Postdoctoral Research Associate in Ecological Modeling

University of New Hampshire

Job Summary: The Department of Natural Resources and the Environment at the University of New Hampshire invites applications for a Postdoctoral Research Associate to work on a USDA-funded interdisciplinary project focused on the bioeconomics of invasive plants. The project seeks to integrate models of landscape composition, invasive plant distributions, and economic decision models to address both basic and applied research questions about optimal invasive plant management strategies. Primary responsibilities will include compiling existing landscape and invasive plant demographic data sets, developing models to expand and refine forest type maps in New Hampshire and surrounding states, implementing process-based models of invasive plant distributions, and interfacing with other components of the project to integrate ecological and economic models. Postdoc-led research products will be published in scientific peer-reviewed journals. The postdoc will report to two project PIs, Dr. Jenica Allen and Dr. Mark Ducey, and work regularly with other project PIs.

Qualifications: Candidates must have a PhD in natural resources, ecology, or closely related field, experience with Bayesian modeling, and expertise in GIS and statistical analysis using R. Preferred candidates will additionally have experience with manipulation and analysis of large-scale remote sensing data sets, species distribution modeling, and work on interdisciplinary projects.

Application Details: This position is based on the Durham campus of the University of New Hampshire and includes competitive salary and benefits. This is a full-time, 12-month, fixed-term position with a start date as soon as a suitable candidate is identified. Continuation of this position may be possible based on performance and funding availability. Review of applications will begin April 12, 2017. Interested candidates should send (1) an email describing their research interests and qualifications with (2) a CV, (3) 1-2 representative publications, and (4) a list of 2 references to Jenica Allen at jenica.allen@unh.edu.