



## Graduate Research Assistantship (PhD.) in Arctic-Boreal Ecosystem Modeling

The School of Forest Resources at the University of Maine currently has an open graduate research assistantship position, representing an exciting opportunity for a skilled and motivated student to gain experience in – and contribute to – high level science addressing the responses and feedbacks of arctic and boreal terrestrial ecosystems to climate change. The student’s research will involve the evaluation and comparison of Terrestrial Biosphere Models (TBMs), and using the resulting analyses to study critical high-latitude ecosystem processes (e.g., vegetation dynamics, permafrost thaw and soil carbon cycling). The analyses will involve various multi-dimensional scientific data sets including those from field studies, flux observations, and remote sensing. The student will have an opportunity to interact with the science teams from NASA’s Arctic Boreal Vulnerability Experiment (ABOVE), DOE’s Next Generation Ecosystem Experiment (NGEE – Arctic) and NSF’s Permafrost Carbon Network. The project team includes collaborators from NASA’s Jet Propulsion Laboratory, Northern Arizona University, the University of Alaska Fairbanks and the Oak Ridge National Laboratory.

To fill this assistantship, we seek a highly qualified student with a strong quantitative science background, a keen interest in the geospatial aspects of broad-scale ecosystem science, and an eagerness for scientific research. The ideal candidate will possess the following qualifications: a recent M.S. degree in ecology, forestry, or equivalent natural resources discipline, with a computer science or statistics focus (or vice-versa); scientific programming experience; an ability to work productively both independently and as a team member; and a disposition toward quality written and oral communication.

The assistantship position includes a full PhD. stipend, student health insurance, and tuition paid for the graduate program at the University of Maine. The state’s flagship campus is located in the town of Orono, which provides a marvelously unique lifestyle as well as access to some of the country’s finest, four-season outdoor recreation opportunities.

**To apply**, send (electronically) a 2-page CV and unofficial college transcripts, along with a cover letter, to:

Daniel Hayes

Assistant Professor of Geospatial Analysis & Remote Sensing

[daniel.j.hayes@maine.edu](mailto:daniel.j.hayes@maine.edu)



*The University of Maine does not discriminate on the grounds of race, color, religion, sex, sexual orientation, including transgender status and gender expression, national origin, citizenship status, age, disability, genetic information or veteran status in employment, education, and all other programs and activities. The following person has been designated to handle inquiries regarding nondiscrimination policies: Director, Office of Equal Opportunity, 101 North Stevens Hall, 207.581.1226.*