



Dr. Dexter Locke

### ***Pushing Urban Ecology Towards Spatial Data Science***

Urban ecology is a relatively young and integrative field, bridging research and practice. Location-specific data have played a critical role building and testing theories in urban ecology. Increasingly, tools and techniques from Data Science (another integrative field) and Spatial Data Science are changing how researchers ask and answer questions like, “how are urban microclimates related to tree canopy and impervious surface cover” and “which outreach strategies will be most successful for tree giveaway programs”. Advances in Spatial Data Science are accelerating research and synthesis endeavors, and urban ecology is poised to reap those benefits. Before joining the Urban Forests, Environmental Quality and Human Health Research Unit of the USDA Forest Service as a Research Social Scientist, Dexter Locke was a postdoctoral fellow at the National Socio-Environmental Synthesis Center (SESYNC), at the University of Maryland. He is an Urban Ecologist with degrees in Natural Resources Planning, a Master's of Environmental Science from The Yale School of Forestry and Environmental Studies (class of 2013), and a PhD in Geography from the Graduate School of Geography at Clark University. Conducting applied research with urban natural resource managers is his passion.

## **Environmental Science and Policy Seminar Series**

**Thursday, March 5, 2020**

**3 to 4 p.m.**

**in Exploratory 3301**

***HAPPY HOUR AT BRION'S GRILL IMMEDIATELY FOLLOWING  
APPETIZERS PROVIDED BY ESP GRADUATE STUDENT ASSOCIATION***