

We are seeking a motivated and independent postdoc to advance the state of the art in remote sensing and geospatial data integration in the field of ecosystem ecology. The successful candidate will work with the Landsat and Sentinel archive in conjunction with very high resolution drone acquired imagery to investigate how vegetation and topography govern microclimatic variability in post-wildfire landscapes. The objective of this project is to quantify influences on post-disturbance microclimatic variability and its effects on tree seedling survival. The Earth Systems Ecology Lab (www.hurteaulab.org) is an interdisciplinary group of ecosystem ecologists in the Department of Biology at the University of New Mexico. We work collaboratively to tackle a range of question related to global change and forest ecosystems.

We are seeking an individual with a quantitative ecosystem ecology or remote sensing background that is fluent in R or Python, has extensive geospatial analytic experience using any GIS, and experience with model-data integration. Familiarity with UAS data acquisition and processing using Agisoft and with geodetics (GNSS, RTKLIB) are a plus. Starting salary is \$47,500 and the position is initially for one year with the potential for extension. Preferred start date is late-summer 2019. To apply please send your CV, two-page statement of research interests, and list of three references to Matthew Hurteau (mhurteau@unm.edu) and Dan Krofcheck (krofcheck@gmail.com). We will begin reviewing applications 10 June.

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