



## CONTINUING EDUCATION WEBINAR SERIES

**Date: Wednesday, June 11, 2014**

**Time: 12-1pm**

**Location: [http://connect.ag.vt.edu/vmn\\_at6/](http://connect.ag.vt.edu/vmn_at6/)**

### ***The State of Climate Change and its Impacts: General Concepts and a Southeast US Perspective***

**Presented by: Dr. Rachel Licker, Princeton University**

*With the recent release of three reports from the Intergovernmental Panel on Climate Change (IPCC) and the U.S. National Climate Assessment (NCA), the certainty surrounding human-induced (anthropogenic) climate change and its consequences is growing. In this session, we will examine the causes of anthropogenic climate change and common misconceptions, as well as review the changes in climate that have been detected and attributed to human activities to date. Drawing from recent global and national reports, as well as the scientific literature, we will cover the latest projections of climate and associated hazards (including changes in temperature, precipitation, extreme events, and sea-level rise) that have been made globally and for the Southeastern US. We will then review the projected consequences of these changes in climate for key sectors and services important for Virginia and the broader Southeastern US, including agriculture, health, natural resources/biodiversity, and water availability. Finally, through this session, participants will be introduced to resources through which they can acquire up-to-date and reliable information on climate change and its impacts.*

Dr. Rachel Licker is a Postdoctoral Research Associate at Princeton University in the Woodrow Wilson School of Public and International Affairs. She serves as a Volunteer Chapter Scientist and Contributing Author with the Fifth Assessment Report of the Intergovernmental Panel on Climate Change, Working Group II (Impacts, Adaptation, and Vulnerability). Dr. Licker holds a Ph.D. in Environment and Resources from the University of Wisconsin-Madison, a Master's in Environmental Studies and Sustainability Science from Lund University in Sweden, and a Bachelor's in Biology from the University of Wisconsin-Madison. Dr. Licker's research interests lie at the intersection of climate change, food security, human decision-making, and policy. Her current research examines the impact of climate change on globally important agricultural systems and human migration patterns.