

University of New Mexico

## UNM Digital Repository

---

Long Term Ecological Research Network

Long Term Ecological Research (LTER)

---

10-1-1998

### Coordinating Committee Meeting, Madison, Wisconsin, October, 1998

Long Term Ecological Research Network

Follow this and additional works at: [https://digitalrepository.unm.edu/lter\\_reports](https://digitalrepository.unm.edu/lter_reports)

---

#### Recommended Citation

Long Term Ecological Research Network. "Coordinating Committee Meeting, Madison, Wisconsin, October, 1998." (1998). [https://digitalrepository.unm.edu/lter\\_reports/63](https://digitalrepository.unm.edu/lter_reports/63)

This Minutes is brought to you for free and open access by the Long Term Ecological Research (LTER) at UNM Digital Repository. It has been accepted for inclusion in Long Term Ecological Research Network by an authorized administrator of UNM Digital Repository. For more information, please contact [disc@unm.edu](mailto:disc@unm.edu).

## MINUTES

# Long Term Ecological Research Coordinating Committee Meeting: Northern Temperate Lakes LTER Program Madison, Wisconsin

OCTOBER 16-18, 1998

LTER Business meeting notes: John Vande Castle, last edited 10/23/1998

Chair: James Gosz

Science Theme: "Linking natural and socioeconomic processes: long term human interactions with the landscape."

### Attendee List:

AND- ARTHUR MCKEE, BRUCE SHINDLER, MARK E. HARMON, AND/NWT, DAVID GREENLAND, ARC- GUS SHAVER, BES- STEWARD PICKETT, J. MORGAN GROVE, BNZ- TERRY CHAPIN, TRISH WURTZ, CAP- CHARLES L. REDMAN, ELIZABETH K. BURNS, NANCY B. GRIMM, CDR- JOHANNES (JEAN) KNOPS, SHAHID NAEEM, CWT- DAVID NEWMAN, TED GRAGSON, HBR- STEVEN HAMBURG, HFR- DAVID FOSTER, DEBORAH LAWRENCE, JRN- LAURA HUENNEKE, KBS- CHRISTOPHER VANDERPOOL, CRAIG HARRIS, PHIL ROBERTSON, KNZ- GREG HOCH, JOHN BLAIR, LUQ- JESS K. ZIMMERMAN, MCM- BERRY LYONS, NET- JOHN VANDE CASTLE, ROBERT B. WAIDE, JAMES GOSZ, NSF-BRUCE HAYDEN, CHRISTINE FRENCH, NTL- STEVE CARPENTER, TIM KRATZ, JOHN MAGNUSON, TOM FROST, NWT- TIM SEASTEDT, PAL- BILL FRASER, RAYMOND C. SMITH, PIE - CHARLES S. HOPKINSON, SEV- ROBERT R. PARMENTER, SGS- INGRID BURKE, MYRON GUTMANN, VCR DON YOUNG, JOHN PORTER , Dennis Productions- JONATHAN SWINCHATT

### Summary Actions/Recommendations

verb

- Working Group/Standing Committee on Social/Economic Science Development in LTER
- Data Managers will make a list of resources available across the LTER Network to facilitate successful Postdoc proposals in Bioinformatics
- Develop information to guide site proposals for expected competitions for Environmental Observatories; a) intensive measurement site, b) extensive/distributed measurement network. This would be the responsibility of Tech. Comm.
- All Scientist Meeting - 2000; Work toward synthetic keynote talks in the morning, maximize workshop topics in afternoon and evenings, maximize roles/opportunities for student involvement
- ? ○ Money for workshops; organizers can develop in a variety of ways
- Recommendation to NSF: keep supplement request opportunities broad; allow cross-site, REU, site infrastructure development; provide sufficient time to develop cross-site requests, i.e., early Dec.
- National Advisory Board:
  - Suggestions for Board Members
  - National Advisory Board Information Need; survey request starting next week
- Publication Committee will develop guidelines for site volumes based on experiences from current interactions with Oxford; will develop guidelines for ILTER efforts to consider

