



ANNOUNCING
the Long Term Ecological Research Network

All Scientist's Meeting

**"Long-term Ecological Research in the New Millennium—
Unifying Concepts and Global Applications"**

August 2 – 4 2000

Immediately preceding the ESA Annual Meeting in

Snowbird, Utah

- **Featuring** plenary speakers, workshops, informal discussion groups, and business/planning interactions
- **Open** to all interested scientists, researchers and students.
- **Workshops** will emphasize group discussions, and will be product-oriented (e.g., publications, future research proposals, cross-site project agreements).
- For additional information, or to submit suggestions for other workshops, contact:
- Robert Parmenter
(505) 277 6348
(parmentr@sevilleta.unm.edu)
- Robert Waide
(505) 272 7311
(rwaide@lternet.edu)

VIEW THE AGENDA

PRELIMINARY WORKSHOP REGISTRATION

SUBMIT POSTER ABSTRACT

*This form is currently offline for maintenance
(Deadline for submission is June 1, 2000)*

MEETING AND HOUSING REGISTRATION

Proposed Workshop Titles

Workshops will be 2-3 hours in length, and will vary in format based on the organizer's planning. Workshops may include both presentations and group discussions, and will be product-oriented (e.g., publications, future research proposals, cross-site project agreements).

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LANDSCAPE STUDIES AND SCALING

CLIMATE/METEOROLOGY

EDUCATIONAL PROGRAMS IN LTER

ECOSYSTEM PROCESSES, LEGACIES,
AND MANAGEMENT

SOCIAL AND ECONOMIC RESEARCH IN
LTER

HYDROLOGY/GEOMORPHOLOGY

LAND-MARGIN WORKSHOPS

RHIZOSPHERE, SOILS, AND NUTRIENTS

GRADUATE STUDENT WORKSHOPS

*******CROSS SITE COMPARISONS*******

WORKSHOP CS-1:

Developing international science collaborations through long-term ecological research
WEDNESDAY AFTERNOON

Organizers: Bob Waide (NET) and Bill Chang (NSF)

• [ABSTRACT](#)

WORKSHOP CS-2: Network analysis for cross site comparisons
THURSDAY MORNING

Organizer: Bob Christian (VCR)

• [ABSTRACT](#)

WORKSHOP CS-3: Organizing and managing long-term, interdisciplinary research projects: models from the LTER Network
THURSDAY AFTERNOON

Organizer: Bob Waide (NET)

• [ABSTRACT](#)

WORKSHOP CS-4: Cross-site research and collaborative research.
FRIDAY MORNING

Organizer: Stephanie Madson (CWT)

• [ABSTRACT](#)

******* LTER DATA MANAGEMENT & MOVEMENT *******

WORKSHOP DM-1: The partnership between long-term ecological research and information management: successes and challenges
WEDNESDAY AFTERNOON

Organizers: Barbara Benson (NTL), Dick Olson (DACC-ORNL), John Magnuson (NTL)

• [ABSTRACT](#)

WORKSHOP DM-2: Advanced Communications and Networking: Opportunities and Challenges for LTER/ILTER
THURSDAY MORNING

Organizers: William Chang (NSF), Tony Fountain (SDSC), and John Vande Castle (NET)

• [ABSTRACT](#)

WORKSHOP DM-3: Ecological informatics: Innovative tools and technologies
THURSDAY AFTERNOON

Organizers: Hap Garritt (PIE) and John Porter (VCR)

• [ABSTRACT](#)



WORKSHOP DM-4: The LTER Network Information System and beyond
FRIDAY MORNING

Organizer: Peter McCartney (CAP)

• [ABSTRACT](#)

WORKSHOP DM-5: GIS on the Internet and LTER: a frontier for research, applications, and solutions
FRIDAY AFTERNOON

Organizer: Ned Gardiner (CWT)

• [ABSTRACT](#)

***** REMOTE SENSING *****

WORKSHOP RS-1: Scaling carbon flux to the site level in the context of EOS/MODIS validation.
WEDNESDAY AFTERNOON

Organizers: David Turner (AND), Warren Cohen (AND), Peter Reich (CDR), John Vande Castle (NET)

• [ABSTRACT](#)

WORKSHOP RS-2: Practical statistics for long-term data.
THURSDAY MORNING

Organizer: Karen Wilson (NTL)

