



Research Associate Position in Ecosystem Ecology or Remote Sensing at NAU

Position Summary:

Northern Arizona University is seeking applications for either a Research Associate or Postdoctoral Scholar in ecosystem ecology or remote sensing to work on recently funded NSF and NASA-ABOVE (Arctic Boreal Vulnerability Experiment) projects. The successful applicant will join a highly collaborative team of researchers in the Center for Ecosystem Science and Society (ECOSS) and School of Informatics, Computing, and Cyber Systems (SICCS) and have the opportunity to work closely with a diverse team of researchers focused on ecosystem ecology (Michelle Mack and Xanthe Walker) and remote sensing (Scott Goetz and Logan Berner). The position could be remote or based in Flagstaff, AZ and the expected start date is Fall 2023.

The remote sensing position will focus on mapping, monitoring, and modeling broad scale ecosystem changes. The work will include extensive use of imagery from a range of sources to derive geospatial products related to stand age and pre- and post-fire tree species composition. The ecosystem ecology position will focus on testing ecological hypotheses about the drivers and impacts of changing disturbance regimes. Specifically, we are interested in assessing the drivers and impacts of reburning in boreal forest ecosystems.

Minimum qualifications:

- PhD or MSc in Remote Sensing, Environmental Science, Geography, Ecology and/or a related discipline

Preferred qualifications:

- Record of publishing peer-reviewed research in scientific journals
- Familiarity with the principles of ecosystem processes and dynamics
- Advanced remote sensing and GIS experience, including Google Earth Engine (for remote sensing position)
- Expertise with quantitative statistical analyses in R or other programming languages (for ecosystem ecology position)
- Ability to conduct spatial analysis and manage large databases
- Ability to work collaboratively as part of a research team and with individuals from a variety of diverse backgrounds

Questions: please contact Xanthe Walker ([xanthe.walker@nau.edu](mailto:xanthe.walker@nau.edu))

To Apply:

**The application deadline** is May 31<sup>st</sup> 2023, at 11:59 p.m. and can be located at this link:

[https://hr.peoplesoft.nau.edu/psp/ph92pr/EMPLOYEE/HRMS/c/HRS\\_HRAM.HRS\\_APP\\_SCHJOB.GBL?Page=HRS\\_APP\\_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=606958&PostingSeq=1](https://hr.peoplesoft.nau.edu/psp/ph92pr/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_JBPST&Action=U&FOCUS=Applicant&SiteId=1&JobOpeningId=606958&PostingSeq=1)

Or search: Job ID 606958 at NAU Staff Job Openings

