
Long Term Ecological Research Network Office 2011 Evaluation

Summary Report of Web Survey Results

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About the Survey

❖ Design

- Based on 2009 instrument with minor modifications.
- Web-based instrument programmed into SurveyMonkey.

❖ Potential Respondents

- All LTER-affiliated personnel; original list had 1,983 potential respondents
- 14 participants had previously opted out of all SurveyMonkey contacts and did not have the opportunity to participate
- 6 emails bounced with no follow-up information available.
- Total respondents: 467 with 452 used in analysis (15 of the partial surveys did not meet minimum criteria for inclusion).

❖ Recruitment Contacts

- April 19, 2011 Email from LNO Board to potential participants
- April 20, 2011 First invitation to participate, with a unique link to the survey.
- April 25, 2011 Survey Reminder
- April 28, 2011 Survey Date Extended Announcement
- May 2, 2011 Email from R. Waide
- May 4, 2011 Final Reminder

Survey Highlights

❖ Respondents

- Of the 23 sites, Kellogg (KBS) had the most participants (8.3%); all sites had at least 7 respondents; 2.9% of respondents indicated they were not affiliated with any particular site.
- A quarter of respondents (25.0%) indicated they were current graduate students (and student interns). Other categories representing more than 10% of respondents: Co-Pi, 17%; Visiting Researcher/Collaborators, 11.7%; and Technical/Program personnel, 10.8%.

❖ Information Managers

- 25 information managers responded to the survey with 60% indicating their level of expertise with EML as High or Very High.
- 94% state they request EML implementation assistance from LNO staff *a few times a year or less*.
- When they are aware of the data and EML-related services and functions offered they are satisfied with those services.
- They are more confident in the security of the LNO site and databases than in 2009 (64% choosing 9 or 10 on the confidence scale in 2011; 44.8 in 2009).

❖ Notable Changes Over Time (comparisons from 2009 to 2011)

- The reported submission of requests to the request tracking system has decreased 2.4%; as have satisfaction with the timeliness and usefulness of LNO responses to their problems.
- There are *increases* in the reported use of email group lists, video conferencing, the Image Archive, the Data Catalog, and in submission for proposals and participation in meetings and training offered by LNO.
- There have been *decreases* in the reported use of: @Internet.edu mail aliases, personnel directory, LTER Bibliography, the Climate Database, and the Remote Sensing Archive.
- There appears to be no real change in the use of the Hydrographic Database or the Document Archive.

LNO Evaluation 2011 Selected Survey Results

These results focus on those who said they **did not use** a particular service provided by LNO; tables are the frequency distributions for each category of self-identified 'role at research site,' plus the verbatim 'other' answers where provided.

Self-identified Role at Site (Recoded)

Which one of the following best describes your role at your research site?

	Frequency	Percent
Admin/Mgmt	2	.4
Co PI	77	17.0
Education Coordinator/Researcher	28	6.2
Former Student/Researcher	16	3.5
Graduate Student	113	25.0
Information Manager	26	5.8
Lead PI	28	6.2
Post-doctoral Researcher	23	5.1
Site Scientist/Educator	37	8.2
Technician/Lab Program	49	10.8
Visiting Researcher/Collaborator	53	11.7
Total	452	100.0

Q14) For what reason did you not submit your request to the request tracking system at tech_support@lternet.edu or office_support@lternet.edu?

Q3 Site Role by Q14 Reason Did Not Use Request Tracking System

			Had other concerns	Had other time concerns	Needed the information immediately	Other	Too impersonal	Unaware of request tracking system	Wasn't sure my question was appropriate for this system	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	0	0	0	0	0	1	0	1
		%	.0%	.0%	.0%	.0%	.0%	100.0%	.0%	100.0%
	Co PI	Count	0	0	0	5	0	6	0	11
		%	.0%	.0%	.0%	45.5%	.0%	54.5%	.0%	100.0%
	Education Coordinator/Researcher	Count	0	0	2	1	0	4	1	8
		%	.0%	.0%	25.0%	12.5%	.0%	50.0%	12.5%	100.0%
	Graduate Student	Count	0	0	1	1	2	2	1	7
		%	.0%	.0%	14.3%	14.3%	28.6%	28.6%	14.3%	100.0%
	Information Manager	Count	0	1	4	3	0	1	2	11
		%	.0%	9.1%	36.4%	27.3%	.0%	9.1%	18.2%	100.0%
	Lead PI	Count	0	0	0	4	3	3	2	12
		%	.0%	.0%	.0%	33.3%	25.0%	25.0%	16.7%	100.0%
	Post-doctoral Researcher	Count	0	0	0	1	1	1	0	3
		%	.0%	.0%	.0%	33.3%	33.3%	33.3%	.0%	100.0%
	Site Scientist/Educator	Count	0	0	0	1	0	2	2	5
		%	.0%	.0%	.0%	20.0%	.0%	40.0%	40.0%	100.0%
	Technician/Lab Program	Count	1	0	0	0	1	2	1	5
		%	20.0%	.0%	.0%	.0%	20.0%	40.0%	20.0%	100.0%
	Visiting Researcher/Collaborator	Count	0	1	2	1	0	2	2	8
		%	.0%	12.5%	25.0%	12.5%	.0%	25.0%	25.0%	100.0%
Total		Count	1	2	9	17	7	24	11	71
		%	1.4%	2.8%	12.7%	23.9%	9.9%	33.8%	15.5%	100.0%

Verbatim other

Convenience/knew who I needed to contact

Asking in person is more convenient when clarifying needs
 Casual conversation
 was responding to an email from LNO staff about *specific subject*
 couldn't remember the email address for the list
 Easier to mail someone directly
 Had been communicating directly with staff person
 I just knew the right person to ask; pretty small community
 I knew exactly who to contact.
 I know staff that can answer my question
 In my case it is easy to walk across the hall and ask for assistance
 more expedient to contact the person who has responsibility for something

Needed to have a real time conversation with real time feedback
 specific question for specific staff member
 the question was specific to a person
 wanted to reach someone specifically
 Wanted to say Hi to LNO staff member

Concerns

didn't think it worked well from past experience
 Question from Feb 2009 languishes in Request Tracker; On simple issues should go to Request Tracker
 response to system is erratic

Miscellaneous

Wasn't aware of this and plus, it wouldn't have been appropriate

Q20) Why don't you use the @lternet.edu mail aliases to contact individuals in the LTER network?

Q3 Site Role by Q20 Reason Did Not Use .lternet.edu Mail Alias

			Have not had the need	It's easier to use another email address	Not familiar with the mail alias system	Other (please specify)	They are often incorrect	Too time consuming	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	1	1	0	0	0	0	2
		%	50.0%	50.0%	.0%	.0%	.0%	.0%	100.0%
Co PI		Count	21	28	17	0	0	1	67
		%	31.3%	41.8%	25.4%	.0%	.0%	1.5%	100.0%
Education Coordinator/Researcher		Count	6	7	10	0	1	0	24
		%	25.0%	29.2%	41.7%	.0%	4.2%	.0%	100.0%
Former Student/Researcher		Count	8	3	1	1	0	0	13
		%	61.5%	23.1%	7.7%	7.7%	.0%	.0%	100.0%
Graduate Student		Count	31	20	52	0	0	0	103
		%	30.1%	19.4%	50.5%	.0%	.0%	.0%	100.0%
Information Manager		Count	4	10	0	0	1	0	15
		%	26.7%	66.7%	.0%	.0%	6.7%	.0%	100.0%
Lead PI		Count	4	12	2	0	1	1	20
		%	20.0%	60.0%	10.0%	.0%	5.0%	5.0%	100.0%
Post-doctoral Researcher		Count	7	6	7	0	0	0	20
		%	35.0%	30.0%	35.0%	.0%	.0%	.0%	100.0%
Site Scientist/Educator		Count	11	10	10	1	0	0	32
		%	34.4%	31.3%	31.3%	3.1%	.0%	.0%	100.0%
Technician/Lab Program		Count	20	8	15	1	0	0	44
		%	45.5%	18.2%	34.1%	2.3%	.0%	.0%	100.0%
Visiting Researcher/Collaborator		Count	26	11	6	0	0	0	43
		%	60.5%	25.6%	14.0%	.0%	.0%	.0%	100.0%
Total		Count	139	116	120	3	3	2	383
		%	36.3%	30.3%	31.3%	.8%	.8%	.5%	100.0%

Verbatim other

Easier to use other addresses

I have always used individuals work email addresses
 I know the contacts already
 i use university addresses of those affiliated with LTER
 Of the people I know well, I use their real email address, of the people I don't I do a web search and that provides their institutional address
 Usually already have the direct address

Concerns with @lternet.edu system.

It always looks like spam on my end, so I assume it does on the other.

not familiar, easy enough without it, who needs another thing to remember?

some are linked to email addresses that are not checked regularly/are not the main email address
 Sometimes they don't work -- <<colleague>> emailed me once at alias, and email didn't reach me
 they are not kept up to date

internet search usually comes up off google faster

Miscellaneous .

relatively new as LTER PI
 It is a rather confusing web page
 (2) do not have that address anymore

Q24) Why don't you use the LNO-established e-mail group lists to contact groups within the LTER Network?

