

*The Department of Agricultural & Resource Economics
Welcomes*

Katherine Zipp

Assistant Professor, Department of Agricultural Economics, Sociology, and Education
Pennsylvania State University



**FRIDAY, February 12, 2016
11.15 a.m – 12.30 pm, WB Young 327**

The Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape

Abstract: We integrate an economic model of boater trip decisions with an ecological model of aquatic invasive species dispersal to assess the spatial distribution of invasion and economic welfare. A lake's invasion has two impacts on people that yield a network-dependent trajectory for the lake system. First, shoreline property owners and the boaters that use a newly invaded lake are faced with reduced recreational quality. Second, the likelihood of additional lakes becoming invaded is now potentially higher when a system receives a newly invaded lake – a spillover effect. Therefore, the effects of management actions to reduce spread must be examined by comparing the biophysical and economic welfare status of the entire lake system.

For questions or concerns, contact Tatiana Andreyeva (tatiana.andreyeva@uconn.edu).