

**Graduate Assistantship in Remote Sensing and Forest Carbon Cycling, University of New Hampshire**

The Terrestrial Ecosystems Lab at UNH's Earth Systems Research Center seeks a graduate student (PhD-level preferred) to conduct research on spatial patterns of carbon cycling and ecosystem processes in northeastern U.S. forests. The student will join a dynamic and collaborative group of researchers and fellow grad students who seek to understand landscape to regional scale patterns of forest growth, carbon cycling and terrestrial-aquatic linkages, as well as how they're affected by stressors such as invasive pests, land use, and climate change. Working under the supervision of Dr. Scott Ollinger, the student will develop research to explore one or more of these topics using some combination of remote sensing (potentially including lidar, hyperspectral and/or broad band sensors), ecosystem modeling, field measurements and eddy flux data.

Qualifications: Applicants should have a degree in ecology, forestry, environmental science, earth science, geography, or a related field. Strong communication skills (written and verbal) are a must. The ideal candidates will have one or more of the following skills: solid understanding of carbon or nitrogen cycling, forest ecology, soil science, or ecophysiology, and experience with remote sensing, modeling/code writing, field data collection or analysis of large data sets. Applicants seeking a PhD are preferred, but all well-qualified applicants will be considered.

Location: UNH is located in the Seacoast region of New Hampshire, near the city of Portsmouth, approximately an hour from Boston or Portland, Maine and within easy proximity of lakes, mountains, and the ocean. Information about the Terrestrial Ecosystems Lab and the Earth, Systems Research Center can be found here: <https://eos.unh.edu/earth-systems-research-center>. Information about the Natural Resources and Earth Systems Science PhD program is available here: <https://gradschool.unh.edu/natural-resources-earth-systems-science-phd>

Start Date: Position available starting Fall Semester 2020.

To Apply: Please send a cover letter stating your research interests, curriculum vitae, copies of academic transcripts, and contact information for three references by email to Dr. Scott Ollinger ([scott.ollinger@unh.edu](mailto:scott.ollinger@unh.edu)) using the subject heading: Grad assistantship in ecosystem ecology. Please attach application materials as word documents or PDFs with the candidate's name included in the file names.