Q3 Site Role by Q24 Reason Did Not Use Email Group Lists

			Don't know which ones exist or who they reach	Have not had the need	It's easier to use another group mail function	No need to do this	Other (please specify)	Wasn't aware it was offered	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	0	1	0	0	0	0	1
		%	.0%	100.0%	.0%	.0%	.0%	.0%	100.0%
	Co PI	Count	22	36	4	1	0	0	63
		%	34.9%	57.1%	6.3%	1.6%	.0%	.0%	100.0%
	Education Coordinator/Researcher	Count	7	13	0	0	0	0	20
		%	35.0%	65.0%	.0%	.0%	.0%	.0%	100.0%
	Former Student/Researcher	Count	4	8	0	0	0	0	12
		%	33.3%	66.7%	.0%	.0%	.0%	.0%	100.0%
	Graduate Student	Count	32	64	4	0	0	0	100
		%	32.0%	64.0%	4.0%	.0%	.0%	.0%	100.0%
	Information Manager	Count	0	4	0	0	0	0	4
		%	.0%	100.0%	.0%	.0%	.0%	.0%	100.0%
	Lead PI	Count	5	13	1	0	2	0	21
		%	23.8%	61.9%	4.8%	.0%	9.5%	.0%	100.0%
	Post-doctoral Researcher	Count	7	14	0	0	0	0	21
		%	33.3%	66.7%	.0%	.0%	.0%	.0%	100.0%
	Site Scientist/Educator	Count	8	24	1	1	0	0	34
		%	23.5%	70.6%	2.9%	2.9%	.0%	.0%	100.0%
	Technician/Lab Program	Count	5	39	0	0	0	1	45
		%	11.1%	86.7%	.0%	.0%	.0%	2.2%	100.0%
Visiting Researcher/Collaborator	Count	12	31	1	0	0	0	44	
	%	27.3%	70.5%	2.3%	.0%	.0%	.0%	100.0%	
Total	Count	102	247	11	2	2	1	365	
	%	27.9%	67.7%	3.0%	.5%	.5%	.3%	100.0%	

Verbatim other

No Need

Have not had a big need to do so. I would use the established e-mail groups if the need arises
 I am only loosely affiliated with the *site name* LTER.
 I read it often, I personally haven't had the need to send to the entire group
 I use a few lists *in my role*.
 My research is on a different tangent than most of LTER

Unaware

never heard of it
 No need, and not sure what the groups are
 we forward these messages to the IM and s/he sends them to the appropriate group

Concerns

(2) not kept up to date

Q26) Why haven't you used the videoconferencing services provided by the LNO?

Q3 Site Role by Q26 Reason Did Not Use Video Conferencing Services

		Lack necessary connectivity	Lack necessary equipment	No need to do this	Other (please specify)	Time issues with other participants	Wasn't aware it was offered	Totals
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count 0	0	1	0	0	1	2
		% .0%	.0%	50.0%	.0%	.0%	50.0%	100.0%
Co PI	Count 4	3	28	2	0	28	65	
	% 6.2%	4.6%	43.1%	3.1%	.0%	43.0%	100.0%	
Education Coordinator/Researcher	Count 1	0	12	1	0	12	26	
	% 3.8%	.0%	46.2%	3.8%	.0%	46.2%	100.0%	
Former Student/Researcher	Count 0	2	7	0	0	5	14	
	% .0%	14.3%	50.0%	.0%	.0%	35.7%	100.0%	
Graduate Student	Count 3	2	69	2	0	30	106	
	% 2.8%	1.8%	65.1%	1.9%	.0%	28.3%	100.0%	
Information Manager	Count 0	0	1	0	0	0	1	
	% .0%	.0%	100.0%	.0%	.0%	.0%	100.0%	
Lead PI	Count 0	0	5	2	0	6	13	
	% .0%	.0%	38.5%	15.4%	.0%	46.5%	100.0%	
Post-doctoral Researcher	Count 0	0	13	0	0	6	19	
	% .0%	.0%	68.4%	.0%	.0%	31.6%	100.0%	
Site Scientist/Educator	Count 0	32	16	2	1	12	34	
	% .0%	9.8%	47.1%	5.9%	2.9%	35.3%	100.0%	
Technician/Lab Program	Count 0	2	29	3	0	4	38	
	% .0%	5.3%	76.3%	7.9%	.0%	10.5%	100.0%	
Visiting Researcher/Collaborator	Count 0	2	26	1	0	18	47	
	% .0%	4.3%	55.3%	2.1%	.0%	38.3%	100.0%	
Total		Count 8	14	207	13	1	122	365
		% 2.2%	3.8%	56.7%	3.6%	.3%	33.4%	100.0%

Verbatim other

Unaware

Didn't know i could
 Doesn't work well on Mac OSX, I use skype and access the phone bridge
 I should learn about this and use it
 I'm a new Co-PI and have not yet invited to use it; don't know about it
 Not sure if this includes the web seminars that I have used for LTER mini-symposia - if something else then No and wasn't aware it was offered
 would be interested in using this in the future

Prefer other system/have our own polycom

(2) Other participants did not always at their sites
 (2) seemed easier to use Skype

I have other good videoconferencing equipment available
 (5) we have a PolyCom system at our facility

Don't need to/someone else does it for them

I don't handle videoconferencing for our LTER.
 I don't know who supplied the polycom I used.
 I don't set up the conference calls, but it would be nice to videoconference
 lead PI arranges our (tele)conferencing needs
 Specific users set these up, I haven't had to coordinate vid conf.

Miscellaneous

Am happy to know this is available.
 Used it only once but was very satisfied with the outcome

Q30) For which of the following reasons do you not use the Climate Database?

Q3 Site Role by Q30 Reason Did Not Use Climate Database

			Not pertinent to my research	Other (please specify)	Too difficult to access	Too difficult to use	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	2	0	0	0	0	2
		%	100.0%	.0%	.0%	.0%	.0%	100.0%
	Co PI	Count	27	10	0	2	21	60
		%	45.0%	16.7%	.0%	3.3%	35.0%	100.0%
	Education Coordinator/Researcher	Count	13	0	0	0	12	25
		%	52.0%	.0%	.0%	.0%	48.0%	100.0%
	Former Student/Researcher	Count	5	0	0	0	7	12
		%	41.7%	.0%	.0%	.0%	58.3%	100.0%
	Graduate Student	Count	32	6	1	0	62	101
		%	31.7%	5.9%	1.0%	.0%	61.4%	100.0%
	Information Manager	Count	7	2	0	0	0	9
		%	77.8%	22.2%	.0%	.0%	.0%	100.0%
	Lead PI	Count	11	4	0	1	0	16
		%	68.8%	25.0%	.0%	6.3%	.0%	100.0%
	Post-doctoral Researcher	Count	8	0	1	0	7	16
		%	50.0%	.0%	6.3%	.0%	43.8%	100.0%
	Site Scientist/Educator	Count	11	3	1	0	11	26
		%	42.3%	11.5%	3.8%	.0%	42.3%	100.0%
Technician/Lab Program	Count	25	3	0	0	15	43	
	%	58.1%	7.0%	.0%	.0%	34.9%	100.0%	
Visiting Researcher/Collaborator	Count	20	3	1	1	21	46	
	%	43.5%	6.5%	2.2%	2.2%	45.7%	100.0%	
Total	Count	161	31	4	4	156	356	
	%	45.2%	8.7%	1.1%	1.1%	43.8%	100.0%	

Verbatim other

Use/prefer other data sources; only need local/site data

Been doing it myself from web resources for many years
 It's a wrapping of other databases. I prefer the source material.
 Use our own and other Arctic data bases
 (4) Have not had the need except for the local site
 Used other familiar databases
 Use site (VCR) database
 use the site-specific data at my site web address
 we have our own climate data on the bz lter website

Haven't needed it yet but see future use

(12) Not needed at the current time, but will likely use it in the future

(3) Haven't had the need.

Haven't taken the time to access

have not got around to it
 Have not had time to utilize the resource

Concerns

local sites more up-to-date
 When I needed it, it was incomplete.

Miscellaneous

I can request site IM to use for me
 most likely used by our PI not the techs

Q34) For which of the following reasons do you not use the Hydrology Database?

Q3 Site Role by Q34 Reason Did Not Use Hydrology Database

		Not pertinent to my research	Other (please specify)	Too difficult to access	Too difficult to use	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	2	0	0	0	2
		%	100.0%	.0%	.0%	.0%	100.0%
Co PI		Count	45	6	0	1	66
		%	68.2%	9.1%	.0%	1.5%	100.0%
Education Coordinator/Researcher		Count	14	0	0	0	12
		%	53.8%	.0%	.0%	.0%	46.2%
Former Student/Researcher		Count	7	0	0	0	7
		%	50.0%	.0%	.0%	.0%	50.0%
Graduate Student		Count	51	1	0	0	55
		%	47.7%	.9%	.0%	.0%	51.4%
Information Manager		Count	13	2	0	0	2
		%	76.5%	11.8%	.0%	.0%	11.8%
Lead PI		Count	13	4	0	2	1
		%	65.0%	20.0%	.0%	10.0%	5.0%
Post-doctoral Researcher		Count	11	0	0	0	6
		%	64.7%	.0%	.0%	.0%	35.3%
Site Scientist/Educator		Count	19	2	1	0	10
		%	59.4%	6.3%	3.1%	.0%	31.3%
Technician/Lab Program		Count	30	2	0	0	12
		%	68.2%	4.5%	.0%	.0%	27.3%
Visiting Researcher/Collaborator		Count	26	1	0	1	20
		%	54.2%	2.1%	.0%	2.1%	41.7%
Total		Count	231	18	1	4	139
		%	58.8%	4.6%	.3%	1.0%	35.4%

Verbatim other

Use/prefer other data sources; only need local/site data

can get our own hydro data & haven't needed data from other sites
 can obtain information other ways
 Have not used data beyond our location.
 If I need stream flow data I get it directly from USGS
 It's a wrapping of other data sources, I prefer the original
 Use other databases
 working mostly at site

Haven't needed it yet but see future use

(4) Haven't had the need.
 (4) Have not used it yet, but will likely use it in the future.

Miscellaneous

Have not had time to explore the resource
 again, my PI might but I am just a technician
 I have site IM derive data for me
 Not conducting hydrology research
 Not pertinent to my current research
 Should be using it.

Q38) For which of the following reasons do you not use the Personnel Directory?

