

Environmental Science Literacy: A framework for addressing 21st Century Environmental Challenges

WEDNESDAY, NOVEMBER 15 | 9 – 10:30 A.M.

Lory Student Center Room 386

Society faces a number of environmental challenges connected to the global and local issues (e.g., greenhouse gases, climate change, energy development) that will require collective human action on an unprecedented scale. Responding to these issues will require greater participation in STEM careers and improvements in the environmental literacy of a diverse public to make informed decisions. Environmental science literacy captures the capacity to participate in and make decisions through evidence-based discussions of socio-ecological systems. Environmental science literacy requires citizens to understand, evaluate, and respond to multiple sources of information. Scientists and science educators have worked collaboratively to develop an emerging Environmental Science Literacy Framework that ties together the content and practice skills to affect the development of curricula, instructional practice and communication. This panel will address different dimensions and approaches to study and advance this emerging framework.

Organizer and Moderator: Dr. John Moore, Department Head, Ecosystem Science and Sustainability; Natural Resource Ecology Laboratory (NREL) Director

Panelists:

- Dr. Charles ‘Andy’ Anderson, Professor, Department of Teacher Education, Michigan State University
- Dr. Meena Balgopal, Associate Professor, Biology, CSU
- Dr. Alan Berkowitz, Head of Education and Plant Ecologist, Cary Institute of Ecosystem Studies (Millbrook, NY)
- Dr. Scott Denning, Monfort Professor of Atmospheric Science, CSU
- Dr. Beth Covitt, Head of Science Education Research and Evaluation, University of Montana
- Dr. Kristin Gunckel, Associate Professor, Science Education, University of Arizona