RM-CESU NEWS & EVENTS


Mountain National Park boasts one of the most expansive areas of alpine terrain in the United States as well as beautiful forests and mountain meadows. To better understand, appreciate and protect this national treasure, the National Park Service, and National Geographic Society are teaming up to host a 24-hour BioBlitz species count and a two-day Biodiversity Festival, Aug. 24-25, 2012.

Part scientific endeavor, part festival and part outdoor classroom, the BioBlitz will bring together 200 leading scientists and naturalists from around the country, thousands of local citizens of all ages and nearly 1,000 students from around the state. Together they will comb the park, observing and recording as many plant and animal species as possible in 24 hours.

Inventory activities include counting elk, catching insects, spotting birds, exploring and examining aquatic invertebrates and using technology to better understand the diverse ecosystems of this unique national park.

In this extraordinary experience open to the public, participants are invited to work with experts to count, map and learn about the park’s diverse organisms, ranging from microscopic bacteria to towering pines. To be part of an inventory team, you must register online beginning Wednesday, July 25. While children ages 8 and older may participate in inventory teams with their parents, there will also be age-appropriate activities for younger kids at the Biodiversity Festival to be held at the Estes Park Fairgrounds, 1209 Manford Avenue.

The Biodiversity Festival, which will run from 9 a.m. to 5 p.m. on Friday and Saturday, Aug. 24 and 25, will feature music, live animals, science demonstrations, hands-on activities provided by prominent science and environmental organizations, food and art. This free event is open to “explorers” of all ages. Members of the public can even “graduate” from Biodiversity University by participating in select activities. No registration is required for the festival. For a schedule of events, go to www.nationalgeographic.com/bioblitz.
National Park Service Director Jonathan B. Jarvis, who is scheduled to attend, said, “The BioBlitz offers each of us, especially young people, the opportunity to discover and connect to nature. I can’t think of a better way to celebrate the National Park Service’s 96th birthday on Aug 25!”

Rocky Mountain National Park Superintendent Vaughn Baker said, “This will be a great family event, and we invite everyone who knows Rocky, or wants to know the park better, to get involved. There is amazing biodiversity that exists within the park and in our own backyards. We hope locals and visitors will participate in this one-of-a-kind opportunity to connect even deeper with this special place.”

“We expect to reach new heights at Rocky,” said John Francis, National Geographic’s vice president of Research, Conservation and Exploration. “We will have leading scientists from around the country and the region to help citizens explore the park like never before. One of our BioBlitz scientists, Dr. William Miller, just published about a new species he discovered at the Biscayne BioBlitz in 2010. We look forward to working with Dr. Miller, other amazing scientists and the public to make new discoveries — personal and perhaps scientific — and appreciate the rich biodiversity in the park and our own backyards.”

The Rocky Mountain National Park BioBlitz has been made possible through the generous support of foundations, corporations, and partnerships, including the Rocky Mountains CESU.

Glacier National Park’s Wilderness Champion, Kyle Johnson, receives National Award

Kyle Johnson, the Wilderness Specialist at Glacier National Park, was presented with the Director’s Wes Henry National Excellence in Wilderness Stewardship Individual Award for 2011 for his significant and long-term contributions to Wilderness, in the park, in the region, and in the nation. For over a quarter of a century, Kyle has worked as a stalwart protector of Glacier’s wilderness. Kyle’s accomplishments include: developing and updating the park’s well-respected, often imitated wilderness management plan; establishing the park’s minimum tool decision guide; developing and managing the park’s innovative backcountry volunteer program; creating a unique and successful wilderness ranger internship program with the University of Montana; and developing and instructing various wilderness training, including RM-CESU Wilderness Stewardship in the Rockies. The list goes on and on. Many present and future wilderness leaders and managers have been positively impacted by Kyle’s efforts.

Congratulations Kyle on the Wes Henry Award
Nitrogen pollution changing Rocky Mountain National Park vegetation, says CU-Boulder study

A new study led by the University of Colorado Boulder indicates air pollution in the form of nitrogen compounds emanating from power plants, automobiles and agriculture is changing the alpine vegetation in Rocky Mountain National Park.

