

Integrated Research and Engagement in Africa: Looking to the Past and Designing Innovations for the Future

WEDNESDAY, NOVEMBER 15 | 10:45 A.M. – 12:15 P.M.

Lory Student Center Grey Rock Room

Systems and integrated approaches have been a hallmark of Natural Resource Ecology Laboratory (NREL) research and engagement in Africa for over 30 years. Linking social and ecological research to ecosystem level questions began in the 1980's. Social and ecosystems have been coupled through simulation modeling, another hallmark of NREL science. Remote sensing and GIS have also been used by both social scientists and ecologists to study African societal and ecological change. Global environmental change research today demands that systems approaches continue to be used. This type of science values different knowledge systems, is transdisciplinary, and focuses on knowledge for action. Knowledge to inform action on GEC involves local, practical knowledge with contributions from outside scientists and others. Successful efforts to link knowledge with action function dynamically. Collaboration and connection are at the heart of this type of science to address complex environmental challenges. Reward is often in the learning rather than the success. This panel will address past, present and future approaches to integrated research in Africa.

Organizer and Moderator: Dr. Kathleen Galvin, Professor, Department of Anthropology; NREL Senior Research Scientist; Director, The Africa Center

Panelists:

- **Dr. Carla Roncoli**, Senior Research Scientist, Department of Anthropology, Emory University

“Engaging Different Knowledge Systems in Decentralized Water Governance in Burkina Faso”

- **Dr. Colin Thor West**, Associate Professor, Department of Anthropology, University of North Carolina at Chapel Hill

“Sahelian Greening: Integrating Ethnography with Remote Sensing in Burkina Faso”

- **Dr. D. Layne Coppock**, Professor of Human-Environment Systems, Department of Environment and Society, Utah State University

“Sustainable Pastoralism Requires Improved Governance and Asset Diversification”

- **Dr. Moffatt K. Ngugi**, Agriculture Development Officer, USAID Advisor on Climate and Environment

“Sustainably Reducing Hunger, Malnutrition and Poverty in African Countries Through Ecosystem Science”

- **Dr. Robin Reid**, Professor, Department of Ecosystem Science and Sustainability; Director, Center for Collaborative Conservation, CSU

“Out of Africa: Innovations in Science for Socio-Ecological Transformations”

- **Dr. Randall Boone**, Professor, Ecosystem Science and Sustainability and NREL Research Scientist, CSU

“Using Coupled System Modeling to Enhance Ecosystem Services”