

The Earth Systems Ecology Lab ([www.hurteaulab.org](http://www.hurteaulab.org)) at the University of New Mexico is recruiting a postdoctoral researcher with a strong background in ecosystem modeling or spatial data analysis to contribute to a project aimed at improving our ability to model smoke impacts on photovoltaic energy production in the western US. This project will include parameterizing the LANDIS-II model for a new location and running simulations to quantify the influence of changing climate and wildfire on biomass accumulation and consumption. The project will also work to refine partitioning of NPP into different fuel categories to better crosswalk output with the WRF model. The project is in collaboration with researchers at Sandia National Lab and the National Center for Atmospheric Research who will model smoke and energy production impacts. The researcher will work as part of an interdisciplinary collaborative team.

The initial timeframe is a two-year project. Salary is \$62,000-68,000 per year, plus benefits. Required qualifications include a PhD in ecology, ecosystem science, earth/environmental sciences, or statistics and programming experience with R. Preferred qualifications include programming in C+ or C#. The preferred start is spring 2024.

Applicants should submit a cover letter detailing research interests and goals, a complete CV, and names and contact information for three references in a single pdf to Matthew Hurteau ([mhurteau@unm.edu](mailto:mhurteau@unm.edu)). Review of applications will begin on 20 December 2023.

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class.