

POSTDOCTORAL RESEARCH POSITION

Center for Ecosystem Science and Society, Northern Arizona University

We seek a Postdoctoral researcher to work on a newly funded project that will couple experimental observations and model predictions of permafrost carbon dynamics and biogeochemical cycling. This exciting project aims to improve understanding and model predictability of one of the most rapidly changing aspects of the terrestrial biosphere, and one that has large implications for climate change. The position will be based in the Center of Ecosystem Science and Society at Northern Arizona University, host to the Permafrost Carbon Network (www.permafrostcarbon.org) and a wide range of ongoing ecosystem studies in the Arctic.

The successful candidate will synthesize observations and analyses from high latitude warming experiments, develop functional benchmarks based on these observations, prepare simulation protocols for an ensemble of land models, evaluate model output and performance, and engage with the modeling community by organizing workshops and regular conference calls. The proposed work will be facilitated by a series of virtual and in-person meetings. Community engagement will be an integral aspect of the proposed work as we will leverage the science community to actively participate and contribute data and model resources throughout the project. The position will provide the successful candidate the opportunity to collaborate with a large international group of observational, experimental, and modeling scientists. The candidate should have prior knowledge and experience in high-latitude processes, experiments, observations, and/or modeling, and a desire to learn new skills.

Minimum qualifications:

- PhD in Earth System Modeling, Ecological Modeling, Biogeochemistry, Ecosystem Ecology, or similar STEM related field.
- A record of published peer-reviewed research in scientific journals
- Programming skills in R, Python, Matlab or similar

Preferred Qualifications:

- Profound knowledge of carbon cycling, permafrost processes, and climate feedbacks
- Experience with managing large datasets and data organization
- Demonstrated ability to analyze and evaluate model output
- Experience and enthusiasm for organizing workshops and meetings (virtual/in-person)
- Good communications skills and excitement for collaboration with an international community
- Ability to work independently and collaboratively

Salary is commensurate with experience, and full health care benefits are provided for individuals and families. Working remotely for this position is an option.

Please send cover letter, names and contact information of 3 references, and CV to: Dr. Christina Schaedel; christina.schaedel@nau.edu. Rolling **application review ending January 20**; position open until filled