We are seeking to fill a Postdoctoral research position in the Center for Ecosystem Science and Society at Northern Arizona University. The successful candidate will participate in research focused on the fate of permafrost carbon in a warming world. The research spans both field work and data synthesis, including a primary field location near Denali National Park and Preserve, Alaska. The experimental research foci are (1) net ecosystem carbon exchange (eddy covariance) from a gradient of sites undergoing permafrost thaw, and similar measurements in (2) a long-term experimental manipulation of permafrost thaw and water table (autochambers). Data from this site will be actively integrated by the candidate with a larger network of carbon flux measurements in order to develop an updateable time series of ecosystem exchange measurements across the permafrost region. The postdoc will spend a portion of time during the field season in Alaska, with winters spent in Flagstaff, AZ on data synthesis and networking. Please send cover letter including the names/contact of 3 references and CV to: Dr. Ted Schuur; ted.schuur@nau.edu. Application review starting Jan. 15; position open until filled.

The postdoc will play an active role in both the field component of this project and the data synthesis effort. Potential activities include operation and interpretation of eddy covariance and/or autochamber flux measurements, supervising personnel and interfacing with other team members making measurements of isotopes, soils, vegetation, and associated environmental measurements. The postdoc will be expected to organize, analyze, and maintain large data sets generated from a number of sensors and gas exchange measurement systems, and participate in data analysis and publications. Experience with development of databases and web tools, and working with public datasets desirable. Data synthesis includes working with a network of collaborators, helping to organize and run workshops, and synthesizing datasets for publication. This requires excellent communication skills and desire to network and promote the synthesis activity.

Candidates with a background in biogeochemistry, ecosystem ecology, plant or soil science are encouraged to apply. Experience with gas exchange, eddy covariance equipment, Campbell data loggers, R programming, data and metadata processing would be essential. The postdoc will generally spend some portion of time during the field season in Alaska working with the field project, and winters spent in Flagstaff, AZ on networking and data synthesis. Experience with working and living in rugged field conditions is required. Salary is commensurate with experience, and full health care benefits are provided for individuals and families. The position is available for up to 3 years.