- an ILTER Publications Committee will be developed to facilitate ILTER synthesis volumes
- Recommendation to collaborate with DIVERSITAS/IBOY?
- Develop web page for site descriptions of social-economic research
- Develop 1-2 page Science Stories
- Expand the Technology Committee to 1 representative per site; develop funding levels to follow the model of the Data Managers Committee, *meeting*
- Data Managers will develop library of site capabilities in information management to facilitate proposal development by sites for postdocs in bioinformatics

- Next Meetings
- Spring CC Meeting
  - Puerto Rico
  - April 22,23
- Fall CC Meeting
  - Hubbard Brook
  - Oct. 1,2,3: "Disturbance and Recruitment Dynamics"
- No Spring CC meeting in 2000
- All-Scientists Meeting August 2000
- Executive Committee Recommendation:
  - ... involve more executive, coordinating committee, and LTER members in representing LTER interests in meetings with other agencies, countries, etc.

## Powerpoint Presentations:

James Gosz: Meeting outline and Agenda

Robert Waide: Network

John Vande Castle GT-NET Deonstration Project and Technology Committee

John Porter Data Management Committee

Jess Zimmerman: Puerto Rico/Hurricane Georges

## CC Meeting Introduction:

John Magnuson welcomed the LTER CC to Madison and the North Temperate Lakes LTER. Introductions of participants around the room was made and Jim Gosz presented the revised agenda for the meetings.

## NSF Report:

Bruce Hayden discussed current activities at the National Science Foundation. He described the future initiatives, in particular the "LEE" initiative. This initiative, Life and Earth's Environment has subthemes of Global Change, Human Dimensions of Global Change, and Biodiversity and Ecosystem Dynamics. This initiative will include Observatory initiatives related to biodiversity and microbial observatories. The observatory concept is meant as a concept and is not well defined. Short, 4-5 page white papers documenting activities would be welcomed by NSF. Call for proposals related to Microbial Observatories will be out from NSF this fall with proposals perhaps due early in 1999. He also encourage LTER to submit proposals to the next call for proposals to the Knowledge and Distributed Intelligence (KDI). He also suggested watching for bioinformatics postdoctoral (archival, metadata etc.) He suggested that the LTER IM group document what resources are available within the LTER and ITER network. A travel component could be part of the postdoctoral activities. Postdoc opportunities related to Observatories may be scheduled in the future. The LTER community should be able to take advantage of the new initiatives because of its basic infrastructure. [Distributed observatories that are networked Supplements related to Teacher/Schoolyard activities, REU work, and potential for other activities that is still under discussion.] The LTER CC expressed interest in cross-site activities, and Bruce suggested that discussions at the program director (i.e. Scott Collins) would be the best place to communicate the ideas. He also mentioned that the a large number of activities related to Observatories at NSF will probably be merging as a "population of activities" at NSF.

## National Advisory Board Meeting:

Bob Waide discussed the upcoming (December) LTER National Advisory Board (NAB) meeting Paul Risser, the NAB chair provided some suggestions on information needed. For preparation, LTER will need to accumulate data on LTER achievements - bullets, site statistics such as students, postdocs, and cross-site publications. For the NAB meeting, a web page and presentations will be set up, and a dry run of the presentations will be made. Other NAB members include Anne Bartuska, Bill Heal, Jim Beach, Bob Robbins, ~~Hilary Swain (to be asked), and Rebecca Sharitz (to be asked).~~

The basic agenda for the NAB meeting will include:

- NSF's vision for the LTER Network, presented by an NSF representative
- Achievements of the LTER Program
- LTER context in National Priorities
- Progress since the last 10 year ~~reay~~ Review
- Role of the Network Office
- Information Management and the Network Information System (NIS)
- Cross-site and regionalization efforts
- Partnerships
- International LTER
- Visions for the Future - observatories, education and socio-economic activites
- Open discussion

Integrated  
Concept  
Challenge

LEXAN

\*

The afternoon of the second day will be used by the committee for report writing prior to their departure.

