

## POSITION ANNOUNCEMENT

### POSTDOCTORAL FELLOW

#### Climate Change Effects on Habitats and Species Distributions

**Department of Natural Resource Ecology and Management  
Oklahoma State University  
Stillwater, OK 74078**

Funding is available for a two year (with potential for a third year) postdoctoral research position in the Department of Natural Resource Ecology and Management (NREM) at Oklahoma State University. This position is funded through the South Central Climate Adaptation Science Center (SC-CASC) and will address research questions related to mapping and predicting climate change effects on habitats and species distributions in the southcentral United States.

Under this broad umbrella, the postdoc will have the flexibility to address research questions related to their interests and expertise in collaboration with relevant NREM faculty members (list of NREM faculty and their interests can be found here: <http://nrem.okstate.edu/people-1/faculty>). Examples of areas of inquiry include (but are not limited to): How will distributions of vegetation types and key wildlife species change in response to future climate change and variability? How will climate change interact with other human-related stressors (e.g., land cover change) to influence these distribution changes? How do climate-based distribution projections change when incorporating information about soils, vegetation communities, land cover types, and/or species interactions? Questions will be addressed using a combination of large, publicly available land cover and species distribution data sets and long term and/or large-scale data sets that exist within NREM or collaborator institutions for particular vegetation types and wildlife species.

Well-qualified individuals are encouraged to apply regardless of their taxonomic and vegetation/ecosystem-type expertise. However, data and research strengths within NREM that would provide especially fruitful avenues of possible collaboration include: distributions and effects of invasive non-native plant and animal species; distributions and effects of encroaching woody plants in the ecotones among prairies, shrublands, and woodlands; land cover and climate-related factors influencing distributions of birds and other wildlife; effects of climate change on disturbance regimes such as fire; and effects of climate change, land use, and vegetation management on carbon and water cycles. In addition to collaborating with NREM faculty members, the postdoc will interact and collaborate with a SC-CASC working group that focuses on mapping and predicting species distributions and includes members from federal agencies and other universities in the southcentral U.S. The postdoc may also have the opportunity to collaborate with other scientists in the SC-CASC consortium to leverage regionally downscaled climate projections that could be used in predicting species and habitat distributions.

Salary for this position is \$47,000 plus health insurance; funding is also available for travel to meet with collaborators and present at scientific conferences.

Required qualifications: Applicants must have a Ph.D. in ecology, conservation biology, natural resource management, or a related field; demonstrated experience conducting research that results in peer-reviewed publications; strong quantitative and spatial analysis skills; strong written and oral

communications skills; and a strong record of successfully leading and participating in collaborative research.

To apply: Applications must be submitted online at:

<https://okstate.csod.com/ats/careersite/search.aspx?site=8&c=okstate> (search by req7288)

Applicants should submit: 1) a 1-2 page cover letter summarizing their experience and research expertise and describing one or more potential research topics that would be addressed in collaboration of one or more NREM faculty members, 2) curriculum vitae, and 3) contact information for three references. Review of applications will begin October 2 and will continue until a suitable applicant is identified. The position will be filled as soon as possible.

**FOR FURTHER INFORMATION, PLEASE CONTACT:**

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