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## **Postdoctoral Fellow in Mountain Social-Ecological Systems Modeling**

Natural Resource Ecology Laboratory and Department of Ecosystem Science & Sustainability  
Colorado State University

The Natural Resource Ecology Laboratory and Department of Ecosystem Science & Sustainability at Colorado State University seek candidates for a postdoctoral fellow position for synthesis and modeling of mountain social-ecological systems as part of a NSF-funded research coordination network (RCN). The RCN goals are to (1) expand an international network of linked mountain biophysical and social science researchers and diverse stakeholders; (2) explore and evaluate transdisciplinary modeling frameworks for mountain social-ecological systems; and (3) promote transdisciplinary approaches linking science with policy and practice. The project involves developing and applying geospatial social-ecological datasets and participatory models and conducting synthesis across diverse mountain social-ecological systems. The project is led by Julia Klein (CSU), Anne Nolin (Oregon State University), Catherine Tucker (University of Florida) and Robin Reid (Colorado State University), in collaboration with Adrienne Grêt-Regamey (ETH, Switzerland), Sandra Lavorel (CNRS, France), Birgit Müller (Helmholtz Centre for Environmental Research) and colleagues from the Mountain Sentinels Collaborative Network ([mountainsentinels.org](http://mountainsentinels.org)).

The successful candidate will build and synthesize GIS databases, co-develop future scenarios, design and test social-ecological models across a range of mountain contexts, write synthesis papers and develop visualization tools for relevant stakeholders. The postdoctoral fellow will also develop original research questions related to the project. Travel to, leadership and organization of network workshops and meetings is required.

**Required Qualifications:** Candidates must demonstrate experience and expertise in social-ecological systems modeling; quantitative analyses; and geographic information systems. Evidence of strong organizational and communication skills (both oral and written) is required.

**Desired Qualifications:**

Candidates should exhibit a strong ability to collaborate with an international, transdisciplinary team. Prior experience with stakeholder engagement and transdisciplinary processes is desired as is programming and modeling GIS skills. Familiarity with Bayesian modeling, agent-based or agent functional-based modeling, and participatory modeling is also helpful. Experience in mountain studies is beneficial. A demonstrated record of scholarship and capacity for successful collaborations is valuable. Interest in novel new media tools and innovative ways to communicate results, especially from science and stakeholder perspectives, will also advance network goals.

Salary Range: Salary is commensurate with experience. The initial appointment will be for a one-year period, and will be renewed for up to two years, contingent on satisfactory progress and funding.

A full description of benefits is available at <http://www.hrs.colostate.edu/benefits/>. To apply, submit cover letter, curriculum vitae, and names and contact information for three references to: <http://jobs.colostate.edu/postings/18505>. References will not be contacted without prior approval. For full consideration, apply by April 1, 2016.

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