



CALL FOR APPLICATIONS:

PhD and MS positions in Ecosystem Ecology are available in the Center for Ecosystem Science and Society (Ecosystem) at Northern Arizona University.

The Ecosystem mission is to conduct high-impact, innovative research on ecosystems and how they respond to and shape environmental change to train next-gen scientists and to communicate discovery and its relevance to people.

Graduate student benefits include stipend (TA or RA), tuition waiver, health insurance, and payment of other student fees.

Candidates should explore the Ecosystem website (ecosystem.nau.edu) and contact a faculty member (prospective advisor) whose interests align most closely with those of the applicant.

Program applications should be submitted to the home department recommended by the prospective advisor (Biology, School of Informatics and Computer Sciences, or School of Forestry). Although hard deadlines vary in different home departments, Ecosystem requires that applications be submitted by January 15, 2023. Applications submitted earlier (by December 2, 2022) may be considered for a prestigious NAU Presidential Fellowship. Please include a cover letter describing your background, research interests, and qualifications, as well as a current resumé or curriculum vitae.

Ecosystem is committed to fostering a diverse and inclusive workplace (ecosystem.nau.edu/inclusion/). We strongly encourage applications from women and members of underrepresented minority groups.

ECOS^S



Research Opportunities at The Center for Ecosystem Science and Society

The impact of climate change on Alaskan ecosystems, including effects of changing fire and permafrost on plants, soils, and ecosystem services. Michelle Mack, Ted Schuur, & Xanthe Walker (michelle.mack@nau.edu, ted.schuur@nau.edu, xanthe.walker@nau.edu)

How microorganisms regulate biogeochemical responses of ecosystems to environmental change, using tools in quantitative ecology and molecular biology (next-gen sequencing, qPCR, and quantitative stable isotope probing). Bruce Hungate, Paul Dijkstra, Ben Koch, & Egbert Schwartz (bruce.hungate@nau.edu, paul.dijkstra@nau.edu, ben.koch@nau.edu, egbert.schwartz@nau.edu)

Freshwater ecology, including the science of river restoration and dam removal, terrestrial aquatic interactions and food web ecology. Jane Marks & Ben Koch (jane.marks@nau.edu, ben.koch@nau.edu)

Plant and microbial ecophysiology exploring the interaction of water and carbon metabolism in diverse systems, from the world's tallest trees to soil microorganisms. George Koch (george.koch@nau.edu)

Terrestrial ecosystems and global change: above and below ground processes, plant carbon allocation, biosphere-atmosphere interactions and feedbacks, radiocarbon, and phenology. Mariah Carbone & Andrew Richardson (mariah.carbone@nau.edu, andrew.richardson@nau.edu)

Dryland ecology, function and responses to global change; community ecology of biocrusts; plant-soil interactions; “from the ground up” soil-focused ecological restoration. Matthew Bowker (matthew.bowker@nau.edu)

Microbial trophic interactions and functions in soil and insect-microbe associations integrating traditional and molecular microbiology tools, multi-omics approaches, and bioinformatics. Javier Ceja-Navarro (javier.ceja-navarro@nau.edu)