students at all of the RM-CESU universities. This year’s Fellowship recipients are:


Wesley’s study will help gain an understanding of how mountain goats are affected by roads, people and predators, and adjacent trails. Study goals include: i) assess how goats use roads and adjacent trails, ii) map the intensity of interactions with people, and iii) develop baseline data on effects of roads, adjacent trails and people on goat distribution and behavior. Knowing more about the direct and indirect consequences of the interactions between goats and people will help park managers plan for multiple uses along the Going-to-the-Sun Road in Glacier NP.

Sarah Moody, M.A. Candidate - Environmental Studies, University of Montana: Communicating to the Public: Climate Change in Glacier National Park

Sarah will produce 2-3 short videos to educate the public on impacts of climate change on Glacier National Park. Potential topics for the videos include: how the melting glaciers affect watershed function, the effects of climate change on selected wildlife species, and how the Park Service is responding to climate change by adapting their management actions. Sarah will use the videos to showcase the landscapes of Glacier NP, and to disseminate facts about climate impacts. These videos will be used to communicate with the public about how Glacier is changing and what they can do to mitigate the effects of climate change.

As a requirement of their Fellowships, Wesley and Sarah will provide a final project report and copies of any publications as a result of their research. In addition, they will prepare a one-page, illustrated project summary that will be featured in a future RM-CESU newsletter. For more details contact Lisa Gerloff, Executive Coordinator of the RM-CESU at the University of Montana, at rmcesu@umontana.edu.
2014 Crown Managers Partnership Forum held at University of Montana, March 17-19, 2013

The Crown Managers Partnership convened their annual Forum, this year titled: Managing for Climate Change in the Crown of the Continent, at the University of Montana, Missoula. Numerous RM-CESU partners participated in this Forum, including National Park Service, US Forest Service, USGS, NRCS, University of Montana, Montana State University, Wildlife Conservation Society and Fish and Wildlife Service. The CMP Forum brought together land managers, scientists, the public and academics to discuss managing climate change in the Crown of the Continent Ecosystem, including areas of Alberta, British Columbia and Montana. Following a number of presentations about Climate Change effects and adaptation strategies, the participants worked in small groups to discuss how to manage two important landscape variables in the face of climate change: fire and native fish species. The Forum Agenda and Participant List, along with copies of the Forum Presentations, can be found at their web site: http://crownmanagers.org/2014-cmp-forum. For more information please contact Sasha Harriott, CMP at crownmanagers@gmail.org.

Rocky Mountains CESU participates in the 2014 Northwest Scientific Association Meeting, University of Montana, Missoula, March 26-28, 2014

The 85th Annual Meeting of the Northwest Scientific Association was held this week in Missoula, and was titled: The Future of Forests and Forest Management: Change, Uncertainty and Adaptation. As part of this science meeting Dr. Pei-Lin Yu presented a paper that showcased the use of the RM-CESU partnership to make progress in the area of natural resource management. The paper, titled: EMERGING RESEARCH IN NATURAL RESOURCE MANAGEMENT THROUGH A CONSORTIUM OF REGIONAL UNIVERSITIES AND FEDERAL AGENCIES was authored by Pei-Lin Yu, Lisa Gerloff, and Kathy Tonnessen, Rocky Mountains Cooperative Ecosystem Studies Unit, College of Forestry and Conservation, The University of Montana. This paper emphasizes the use of the RM-CESU to facilitate research in the between Federal agencies and Rocky Mountain region universities and colleges, with case studies of projects related to fire and fuels management, restoration ecology, invasive plant and insect disturbance and climate change in Rocky Mountains forests. For a copy of the proceedings, go to: http://northwestscience.org/Resources/Documents/2014_NWSA-Proceedings_updated-March212014.pdf

June 3-5, 2014: 2014 Cooperative Ecosystem Studies Units (CESU) Network National Meeting, National Conservation Training Center (NCTC) near Shepherdstown, West Virginia

Every two years, the CESU Network National Meeting brings together partners from across the country to share outstanding examples of science, stewardship, and education in the spirit of collaborative conservation. The program includes opportunities to highlight project work. It will also include several working sessions focused on programmatic needs and future strategic directions of the CESU Network.


