

Computing and the Environment

Professor Jennifer Bradham, Environmental Studies, Wofford College; <http://www.jenniferbradham.org/> I am an Assistant Professor in the Environmental Studies Department at Wofford College. My research interests include tropical ecology, conservation biology, and sustainability in human-modified ecosystems. My current field sites are located in the Brazilian Atlantic Forest, Pantanal, and Cerrado biomes, where I use large mammal habitat use patterns as conservation proxies for evaluating changing tropical ecosystems.

Doctoral student Kristy Ferraro, Yale University; <http://schmitz.environment.yale.edu/kristy-ferraro.html>
I am interested in the ecosystem services provided by large mammals and how the impacts of local extinction or changes in migratory behavior may alter ecosystem dynamics. More specifically, I explore the impact of ungulates on soil dynamics, nutrient cycles, nutrient transfer, and carbon storage. Working in both the Schmitz lab and the Bradford lab at Yale my dissertation aims to untangle the effects of caribou on Arctic and boreal soils and nutrient cycles. As northern ecosystems change due to climate change, and caribou populations dwindle, I hope to help illuminate the role of caribou within their ecosystem, exploring how they alter nutrient and soil properties and move nutrients around their large home range.

Joining us too are doctoral student Michaela Peterson, Vanderbilt University, and in spirit Professor Maria (Malu) Jorge, Vanderbilt University