• [ABSTRACT](#)

WORKSHOP RS-3: New remote sensing satellite products: Potential applications in ecology.
THURSDAY AFTERNOON

Organizers: Michele Thorton, Steve Running (University of Montana), Dave Verbyla (BNZ)

• [ABSTRACT](#)

WORKSHOP RS-4: Spread spectrum radio communication - Remote sensing and the Internet.
FRIDAY MORNING

Organizer: Paul Hanson (NTL)

• [ABSTRACT](#)

WORKSHOP RS-5: Introduction to Lidar remote sensing
FRIDAY AFTERNOON

Organizer: Michael Lefsky (AND)

• [ABSTRACT](#)

***** CLIMATE AND METEOROLOGICAL STUDIES *****

WORKSHOP CM-1: Ecosystem responses to short-term climate variability

Organizers: Doug Schaefer (LUQ), and Lloyd Swift (CWT)

• [ABSTRACT](#)

WEDNESDAY
AFTERNOON

WORKSHOP CM-2:

Climate variability and ecosystem response (CVER) and quasi-quintennial scale (including ENSO).
THURSDAY MORNING

Organizers: Ray Smith (PAL) and David Greenland(AND/NWT).

• [ABSTRACT](#)

WORKSHOP CM-3: CVER and the interdecadal scale (e.g. PDO and NAO)
THURSDAY AFTERNOON

Organizer: Doug Goodin, KNZ/Climate Committee

• [ABSTRACT](#)

WORKSHOP CM-4: Climate variability and ecosystem response: Century to millennial time scales (paleo-climate).
FRIDAY MORNING

Organizers: Berry Lyons (MCM) and Andrew Fountain (MCM).

• [ABSTRACT](#)

WORKSHOP CM-5: Biogeographical and biogeochemical analysis of climate variability and change
FRIDAY AFTERNOON

Organizers: Dennis Ojima (SGS), Ron Neilson (AND), William Parton (SGS), and Tim Kittel (NCAR)

• [ABSTRACT](#)

******* ECOSYSTEM PROCESSES, LEGACIES, AND MANAGEMENT*******

WORKSHOP EL-1: Characteristics and roles of biological legacies in ecosystem recovery
WEDNESDAY AFTERNOON

Organizers: Jerry F. Franklin (AND) and Robert Waide (LUQ)

• [ABSTRACT](#)

WORKSHOP EL-2: Importance of past and current human and natural disturbance in ecosystems
THURSDAY MORNING

Organizers: David Foster, Nick Brokaw, Bill McDowell, Charles Redman, Jill Thompson, Bob Waide

• [ABSTRACT](#)

WORKSHOP EL-4: Integrating LTER research into ecosystem management.
FRIDAY MORNING

Organizers: Larry Dyer (KBS) and Phil Robertson (KBS)

• [ABSTRACT](#)

WORKSHOP EL-3: Learning from spatial vs. temporal variability in ecosystem processes and their drivers
FRIDAY AFTERNOON

Organizers: Tim Kratz (NTL), Bill Lauenroth (SGS), John Blair (KNZ), Alan Knapp (KNZ)

• [ABSTRACT](#)

WORKSHOP EL-9:

Catastrophic Disturbances in Ecosystems in the East Asian Region

THURSDAY AFTERNOON

Listed in "Educational Programs" on the Registration Page

Organizer: Hen-biau King

• [ABSTRACT](#)

******* HYDROLOGY/GEOMORPHOLOGY *******

WORKSHOP HG-1: Human modification of hydrologic and nutrient cycles at local and regional scales.)
WEDNESDAY
AFTERNOON

Organizers: Nancy Grimm (CAP) and Larry Band (BES)

• [ABSTRACT](#)

WORKSHOP HG-2:
Intersite Hydrology studies in the LTER Network
THURSDAY MORNING

Organizer: Julia Jones (AND)

• [ABSTRACT](#)

WORKSHOP HG-3:
Interactions between surface and ground waters:
Implications for landscape-level biogeochemical fluxes
THURSDAY AFTERNOON

Organizers: Steve Hamilton (KBS), Randy J. Hunt (NTL), Walter Dodds (KNZ)

• [ABSTRACT](#)

