

Research Scientist/Postdoctoral Researcher Opportunity - Carbon cycling in thawing permafrost peatlands

The University of New Hampshire has a Research Scientist II (or Postdoctoral Researcher) opening for a DOE-funded project. The successful candidate will be located in Berkeley, California at the Lawrence Berkeley National Laboratory (LBNL), but will work with project members at multiple institutions on this multi-disciplinary project. The project focuses on the carbon cycle in thawing permafrost peatlands, related plant and microbial processes, and climate feedbacks. The position calls for expertise in numerical methods for land-surface modeling; uncertainty quantification; parameter estimation; and microbial biochemistry, abiotic, and plant processes and interactions.

The successful candidate may focus on several relevant processes, questions, and scales, related to coupled hydrological and biogeochemical dynamics, nutrient and carbon interactions, plant and microbe interactions, and climate feedbacks. We are also interested in developing methods to evaluate, against observations, process-level and emergent model responses, and in developing model benchmarking approaches.

Essential Qualifications:

- Ph.D. in an appropriate discipline;
- Graduate Student or Postdoctoral research experience in ecosystem modeling, with specific modeling skills in coupled hydrological, biogeochemical, and atmospheric processes;
- Excellent written and oral communication skills, including scientific writing and presentation skills;
- Ability to develop, test, run, and analyze multi-scale coupled hydrological and biogeochemical cycle models;
- Good knowledge of site- to watershed-scale hydrological and biogeochemical dynamics;
- Ability to work collaboratively.

To apply, go to this web page: <http://jobs.usnh.edu/postings/24384>

For more information on the position, please contact William Riley (wjriley@lbl.gov).

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