Q3 Site Role by Q38 Reason Did Not Use Personnel Directory

			It isn't current	No Need	Other (please specify)	Too difficult to access	Too difficult to use	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Co PI	Count	3	24	0	2	1	13	43
		%	7.0%	55.8%	.0%	4.7%	2.3%	30.2%	100.0%
	Education Coordinator/Researcher	Count	1	6	0	0	1	8	16
		%	6.3%	37.5%	.0%	.0%	6.3%	50.0%	100.0%
	Former Student/Researcher	Count	0	3	0	0	1	4	8
		%	.0%	37.5%	.0%	.0%	12.5%	50.0%	100.0%
	Graduate Student	Count	2	25	2	0	0	42	71
		%	2.8%	35.2%	2.8%	.0%	.0%	59.2%	100.0%
	Information Manager	Count	0	3	0	0	0	0	3
		%	.0%	100.0%	.0%	.0%	.0%	.0%	100.0%
	Lead PI	Count	0	3	4	0	1	2	10
		%	.0%	30.0%	40.0%	.0%	10.0%	20.0%	100.0%
	Post-doctoral Researcher	Count	1	5	1	0	0	7	14
		%	7.1%	35.7%	7.1%	.0%	.0%	50.0%	100.0%
	Site Scientist/Educator	Count	0	13	0	1	1	6	21
		%	.0%	61.9%	.0%	4.8%	4.8%	28.6%	100.0%
	Technician/Lab Program	Count	0	13	1	0	0	11	25
		%	.0%	52.0%	4.0%	.0%	.0%	44.0%	100.0%
	Visiting Researcher/Collaborator	Count	0	9	2	2	0	14	27
		%	.0%	33.3%	7.4%	7.4%	.0%	51.9%	100.0%
Total		Count	7	104	10	5	5	107	238
		%	2.9%	43.7%	4.2%	2.1%	2.1%	45.0%	100.0%

Verbatim other

Use another source

- Already know contacts for personnel I work with
- I have the emails of the people I contact.
- I know all the people I have needed to contact so has not been needed
- I know the addresses of the scientists I need to contact, or I can find using a search engine
- Can find info easier from other sites
- contact people directly
- easier to use contacts I already have or web search
- (8) Google is easier/faster/familiar
- I just use the web
- I have other ways to find contact information for the people I really need
- I have other ways to obtain addresses including email addresses

- no real need with other resources
- site has its own personnel directory
- Typically look up people at their home institutions
- used Coweeta Personnel Directory

Concerns

- it is not kept up to date
- redundant
- Not kept up to date

Miscellaneous .

- not sure why
- not that involved

Q42) For which of the following reasons do you not use the Bibliographic Database?

Q3 Site Role by Q40 Reason Did Not Use Bibliographic Database

			It isn't current	No Need	Other (please specify)	Too difficult to access	Too difficult to use	Use other source	Wasn't aware there was one	Totals
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	0	2	0	0	0	0	0	2
		%	.0%	100.0%	.0%	.0%	.0%	.0%	.0%	100.0%
	Co PI	Count	3	10	0	0	0	19	29	61
		%	4.9%	16.4%	.0%	.0%	.0%	31.1%	47.5%	100.0%
	Education Coordinator/Researcher	Count	0	7	2	0	0	1	17	27
		%	.0%	25.9%	7.4%	.0%	.0%	3.7%	63.0%	100.0%
	Former Student/Researcher	Count	3	2	0	0	0	3	4	12
		%	25.0%	16.7%	.0%	.0%	.0%	25.0%	33.3%	100.0%
	Graduate Student	Count	2	6	0	0	1	6	85	100
		%	2.0%	6.0%	.0%	.0%	1.0%	6.0%	85.0%	100.0%
	Information Manager	Count	0	6	1	0	1	4	0	12
		%	.0%	50.0%	8.3%	.0%	8.3%	33.3%	.0%	100.0%
	Lead PI	Count	1	7	3	0	0	9	5	25
		%	4.0%	28.0%	12.0%	.0%	.0%	36.0%	20.0%	100.0%
	Post-doctoral Researcher	Count	0	6	0	0	0	0	14	20
		%	.0%	30.0%	.0%	.0%	.0%	.0%	70.0%	100.0%
	Site Scientist/Educator	Count	1	8	1	0	0	2	15	27
		%	3.7%	29.6%	3.7%	.0%	.0%	7.4%	55.6%	100.0%
	Technician/Lab Program	Count	1	20	0	0	0	2	17	40
		%	2.5%	50.0%	.0%	.0%	.0%	5.0%	42.5%	100.0%
	Visiting Researcher/Collaborator	Count	3	6	0	2	0	6	14	31
		%	9.7%	19.4%	.0%	6.5%	.0%	19.4%	45.2%	100.0%
	Total	Count	14	80	7	2	2	52	200	357
		%	3.9%	22.4%	2.0%	.6%	.6%	14.6%	56.0%	100.0%

Verbatim other

Concerns

It is hard to dig information from the database
 it is not kept up to date
 Too difficult to maintain given our in house system.
 I use more complete resources for locating primary research
 Other online biblio databases are more relevant to me
 Redundant with other resources I use more frequently
 Other resources (eg ISI) seem more effective
 (2) Other sources are more useful and more familiar
 Other online biblio databases are more relevant to me
 It is easier to search directly
 not relevant given other tools for searching the literature
 no need with internet based searches of publications

Use another source: Google and/or Web of Science

(7) google scholar is easier/faster/meets my needs
 easier to use google scholar or ISE web of science (also more reliable)
 use other searches (e.g., google) out of habit
 use Google Scholar and Web of Science instead
 Web of Science and Google Scholar meet my needs
 Web of Science is my preferred means of locating literature
 cannot find my research topic as easy as Web of Science
 Easier (and results in a broader search) to use Web of Science or Google Scholar
 to find references.

I use web of science

Use another source: Miscellaneous

easy enough to use other search engines at UC
 Typically use other resources

(7) use other search engines

(2) use other bibliographic resources
 if it pops up on an internet search, I use it
 Other options for finding relevant papers
 other online resources

Use another source: Have my/our own

Have my own bibliography database for all pubs relevant to my research
 haven't had the need, use other resources
 I have my own collection of papers that is pertinent to my work.
 I have other ways to look for publications through our library
 I typically go to a specific site listing
 (8)I have our own/ use my local bibliography

Miscellaneous

I'm not sure how I would use it.

Q46) For which of the following reasons do you not use the Remote Sensing Archive?

Q3 Site Role by Q46 Reason Did Not Use the Remote Sensing Archive

Which one of the following best describes your role at your research site?		Count	No Need	Not pertinent to my research	Other (please specify)	There are better and/or more images elsewhere	Too difficult to access	Wasn't aware there was one	Total
			%	%	%	%	%	%	%
Admin/Mgmt	Count	2	0	0	0	0	0	0	2
	%	100.0%	.0%	.0%	.0%	.0%	.0%	.0%	100.0%
Co PI	Count	5	32	2	9	0	26	74	
	%	6.8%	43.2%	2.7%	12.2%	.0%	35.1%	100.0%	
Education Coordinator/Researcher	Count	3	18	1	0	0	6	28	
	%	10.7%	64.3%	3.6%	.0%	.0%	21.4%	100.0%	
Former Student/Researcher	Count	0	6	0	1	0	7	14	
	%	.0%	42.9%	.0%	7.1%	.0%	50.0%	100.0%	
Graduate Student	Count	2	44	1	3	0	53	103	
	%	1.9%	42.7%	1.0%	2.9%	.0%	51.5%	100.0%	
Information Manager	Count	2	9	0	5	0	5	21	
	%	9.5%	42.9%	.0%	23.8%	.0%	23.8%	100.0%	
Lead PI	Count	4	10	2	8	0	3	27	
	%	14.8%	37.0%	7.4%	29.6%	.0%	11.1%	100.0%	
Post-doctoral Researcher	Count	1	10	0	0	0	9	20	
	%	5.0%	50.0%	.0%	.0%	.0%	45.0%	100.0%	
Site Scientist/Educator	Count	0	14	1	1	0	19	35	
	%	.0%	40.0%	2.9%	2.9%	.0%	54.3%	100.0%	
Technician/Lab Program	Count	5	19	0	3	0	15	42	
	%	11.9%	45.2%	.0%	7.1%	.0%	35.7%	100.0%	
Visiting Researcher/Collaborator	Count	0	23	0	3	1	21	48	
	%	.0%	47.9%	.0%	6.3%	2.1%	43.8%	100.0%	
Total	Count	24	185	7	33	1	164	414	
	%	5.8%	44.7%	1.7%	8.0%	.2%	39.6%	100.0%	

Verbatim other

hope to use it for an upcoming project
 I have not had sufficient incentive to look at this. It is a good resource; I am sure, but not a priority for me.
 I'm not sure what is in it or how I would use it.
 wasn't sure how to get into it
 we are just beginning to use remote sensing
 Will use it in the future

Q51) For which of the following reasons do you not use the Document Archive to access LTER records?