WORKSHOP HG-4:
Intersite comparisons of channel and watershed geomorphology: What can we learn?
FRIDAY MORNING

Organizers: Gordon Grant (AND) and Fred Scatena (LUQ)

• [ABSTRACT](#)

WORKSHOP HG-5: Surface energy fluxes: Common currency for ecosystems
FRIDAY AFTERNOON

Organizers: Gayle Dana (MCM) and Gordon Grant (AND)

• [ABSTRACT](#)

******* RHIZOSPHERE, SOILS, AND NUTRIENTS *******

WORKSHOP RH-1:
Chemical weathering and landscape development
WEDNESDAY
AFTERNOON

Organizers: Bill McDowell (LUQ), Dave Long (KBS), Berry Lyons (MCM) and, tentatively, Gwen Macpherson (KNZ) and Carl Bowser(NTL)

• [ABSTRACT](#)

WORKSHOP RH-2:

Controls on nutrient exchange processes between terrestrial and aquatic ecosystems
THURSDAY MORNING

Organizers: Alan Yeakley (CWT), Steve Wondzell (HJA)

• [ABSTRACT](#)

WORKSHOP RH-3: Links between herbivores, trees, and nitrogen cycling.
THURSDAY AFTERNOON

Organizer: Kevin Kosola (KBS)

• [ABSTRACT](#)

WORKSHOP RH-4: The enigma of occult N in ecosystems
FRIDAY MORNING

Organizers: E. A. Paul, S. J. Morris. Michigan State University.

• [ABSTRACT](#)

WORKSHOP RH-5: Ecosystem-level nutrient dynamics: cross-comparisons
FRIDAY AFTERNOON

Organizer: Baker (CAP)

• [ABSTRACT](#)

WORKSHOP RH-10: Soil resource heterogeneity and ecosystem processes: relevance, applications, and analysis.
FRIDAY AFTERNOON

Organizers: S.J. Morris(KBS), and S.G. Baer (KNZ).

• [ABSTRACT](#)

Listed in Social and economic research in LTER on the Registration Page

WORKSHOP RH-15: Long- and short-term sequestration and release of soil C, nutrients, microbes, and mesofauna by soil aggregates. Projects: WWW database and data from KBS/LTER
FRIDAY AFTERNOON

Organizer: Alvin Smucker, MSU/KBS/LTER/NSF

• [ABSTRACT](#)

Listed in "Educational Programs" on the Registration Page

******* ORGANIC MATTER DYNAMICS/PRIMARY PRODUCTIVITY*******

WORKSHOP OM-1: The role of light fraction and particulate organic matter in intensively managed systems.
WEDNESDAY AFTERNOON

Organizer: Ann-Marie Ezanno (KBS), Chris Blackwood (KBS), and Johan Six (NREL)

• [ABSTRACT](#)



WORKSHOP OM-2: Long-term decomposition studies in the LTER Network.
THURSDAY MORNING

Organizer: Mark Harmon (AND)

• [ABSTRACT](#)

WORKSHOP OM-3: Dissolved organic matter (C & N) in soil interstitial water, lakes and streams: approaches for functional characterization
THURSDAY AFTERNOON

Organizers: Diana McKnight (MCM)

• [ABSTRACT](#)

WORKSHOP OM-4: Primary productivity in forests: Status of research and planning for the future.
FRIDAY MORNING

Organizer: Tim Fahey (HBR)

• [ABSTRACT](#)

WORKSHOP OM-5: Biodiversity and Net Primary Productivity demonstration projects for ILTER and GTOS.
FRIDAY AFTERNOON

Organizer: Jim Gosz (SEV)

• [ABSTRACT](#)

******* POPULATION STUDIES/BIODIVERSITY *******

WORKSHOP PS-1: Studies of fungi at LTER sites
WEDNESDAY AFTERNOON

Organizer: Mike Allen (SEV)

• [ABSTRACT](#)

WORKSHOP PS-2: Non-indigenous, invasive species: Causes and effects of global change.
THURSDAY MORNING

Organizers: T.R. Seastedt (NWT) and Laura Huenneke (JRN)

• [ABSTRACT](#)

WORKSHOP PS-5: The DIVERSITAS - International Biodiversity Observation Year: raising the profile of biodiversity science. Where are we now and what more is needed?
FRIDAY AFTERNOON

Organizer: Diana Wall (MCM)

• [ABSTRACT](#)

WORKSHOP PS-6: Strategies for examining the effects of species interactions on ecosystem processes: do different research strategies yield consistent results?
WEDNESDAY

Organizers: Scott Cooper (SBC), Robin Ross (MCM), and Joel Trexler (FCE)

• [ABSTRACT](#)

AFTERNOON

WORKSHOP PS-7:

Arthropod studies in the LTER Network: Current assessments, cross-site activities, and future directions.