The emissions of nitrogen compounds to the atmosphere are being carried to remote areas of the park, altering sensitive ecosystems, said CU-Boulder Professor William Bowman, who directs CU-Boulder's Mountain Research Station west of Boulder and who led the study. "The changes are subtle, but important," he said. "They represent a first step in a series of changes which may be relatively irreversible."

In other regions of the world, higher amounts of nitrogen pollutants correlate with decreased biodiversity, acidified soils and dead stream organisms like trout, said Bowman. "There is evidence that indicates once these changes occur, they can be difficult if not impossible to reverse. It is best to recognize these early stages before the more harmful later stages happen."

The study site was an alpine meadow roughly one mile east of Chapin Pass in the Mummy Range of Rocky Mountain National Park. Bowman and his team analyzed the plant communities and soils under ambient levels of nitrogen deposition and compared them to plots with added nitrogen to simulate the increasing atmospheric nitrogen pollution expected in the coming decades. The results indicated changes in plant abundances already were occurring under ambient conditions, but to date no changes in soils were detected.

During the course of the three-year study, rising levels of nitrogen in the soils correlated with large increases in a common species of sedge shown to flourish in other nitrogen addition studies. Bowman said the team anticipates that the diversity of vascular plant species will rise with increasing nitrogen deposition, then decrease with more rare species being excluded by competition from other plant species. "While the changes are relatively modest, they portend that other more environmentally adverse impacts may be on the horizon in Colorado's alpine areas," said Bowman.

A paper on the subject was published in the June issue of the Journal of Environmental Management. Co-authors on the study included John Murgel, a former CU-Boulder undergraduate student now completing graduate work at Colorado State University, and Tamara Blett and Ellen Porter of the Air Resources Division of the National Park Service in Lakewood, Colo. The study was funded by the National Park Service.

Previous studies by Bowman and others have shown vegetation changes and soil acidification has been occurring due to increasing nitrogen deposition at other alpine sites in Colorado, including Niwot Ridge.
Niwot Ridge is a National Science Foundation-funded Long-Term Ecological Research site administered by CU-Boulder and located adjacent to the university's Mountain Research Station located some 30 miles west of the city.

Given the projected population growth in Front Range cities in the greater Denver area and increasing agricultural development, nitrogen deposition is expected to increase steadily in Rocky Mountain National Park over the next several decades, said Bowman, a professor in CU-Boulder's ecology and evolutionary biology department.

The high-elevation ecosystems of the park are a magnet for thousands of visitors each year who have opportunities to see plants and animals well adapted to the severe climate above treeline, said Bowman, but such ecosystems are the most sensitive to adverse impacts from air pollutants. Previous studies by other researchers have documented ongoing changes in the algae found in several of the Rocky Mountain National Park's high elevation lakes due to nitrogen pollution, he said.

While the park is also a haven for fishermen hoping to catch trout in pristine waters, continued inputs of nitrogen pollutants are a hazard to the health of both trout and their food sources, said Bowman, also a fellow of CU-Boulder's Institute of Arctic and Alpine Research. It starts when the ability of the land plants and soils to take up the nitrogen is exceeded, causing soils to become acidified, he said.

Other parts of the Colorado Front Range have exhibited signs of acidification at the highest elevations, Bowman said. "Once this happens, soluble aluminum leaches from soils and begins to show up in streams and lakes. This aluminum is quite toxic to many aquatic animals," he said.

"The take-home message is that the amount of nitrogen deposition reaching the tundra in Rocky Mountain National Park has already passed an important threshold and may lead to more serious environmental impacts," said Bowman. "It's not inconceivable that continued negative ecological impacts in the park due to nitrogen pollution could eventually impact tourism in Colorado."

Officials from Environmental Defense and Trout Unlimited petitioned the State of Colorado and the Environmental Protection Agency to reduce emissions of nitrogen pollution in 2004. This effort resulted in a 2007 plan to lower nitrogen emissions on a voluntary basis to reduce impacts to Rocky Mountain National Park.

