Graduate Student Research on Wetland Complexity in the Florida Coastal Everglades

INTECOL/GEER 2012 Session
Tuesday, June 5
1:30-3pm/3:30-5pm
Presenters

Session One: 1:30-3pm
• Ross Boucek, FCE PhD Student, FIU
• Kristie Wendelberger, FCE PhD Candidate, FIU
• Mehrnoosh Mahmoudi, FCE PhD Candidate, FIU
• David Lagomasino, FCE PhD Candidate, FIU

Session Two: 3:30-5pm
• Rebecca Garvoille, FCE PhD Candidate, FIU
• Carrie Rebenack, FCE PhD Candidate, FIU
• Lisa Chambers, FCE PhD Candidate, UF
• Panel Discussion w/ Dr. Evelyn Gaiser, FCE LTER PI
U.S. LTER Network
FCE III examines how climate change and resource management decisions interact to influence freshwater availability, ecosystem dynamics, and the value and utilization of ecosystem services by people in the Florida Coastal Everglades.
Multi-Scaled Socio-Ecology of the Everglades
FCE III Conceptual Framework

**FCE III LTER Goals:**

1. Water
2. Carbon
3. Legacies
4. Scenarios

**EXTERNAL DRIVERS**

- Global Climate Change
- Global Socioeconomic Change
- Regional Climate Modulation
- Regional Water Management and Land Use

**LOCAL RESPONSES**

- Everglades Coastal Gradient
  - Geochemistry
  - Organic Matter
  - Carbon Cycle
  - Primary Production
  - Consumers
  - Socio-ecological feedbacks

- South Florida Urban Gradient
  - Resource Demand, Use, Stewardship and Management Decisions

**Past**  

**Present**  

**Future**