Organizers: B. Parmenter (SEV), S. Gage (KBS), S. Faeth (CAP), and N. McIntire (CAP)

• [ABSTRACT](#)

THURSDAY MORNING

WORKSHOP PS-8:

Biodiversity, disturbances, and climate variability in arid and semiarid grasslands: A global synthesis.

Organizers: Edit Kovacs Lang (Hungary), Jim Gosz (SEV), Debra (Coffin) Peters (JRN)

• [ABSTRACT](#)

THURSDAY AFTERNOON

WORKSHOP PS-9:

Removal experiments on the role of biodiversity in ecosystem functioning **Part I.**

Coordinators: F. S. Chapin III (BNZ) and Sandra Diaz (Argentina)

• [ABSTRACT](#)

FRIDAY MORNING

WORKSHOP PS-10: Removal experiments on the role of biodiversity in ecosystem functioning **Part II.**

Organizer: F. S. Chapin III (BNZ) and Sandra Diaz (Argentina)

• [ABSTRACT](#)

FRIDAY AFTERNOON

WORKSHOP PS-11: Long-term studies on trophic interactions in aquatic ecosystems

Organizer: Tadeusz Prus (Poland), Francisco Barbosa (Brazil), Mirosława Prus (Poland) and Pawel Bijok

• [ABSTRACT](#)

WEDNESDAY
AFTERNOON

WORKSHOP PS-12: Stable isotopes in aquatic food web research: pitfalls and potentials.

Organizer: David F. Raikow (KBS)

• [ABSTRACT](#)

THURSDAY MORNING

WORKSHOP PS-13:

Monitoring the status of biodiversity in tropical forest habitats.

Organizers: Claude Gascon (Brazil), Gustavo Fonseca (Brazil), Tom Lacher (Texas A&M University)

• [ABSTRACT](#)

THURSDAY AFTERNOON

WORKSHOP PS-14: Soil and sediment infauna studies in LTER and ILTER sites

Organizers: David C. Coleman (CWT) and Diana H. Wall (MCM)

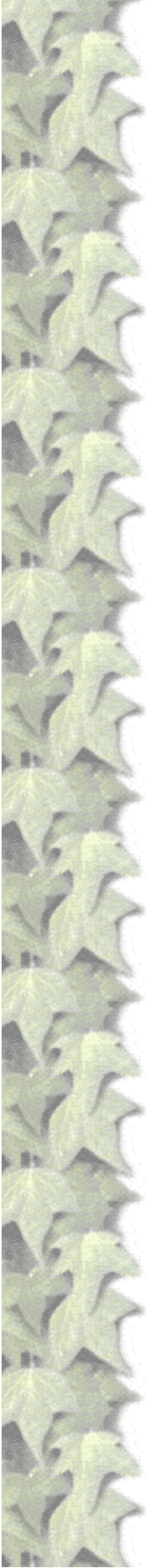
• [ABSTRACT](#)

FRIDAY MORNING

WORKSHOP PS-15: The articulation and dissemination

Organizer: Nalini M. Nadkarni (Evergreen State)

• [ABSTRACT](#)



of a research agenda for cross-site and collaborative research in forest canopy studies at the LTER Network
FRIDAY AFTERNOON

***** **LANDSCAPE STUDIES AND SCALING** *****

WORKSHOP LS-1: Scaling from sites to a region: Incorporating landscape processes into regional analyses.

Organizers: Debra (Coffin) Peters (JRN) and David Foster (HFR)

• [ABSTRACT](#)

WEDNESDAY
AFTERNOON

WORKSHOP LS-2: Interactions and feedbacks between plots and landscapes: Scaling processes through time and space.

Organizers: Debra (Coffin) Peters (JRN), Jeff Herrick (JRN) and Kris Havstad (JRN).