Q3 Site Role by Q51 Reason Did Not Use the Document Archive

			Haven't yet had a need for this function	Other (please specify)	Too difficult to access	Too difficult to use	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	2	0	0	0	0	2
		%	100.0%	.0%	.0%	.0%	.0%	100.0%
	Co PI	Count	44	1	0	0	18	63
		%	69.8%	1.6%	.0%	.0%	28.6%	100.0%
	Education Coordinator/Researcher	Count	16	0	0	0	7	23
		%	69.6%	.0%	.0%	.0%	30.4%	100.0%
	Former Student/Researcher	Count	5	2	0	0	5	12
		%	41.7%	16.7%	.0%	.0%	41.7%	100.0%
	Graduate Student	Count	68	0	0	0	27	95
		%	71.6%	.0%	.0%	.0%	28.4%	100.0%
	Information Manager	Count	4	1	0	0	0	5
		%	80.0%	20.0%	.0%	.0%	.0%	100.0%
	Lead PI	Count	12	1	0	0	2	15
		%	80.0%	6.7%	.0%	.0%	13.3%	100.0%
	Post-doctoral Researcher	Count	14	0	0	0	7	21
		%	66.7%	.0%	.0%	.0%	33.3%	100.0%
	Site Scientist/Educator	Count	22	1	0	1	6	30
		%	73.3%	3.3%	.0%	3.3%	20.0%	100.0%
	Technician/Lab Program	Count	25	0	0	0	9	34
		%	73.5%	.0%	.0%	.0%	26.5%	100.0%
	Visiting Researcher/Collaborator	Count	28	0	1	2	7	38
		%	73.7%	.0%	2.6%	5.3%	18.4%	100.0%
Total		Count	240	6	1	3	88	338
		%	71.0%	1.8%	.3%	.9%	26.0%	100.0%

Verbatim other

Information available elsewhere

- Info for my site is available elsewhere
- Only use records at Konza LTER
- The information I need is on the IM website
- use other more direct information databases

Concerns

- Little or no material salient to social sciences
- search function is poorly designed, retrieval is less than certain

Q54) For which of the following reasons do you not use the Data Catalog to discover and access LTER data?

Q3 Site Role by Q54 Reason Did Not Use the Data Catalog

			Haven't yet had a need for this function	Other (please specify)	Too difficult to access	Too difficult to use	Use other source	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	2	0	0	0	0	0	2
		%	100.0%	.0%	.0%	.0%	.0%	.0%	100.0%
	Co PI	Count	36	3	0	1	8	13	61
		%	59.0%	4.9%	.0%	1.6%	13.1%	21.3%	100.0%
	Education Coordinator/Researcher	Count	21	0	0	0	1	5	27
		%	77.8%	.0%	.0%	.0%	3.7%	18.5%	100.0%
	Former Student/Researcher	Count	4	0	0	0	1	6	11
		%	36.4%	.0%	.0%	.0%	9.1%	54.5%	100.0%
	Graduate Student	Count	45	0	0	1	8	33	87
		%	51.7%	.0%	.0%	1.1%	9.2%	37.9%	100.0%
	Information Manager	Count	10	0	1	0	0	0	11
		%	90.9%	.0%	9.1%	.0%	.0%	.0%	100.0%
	Lead PI	Count	15	4	0	1	2	1	23
		%	65.2%	17.4%	.0%	4.3%	8.7%	4.3%	100.0%
	Post-doctoral Researcher	Count	8	0	1	0	2	2	13
		%	61.5%	.0%	7.7%	.0%	15.4%	15.4%	100.0%
	Site Scientist/Educator	Count	15	1	0	2	4	5	27
		%	55.6%	3.7%	.0%	7.4%	14.8%	18.5%	100.0%
	Technician/Lab Program	Count	26	0	0	0	1	7	34
		%	76.5%	.0%	.0%	.0%	2.9%	20.6%	100.0%
	Visiting Researcher/Collaborator	Count	22	0	1	1	3	6	33
		%	66.7%	.0%	3.0%	3.0%	9.1%	18.2%	100.0%
Total		Count	204	8	3	6	30	78	329
		%	62.0%	2.4%	.9%	1.8%	9.1%	23.7%	100.0%

Verbatim other Concerns

not accurate enough
the system is SLOOOOOW and neither the metadata nor the data are reliably up to date
incomplete and spotty coverage
Doesn't include the data I want

Use another source

(23) access data through site's web page
haven't tried approaches other than directly accessing site web pages
Pal LTER's Data Zoo is superior

Have only had need for VCR data, use VCR website
If I wanted a database on a topic I would approach the PI doing the work
Little or no data salient to social sciences.
Other sources more familiar and useful
use FCE only

Miscellaneous

Done by site Information Manager
know about it, but haven't gone there yet
I am not involved at that level of research, unfortunately.

Q59) For which of the following reasons do you not use the Image Archive?

Q3 Site Role by Q59 Reason Did Not Use the Image Archive

			Haven't yet had a need for this function	Insufficient number of images	Other (please specify)	Too difficult to use	Wasn't aware there was one	Total
Which one of the following best describes your role at your research site?	Co PI	Count	43	1	0	0	24	68
		%	63.2%	1.5%	.0%	.0%	35.3%	100.0%
	Education Coordinator/Researcher	Count	11	0	0	0	13	24
		%	45.8%	.0%	.0%	.0%	54.2%	100.0%
	Former Student/Researcher	Count	3	0	0	0	9	12
		%	25.0%	.0%	.0%	.0%	75.0%	100.0%
	Graduate Student	Count	57	0	1	0	40	98
		%	58.2%	.0%	1.0%	.0%	40.8%	100.0%
	Information Manager	Count	11	3	1	1	2	18
		%	61.1%	16.7%	5.6%	5.6%	11.1%	100.0%
	Lead PI	Count	12	1	1	0	5	19
		%	63.2%	5.3%	5.3%	.0%	26.3%	100.0%
	Post-doctoral Researcher	Count	12	1	0	0	6	19
		%	63.2%	5.3%	.0%	.0%	31.6%	100.0%
	Site Scientist/Educator	Count	19	1	1	0	10	31
		%	61.3%	3.2%	3.2%	.0%	32.3%	100.0%
	Technician/Lab Program	Count	19	2	0	0	10	31
		%	61.3%	6.5%	.0%	.0%	32.3%	100.0%
Visiting Researcher/Collaborator	Count	23	1	1	0	18	43	
	%	53.5%	2.3%	2.3%	.0%	41.9%	100.0%	
Total		Count	210	10	5	1	137	363
		%	57.9%	2.8%	1.4%	.3%	37.7%	100.0%

Verbatim other

Concerns

The photos I was hoping to find were not in the gallery.
 when used in the past the photos were so out of date and irrelevant to need that stopped using it
 Out of date

Use another source

Have access to more/better images
 (2) I have photos of the sites I work at

Miscellaneous

I forgot.
 I should check this out
 Have used it only once, was satisfied

Q70) Why haven't you attended a training session or meeting organized by LNO?

Q3 Site Role by Q70 Reason Did Not Attend Training Session or Meeting

			No funding to attend	No Time	Other (please specify)	Topics not of interest	Wasn't aware they were offered	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	0	0	1	0	0	1
		%	.0%	.0%	100.0%	.0%	.0%	100.0%
	Co PI	Count	1	10	4	8	13	36
		%	2.8%	27.8%	11.1%	22.2%	36.1%	100.0%
	Education Coordinator/Researcher	Count	0	1	5	1	7	14
		%	.0%	7.1%	35.7%	7.1%	50.0%	100.0%
	Former Student/Researcher	Count	1	0	1	2	3	7
		%	14.3%	.0%	14.3%	28.6%	42.9%	100.0%
	Graduate Student	Count	7	9	3	7	35	61
		%	11.5%	14.8%	4.9%	11.5%	57.4%	100.0%
	Information Manager	Count	0	0	2	0	0	2
		%	.0%	.0%	100.0%	.0%	.0%	100.0%
	Lead PI	Count	0	2	1	3	1	7
		%	.0%	28.6%	14.3%	42.9%	14.3%	100.0%
	Post-doctoral Researcher	Count	3	1	0	2	5	11
		%	27.3%	9.1%	.0%	18.2%	45.5%	100.0%
	Site Scientist/Educator	Count	6	4	2	3	6	21
		%	28.6%	19.0%	9.5%	14.3%	28.6%	100.0%
	Technician/Lab Program	Count	0	4	4	3	12	23
		%	.0%	17.4%	17.4%	13.0%	52.2%	100.0%
Visiting Researcher/Collaborator	Count	5	7	6	2	8	28	
	%	17.9%	25.0%	21.4%	7.1%	28.6%	100.0%	
Total	Count	23	38	29	31	90	211	
	%	10.9%	18.0%	13.7%	14.7%	42.7%	100.0%	

Verbatim other

Timing off

- (2) conflicts with other meetings/ prior commitment
- (2) Hasn't fit my timeline/schedule at the time I didn't think the topics were relevant to me (now they probably are!)
- Have not had the opportunity.
- Just haven't yet. Combination of time, funding, interest
- I haven't been aware of any that would be beneficial at the time they were offered.

Miscellaneous

- I have attended the All Scientists Meeting. Informal science is good as one posters, but oral sessions are only fair.
- I rely on others to fill me in on any relevant information
- (2) Joined program recently

Little or no activities salient to social sciences.

no funding, wasn't aware they were offered

(2) No need

No opportunity

(2) Not pertinent

(3) wasn't aware I was invited

was never offered by management

Not permitted

Not sure about whether the ASM or other education related mtgs are organized by LNO. It might help to have a list of the training sessions and meetings that were org. by LNO

not yet! but slated to attend some soon.

will attend one next month

Q72) Why haven't you attended an LNO training session?