Excel Energy's recent switch to natural gas in some of its power plants is one of many steps toward limiting nitrogen emissions, said Bowman. Ongoing efforts by air quality managers and representatives from the Colorado agricultural industry are also working on management practices that would lower nitrogen emissions.
PARTNER NEWS & EVENTS

Announcements:

**Salish Kootenai College**

**Tribal Historic Preservation Major at SKC**

Salish Kootenai College is introducing an exciting new major this fall. Beginning in September, SKC will offer an Associates of Arts and a Bachelors of Arts in Tribal Historic Preservation, the first of its kind in the nation. The THP curriculum is a unique, multidisciplinary program based in Native American studies, Anthropology, History and Native Language Studies. Courses include numerous offerings in Native American arts, crafts, oral tradition, culture, tradition, language and technologies emphasizing the importance of American Indian heritage, stewardship and historic preservation and will emphasize hands-on experience in collections management, cultural resource management, archaeological analyses, historic preservation law, conservation, fieldwork, exhibit design and historic research.

SKC is one of the largest and most diverse tribal colleges in the nation (SKC enrolled students from 69 federally recognized tribes in the 2011-2012 academic year) and the THP program will play a pivotal role in training the next generation of highly trained, community-based historic preservation professionals.

**Utah State University**

**NSF provides $20 million to strengthen Utah's research infrastructure**

The National Science Foundation has awarded Utah a five-year, $20 million competitive grant to help manage and protect one of the state's most valuable and scarce resources, water.

The grant funds a statewide effort to assist in building the human and research infrastructure needed to sustainably manage Utah's waters. The award, which went into effect July 1, 2012, creates iUTAH, which stands for innovative Urban Transitions and Aridregion Hydro-Sustainability.

"Utah State University is excited to be leading this initiative to strengthen the research infrastructure across the State," said Stan Albrecht, president of USU. "The results from iUTAH will have a dramatic impact on the way we understand and respond to the changing water resource availability in Utah." Read more at [http://www.usu.edu/ust/index.cfm?article=51381](http://www.usu.edu/ust/index.cfm?article=51381)
University of Wyoming

**UW Receives Biggest-Ever Research Grant to Study Water**  
A plan to research what may be the single most important set of issues for Wyoming and the Intermountain West has brought the University of Wyoming the single largest grant in its history.

The $20 million, five-year grant from the National Science Foundation (NSF) to Wyoming’s EPSCoR (Experimental Program to Stimulate Competitive Research) office will set the stage for wide-ranging research into one of the state’s precious resources: water.

This highly interdisciplinary award, bringing together researchers and educators from four UW colleges and 11 departments, is led cooperatively by three principal investigators: Anne Sylvester, a professor in Molecular Biology; Steve Holbrook, professor in Geology and Geophysics; and Scott Miller, an associate professor in Ecosystem Science and Management. Read more at  
http://www.uwyo.edu/uw/news/2012/07/uw-receives-biggest-ever-research-grant-to-study-water.html

University of Montana

**New issue of the Flathead Lake Journal is now available**  
The Flathead Lake Journal (FLJ) provides a review of ongoing research, educational activities and current events at the Flathead Lake Biological Station of The University of Montana.  
http://www2.umt.edu/flbs/Community/FLJournal.aspx

National Park Service

**Basin Bulletin Summer/Fall 2012, the Newsletter for the NPS Upper Columbia Basin I&M Network, is out.** Take a few moments to read about the different activities happening at the parks, and other updates/news for the network here:  
http://www.cfc.umt.edu/CESU/NEWCESU/Assets/Postings/UCBN_SummerNewsletter_20120710.pdf

Dr. Dave Theobald is the new NPS I&M Group Leader in Fort Collins, CO

The Natural Resource Stewardship and Science I&M Division is pleased to announce that Dr. David Theobald will start his new job with the NPS Inventory & Monitoring (I&M) Program on September 10, 2012 as the I&M Group Leader in Fort Collins, CO. Dave is currently a research scientist with the Department of Fish, Wildlife, and Conservation Biology at Colorado State University. He has a Ph.D. in Geography from the University of Colorado, and has taught courses and advised graduate students and post-docs on geographic information systems and science, the spatial analysis of protected areas, and applications of landscape ecology. He has published more than 70 scientific papers that involved geospatial and other data analysis and modeling at multiple scales, plus more than 90 additional reports and documents intended for a broader audience, particularly land managers.