The web page for the NAB meeting will be put up by November 15 with a packet of information sent to participants by November 22.

### All Scientists Meeting - ASM 2000:

Robert Parmenter provided a preliminary agenda for the planned LTER All Scientists Meeting. The LTER ASM 2000 will begin on Tuesday with ESA starting the following Sunday. ESA will provide seamless registration for both the LTER ASM and ESA, with 600 rooms blocked out for LTER.

Discussion by the CC suggested that plenty of time be available for workshops rather than simple paper sessions since this will be done at ESA. Shorter plenary talks would be useful in the mornings with potential for multiple papers on some days.

The preliminary agenda will be placed on the LTER web page for feedback.

### Publications:

Phil Robertson presented information related to the Oxford publication series. The Konza publication is out and worked well. The Soils Methods synthesis is in the copy-edit state and should be published by the end of the year. A large number of sites have chapters, and this information. An outline or guideline template will be placed on the web for reference to sites wanting information on how to submit publications to Oxford. Jim Gosz mentioned that the LTER Executive Committee (EC), discussed use of the LTER Oxford series by Networks of the International LTER community. Discussion by the CC thought this was good, with attention to quality control. The publications committee will discuss this further for general organization.

### LTER-SCSC Modeling Workshop:

Robert Waide reported on new initiatives related to a workshop to be held December 15-18 at San Diego to investigate the use of SDSC facilities to advance LTER science. Resources include a co-funded person at SDSC, and an NPACI funded post-doc at the LTER Network Office with additional monies for workshops. Goals include short-term, high impact activities in collaboration with KSU, and development of longer term projects.

### Observatories:

John Hobbie reported on LTER activities related to Microbial Observatories. The synopsis of microbial work by LTER sites is on the web, and available for download at "[http://www.lternet.edu/technology/microbial\\_ecology](http://www.lternet.edu/technology/microbial_ecology)". A white paper has been produced by the LTER microbial ecology committee ([microbes@lternet.edu](mailto:microbes@lternet.edu)) and a presentation was made by the committee to NSF. An announcement related to potential funding for microbial observatories from NSF-MCB (Molecular and Cellular Biology). It isn't yet known exactly what will be included in the announcement. The LTER white paper on this will also be placed on the web.

Bruce Hayden presented information related to Biodiversity Observatories. A workshop was held in September related to this by NSF and the report is on the web. Basic infrastructure is expected to include networked sites including location information. The web page report has a way to offer feedback related to the report and NSF welcomes information related to this activity. There will also be a follow-on workshop.

A related activity, DIVERSITAS/IBOY is an international observatory effort that will be important to pay attention to. A draft paper to be submitted to BIOSCIENCE report on this activity.

There has not been a large amount of information related to Environmental Observatory work, but technological information and is still associated with the technology committee. Bruce Hayden

emphasized that Environmental Observatory efforts be focused on two areas, one related to what activities could be done at a large number of areas and a second related to **where** very expensive activities should be performed. It will be important to document the best places to perform observations that would not be practical or economical to place at a large number of sites.

#### **Network Discussion:**

Bob Waide led a discussion by the CC related to the LTER Network composition. Feedback from the LTER PI and the LTER EC suggested that recommendations by the previous LTER 10 Year Review are a good guideline. Future sites perhaps from the LMER or congressional mandate will bring the LTER Program to about 25 sites as recommended. Funding has been a limitation to the LTER Science, and US agency involvement will still be important for similar work. The LTER EC put together a vision statement to be part of future discussion, which will be added to the LTER "VISIONS" web page currently under development at NET.