Q3 Site Role by Q72 Reason Did Not Attend and LNO Training Session

			No funding to attend	No Time	Other (please specify)	Topics not of interest	Wasn't aware they were offered	Total
Which one of the following best describes your role at your research site?	Admin/Mgmt	Count	0	0	0	1	0	1
		%	.0%	.0%	.0%	100.0%	.0%	100.0%
	Co PI	Count	3	1	5	9	14	32
		%	9.4%	3.1%	15.6%	28.1%	43.8%	100.0%
	Education Coordinator/Researcher	Count	3	4	1	3	3	14
		%	21.4%	28.6%	7.1%	21.4%	21.4%	100.0%
	Former Student/Researcher	Count	0	1	2	1	3	7
		%	.0%	14.3%	28.6%	14.3%	42.9%	100.0%
	Graduate Student	Count	2	3	1	8	20	34
		%	5.9%	8.8%	2.9%	23.5%	58.8%	100.0%
	Information Manager	Count	0	0	2	7	0	9
		%	.0%	.0%	22.2%	77.8%	.0%	100.0%
	Lead PI	Count	1	2	3	10	4	20
		%	5.0%	10.0%	15.0%	50.0%	20.0%	100.0%
	Post-doctoral Researcher	Count	0	4	0	1	4	9
		%	.0%	44.4%	.0%	11.1%	44.4%	100.0%
	Site Scientist/Educator	Count	0	2	1	3	2	8
		%	.0%	25.0%	12.5%	37.5%	25.0%	100.0%
	Technician/Lab Program	Count	0	1	3	4	3	11
		%	.0%	9.1%	27.3%	36.4%	27.3%	100.0%
Visiting Researcher/Collaborator	Count	1	2	1	4	4	12	
	%	8.3%	16.7%	8.3%	33.3%	33.3%	100.0%	
Total		Count	10	20	19	51	57	157
		%	6.4%	12.7%	12.1%	32.5%	36.3%	100.0%

Verbatim other

Miscellaneous

all of the above

generally have not been looking for this. I suppose "not aware" but that seems too strong to say.

(2) I don't know

It just hasn't worked out... some topics may be of interest, but are poorly timed for my schedule.

just haven't had the time and need cooccur

(2) no need/reason to

no time, no funding

none offered that I was interested in attending

Not appropriate to my scope of work.

Not pertinent

Only in position for a limited time

Other IM reps have used available funding

Retired

seems to have been excellent offerings that I was aware of in the past but w/o regular updates, I am unaware of what is offered

Training sessions haven't corresponded with my duties.

would send students if information was more actively

LNO Evaluation 2011 Verbatim Responses

This is a full listing of verbatim responses for the non 'use of service' related questions, unedited except to correct spelling errors and remove references to site personnel; responses are loosely grouped by category and reflect the analyst's coding scheme, they may not correspond to the program evaluation needs but offer some organization; responses that were nearly identical have been grouped into one phrase with (number) to indicate how many responses the listing represents; numeric results reflect recoded answers so the number of "other" in analytic tables will not always equal number of verbatim responses; if the number of verbatim responses warranted adding a new category, it is indicated below.

Q10) Which one of the following methods did you use most frequently to request assistance?

both tech_support and direct e-mail
meeting
submitted request to tech and personally asked for assistance as my office is located next to their offices
Walked down the hall to ask in person

Q47) What additional services or modifications to existing services would you like the LNO to provide in support of Network Database?

Database connectivity/use/cross-site use

A clear, easy to find, easy to understand, easy to use searchable, retrievable index of what's available on the network database
A ushcn-like Google Map interface for accessing daily, weekly, and monthly climate data and data summaries (or all data)
links to other sites with the same datasets and databases
Ability to sync site databases with LNO databases for personnel and bibliography, as planned.
data base services for public access to data that is not LTER related- ie other, non-LTER, projects by LTER personnel (or otherwise)
Remote sensing db lacks data for my site, although some was gathered within the past year and may be planned to be added soon.
All services should provide a programmatic interface (e.g. web services) in addition to the HTML interface to support leveraging these resources by LTER sites. Minimally query/read methods, but ideally create, read, update, delete methods to permit sites to synchronize content from their information systems without copy/paste in a web browser.
I support the goal of having all LTER data available in a consistent format at a single portal, but I realize that, in the short run, this will benefit only a few people. As more data are available, and cross-site comparisons become more productive and easier, this will be very beneficial to the whole network.
There is no support for other synthetic databases or large experimental datasets. LNO virtually does nothing on this front.
Unified browser of core datasets by location and time period.
update Hydro/clim so it interfaces with other searches (such as HIS) and add support for cross site stream chemistry DB
Web services for personnel directory
would like personnel, bibliography, siteDB and datasets available via web services.
Attempt to coordinate with other networks or informatics. Examples would be NWIS, CUAHSI, etc. Right now the LTER information exists almost in isolation within the network or within sites.
Better means of synchronizing personnel lists between local site and network. Network update system for personnel is very frustrating from an IM point of view. Additional facilitation in improving or building cross-site databases would be useful.
It would be great if *colleague's name* could get more involved, i.e. would do tasks that would let *him/her* communicate with sites more.
E.g. help improve EML quality by querying metacat and finding general problems that could be fixed easily, or at least reported to the sites to help them identify problems.
Level of service to sites in practice is minuscule - most effort is expended in long-term, high-risk, unclear reward activities; services currently available - spatial data archive, communication - have failed to keep pace over the years with developments that they require complete overhaul in order to be considered serviceable.
My biggest issue is time... and with that it makes it difficult to maintain our local system as well as the LNO system / databases. I get that everyone is coming at this from different angles, but if there a better way to automate getting data in I'd be more likely to do it.
Linking to websites - Drupal page construction
sponsorship of synthesis activities that specifically target the use of these databases

Improve/ add functionality to website

An educational database of curriculum and activities categorized by site including keys and organisms and information for each would be very useful.
-mapping functions -
The directory isn't up-to-date, i.e. some personnel have contact information that is from 5 years ago and has since changed.
The entire LNO website could use an update. This includes all of the Network databases. Ideally, network databases should be set up with web service capability that allows IMs at individual sites to easily upload formatted data without having to manually enter materials. At the moment, only the bibliographic and metacat databases do this and those could do it more seamlessly. In addition, LNO database should provide web service functions that allow users to serve data through multiple interfaces at their own sites. I The web page needs to be more functional. Also, some advertisement would be useful to learn what data sets can be readily accessible. believe LNO staff are working on this and am glad it is a priority.

A central location for social science data generated through LTER-related research.

A good comprehensive website

A standard data use policy among the sites - some require a review of papers before they are submitted which is time consuming, others require notification afterwards, have every site use the network policy. Also encourage sites to use standard notation to make citing data sets easier.

A more extensive remote sensing archive. GIS database would be useful for the LTER network

Assistance with database creation across LTER sites; merging files, etc.

An easy-to-use personnel directory is the most useful feature. Good and up-to-date bibliography is also important

better graphing

database of LTER curriculum materials

expose underlying functionality through web services and APIs

better spatial data interface

Education and outreach materials for different audiences

eml templates/translators

I do access ARC LTER data through your portal. It is very difficult to get in and get a password. Hence, everyone in my group uses my name and password.

I would like to see more services that are scriptable

Improved personnel interface especially for adding personnel. Better connection from sites to LNO databases (like web services).

integration of categories of information between databases

It would be great if Schooyard research data could be integrated into a network-wide system.

Make metacat eml packages more visible to the user with privileges (read IMs) and make it possible, like climdb, that the person submitting the EML package has the power of deciding when the system will harvest; It was only when CLIMDB provided this feature to the data providers (read IMs) that the submission of data started to increase! I think this capability will ease and promote EML packages providers (read IMs) submitting their updated versions.

Make them easier to use. Keep them up to date. Advertise them to a broader audience. They should have more standard searchable terms (e.g. Global Change Master Directory keywords, etc.) and use a similar metadata format to NOAA longterm climate observations (the standard).

mapping

Molecular Databases and metadata for molecular and genomics

More assistance with methods for visualization of long-term data to illustrate trends.

One for Education and Outreach resources

more info how to use it in a very friendly easy way

More up to date websites

simpler ways of navigating to and extracting existing information from the web page. It takes a degree in astrophysics to find and retrieve information that I know we have somewhere.

Information for potential users

Are there any documents that can be circulated to new members of the LTER network that contain information pertaining to the databases available and how to access them? If not, I think more effort could go into informing researchers of the resources at their disposal.

As a LTER grad student, unfortunately I was not made aware of any of the resources of the LNO. having a welcome email to the LNO for all new grad students and what is offered there would be very helpful. Along these lines, I have found the PAL LTER datazoo website very difficult to use and confusing. I have used essentially no resources from this website either.

Better advertisement of what exists and how to access

better education

Clear list of what is available.

Describe but briefly.

I invariably visit the MCM LTER webpage and databases and am unfamiliar with those outside of my LTER.

I'm not too sure if this is the LNO's responsibility or the individual PI's from that LTER site but when I entered my graduate program, I was never introduced to any of the greater LTER services. I don't know what's reasonable to expect from the LNO because nobody's ever told me what it is that you do. I think a general introduction to things that are available as an LTER graduate student would be helpful but again, I don't know if my advisers were supposed to do this and just never did or if this something that could be improved.

improved access to EcoTrends database

It would be helpful to have some training in what exists and what one might use it for.

List of study sites where LTER scientists have conducted international research A web cast conducted by LNO staff highlighting information available in the Databases

make sure that people know about the services

Might be nice to know what they have available.

more centralized and better advertised

My/our lack of using LNO resources may be due to knowing that our Info Manager and Lead PI keep up-to-date w/ LNO and its resources and alerts us where/when relevant

Perhaps a very concise annual email or one every 6 months to all lter listing each of the items and services that the LNO provides, with links to click if they are of interest. I am sure there are initial descriptions of them when they are first made available, but if you do not need the service or data at the time the announcement is made, you forget about it when you do need it a few years later.

Send out reminders of services and any updates to services offered.

Some help in how to use them

Networking people

more fostering of communications within the network

More information on working groups and cross site collaborations

More interaction

More leadership and training opportunities for individual LTER sites and IMs with respect to database development, meeting network-level standards, maximizing database comparability to the extent possible, etc.

Miscellaneous

And quit taking out IT guy away from our site. I am sure that all this cyber infrastructure is great, but we can't get important things done at our site because our IT/database guy is always working for you.

(6 similar) haven't given this much thought- I'm sure there are lots of opportunities, so I didn't want to say None.

I need to become more aware of what you currently offer before suggesting something additional.

For the staff to actually answer my emails.

I don't use the services enough to have an opinion about additional services or changes that would be thankful. I'm glad there is a survey though to help others get the most out of the LTER data.