Request for statements of interest for possible RM-CESU partners to assist Olympic NP with Natural Resource Condition Assessment

The National Park Service (NPS) is requesting information on the interest and qualifications of potential partner(s) to assist with a project to complete a Natural Resource Condition Assessment (NRCA) for Olympic National Park (OLYM). Responses to this request will be used to identify potential collaborators for a project that will be funded by NPS. The NPS wishes to conduct this project in collaboration with a partner institution and Principal Investigator (PI) in one of the following Cooperative Ecosystem Studies Units (CESUs), under the auspices of the respective Unit’s Cooperative Agreement: the Pacific Northwest CESU (PNW CESU), the Californian CESU (CA CESU), or the Rocky Mountains CESU (RM CESU). The anticipated budget for this project is $150,000 and is subject to availability of funding. The final award amount will be dependent on an approved project budget(s) and NPS determination of available funds. Statement of Interest due: April 14, 2014.

http://www.cfc.umt.edu/cesu/Postings/Opportunities.php
**PARTNER NEWS & EVENTS**

**Announcements:**

**Colorado State University**: New dean of Warner College of Natural Resources

John P. Hayes, University of Florida Institute of Food and Agricultural Sciences Dean for Research and director of the Florida Agricultural Station in Gainesville, has been selected as the new dean of the Warner College of Natural Resources at Colorado State University. Read more: [http://www.today.colostate.edu/story.aspx?id=9758](http://www.today.colostate.edu/story.aspx?id=9758)

**University of Calgary**: Oilsands sand originated in eastern North America, study shows

They’re called the Alberta oilsands but most of the sand actually came from the Appalachian region on the eastern side of the North American continent, a new University of Calgary-led study shows. Read more: [http://www.ucalgary.ca/utoday/issue/2014-03-14/oilsands-sand-originated-eastern-north-america-study-shows](http://www.ucalgary.ca/utoday/issue/2014-03-14/oilsands-sand-originated-eastern-north-america-study-shows)

**University of Wyoming**: UW Researchers Link Habitat and Nutrition with Wyoming’s Moose Population

A preliminary University of Wyoming report of moose habitat in five regions of the state and one in northern Colorado shows habitat is linked to nutrition condition, reproduction and calf survival in moose. Read more: [http://www.uwyo.edu/uw/news/2014/02/uw-researchers-link-habitat-and-nutrition-with-wyomings-moose-population.html](http://www.uwyo.edu/uw/news/2014/02/uw-researchers-link-habitat-and-nutrition-with-wyomings-moose-population.html)

**Calendar of Events:**

**July 13-16, 2014**: 2nd North America Congress for Conservation Biology, Missoula, MT. The biennial NACCB provides a forum for presenting and discussing new research and developments in conservation science and practice for addressing today’s conservation challenges. In addition, these conferences connect our regional community of conservation professionals and serve as a major networking outlet for people interested in North America conservation. Conference is hosted by North America Section of the Society for Conservation Biology, Montana Chapter of the Society for Conservation Biology, and Wildlife Biology Program at the University of Montana. [https://www.xcdsystem.com/scbna/website/northamerica](https://www.xcdsystem.com/scbna/website/northamerica)


**September 17-20, 2014**: This Land Is Your Land: Toward a Better Understanding of Nature’s Resiliency-Building and Restorative Power for Armed Forces Personnel, Veterans, and their Families, University of Utah, Salt Lake City, UT. This symposium will bring together a variety of individuals and organizations dedicated to providing nature-based resiliency-building and restorative experiences for Armed Forces personnel, veterans, and their families. Delegates will include scientists researching the resiliency-building and restorative power of nature-based experiences, representatives from a cross section of organizations providing nature-based outings, and interested others from across the allied health professions. [https://www.regonline.com/builder/site/Default.aspx?EventID=1357234](https://www.regonline.com/builder/site/Default.aspx?EventID=1357234)

**October 5-9, 2014**: Pathways 2014 Conference: Integrating Human Dimensions into Fish and Wildlife Management, Estes Park, CO. Pathways is the premier scientific meeting for academic and government researchers, students, agency scientists, land managers, NGO representatives, and other individuals who are interested in the human dimensions of fish and wildlife management issues. The theme this year is Common Futures. [http://www.hdfwconference.org/](http://www.hdfwconference.org/)

**October 6‒8, 2014**: 12th Biennial Scientific Conference on the Greater Yellowstone Ecosystem, Mammoth Hot Springs, Yellowstone National Park, Wyoming. The Greater Yellowstone biennial scientific conference series, initiated in 1991, encourages awareness and application of wide-ranging, high-caliber scientific work on the region’s natural and cultural resources. These conferences, with the active involvement of professional societies and other institutions, provide a much-needed forum for knowledge-sharing among hundreds of researchers, park managers,
and the general public. They attract world-class speakers and are interdisciplinary by design.  
http://go.nps.gov/gyescienceconference

TRAINING AND COURSE OPPORTUNITIES

Flathead biological station offers summer courses
The University of Montana’s Flathead Lake Biological Station will host immersion-based, rigorous field-oriented classes during summer session 2014. Classes will be offered June 16 through Aug. 8. Course fees for residents and nonresidents are $440 per credit. The Final amount owed is based on the number of credits you elect to take. For complete information and online registration, click here:  http://www2.umt.edu/flbs/Education/SummerSession.aspx

