Dear Colleagues,

We seek a post-doctoral research scientist to conduct data-informed modeling at experimental and observational sites. We are currently conducting data-model integration for several experimental projects, including Spruce and Peatland Responses Under Changing Environments (SPRUCE) in Northern Minnesota, climate variability at dryland ecotones at Sevilleta long-term ecological research (LTER) site in New Mexico, and US National Ecological Observatory Network (NEON) sites, using Ecological Platform for Assimilating Data into models toward forecasting (EcoPAD). The successful incumbent will participate in some of the project to (1) analyze data for model integration; (2) develop/apply models to study dynamics and interactions of carbon, nutrients, and water in ecosystems; (3) develop/apply data assimilation and EcoPAD toward ecological forecasting; and (4) link ecosystem-scale studies with regional and global modeling.

Minimum Qualifications:
- PhD in ecology or related areas
- Strong quantitative skills together with basic ecology training

Preferred Qualifications:
- Demonstrated experience with advanced statistical analysis and/or modeling techniques
- Ability to interact and collaborate with other scientists.
- Training in linear algebra
- Record of publication in the peer-reviewed literature
- Prior experience of proposal development
- Demonstrated effective communication skills
- Innovation, self-motivation, critical thinking and problem solving skills
- Vision for research growth and collaboration in ecosystem science

Knowledge, Skills, & Abilities:
- Knowledge of quantitative techniques for integrating data and models,
- Eco-informatics
- Excellent communication skills

Salary:
Commensurate with experience.

**The starting salary will be determined by the qualifications of the selected applicant balanced with project budget availability, internal salary equity considerations, and available market information.**

Benefits:
Post-Doctoral Scholars are hired on a contract basis, renewable each fiscal year for a maximum of 4 renewals (5 years) according to terms of the Conditions of Post-Doctoral Service, which may be found on the Internet at http://azregents.asu.edu/rrc/Policy%20Manual/6-310-Conditions%20of%20Postdoctoral%20Scholar%20Service.pdf
NAU offers an excellent benefit package to Post-Doctoral Scholars including generous health, dental and vision insurance; 10 days of vacation and 10 holidays per year; and tuition reduction for employees and qualified family members. New employees are eligible for benefits on the first day of the pay period following their
enrollment, after their employment date. Employees will have 31 days from their start date to enroll in benefits. Participation in NAU retirement plans is not available to Post-Doctoral Scholars. More information on benefits at NAU is available at https://nau.edu/Human-Resources/Benefits/Eligibility-Enrollment/

**Application Deadline:** August 31, 2020 at 11:59 p.m.

**How to Apply:**
Go to the website below and find Job ID: 604696:
https://hr.peoplesoft.nau.edu/psp/ph92prta/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?FOCUS=Applicant&Siteid=1&FolderPath=PORTAL_ROOT_OBJECT.HC_HRS_CE_GBL2&IsFolder=false&IgnoreParamTempl=FolderPath%252cIsFolder

Sincerely,
Lifen Jiang on behalf of Dr. Yiqi Luo