#### **LTER Visions:**

Bob Waide presented information related to the need for information for planning purposes in the form of vision statements and documents. These will be placed on the LTER web page as planning documents to be used for future activities. The planning documents could be used by agencies including NSF. John Hobbie mentioned that similar information has been used by other groups. The vision statements could also be used as 1-2 page documents. The vision statements would be valuable for use at the December NAB meeting, and later for use by the LTER Executive Committee in discussions with NSF, such as at the next LTER Executive Committee Meeting in Washington next February. The committee agreed unanimously to continue with the work.

#### **Climate Dynamics and Ecological Processes:**

Ray Smith discussed LTER synthesis efforts from the previous workshop on climate dynamics. A committee has been formed to work up these efforts consisting of Glenn Juday, Ray ~~smith~~ John Magnuson and David Greenland. The current web page related to this effort is on the PAL Webpage at: <http://www.crseo.ucsb.edu/lter/projects/ecoclimagte98/>. Information was sent out to people previously interested people but the committee has not received much feedback. The CC showed interest in this work and suggestions to continue, including involvement of the LTER datamanagement community with the work. The committee agreed unanimously to continue with the work.

#### **LTER/ILTER Filming: *John***

Jonathan Swinchatt from Dennis Productions described ongoing efforts to produce documentary video for both the LTER and ILTER programs. Information regarding this activity was first presented at the previous LTER CC meeting at the Shortgrass Steppe LTER. He described the current activities to put together a full proposal for this activity to be funded by NSF and other sources. The proposal is for a series of television and video programs to be used for a variety of audiences. The primary products are broadscale broadcast products such as a 1 hour video that would It would highlight research and activities of the LTER program to be shown first at the Year 2000 All Scientists Meeting and later for more general television broadcast. A secondary product will be a short and more direct description of LTER to be used for more focused audiences such as NSF and other agency use.

#### **Education and LTER Schoolyard:**

Jim Gosz presented current information on past supplements for education activities and mentioned that similar funds would be available. A committee meeting/workshop consisting of representatives from 11 sites will be held next week. The committee agreed unanimously to continue with the work.

#### **LTER Technology Committee:**

John Vande Castle presented information regarding the status of the current technology committee and a recommendation from the review panel of the LTER Network Office cooperative agreement that the Technology Committee be structured similar to the current data managers committee. An amended motion was made for the formation of a committee with a representative from each site and a future organizational meeting supported by the Network Office. This was approved unanimously.

*imp. act.  
Read  
report*

*\* look  
this up.*

**LTET Student Committee:**

Greg Hoch showed the list of current graduate student representatives and requested information for updates if needed. The graduate student meeting at ESA was attended by about 40 students from 15 sites. A subcommittee has been formed to organize activities at the upcoming all scientists meetings. Ways to involve both graduate and undergraduate students at the meeting [such as helping with logistics, having the students present information in their intersite workshop] Christine French mentioned that the recent student LTER exchange to Taiwan was very successful and also requested that LTER PI's work to have their database records up to date.

**LTET Student Committee:**

John Porter described current activities of the LTER datamangement group including work from this year's datamangement workshop. The report from the meeting is in progress and will be available on the LTER Web pages. The information he presented included current work on the structures of the LTER Information System (LTER IMS) which is a major activity of the committee. Changes in the governance of the committee. The committee requested . . . ?

NIS

**Network Office Activities:**

Bob Waide discussed current work at the LTER Network Office such as the major web page revision, and long list of LTER publications including a LTER brochure, reports and site brochures. It was recommended for products from the LTER science meetings and at least abstracts of papers will be placed on-line. He covered information . . . ?

ILTER list? KDI schmozzo Netdon? Outreach presentations

**LTER Data Management Committee:**

John Porter described the ongoing efforts of the LTER Data/Information Management Committee. The committee is currently focusing on the development of the LTER Information Management System (LTER IMS) which is described in detail within the 1998 LTER Data and Information Management Report to be placed on-line very soon. The current report is 47 pages long and is undergoing final edits. John's Powerpoint presentation can be accessed directly at "http://www.lternet.edu/~jporter/im98".

