Two graduate student positions available for interdisciplinary Communities and Forests in Oregon (CAFOR) Project: University of Colorado and University of New Hampshire

University of Colorado, Boulder.
A PhD or MS position available beginning fall 2014 in the **Environmental Studies Program** (http://envs.colorado.edu) with two years of funding guaranteed to develop a dissertation/thesis related to the CAFOR project (see below for project description). The position involves development and analysis of a survey of local residents and integration with environmental data. Though the student will be located in Boulder, s/he will need to work closely with the University of New Hampshire research team and research collaborators in Oregon.

The successful applicant will have a strong interest in human-environment interactions and have experience with GIS and statistical analysis. The applicant must be willing to spend up to three months in the summer 2015 in eastern Oregon conducting field work. Undergraduate research or other relevant experience is preferred. Applicants should be highly motivated, organized, willing to travel, willing to engage with local stakeholders, and able to work both independently as well as within a team.

Deadlines for fall 2014 applications to the Environmental Studies Program: December 1, 2013 for International Students; December 23, 2013 for all others; January 6, 2014 for all recommendations. Additional information can be found at http://envs.colorado.edu/grad_program/C30/How%20to%20Apply/. In addition, please send a letter of interest, curriculum vitae, unofficial transcripts, and any relevant materials to joel.hartter@unh.edu. Position is with Dr. Joel Hartter (http://envs.colorado.edu/people/Cxx/faculty_details/hartter_joel/) and co-advised by Larry Hamilton (http://pubpages.unh.edu/~lch/).

The University of Colorado at Boulder (www.colorado.edu) is a research intensive university with over 30,000 students. Located at the edge of the Front Range, and only a short drive from Denver, Boulder boasts unprecedented recreational opportunities.

University of New Hampshire, Durham.
A PhD or MS position available beginning fall 2014 in the **Department of Natural Resources and the Environment** (www.nre.unh.edu/) and the **Earth Systems Research Center** (www.esrc.sr.unh.edu) with two years of funding guaranteed to develop a dissertation/thesis related to the CAFOR project (see below for project description). The position involves the characterization forest biometric properties using field data and remotely sensed image data. The remote sensing platforms will include unmanned aerial vehicles (UAV), airplane, and satellite sensors. Extensive field work is a requirement of the position.

The successful applicant will need to work closely with the University of Colorado research team and with researchers from the Carsey Institute

(www.carseyinstitute.unh.edu) in support of an interdisciplinary research effort. The successful applicant will have a BS in forestry, environmental science, or a closely related field. Desirable skills include programming, GIS, understanding of remote sensing analysis techniques, and statistics, along with previous experience conducting fieldwork.

The application process for the M.S. program in Natural Resources and the Ph.D. program in Natural Resources and Earth Systems Science (NRESS) can be found at www.gradschool.unh.edu. Additional information on the M.S. program can be found at www.nre.unh.edu, and on the Ph.D. program at www.unh.edu/nressphd. Although the M.S. program employs rolling admissions, candidates at either level should apply before the Ph.D. program deadline of January 15, 2014.

In addition, please send a letter of interest, curriculum vitae, unofficial transcripts, and any relevant materials to mark.ducey@unh.edu. Position is with Drs. Mark Ducey (http://nre.unh.edu/faculty/ducey) and Michael Palace (http://www.eos.unh.edu/Faculty/mpalace).

The University of New Hampshire is a research intensive university that retains the look and feel of a New England liberal arts college with 15,000 students. UNH (www.unh.edu) is located in the Seacoast of NH, making it 20 minutes from the Atlantic Ocean and 1 hour from the White Mountains. Durham boasts a high quality of life, with endless recreation opportunities for hiking, paddling, climbing, surfing, and cycling. It is connected to Boston and Portland via Amtrak.

Communities and Forests in Eastern Oregon (CAFOR) Project:
Both positions are part of the Communities and Forests in Oregon (CAFOR) project funded through the USDA. We examine how landowners manage for climate change and perceive its risks, and the potential for adaptation and mitigation within the future range of variation in a rural, resource-dependent region – the Blue Mountains Province of eastern Oregon. We will examine working landscapes that have historically been tied to extractive industries of food and fiber along a spectrum of social and ecological change trajectories. We hypothesize that in forest-dependent working landscapes of the American West public perceptions and the characteristics of stakeholders directly impact the ecological capacity to adapt to climate changes. We use an interdisciplinary, multi-scale approach combining remote sensing, ecological sampling, and stakeholder surveys. We focus on the dynamic feedbacks between landscape changes and how people respond to risks associated with climate change, exploring how perceptions about climate interact with adaptation strategies. Through stakeholder involvement we will estimate the capacity for adaptive management, key sensitivities of lands and their managers to climate changes, and pinpoint locales of high vulnerability to develop targeted education and extension programs. We will create and reinforce cross-cutting programs that involve educators, community members and students at multiple levels. Ultimately we will serve those that most need information regarding current and future forest conditions and the adaptation needed to respond to changing climate in the Intermountain West.