

PhD Fellowship in Environmental Science Education

Deadline: January 5, 2015

The [School of Natural Resources and Environment \(SNRE\)](http://snre.umich.edu) at the University of Michigan (Ann Arbor, MI, USA) is accepting applications to fill a PhD position starting Fall 2015. The SNRE graduate program offers a PhD in Natural Resources and Environment, with a choice of two concentrations: Resource Ecology Management (ecology focus) and Resource Policy and Behavior (social science focus). The proposed position will be in Resource Policy and Behavior, with a focus on environmental science education. More information about SNRE's doctoral program can be found at: http://snre.umich.edu/degrees/doctoral_program.

The PhD student will conduct his/her National Science Foundation funded research within the context of a unit titled *Climate Change and Michigan Forests* adopted by Ann Arbor Public Schools (Ann Arbor, MI). The 10-day unit explores how scientists use scientific modeling to predict the impacts of climate change on forests. "Developing and Using Models" is highlighted in the recently released Next Generation Science Standards as a key Science and Engineering Practice for middle and high school students.

Duties and Responsibilities:

- Plan, design, and conduct original mixed methods research to advance environmental science education theory and practice.
- Use SPSS, Stata, SAS, or similar statistics software packages to analyze quantitative educational research data.
- Collaborate with public school administrators and teachers to improve the *Climate Change and Michigan Forests* (www.ccmf.snre.umich.edu) unit, including its modeling tool.



Qualifications:

- Previous teaching experience and strong commitment to environmental science education.
- Degree (e.g., MA, MEd, MS) reflecting expertise in science and mathematics, learning theories, and using instructional design models to develop K-12 environmental science lessons.
- Preferred: research skills ideally demonstrated through peer reviewed publications and completion of quantitative and/or qualitative research methods courses.

Information about the application process can be found in the prospective student section of the Natural Resources and Environment (SNRE) webpage: http://snre.umich.edu/prospective_students

For more information contact:

Dr. Michaela Zint, Associate Professor of Environmental Education & Communication
School of Natural Resources & Environment, School of Education, College of Literature,
Science & the Arts, University of Michigan
2032 Dana Building, 440 Church St., Ann Arbor, MI 48109-1041
Phone: 734-763-6961, Email: zintmich@umich.edu

