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How biogeochemistry might save the day: climate change solutions on natural and working lands

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Time: **1:30 PM**
Location: **GRAN 135**

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ABSTRACT

Dr. Whendee Silver is the Rudy Grah Chair and Professor of Ecosystem Ecology and Biogeochemistry in the Department of Environmental Science, Policy, and Management at U.C. Berkeley. Her work seeks to determine the biogeochemical effects of climate change and human impacts on the environment, and the potential for mitigating these effects. The Silver Lab is currently working on climate change mitigation potential of working lands, drought and hurricane impacts on tropical forests, and greenhouse gas dynamics of peatlands and wetlands. Professor Silver is the lead scientist of the Marin Carbon Project, which is determining the potential for land-based climate change mitigation, particularly by composting high-emission organic waste for soil amendments to sequester atmospheric carbon dioxide. The Silver Lab was awarded the Innovation Prize by the American Carbon Registry. Professor Silver is a fellow of the Ecological Society of America and was named a University of California Climate Champion for 2016 for outstanding teaching, research and public service in the areas of climate change solutions, action and broad engagement. She has published over 145 peer-review papers. She received her PhD in Ecosystem Ecology from Yale University.