

Social Science Methods for Long-Term Interdisciplinary Research: An LTER Cross-Site Course



Laura Ogden, Florida Coastal
Everglades LTER

Ted Gragson, Coweeta LTER

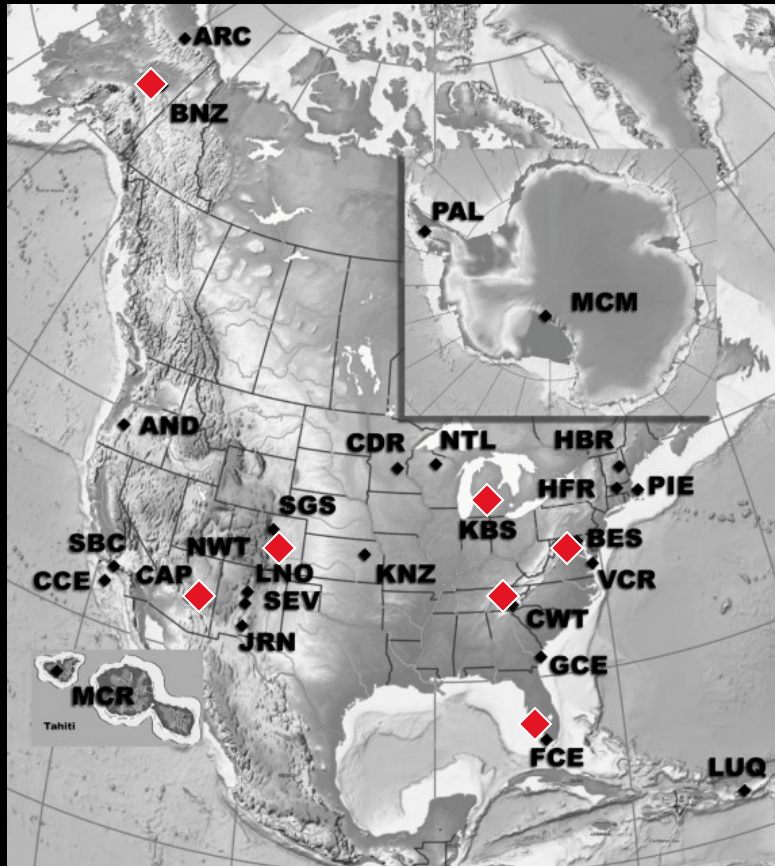
Morgan Grove, Baltimore Ecosystem
Study LTER

“From Yardstick to Gyroscope”



- **Course Goals**
 - Train graduate students in research methods appropriate to the LTER Decadal Plan’s framework
 - Introduce students to LTER social science research opportunities

Multi-site Participation



- Over 40 participants
 - 7 LTER sites
 - 18 universities
 - England, Mexico, Argentina

LTER Network

Live Classroom

Live Classroom - 04) Feb 04 Emery - 02/04/2008 14:03

Ethnographic methods

- Open-ended interviews
- ❖ Semi-structured interviews
- Structured interviews
- Participant observation

Live Classroom - Video

24:33 / 01:21:53

Archive Navigation

Duration: 1:21:53 [Contact Presenter](#)

Time Marker +02:00	18:30
Time Marker +04:00	20:30
Methodological approaches	21:22
Time Marker +02:00	23:22
Ethnographic methods	23:49
Rigor*	25:26
Constructing & testing questions	26:59
Time Marker +02:00	28:59
Time Marker +04:00	30:59
Sampling	31:22
Time Marker +02:00	33:22
Time Marker +04:00	35:22
Capturing data	35:49
Time Marker +02:00	37:49
Time Marker +04:00	39:49
Time Marker +06:00	41:49
Analyzing data	43:14
Time Marker +02:00	45:14
TheEthnograph	45:54
TheEthnograph	47:05
Interpreting results	49:01
Art & ethics of	50:11


0:24:33 -- 1:21:53

Connecting to server...
You have connected successfully!
You have entered '04) Feb 04 Emery - 02/04/2008 14:03'.
Your media format is WimbaMedia.

Main Room

People (1)
Laura_Ogden

Exit - Lobby - Help



Wimba Interactive Classroom Screen

Course Topics: From LTER Decadal Plan

- **Environmental Valuation**
 - Hedonic valuation, Contingent valuation, Willingness to Pay
- **Sense of Place**
 - GIS parcel-level data, Ethnography, Telephone surveys
- **Land Use/Land Cover Change**
 - Remote-Sensing, Agent-based Modeling, Econometric Modeling

Course Topics: Critically Engage Methods

- **Environmental Justice**
 - Using census data in GIS
 - Archival research
- **Livelihoods**
 - Local knowledge
 - Scenario modeling
 - Simulation analysis
- **Climate Change & Natural Disasters**
 - Risk Assessment
 - Vulnerability Analysis

Final Projects

- **Methods Essay & Presentation**
 - Topic chosen from the Decadal Plan
 - Evaluation of multiple methods
 - Genesis for their research proposals

Rebecca Garvoille
FCE Graduate Student

Course Outcomes & Next Steps

- Course Assessment Survey
- Offer the course again next Spring
- Transform course materials and presentations into an LTER methods book
- Archive and publish class sessions as podcasts
- Develop an LTER socioecological theory course

List of Presenters

- Christopher Boone, Arizona State Univ.
- Morgan Grove, US Forest Service
- Laura Ogden, FIU
- Marla Emery, US Forest Service
- Rinku Roy Chowdhury, Univ. of Miami
- Tom Evans, Indiana
- Gary Kofinas, Alaska, Fairbanks
- Terry Chapin, Alaska, Fairbanks
- Geoffrey Buckley, Ohio
- Erika Svendsen, US EPA
- Dana Fisher, Columbia
- Scott Swinton, Michigan
- Pete Nowak, Wisconsin
- Ted Gragson, UGA
- Austin Troy, Vermont
- Anthony Oliver-Smith, UF