

Postdoctoral Scholar in Climate and Hazards

What you will do

Put your expertise in hazard science, high-performance computing, rural environments, or atmospheric measurement methods to good use by joining our collaborative research team! The Hazards Vulnerability and Resilience Institute (HVRI) in the Department of Geography at the University of South Carolina, Columbia, has an immediate opening for a postdoctoral research associate with experience in Climate, Hazards, or Atmospheric Science. You will be part of an interdisciplinary team working on coupling social and physical measures of climate-induced hazards as we build collaborative pathways for adaptive capacity and adaptation options. The primary focus will be examining perceptions of heat and its instrumented measures in rural areas of South Carolina. Our methodological approach is part of our NSF-supported multi-state interdisciplinary research team from the University of Idaho and the University of Nevada-Reno addressing wildfire, drought, and heat hazards.

Responsibilities

- Deploy and maintain atmospheric sensors in rural South Carolina.
- Analyze trends in observation data sets.
- Use physical frameworks to understand trends in observations, including interpreting spatial variables that can impact differences in trends.
- Contribute to developing research approaches integrating social and physical data streams.
- Coordinate research assistants on the project.
- Publish results in high-quality, peer-reviewed journals and present research findings at conferences and seminars.

Minimum Requirements

- Ph.D. in a STEM field (awarded before or expected by Spring 2024)
- Experience with environmental and social data collection and analysis
- Record of publishing in peer-reviewed journals
- Motivation to succeed in an independent work environment and interact with a multidisciplinary, integrated team and rural community.
- Demonstrated excellence in written and verbal communication skills to various audiences in formal and informal settings.
- Experience with atmospheric or environmental measurements and data analysis (time series, statistical analysis), geospatial analytics including visualization and programming.

We are especially interested in recruiting a post-doctoral associate from groups underrepresented in the academy and hazards fields more broadly. At the University of South Carolina, we strive to cultivate an inclusive environment that is open, welcoming, and

supportive of individuals of all backgrounds. We recognize diversity in our workforce is essential to providing academic excellence and critical to our sustainability. The University is committed to eliminating barriers created by institutional discrimination through accountability and continuous process improvement. We celebrate the diverse voices, perspectives, and experiences of our employees.

The position is for one year (12 months), with the possibility of renewal for an additional two years, subject to satisfactory progress and funding availability. The salary will be commensurate with qualifications and experience. While the start date can be flexible, the position will become available on January 8, 2024, and remain open until filled.

Apply through the University of South Carolina portal <http://uscjobs.sc.edu/hr/postings/158163>
Applications will be reviewed on a rolling basis. For questions, please contact Professor Susan Cutter at scutter@sc.edu.