I work mostly with the CWT LTER database/network

I would have to ask my PI.

I'd like LNO to use EVO or some other program for videoconferencing that will accommodate iMac users.

Participate in the science working groups and communicate their data needs to site IMs. Start develop specific ideas for data products that would be useful to scientists in these working groups and communicate the requirements to the site IMs.

Outreach

see the IM website.

Q61) What additional services or modifications to existing services would you like the LNO to provide in support of Network Cyber infrastructure?

Additional services

access to EcoTrends databases

Actually, I think this is currently being developed, but I want to emphasize how important this would be to me: develop larger storage solution, backup service, and minimally managed virtual servers for sites to use for web applications. This may be financed with site contributions/rental fees that should be below what is commercially available.

Database for metagenomic data generated at the LTERs

link to other cyber networks that are more prevalent in my community. There is too many of these systems to learn

mapserver apps

More links to CZO's, NEON..

More people to consult about technical issues would be swell

Network Cyberinfrastructure is non-standard, non-intuitive, not up-to-date and therefore not useful. It could and should be a model for long term data but it doesn't even have a standard metadata structure like that of NOAA (which is tasked with maintaining our national climate data records) or the Land Processes DAAC. It seems that the people working on this system are in a vacuum. This should not be an insular activity -- it should be fully coordinated with other agencies who have developed long term data sets for climate, hydrology, and land processes.

offsite backup for site data

remote bulk backup of data (eg. 100 GB / researcher)

regular funding for collaborative studies

social science data

Some day, LTER will need to establish a protocol for posting data from human subjects that complies with basic Institutional Review Board concerns, to assure confidentiality and protection from risk (although I cannot imagine any social science data would represent significant risk). Of course this is only relevant if the Decadal Plan gains funding or other social science funding starts to link to LTER more broadly. It is possible that CAP and Baltimore have dealt with these issues already.

Increased information about available services/Increase awareness

Perhaps a better information delivery system would be useful. Twitter, perhaps?

Perhaps each site should educate their co-PIs, but I was unaware of most services.

More PI/investigator training on LTER Network CI resources (or development of training resources like presentation materials, briefs, videos). These could be leverage by site IMs to help orient investigators that are new to the network and raise awareness.

An "annotated bibliography" of existing databases and services would be extremely helpful. There were several I didn't know existed until I took this survey -- and some I know about but am not sure what all they contain. It would be great to include this bibliography in the welcome packet we're putting together for new grad students at our site.

Apparently, there are several archives that I did not realize were available. Maybe I need to pay more attention or there is a need for a workshop to keep more of us informed of the potential uses of what is available?

At some point it would be useful to provide some webcasts of examples/use cases of what the LNO Network Cyberinfrastructure can actually do to further scientific research goals. This would help to engage scientists in the capabilities of the NIS.

Better access overall to data--this means clearer descriptions of what data is available, a more navigable website to get to the data.

LNO could provide offsite backup of data for LTER sites

information brochure for all the great resources available to students.

again, as a student, i had no idea that any of these resources existed. it would be most useful that each fall the LNO send out an A good document that only includes essential information, and can easily be read without requiring much time. Lack of free time blocks many opportunities to benefit from all the LTER features available.

More educational materials and opportunities listed by site would be helpful.

It would be great to have a summary of stuff mentioned in this survey- with links and a brief paragraph about what is at each link.

Info on all of these things

improved communication regarding the big picture

updates every 6 months or so about what is actually available in the NIS

Too much detailed information in emails from the NIS. Try to write a clear, concise email describing what there is and how to use it.

All the other stuff telling how great things are going is unnecessary and makes me tune your emails out. And if I never hear the "tiger team" again, that would be alright with me. I just want to know how to contribute to and access data for the good of the LTER network. I just don't care about the gritty details - and I don't think most folks do either.

Use the communication tools described to let everyone know about the Network Cyberinfrastructure

Very clear, short lists of what is available.

Modifications to existing services

As above, work on interoperability with other networks and cyberinfrastructure in addition to the LTER network

Better web page organization. It is not user friendly for scientists much less the public

Continue giving your support for EML. We all need to get to Level 5; it's like a mandate, and we need your cooperation and expertise to do this. We need the expertise of Ignigo in EML and we need a new support in web databases (mysql).

Continuing attention to the site-network communication interface for design, development, and implementation.

Far more support needs to be directed towards synthesis, data manipulation, and analysis.

I use snow data, and there is a significant (as in years) lag time before it is posted.

Perhaps streamline metadata entry process?

Polycom now seems quite dated as a videoconferencing tool--skype seems to support much higher quality calls. Is it time to re-evaluate polycom and consider whether it is worth it?

Sorry, I'm not sure all that this entails... but a common programming language so all of our IMs can work together is probably key. Do we have that?

stated earlier but perhaps more appropriate here: eml templates and translators to aid managing metadata would be helpful

There should be more focus on improving the quality and accessibility of existing data rather than developing a new network information system.

There should be more help in creating and maintaining synthetic data bases. It's all left up the sites. Ditto for network level experiments. Absolutely no resources are offered. The word pathetic comes to mind.

more support from LNO for cross-site data archiving efforts - higher level of knowledge about cyber infrastructure at LNO - nicer interfaces for users - appropriate metadata - more transparent process about how to ask for advise from LNO about cross site projects

More web support.

training opportunities

Would be great to have some kind of network support to aid in data entry for Schoolyard program data but I understand its pretty complex given how different each site's studies are.

Miscellaneous

Better define the role of *local personnel* with respect to cross-site database creation and facilitation or other tasks.

(7) Don't know/not sure

data managers that speak english

Do you mean the Data Portal? Success depends on how each LTER organizes their data. There are high levels of organization and that is good.

More money to sites for IM

photo credits for images

Not an area of focus for me.

Plenty but I will send those via the nis website, or trac, or in a tiger team meeting.

that is question best answered by IM - information on progress is sent out on a regular basis, but the development horizon is so long into the future that there is little for a day-to-day user to be concerned about

The network provides many great ideas but not a lot of info.

There are many ways in which the central cyberinfrastructure at the LNO can be improved, which cannot be detailed in a survey of this size.

However, all my own comments have been logged in the IMC website, tech support requests, and related documents.

Q64) What changes or additions to LNO's outreach services and/or materials would you like the LNO to provide?

Services

A network and/or database to facilitate graduate student collaboration across LTER sites

A stronger inter-site communications infrastructure would be great, as would constant calls for content from the sites. Calls (and support) for collaborative policy/synthesis materials that can speak directly to the public/decisionmakers would be ideal.

As someone who worked at an LTER as a grad student but have since moved on to a new institution, I like to keep in touch with current LTER research and happenings. perhaps an LNO alum organization would serve this purpose? I hope to rejoin the LTER network at a later stage in my career and keeping up to date would help with this.

At our site any public outreach or education would be a massive improvement. We currently offer none other than a teacher workshop 5 days a year.

Greater engagement in developing new communication and outreach programs

I know that it is difficult to keep up with the constantly changing personnel involved with LTER sites, but it's been difficult for me to keep the

LTER updated with my contact information as I change universities. It seems there are several email lists floating around out there, and I exist on those lists with different email addresses. I still get LNO emails to a variety of accounts, so I sure I'm not receiving some from the accounts that have been closed. Can there be one single place to go and change your email address for all existing email lists?

An educational coordinator at the network level is needed. Even a quartertime position for an individual to disseminate developments in educational information from all sites would be helpful.

more suport in with DBMS

Revisions to network , schoolyard and site websites for general public use.

Webcast training sessions would be helpful. There is so much information available from the LNO about the LTER, but its presentation is static/passive. A user has to browse and often doesn't know where to begin.

Workshops on statistics used on Long-term data bases.

Increased/improved communication

better direct communication of capabilities within the intranet and on the central database server.

better job telling us what is available

feedback and education on areas that this survey identifies as being important things LNO is doing, but few people know about it or are using - several in my case, e.g., video conferencing

improved accessibility to general public about value of long-term research

It would be nice if LNO outreach was geared to site and Network needs and interests

LNO has an outmoded outreach and communication model; a public website that outdated and very challenging to navigate or retrieve/locate what is searched for; and gives no impression it is interested in changing its mode of interaction with sites and/or the public since these issues have been coming up persistently for years.

more communication within is needed

More information about partnerships and their relevance to site-network efforts. Continuing information early on about ongoing questions being investigated.

More information and articles on the emergent socio-ecological research focus of the LTER network.

Perhaps more communication through the LTER sites themselves.

Seems more outreach to other networks is needed such as federal agencies, ILTER and NGOs like TNC, etc. Are there formal means to meet with and implement the "network of networks"? How can LTER provide more leadership to these potential partners?

Stronger presence/integration of new intranet pages. Increased awareness of LNO pages.

The new communication plan addresses these

Too great a tendency to use inhouse abbreviations -- especially true for the data folks -- I don't usually know what the programs or projects are that they are talking about. Ditto "LNO"

We are so overwhelmed with e-mail, that materials must be crisp, clean and to the point. I haven't found what I've received online to be particularly interesting. I suspect that means that users with interests similar to mine are not participating.

Materials

For the general public, it would be great to have a periodic update highlighting relevant case studies or societally-relevant findings. I am not sure what to suggest to promote greater interaction among research constituents across the LTER.

how about an overview of the many services that LNO provides (and are being asked about in this survey) included in the newsletter on a regular, repeating (once a year?) interval

I think the newsletter is could be eliminated.

More newsletters and developments from sites and changes at sites especially in executive committees would be helpful.

The web cast as mentioned

More substantial online newsletter

Websites need to be integrated and to have better navigation

Website/intranet

The network public website is too cluttered. Most of the homepage is taken up by text of a featured site which is not very appealing. It needs to be made more inviting and accessible to the general public and science community to become more effective at delivering the LTER message to the broader community

The LNO and LTER Networksites are outdated and need new architecture. And the Intranet site is a little dysfunctional, in terms of the fact that the main portal is now deprecated. Fixing the latter problem would require addressing the components available for editing the NIS and this would be worth doing.