Dave has been a key collaborator with the I&M and Water Resources Divisions for many years, and he was specifically recognized by the NPS for his contributions and expertise when the I&M Program recently received the Distinguished Landscape Practitioner award for "significant contributions in the applications of landscape ecology to real-world problems" from the International Association for Landscape Ecology. The team of I&M staff, contractors, and students that Dave will lead has an emphasis of "turning data into information" to address specific park management and planning needs.
Calendar of Events:

September 14-16, 2012: Rocky Mountain Interdisciplinary History Conference (RMIHC), University of Colorado Boulder. The Rocky Mountain Interdisciplinary History Conference (RMIHC) is a unique conference planned and organized by the University of Colorado's history graduate students. RMIHC seeks graduate students from the humanities, arts, and social sciences to create an informed discourse on the past and chart its impact on the present. The principle goal of the conference is to provide graduate students with the opportunity to present their original work among their peers in an atmosphere that is both professional and congenial. The interdisciplinary nature provides outstanding opportunities for students to engage in cross-disciplinary dialogue and to network with fellow graduate students from across the country. Past participants have come from fields as diverse as history, political science, art history, philosophy, anthropology, comparative literature, and theater. [http://www.colorado.edu/Conferences/RMIHC/RMIHC/Home.html](http://www.colorado.edu/Conferences/RMIHC/RMIHC/Home.html)

September 20-22, 2012: 39th Annual Montana History Conference, Helena, MT. 2012 marks the 150th anniversary of America's first Homestead Act. Born of the same political discord that led to the Civil War and signed into law by President Abraham Lincoln during the early years of that conflict, the act provided for the transfer of 160 acres of public land to each homesteader upon payment of a nominal filing fee and five years of "proving up." The original proponents of the Homestead Act envisioned the settlement of the West by individual farmers with an almost utopian fervor, and today, our cultural mythology most often portrays homesteading as a symbol of the most American of ideals. [http://mhs.mt.gov/museum/historyconference2012.asp](http://mhs.mt.gov/museum/historyconference2012.asp)

September 24-27, 2012: "The Nation Possessed: The Conflicting Claims on America's Public Lands," University of Colorado Boulder, Boulder, CO. Presented by The Center of the American West and the Publics Land Foundation, The Nation Possessed is comprised of both free public events and a paid conference. The paid portions include the Symposium and the Round Table and all public events. [http://centerwest.org/events/the-nation-possessed/](http://centerwest.org/events/the-nation-possessed/)

September 24-27, 2012: Pathways to Success Conference & Training: Integrating Human Dimensions into Fish and Wildlife Management, Breckenridge, CO. The intent of this conference is to provide a forum where scientists and practitioners can address a wide variety of topics that are critical to the state of the human dimensions of fish and wildlife profession. [http://www.hdfwconference.org/](http://www.hdfwconference.org/)

September 27-28, 2012: 3rd Annual Conference Roundtable on the Crown of the Continent, Fernie Mountain Lodge, Fernie, BC, Canada. The Roundtable on the Crown of the Continent organizes and convenes an annual conference to connect people and organizations that are passionate about the future of this 18 million acre landscape. The annual conference provides an opportunity to communicate (share information and lessons learned), connect (build and strengthen relationships), and catalyze action on topics of shared interest. The annual conference is open to all interests, communities, and perspectives. [http://www.crownroundtable.org/conference_pages/conference.html](http://www.crownroundtable.org/conference_pages/conference.html)

October 1-2, 2012: Pacific Northwest Climate Science Conference, Boise, ID. This conference provides an annual forum to exchange scientific results and policy and management options related to climate change and climate impacts research focused on the Pacific Northwest. The conference attracts a wide range of interested participants, including policymakers, resource managers, public agency staff, NGO personnel, and agency and university scientists. [http://pnwclimateconference.org/](http://pnwclimateconference.org/)

trip will be held in the area on Wednesday, October 10. Organized by Montana AWRA and MSU’s Montana Water Center. The submission deadline is Friday, June 22. http://water.montana.edu/awra/

