

1 Ecohydrology of Mountain Meadows

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3 Stanford University's Dept. of Environmental Earth System Science seeks applications
4 for a post-doctoral fellow in ecohydrologic analysis of mountain meadow systems. The
5 project involves development of regional and local-scale hydrologic and hydrogeologic
6 models to better understand plant-water interactions, analyze the influence of climate
7 change and snow accumulation as affected by forest density on downstream water
8 availability, and quantify ecosystem services provided by meadows and surrounding
9 regions. Understanding the impact of climate change on near-surface hydrologic response
10 is a key research goal. The post-doctoral fellow will analyze field data and remote
11 sensing imagery, apply existing hydrologic models, and develop ecohydrologic models to
12 quantify influences on the regional water balance and explore the impacts of climate
13 change on meadow hydrology. Applicants must have a demonstrated ability to generate
14 new research questions, deal with large spatial data sets, and conduct hydrologic
15 modeling investigations.

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17 Stanford University is an equal opportunity employer and is committed to increasing the
18 diversity of its staff. It welcomes nominations of and applications from women and
19 minority groups, as well as others who would bring additional dimensions to the
20 university's research, teaching and clinical missions.

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22 Interested applicants should email a CV, college and graduate transcripts, one relevant
23 publication, a one-page statement of past and present research goals, and the names and
24 addresses of three references to Professor Steven Gorelick (gorelick@stanford.edu) by
25 July 29, 2011.

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