Simpler website web portal for non-LTER users

Need a clear, current, simple website.

It would be useful for LNO to represent LTER science using pro-active, state-of-the-art science and communications technology that has a high content-to-glitz ratio and is professionally delivered in a timely fashion

More exposure of schoolyard activities on website. It would be very difficult for someone unaware of schoolyard program to find any info on it given current structure. Its a bit difficult to find even if aware of the program.

The LTER Network web sites are a patchwork of different styles and technologies, without a consistent navigation structure. The new Intranet site is an improvement, but it's yet another radical departure in web design and functionality. More effort should be made to provide a unified structure and look & feel for these web sites to simplify navigation and finding related information. As the public face of the LTER Network, the disparate pages on the public, intranet and LNO sub-sites fail to impress.

The websites are usually ok once you learn how to find the particular pages you need. Sometimes content is years out of date. There is confusion between the old and new versions of the intranet; some features are still easier to use in the old version. I've no experience with LNO staff visiting our site but I can say I feel my visits to LNO have been worthwhile.

These days most scientists use electronic means to share information. The web page needs to be improved and more attractive to users.

Update the look, feel, and functionality of the websites

Updated website that meets current best practices for look and organization Network brochure

updated website. needs professional overhaul

Updated websites that are tested first by outside persons (non LTER). Too many emails -- if you had a better designed portal it would get used more and you could send fewer emails.

UPDATES!!!! The grad student webpage is ancient, and a lot of other webpages are at least a few years out of date.

Add transformational science nuggets to website

A much more user friendly website for the general public and for network members.

Clarrification of responses to above question: Probably, most scientists get their information about the LNO from their site's lead PI, or from the LTER web site. So the most important things you can do is to keep site PIs up to date, and make the main LTER website more engaging: a) the same site has been "featured" for many years. b) the menus on the left are not intuitive. Perhaps there could be some way to make these menus mimic the headers that are recommended to sites? (research | sites| data| people| pubs) c) The online newsletter is great! make this more prominent, eg, a wider panel that displays a headline the first few hundred chars of a story, and an image (I hope there is not a question about the website later...) I doubt that information in the "annual presentations to the EB" is conveyed to the average scientist.

I don't know the difference between the public website and the LNO website. But I find the one I use to be difficult to use. Finding a meeting for example is not straight forward. Overall I find it clunky.

I feel the LNO is behind the times constantly - web pages out of date, links not working, funky formats that didn't work for submitting working group proposals for example- not making use of current existing technology but focused on doing their own research (now PASTA for example, EML before that) and meanwhile applications like GOOGLE search have passed them by and made their research topics out of date. New to interface with new techniques being developed by SD Super computing Center and CUAHSI, CZO for example.

I need to take more advantage of current services before suggesting anything new.
I think we need to rethink the audience and design of these websites.
Improve LTER Network public website

Miscellaneous

can not really comment as I ma not familiar with these services.
(7) Don't know
I am amazed at how unaware of all the resources available through the LTER network.
I never use it, can't comment
implement previously input information
Palmer outreach is exceptional, so I am satisfied.
participation in lobbying efforts. Information specifically geared towards members of congress.
Seems to be some duplication in effort between sites and LNO. Better coordination to avoid duplication.

Q74) What additional services or modifications to existing services would you like the LNO to provide in support of LTER meetings?

Improved outreach/communication about event

1. Put this logistical info on the website: shuttles to/from airport. map of pertinent bus lines. map of hotels and UNM, address for sending reimbursement requests. 2. make the calendar more prominent, and list all meetings. 3. virtual meetings are becoming more prevalent. It would be useful to post these, too (if they can be publicized). to the best of my knowledge, the LNO does not handle follow-up info from meetings, the committees to that themselves.

Improved outreach/communication during and after event

I think it's really hard to find information from past meetings and keep track of where different working groups are from the LNO website.
It would be great if the LNO could help facilitate mentorship opportunities at the LTER All Scientists Meeting between graduate students/junior professors and more senior LTER researchers based around different research topics relevant to LTER science.
Follow-up and developments from these events are obviously less defined. Developments, workshops, and training session minutes notes would be useful information for the online newsletter.

Travel & reimbursement issues

It has gotten even MORE difficult for US government employees to use travel funding from non-governmental sources. The LNO has helped with covering costs directly thereby avoiding endless hang-ups with government billing. Now the Forest Service has a complicated pre-acceptance protocol for ethics approval from a USDA ethics office in Maryland (with all original signatures of people who are often not located in the same state, and all in hard copies). Can the LNO office convince them that since the funds are from NSF, they are a government funding source and not a non-governmental source (i.e., univ. of New Mexico) ?
Payment and reimbursement structure for travel was not transparent. I paid for a hotel bill as a University travel expense, as agreed prior to the trip, but LNO also paid for the same hotel bill. I took several hours of my time to get this straightened out, and in the end, I ended up having to reimburse LNO out of my own pocket; the hotel got paid twice. Neither the LNO travel office or the hotel was willing to sort this out--I found the LNO travel assistance to be unprofessional and tedious.
put a return address on the reimbursement form itself
some explanations on the reimbursement check would be great
UNM is too slow when processing reimbursements.

Praise!

LNO does a great job of organizing and support of meetings.
schedule one in Bali? (just kidding - LNO does a great job with LTER meetings!!!)
Tell the crew (George, Rina, JamesW) that they are truly awesome and helpful and thank them. But scold them for tempting us with cookies and brownies! More fruit please.
The few meetings and workshops I attended were excellent.

Miscellaneous

Don't know for now
not sure at this time
Web services as are in the planning. Summary records of actions taken by committees and working groups. Platform independent form of teleconferencing if feasible at this time.

Q78) If you have comments regarding this survey or suggestions for improvement, please let us know:

General Comments for LNO

I do social science work regarding water policy. I would love to work more with the LTER, but there's just no funding.
I expect their services are very good, but there is a gap in what exists, and what I am aware of existing, and my awareness of how that can help me.

In some cases like use of certain LNO services that I haven't used much or at all (eg Hydro Database, documents archive), it is nonetheless important for me to know they are there if I need them!

Just a general thought. As a graduate student, I did not utilize many of the resources mentioned in this survey, hence many "do not know" answers. If I were more aware of some of the databases (GIS, climate, etc) I probably would have made better use of them. I think the main interaction (via the web) for graduate students is their LTER site's website. We are unlikely to visit the LNO or the LTER-wide websites. So that would be the recommended place to advertise some of the resources mentioned in this survey.

Overall, better education & advertisement, especially for new LTER researchers & graduate students. As an LTER grad student, I have only used the LTER Network Public Website (which needs a great deal of improvement), and had no idea that the LTER "Intranet" existed with all of the resources being described here. Some sort of orientation, even if posted online would be useful. I am very interested in accessing these data and resources, but sometimes feel that I am drowning in acronyms and don't know what is what (NIS, LNO...)

Perhaps each of the sites could be encouraged to add more photographs to the media gallery site, because while the images currently there give a basic idea of the work performed at each site, many aren't very specific and it would be nice to see a better depiction of the range of environments between the collective sites.

Sorry to be so cryptic/disinterested/even negative appearing but as the central services has evolved so has my research and interests to areas other than that covered by LTER. What this means explicitly is that at the Luquillo Site I (and others) have moved "down the mountain" to address issues dealing with the urban area around San Juan (for which we have received an ULTRA). Personally I am more interested in issues related to energy (where Puerto Rico is especially vulnerable), resources and the development of Biophysical Economics, i.e. economics as a biophysical vs social science. I can do some of this well from the Luquillo base as many of us have moved in that direction, but I am not aware that this is an intersite issue and even if it were I would not have time to engage in it. On the other hand as a systems ecologist I applaud your intersite efforts. Were I still focused on "traditional" ecology I would probably be much more interested. Charles Hall

Simplify web services. Their are like twenty LNO LTER Website thingies and they are all organized differently. It is a complete cluster fuck. Cheers.

The data portal is superb. Access via user name and password could be easier. Answering one of the questions incorrectly when signing up causes confusion, so keep it simple.

Concerns

As an administrative support person, my specific dealings are generally for personnel updates and coordinating efforts for the All Scientists Meeting. The ASM coordination this last time seemed particularly unorganized--information came late, it seemed like the office was assuming the site offices understood more than we were given or plans changed mid-stream, and our site reimbursement was almost 6 months late (after repeated requests/reminders). Thank you.

I am concerned about duplication of effort by the LNO to the extent that it draws resources away from other activities.

I feel that the LNO focus on new advances in cyberinfrastructure is exciting but misguided. NSF wants us to do a better job presenting our core data, and they want more consistency among the WWWsites. I think that we should focus much more on what NSF wants and less on what we (or the LNO) is interested in doing.

it might be time to cancel the network office. What's the point, they cost a lot and do not add much. It can fund 1-2 more sites.

It would be good to see the LTER Network Office gradually shift priorities away from developing internal products that require additional work by sites and focus more on providing services and supporting sites. In many cases, LTER Network initiatives end up requiring site resources in the absence of an equal amount of site support. Perhaps after the NIS is completed, such efforts will be more feasible.

More efficient reimbursement from ASM would be appreciated.

Praise

I do not use many of the services provided by the LNO. Nonetheless, I think those services are valuable, as I can imagine that for some people, depending on their interests and situation, those services would be very valuable. The LNO provides what I consider potentially quite valuable resources.

I have worked with network office on some other agreements and been very impressed with response and their involvement

I want to commend the LNO on their conference and travel reimbursement support. I have had back-to-back meetings in DC various agencies and groups. My LTER reimbursements are ALWAYS weeks (sometimes months!) ahead of getting my other reimbursement checks! thank you!

