



CALL FOR APPLICATIONS:

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

The EcoSS 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, support for summer fieldwork in a variety of beautiful ecosystems, and winter in the peaks of sunny Flagstaff, AZ. Candidates should explore the EcoSS website (ecoss.nau.edu) and contact the professor whose interests align most closely.

Please include a cover letter describing background, research interests, and qualifications, as well as a current resume/curriculum vitae (CV). Program applications can be submitted to the Department of Biological Sciences, due January 15, 2019 after communicating with faculty member.

Applications submitted early may be considered for a prestigious NAU Presidential Fellowship.

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**

How microorganisms and their responses to environmental change affect biogeochemistry, using tools in quantitative ecology and molecular biology (next-gen sequencing, qPCR, and quantitative stable isotope probing) to understand ecosystem responses to environmental change. **Bruce Hungate, Paul Dijkstra, Ben Koch, & Egbert Schwartz**

Freshwater ecology, including the science of river restoration and dam removal, terrestrial aquatic interactions and food web ecology. **Jane Marks & Ben Koch**

Exploring the interaction of water and carbon metabolism in diverse studies ranging from the limits to height growth of the world's tallest trees to drought responses of soil microorganisms. **George Koch**

Data-driven modeling and forecasting carbon and nitrogen cycles to global change at ecosystem, regional and global scales. **Yiqi Luo & Deborah Huntzinger**

Terrestrial ecosystems and global change: above and below ground processes, plant carbon allocation, biosphere-atmosphere interactions and feedbacks, and phenology. **Mariah Carbone & Andrew Richardson**

Plant -soil interactions in the context of restoration, invasions, and climate change; soil nutrient dynamics and mycorrhizal communities are a few specific foci. **Karen Haubensak**