March 11-15, 2013: 2013 George Wright Society Meeting, Denver, CO. Every two years, the George Wright Society organizes the USA’s premier interdisciplinary professional meeting on parks, protected areas, and cultural sites. Call for Proposals due October 1, 2012. http://www.georgewright.org/gws2013


STUDENT OPPORTUNITIES

Call for Proposals for the Whitebark Pine Student Research Grant The mission of the Whitebark Pine Ecosystem Foundation (WPEF) is to "promote the conservation of whitebark pine and other high elevation five needle white pine ecosystems through education, restoration, management, and research." In support of this mission, the WPEF will be offering a research grant of $1000 to an undergraduate (writing an undergraduate thesis) or graduate student (MS or PhD) conducting research on whitebark pine. Relevant areas of research include, but are not limited to: threats to whitebark pine, including mountain pine beetle, white pine blister rust, successional replacement, and climate change (only in whitebark ecosystems); interactions with wildlife, such as Clark’s nutcracker or other birds, red squirrels and grizzly bears; restoration strategies for whitebark pine, including both field operations and nursery seedling production; and ecosystem level impacts of whitebark pine die off. Application materials due 8/31/2012. http://www.cfc.umt.edu/CESU/NEWCESU/Assets/Postings/2012/Whitebark%20Pine%20Student%20Research%20Grant.pdf

TRAINING AND COURSE OPPORTUNITIES

UW’s Ruckelshaus Institute Offers Trainings In Natural Resource Decision-Making Communications
The University of Wyoming’s Ruckelshaus Institute of Environment and Natural Resources offers trainings designed for natural resource professionals. Current workshop includes:
- August 14, 2012: Introduction to Collaborative Natural Resource Decision Making, Cody, WY ($175)
  In this one-day, interactive course you will develop an awareness of the many facets of collaborative decision making. You will learn how to organize collaborative processes that are decision-focused and engage the public in meaningful ways. Concepts and skill development will be centered on planning and organizing collaborative, community processes around contentious natural resource issues. This training exposes those new to collaborative processes to the broad range of concepts and skills that one must have to effectively manage public involvement in natural resource issues. http://www.uwyo.edu/enr/ruckelshaus-institute/events-trainings/summer-workshop-series/intro-collaborative-decisions.html

The University of Montana’s NRSM 405 Managing the Wilderness Resource (4 credits Undergraduate)/NRSM 561 Managing Wilderness Ecosystems (4 credits Graduate) will be offered online with a facilitated discussion group led by instructor Kari Gunderson. Invited guest instructors may include Carhart Wilderness Training Center staffs, academics, and working wilderness managers. The online format enables students to work through the course efficiently while benefiting from discussion with other students, agency managers, and academics. In this course you will study ecosystem characteristics and basic principles of wilderness management. Separate chapters discuss management of specific wilderness resources such as fire, wildlife, cultural and historical sites, etc.: managing non-conforming uses such as...
grazing, mining, and motorized vehicles and equipment and mechanical transport. Also discusses the use of primitive means to achieve management objectives, use of the minimum tool, and no-trace camping methods. Dates: October 1, 2012 thru January 22, 2013 (The course runs for 16 weeks). Registration deadline: Friday, September 21, 2012. The course will be capped at 16 students. For more information (course objectives, costs, books), please see announcement at http://wmdep.wilderness.net/405_561.htm

August 6-10, 2012: 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

September 18-20, 2012: Wetland Restoration Course: Planning for Success, Bozeman, MT. The Montana Water Center will offer a three day course, Wetland Restoration and Management with a Focus on Monitoring for Success. Visit the Montana Water Center website, http://watercenter.montana.edu/training/wetlands/default.htm, for more information about this course and registration options as it becomes available.