July 28 - Aug 1, 2014: Sediment Transport in Stream Assessment and Design, Logan, UT. Cost: $1850 ($1600 Early Bird Special if Registered Before June 1st). This course is intended for those who wish to understand and apply the principles of sediment transport to alluvial channel assessment and design. Principles of open channel flow and sediment transport are combined with watershed-scale, hydrologic and sediment source analysis to place channel assessment and design in the appropriate context. Threshold and alluvial channel design methods are presented along with guidelines for assessing and incorporating uncertainty. The course balances advance reading, lecture, field work, and hands-on exercises for estimating sediment supply, calculating sediment transport rates, and forecasting channel response to water and sediment supply. This course is intended for participants who are familiar with basic principles of river geomorphology.  https://cnr.usu.edu/streamrestoration/htm/course-information/

STUDENT OPPORTUNITIES

University of Idaho Apply now for a Semester in America’s Wildest Classroom  Semester in the Wild combines upper-division science learning, leadership, environmental literature and writing while living in the Frank Church River of No Return Wilderness. Students learn the ecological and social relationships in nature through hands-on investigation and writing, while building leadership skills and personal understanding. This limited-enrollment experience unites students from across the country to live, learn and grow together in America’s Wildest Classroom. Preferential enrollment is open through April 11. For more information and to enroll, go to www.uidaho.edu/wild

University of Montana’s Wilderness and Civilization Program is accepting applications for 2014-2015
Wilderness and Civilization is an inspiring and demanding campus- and field-based academic program. Each year, a small group of students from around the country explore the human-nature relationship and wilderness issues in this semester-plus program. Coursework is interdisciplinary, and the program combines the strengths of classroom and field learning, small class size, dedicated faculty, and internship experience. Learn more here: http://www.cfc.umt.edu/wc/

JOB OPPORTUNITIES

Botany Program Manager, MT Natural Heritage Program, Helena, MT (closes 5/15/2014)

Supervisor - Forest Management Division, Colorado State Forest Service, Fort Collins, CO (closes 5/9/2014)

Air Quality Specialists, Center for Environmental Management of Military Lands (CEMML), Patrick AFB, FL and Joint Base San Antonio, TX (closes 4/20/2014)

Clean Water Act Compliance Specialist, Center for Environmental Management of Military Lands (CEMML), Patrick AFB, FL and Joint Base San Antonio, TX (closes 4/20/2014)

Assistant Professor in Tourism Management, Colorado State University, Department of Human Dimensions of Natural Resources, Fort Collins, CO (closes 4/16/2014)  Assistant Professor - Structural Geology, Department of Geosciences, Colorado State University, Fort Collins, CO (closes 4/11/2014)
Assistant/Associate Professor of Environmental Engineering, Department of Civil Engineering, Montana State University, Bozeman, MT (screening will begin 3/31/2014; applications will be accepted until 4/15/2014)

Director of American Indian Student Services, University of Montana, Missoula, MT (closes 4/13/2014)

Historic Preservation Outreach Coordinator, Center for Environmental Management of Military Lands (CEMML), Hill Air Force Base, UT (closes 4/13/2014)

For details on job opportunities visit [http://www.cfc.umt.edu/cesu/Postings/Jobs.php](http://www.cfc.umt.edu/cesu/Postings/Jobs.php)

**MEETINGS OF INTEREST**


June 15-20, 2014: Challenges and Opportunities in (1) Genetics of Five-Needle Pines and (2) Rusts of Forest Trees Research: Conservation, Evolution and Sustainable Management in a Changing Climate, Fort Collins, CO. This IUFRO Joint Conference will bring together scientists working with Genetics and Conservation of White Pine Species (5 needle pines) and those working with Rusts of Forest Trees. Great changes/advances have happened since each of these groups last meet (e.g. genome sequencing, gene conservation efforts, rust resistance advances), so it is extremely timely to bring each of these groups together. In addition, the conference includes two fieldtrips to see some unique forest ecosystems in the Rocky Mountains.[http://www.westernforestry.org/Events/conference/five-needle-pines-and-rusts-2014/](http://www.westernforestry.org/Events/conference/five-needle-pines-and-rusts-2014/)

June 9-13, 2014: The 20th International Symposium on Society and Resource Management (ISSRM), Leibniz University in Hannover, Germany. ISSRM is the premier scientific meeting for academic and government researchers, students, agency scientists, land managers, NGO representatives, and other individuals who are broadly interested in the human dimensions of natural resource management issues. [http://www.issrm2014.iasnr.org/](http://www.issrm2014.iasnr.org/)


If you would like to post an announcement in the next RM-CESU Newsletter or on the website, please contact the RM-CESU Coordinator at rmcesu@cfc.umt.edu.