Research, Education and Outreach in Tanzania and the Region

Dick Bowen and Shana Gillette
Colorado State University
Strategic Objectives

- **Build sustainable research capacity**: livestock productivity, veterinary and human health and environmental sciences.
- **Expanding income opportunities** and stability for livestock keepers
- **Advancing management practices** to adapt to climate change
Portfolio of Research Programs

- East Africa: Tanzania, Kenya, Ethiopia
- West Africa: Senegal, Mali
- Nepal
Project Types in East Africa

- Seed grants (finished)
- Long term research projects
- Graduate students
- Early career scholars
LTRP in Tanzania: HALI2

PI: Jonna Mazet, UC Davis
Co-PI: Rudovich Kazwala, Sokoine University of Agriculture, Morogoro

- Assess livestock health services and pathogen diagnosis and response capacity
- Create framework to model adaptation of pastoralist communities to climate change
HALI2: Educational Interventions

**GROUP 1**
- Climate Change & Livestock Health
- Nutrition Education

**GROUP 2**
- Climate Change & Livestock Health

**GROUP 3**
- Nutrition Education

**GROUP 4**
- Delayed Intervention

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**Basic Zoonotic Disease Prevention Messages**

**Livestock Extension Agents: Training and Diagnostics**

**Ecosystem Health Modeling**
LTRP in Tanzania and Nepal

Poultry Skills for Improving Rural Livelihoods
PI: David Bunn, UC Davis
Co-PI: Peter Msoffe, Sokoine University of Agriculture, Morogoro

- Develop curriculum and train grade school teachers on chicken management
- Pilot demonstration poultry coops at schools

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Poultry Project

Curricula and Training Materials
Training Teachers
Training Grade School Children

Outcomes
• Household nutrition
• Income (including schools)
• Epidemiologic data

Parents

Extension Agents
LTRP: Ethiopia and Kenya

- Peter Little: *Climate-Induced Vulnerability & Pastoralist Livestock Marketing*
- Layne Coppock: *Sustainable Pastoralism on the Borana Plateau*
Early Career Researchers (EATIRI)

- Ethiopia: 6
- Kenya: 3

- Women’s Workload
- Grazing Intensities
- Camel Health and Zoonoses

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Lunch time