October 5-7, 2012: 3 Day Workshop: Conservation Ethics, University of Montana, Missoula, MT. Aimed at graduate students and practitioners in natural resource sciences, this 3-day intensive workshop is an opportunity to learn about the interface between science and conservation ethics from one of the best working teams of conservation practitioners around, Michael P. Nelson and John A. Vucetich. The workshop is offered through the Mansfield Ethics and Public Affairs Program at The University of Montana. The workshop is available to take for UM credit or as a professional workshop. Space is limited to 20 participants. http://www.umt.edu/ethics/ConservationEthics/default.aspx

October 22-25, 2012: Interagency Wilderness Interpretation and Education Workshop, Estes Park, CO. How can celebrating the 50th anniversary of wilderness in 2014 connect people to Parks, Forests, Refuges, and National Landscape Conservation Lands? If people don’t go to wilderness, why do they care about it? What role does wilderness play in landscape scale conservation? If you want answers to these questions and to learn how you can use momentum afforded by the 50th anniversary to advance your unit goals, and address your wilderness issues, then this 2 1/2 day tuition-free workshop is for you! Learn how you can use your skills and that of other participants to develop strategies for interpreting, communicating, and educating internal and external audiences about the values and benefits of America’s wilderness heritage in a changing world. (registration open until September 3) http://www.wilderness.net/index.cfm?fuse=NWPS&sec=courseDetail&courseID=196

October 23-25, 2012: Partnering with Beaver in Restoration Design Workshop, Logan, UT. Cost: $1,000. This 3-day workshop is intended for resource managers, restoration practitioners, researchers and others interested in the use of beaver for restoring rivers and/or streams. Participants will come away with a) an appreciation of beaver ecology and the complex feedbacks between beaver activity, hydrogeomorphic responses, riparian vegetation and fish ecology; b) knowledge of past and ongoing
restoration projects using beaver; c) a working understanding of considerations in restoration designs using beaver; d) an introduction of how to develop dynamic designs utilizing beaver; and e) how to manage public expectations regarding potential restoration responses involving beaver. The workshop will include field trips to a number of active local beaver colonies, hands-on design exercises, and some interactive lectures and discussions. https://cnr.usu.edu/streamrestoration/htm/course-information/#beaver

RESEARCH/FUNDING OPPORTUNITIES

The DoD Legacy Resource Management Program Request for Pre-Proposals has been released for FY13 The primary objective of the DoD Legacy Program, in support of DoD’s Natural Resources Program and DoD’s Cultural Resources Program, is to enable the military mission while promoting long-term stewardship of its natural and cultural heritage. The official Request For Proposals (RFP) memo, Areas of Emphasis, and Final Schedule for Proposal may be viewed here: https://www.dodlegacy.org/Legacy/intro/guidelines.aspx. Pre-proposals are DUE NO LATER THAN AUGUST 30, 2012.

Advance Notice 2013 Joint Fire Science Program (JFSP) Potential Research Topics Notice of Intent (NOI) announcing potential JFSP topics for the FY13 announcement is now posted here: http://www.firescience.gov/documents/FON_2013.pdf. Investigators should not contact the Program Office or Governing Board for further information on these topics, and that no further information will be known or released until the Funding Opportunity Notice is formally posted around October 1, 2012.

National Science Foundation-Paleo Perspectives on Climate Change program Funding Opportunity Number: 10-574 The National Science Foundation's Paleo Perspectives on Climate Change program utilizes key geological, chemical, and biological records of climate system variability to provide insight rates of change that characterized the Earth's historical climate variability, the responses of key Earth system components, and the sensitivity of the Earth's climate system to forcing changes. The scientific objectives of this program are to 1) provide comprehensive paleoclimate data sets that can serve as model test data sets analogous to instrumental observations; and 2) enable transformative syntheses of paleoclimate data and modeling outcomes to understand the response of the long-term variability of the Earth's climate system. The NSF is expecting to award 35 grants, ranging between $20K and $1 Million. Eligibility: Unrestricted; Application deadline is 5pm (proposer's local time) on October 18, 2012 http://www07.grants.gov/search/search.do;jsessionid=p6nzP5tVyVmyQnLJ76yQG6836FQmVR5c1JkRwvQcHTZ4YM3bgJLL3i712472910?oppId=55215&mode=VIEW