• [ABSTRACT](#)

THURSDAY MORNING

WORKSHOP LS-5: Fundamental questions that define regional analysis.

Organizers: D. Ojima, J. Helly, S. Gage

• [ABSTRACT](#)

THURSDAY AFTERNOON

WORKSHOP LS-4: The role of land surface processes in affecting weather and climate.

Organizer: Roger Pielke (SGS)

• [ABSTRACT](#)

FRIDAY MORNING

***** **EDUCATIONAL PROGRAMS IN LTER** *****

WORKSHOP ED-2: Using site/schoolyard/campus LTER projects (and plots) to conduct long-term investigations

Organizers: Monica Elser, Education Liaison, et. al (CAP) at and Richard Boone, BNZ

• [ABSTRACT](#)

THURSDAY MORNING

WORKSHOP ED-3: Learning from LTER Data in K-12 Classrooms

Organizer: Marianne Krasny

• [ABSTRACT](#)

FRIDAY MORNING

***** **SOCIAL AND ECONOMIC RESEARCH IN LTER** *****

WORKSHOP SE-1: Spatial and temporal scales issues in

Organizer: Peter Nowak (NTL)

• [ABSTRACT](#)

the social and ecological sciences.

WEDNESDAY
AFTERNOON

WORKSHOP SE-2:

Strategies for the integration of social, life, and earth sciences for the LTER network.

THURSDAY MORNING

Organizers: Jennifer Edmonds (CAP) and Morgan Grove (BES)

• [ABSTRACT](#)

[SEE WEB SITE FOR THIS WORKSHOP](#)

WORKSHOP SE-3: Data: methods, tools, and protocols for integrated research
THURSDAY AFTERNOON

Organizer: Morgan Grove (BES)

• [ABSTRACT](#)

WORKSHOP SE-4: A framework for integrating core social science areas for the LTER Network and opportunities for cross-site comparisons
FRIDAY MORNING

Organizers: Morgan Grove (BES) and Chuck Redman (CAP)

• [ABSTRACT](#)

WORKSHOP SE-4: Soil resource heterogeneity and ecosystem processes: relevance, applications, and analysis.

Organizers S.J. Morris(KBS), and S.G. Baer (KNZ).

• [ABSTRACT](#)

***** **LAND-MARGIN WORKSHOPS** *****

WORKSHOP LM-1:
Potential intersite stream studies.
WEDNESDAY
AFTERNOON

Organizer: Sherri Johnson (AND) and Stanley V. Gregory (AND)

• [ABSTRACT](#)

WORKSHOP LM-2:
Development of coupled hydrological-biogeochemical models of materials transport at the landscape scale.
THURSDAY MORNING

Organizers: John Melack, Tom Dunne & Nancy Grimm (CAP)

• [ABSTRACT](#)

WORKSHOP LM-3: The small watershed approach: New frontiers in intersite comparisons.
THURSDAY AFTERNOON


Organizers: Peter Groffman (HBR) and Charles Driscoll (HBR)

• [ABSTRACT](#)

WORKSHOP LM-4:

Organizers:J. Morris & C.

• [ABSTRACT](#)



Regulation of Organic Matter
Preservation in Wetland
Sediments.

FRIDAY MORNING

Hopkinson (PIE), I. Anderson
(VCR), R. Jaffe (FCE), S.
Pennings (GAC)

WORKSHOP LM-5:

Microbial biogeography:
cross-site comparison of
aquatic systems.

FRIDAY AFTERNOON

Organizer: T. Hollibaugh(co-
organizer J. Prischu)

• [ABSTRACT](#)

******* GRADUATE STUDENT WORKSHOPS *******

A. Graduate Student Seminars: The primary emphasis of these seminars is the education of those who are interested in, but are not currently familiar with the topic. We have a [web-based sign up for these seminars](#).

WORKSHOP GW-1: An
Introduction to GIS

WEDNESDAY
AFTERNOON

Organizer: Deana Pennington
(AND)

• [ABSTRACT](#)

WORKSHOP GW-2: Career
Development Workshop.

THURSDAY MORNING

Organizer: Erica Hoffa (AND)

• [ABSTRACT](#)

WORKSHOP GW-3:

Remote Sensing Seminar
THURSDAY AFTERNOON

Organizer: Erica Hoffa (AND)

• [ABSTRACT](#)

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