**International LTER:**

Jim Gosz and Christine French presented information on recent international LTER efforts. The 1998 ILTER symposium at INTECOL was described, and information related to this will be updated on the ILTER web pages (<http://www.ilternet.edu>). The recent expansion of the number of Networks, Countries and Sites was also emphasized.

Summary of socioeconomic meeting TEMS/Modis

## **Agenda**

**Thursday, October 15 - LTER Executive Committee Meeting**

**Friday, Oct. 16 - Agenda: LTER CC Business Meeting**

8:00 Welcome and Logistics (Magnuson)  
8:15 NSF Report (Hayden)  
8:45 National Advisory Board (Waide)  
9:15 All Sci. Meeting (Parmenter)  
9:45 SDSC Modeling Workshop (Waide)  
10:00 Break  
10:20 Publications Comm. Rpt. (Robertson)  
10:40 Observatories  
    Microbial (Hobbie)  
    Biodiversity (Hayden)  
    Technology (Burke/Vande Castle)  
11:30 Future of the Network (Waide)  
  
12:00 Lunch

**Afternoon Field Trip**

**Sunday, Oct. 18**

8:00 Vision Statements  
8:15 Education/LTER Schoolyard  
8:30 Science Stories (Gosz)  
8:45 Climate and Ecol. Theme (Smith)  
9:00 LTER Filming (Swinchatt)  
9:10 Committee Reports  
    Graduate Student (Hoch)  
    Data Managers (Porter)  
    Technology (Vande Castle)  
    Network Office Status (Waide)  
  
10:00 BREAK  
10:15 TEMS/MODIS Demo (Vande Castle)  
10:45 ILTER Workshops (Gosz/French)  
11:00 Final Actions/Recommendations  
12:00 Next Meetings & Closing

**Saturday, October 17**

08:00 Welcome and Introduction - Tom Heberlein -Social Science in the Augmented and Urban Sites  
  
08:15 Coweeta: Ted Gragson, Dave Newman  
  
09:00 Northern Temperate Lakes: Brad Jorgensen, Pete Nowak, Paul Voss, and Others  
  
09:45 Baltimore Ecological Study: Morgan Grove



10:15-10:30 Break

10:30 Central Arizona Project: "Rural to Urban Land Conversion in Phoenix: The Ecology of a City." Elizabeth K. Burns, Patricia Gober, Kimberly Knowles-Yanez, and Jeffrey James.

**11:00 Keynote Presentation**

The Ecosystem-Economy Relationship: Insights from Six Forested LTER Sites -Ed Whitelaw  
President, ECONorthwest ,Professor of Economics, University of Oregon

**11:45-12:45 LUNCH BREAK**

12:45 Andrews Experimental Forest: "Examining Change in Socio-political Patterns in the Central Cascades: Longitudinal Research at the H.J. Andrews Experimental Forest." Bruce Shindler.

01:15 Sevilleta: Human/economic/social history of the Sevilleta LTER site (1200 AD to present).  
Bob Parmenter.

01:30 Socioeconomic history of land use in Puerto Rico. Jess Zimmerman (Not Confirmed)

02:00 Socioeconomic and environmental relationships in the Great Plains. Myron Guttman (Not Confirmed)

**DISTURBANCES, CAUSES, AND EFFECTS**

02:30 "The Role of Human Disturbance in Ecosystem Structure and Function. Steve Hamburg

03:00 Plum Island: Charles S. Hopkins and Cutler Cleveland

03:30 Sociological and climatic controls over fire regime in the boreal forest." Terry Chapin.

03:45 The social and ecological consequences of cedar expansion into grasslands in the Flint Hills.  
Greg Hoch.

04:00 MCM, Tourism and Science Impacts. Berry Lyons.

04:15 Palmer Station: "Tourism Impacts." Bill Fraser (Unconfirmed)

Program Ends at 4:30

4:30-5:30 Discussion for all those interested --  
"Integrating Themes and Identifying Opportunities"