Department of Commerce: National Oceanic and Atmospheric Administration (NOAA) Climate Program Office (CPO) This summer (2012), NOAA's Climate Program Office will be releasing a Federal Funding Opportunity focusing on climate science, assessments, decision support research, outreach, education, and capacity building. In FY12, approximately $15.5 million in funding was available to support projects focusing on CPO’s four major programs: 1) Climate Observations and Monitoring, 2) Earth System Science, 3) Modeling, Analysis, Predictions, and Projections, and 4) Climate and Societal Interactions. Interested applicants should check back in with CPO’s website for further information regarding this funding opportunity. CPO grants website: http://www.cpo.noaa.gov/index.jsp?pg=/opportunities/opp_index.jsp&opp=grants
JOB OPPORTUNITIES

**Assistant Professor of Human Dimensions of Natural Resources**, Warner College of Natural Resources, Colorado State University, Fort Collins, CO (Applications must be submitted by 10/1/2012; The position will begin in August 2013)

**Assistant Professor of Geography**, Department of Earth Science, Montana State University, Bozeman, MT (screening begins 09/17/2012; The position will begin in August 2013)

**Assistant or Associate Professor, Natural Resources & Environmental Law**, University of Montana, Missoula, MT (screening begins 9/15/2012)

**Dean, College of Science**, University of Idaho, Moscow, ID (screening begins 09/4/2012)

**Senior Geologist, Idaho Geological Survey**, stationed at the University of Idaho, Moscow, ID (closes 9/1/2012)

**Archeologist**, Bureau of Land Management, Elko Field Office, Elko, NV (closes 8/16/2012)

**Three (3) postdoctoral research positions, Wyoming Center for Environmental Hydrology and Geophysics (WyCEHG)**, University of Wyoming, Laramie, WY (Review of applications will begin on 8/15/2012)

**Wildlife Biologist**, MT Fish Wildlife, & Parks, Bozeman, MT (closes 8/10/2012)

**Archeologist**, National Park Service, Bryce Canyon, UT (closes 8/9/2012)

**Environmental Science Senior Water Quality Planner**, Montana DEQ, Helena, MT (closes 8/6/2012)


**Postdoctoral Research Associate in geophysics**, Department of Geology and Geophysics, University of Wyoming, Laramie, WY (Review of applications will begin on 8/5/2012)

**Dean, College of Letters and Science**, Montana State University, Bozeman, MT (For full consideration, materials should be provided by 8/1/2012)

For details on all opportunities visit [http://www.cfc.umt.edu/CESU/NEWCESU/Postings/default.htm](http://www.cfc.umt.edu/CESU/NEWCESU/Postings/default.htm) and click on “Jobs”.

MEETINGS OF INTEREST


**August 19-23, 2012: Annual Meeting of the American Fisheries Society**, St. Paul, MN. The 2012 AFS Annual Meeting will bring professionals together to network and share knowledge in fisheries science and management. Speakers will present a broad range of Fisheries topics at the plenary session, technical symposia and poster session as well as in continuing education courses. [http://afs2012.org/](http://afs2012.org/)

**September 24-28, 2012: Aerosol and Atmospheric Optics: Visibility and Air Pollution Conference**, Whitefish, MT. This international conference will provide a technical forum on advances in the scientific...
understanding of the effects of aerosol on urban, regional, continental and global scale haze and radiation balance. The conference will specifically address: emission sources, atmospheric conditions and aerosol characteristics associated with haze and aerosol urban visibility; regional haze; climate forcing; innovative aerosol, haze and radiation balance monitoring assessments and modeling methods; and urban and regional haze and aerosol climate forcing policy, regulatory, and economic issues related to implementation of U.S. EPA standards and rules, including the adopted emissions controls in state and EPA permits, rules, and implementation plans for the Regional Haze Rule and the expected impact of the anticipated PM Visibility and SO2/NOx Secondary Standards.  http://visibility.awma.org/


October 1-2, 2012: 3rd Annual Pacific Northwest Climate Science Conference, Boise, ID. http://pnwclimateconference.org/call-for-special-sessions.html


November 17-19, 2012: 4th International Conference on Science in Society, University of California, Berkeley. This conference addresses the social impacts, values, pedagogies, politics and economics of science. It is an inclusive forum that welcomes a breadth of perspectives on science from practitioners, teachers and researchers representing a wide range of academic disciplines. http://science-society.com/conference-2012/


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.