Survey content

1. In some cases there are terms that average users will not understand. for example, an early question used the phrase "denial-of-service". Instead, you should use phrases like "does slow speed or unresponsiveness of lno servers hamper your progress" 2. In the last group of questions, I was asked to rate the importance of services of the LNO. This should be split into categories: how important do I think those services are, and how effective are they actually. In some cases, I may have said that a service was not important because I find the needed info elsewhere. Rating the effectiveness of services appeared to be mostly covered in the middle of the questionnaire. 3. to me, what would make sense would be to present groups of questions in this order: first: what services do you think are important for the LNO to offer? then: how aware of (or how much do you use) these services? these two groups of questions will give the responder context for the last section: last: rate effectiveness of those services.

A section requesting input about new directives for LNO (or redirection recognizing that the LNO already provides numerous services) that support the LTER community should be included in the survey.

I did not realize the LTER Network Public website and the LNO website were two separate sites. It would have been helpful to have a URL for each to distinguish them.

Maybe a tad too long. Repetitive of communications survey sent out last year.

seems that survey responses will hinge greatly on whether the participant conducts cross-site research/activities (I do not), which seems like something you might be able to infer from the responses but, to be sure, might consider asking outright so as to weight the responses

the survey doesn't really allow us to comment such as: posting a job opp on the website is very difficult to do and in two of my experiences required so many back and forth emails that it became aggravating the personnel database seems hard to keep updated for each site. the website could use an update done by a professional firm, but that takes significant funding good luck!

The survey is awfully large and detailed, making it less likely I'll fill it out in the future. I'd suggest limiting detailed questions to one or two areas dealt with by the LNO each year to reduce the size of the survey.

that took a lot longer than the advertised 12 minutes :-)

Survey universe (targeting respondents)

I am an outlier within the network - as an economist/social scientist. My feeling is strongly that the LNO does a great job. Much of what is done, however, is not really directly related to my work. I worry that my responses to the survey seem like "medium" or "low" evaluation, but that is not at all my intent. I have no real complaints. LNO has always exceeded my expectations, by a long shot, and is a role model for how such support functions should be done in any academic research organization.

As a graduate student, I was not exposed to LTER operations at the network level. My interactions and involvement were site specific. I was a post-doc at CAP LTER and now I continue to collaborate on a limited basis from afar. I was never really involved in any of the centralized planning processes, so I never even heard of the LNO.

I think many of the services are for the lead PIs, I do not utilize them much. I tend to benefit indirectly, via the Lead PI and Info Manager, who are far more active within the LNO and who utilize the resources as needed.

I am only minimally involved with an LTER site at this time, and do not feel like I am aware of much that the LTER network does. This isn't necessarily a reflection of LNO performance, as I have not made an effort to search out information.

I joined the LTER group very recently and have not yet used most of the resources involved.

I pretty much work on my science in the Palmer LTER, and am not aware of what the LNO actually does or how it impacts me and my participation.






Many questions largely irrelevant to my work at LUQ, as partner/assistant/cooperator with an independent researcher as coPI based in the UK and making one or two extended visits annually since 1993. Not a part of the mainstream LTER family, although funding [expenses only] are provided through the LUQ LTER.

1. Are you ready to begin?












	Response Percent	Response Count
Yes	100.0%	467
answered question		467
skipped question		0

2. At which site do you do the majority of your work? (pull down menu)

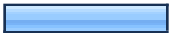




		Response Percent	Response Count
Andrews LTER (AND)	<input type="checkbox"/>	4.6%	21
Arctic LTER (ARC)	<input type="checkbox"/>	2.0%	9
Baltimore Ecosystem Study (BES)	<input type="checkbox"/>	2.4%	11
Bonanza Creek LTER (BNZ)	<input type="checkbox"/>	3.3%	15
Central Arizona-Phoenix (CAP)	<input type="checkbox"/>	4.6%	21
California Current Ecosystem (CCE)	<input type="checkbox"/>	1.8%	8
Cedar Creek LTER (CDR)	<input type="checkbox"/>	2.2%	10
Coweeta LTER (CWT)	<input type="checkbox"/>	5.7%	26
Florida Coastal Everglades (FCE)	<input type="checkbox"/>	6.4%	29
Georgia Coastal Ecosystems (GCE)	<input type="checkbox"/>	4.2%	19
Harvard Forest (HFR)	<input type="checkbox"/>	3.1%	14
Hubbard Brook LTER (HBR)	<input type="checkbox"/>	2.6%	12
Jornada Basin (JRN)	<input type="checkbox"/>	2.2%	10
Kellogg Biological Station (KBS)	<input checked="" type="checkbox"/>	8.3%	38
Konza LTER (KNZ)	<input type="checkbox"/>	4.8%	22
Luquillo LTER (LUQ)	<input type="checkbox"/>	6.1%	28
McMurdo Dry Valleys (MCM)	<input type="checkbox"/>	2.4%	11
Moorea Coral Reef (MCR)	<input type="checkbox"/>	2.9%	13
Niwot Ridge LTER (NWT)	<input type="checkbox"/>	2.0%	9
North Temperate Lakes (NTL)	<input type="checkbox"/>	4.2%	19
Palmer Station (PAL)	<input type="checkbox"/>	3.5%	16
Plum Island Ecosystem (PIE)	<input type="checkbox"/>	1.8%	8

Santa Barbara Coastal (SBC)		5.7%	26
Sevilleta LTER (SEV)		5.7%	26
Shortgrass Steppe (SGS)		1.5%	7
Virigina Coast Reserve (VCR)		3.3%	15
Not currently associated with any site.		2.9%	13
answered question			456
skipped question			11

3. Which one of the following best describes your role at your research site?

		Response Percent	Response Count
Lead PI		6.0%	27
Co PI		17.0%	77
Information Manager		5.5%	25
Education Coordinator/Researcher		6.0%	27
Site Scientist/Educator		8.2%	37
Technician/Lab Program		7.7%	35
Visiting Researcher/Collaborator		8.2%	37
Graduate Student		23.7%	107
Former Student/Researcher		3.5%	16
Post-doctoral Researcher		5.1%	23
Other (please specify)		9.1%	41
answered question			452
skipped question			15

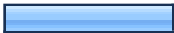


4. How would you describe your level of expertise with Ecological Metadata Language (EML)?

		Response Percent	Response Count
Very High		24.0%	6
High		36.0%	9
Moderate		28.0%	7
Low		8.0%	2
None		4.0%	1
Don't know		0.0%	0
answered question			25
skipped question			442

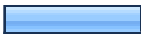


5. On average, how often do you request assistance from LNO staff in the implementation of Ecological Metadata Language?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		0.0%	0
Once a week		0.0%	0
A few times a month		4.0%	1
Once a month		0.0%	0
A few times a year		32.0%	8
About once a year		28.0%	7
Never		36.0%	9
Don't know		0.0%	0
answered question			25
skipped question			442





6. Rate your satisfaction with assistance you have received from LNO staff in the implementation of Ecological Metadata Language?

		Response Percent	Response Count
Very satisfied		25.0%	4
Satisfied		68.8%	11
Neither satisfied or dissatisfied		6.3%	1
Dissatisfied		0.0%	0
Very dissatisfied		0.0%	0
Don't Know		0.0%	0
answered question			16
skipped question			451






7. How useful have you found LNO webcasts on data management?

		Response Percent	Response Count
Very useful		20.0%	5
Somewhat useful		12.0%	3
Not at all useful		0.0%	0
Don't know/haven't seen one		68.0%	17
answered question			25
skipped question			442





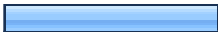


8. How useful have you found LNO webcasts on cyber-security?

		Response Percent	Response Count
Very useful		16.0%	4
Somewhat useful		16.0%	4
Not at all useful		4.0%	1
Don't know/haven't seen one		64.0%	16
answered question			25
skipped question			442




9. How often, if ever, has your work on an LNO server been affected by problems resulting in a delay or by a denial of service?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		0.0%	0
Once a week		0.0%	0
A few times a month		0.0%	0
Once a month		4.0%	1
A few times a year		20.0%	5
About once a year		24.0%	6
Never		36.0%	9
Don't know		16.0%	4
answered question			25
skipped question			442

10. How confident are you in the security of the LNO site and databases?

		Response Percent	Response Count
0 - Not at all confident		0.0%	0
1		0.0%	0
2		0.0%	0
3		8.0%	2
4		0.0%	0
5		4.0%	1
6		0.0%	0
7		4.0%	1
8		12.0%	3
9		32.0%	8
10 - Extremely confident		32.0%	8
Don't Know		8.0%	2
answered question			25
skipped question			442





11. Have you requested assistance (e.g., technical help, help in finding information about LTER, changes in web page content, posting job opportunities or announcements, requests for slides or images, etc.) from the LNO in the last 6 months?

		Response Percent	Response Count
Yes		18.0%	81
No		80.9%	365
Don't Know		1.1%	5
answered question			451
skipped question			16







12. About how many times in the last 6 months have you requested assistance from the LNO staff? (Please enter 0 if the answer is zero.)

	Response Average	Response Total	Response Count
Number of times in the last 6 months	4.01	325	81
answered question			81
skipped question			386

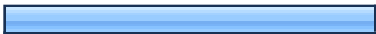




13. Which one of the following methods did you use most frequently to request assistance?

		Response Percent	Response Count
Submitted request to tech_support@lternet.edu and/or office_support@lternet.edu		12.3%	10
Sent an email directly to LNO staff person		71.6%	58
Telephoned an LNO staff person		11.1%	9
Other (please specify)		4.9%	4
		answered question	81
		skipped question	386






14. For what reason did you not submit your request to the request tracking system at tech_support@lternet.edu or office_support@lternet.edu?

		Response Percent	Response Count
Too impersonal		8.5%	6
Needed the information immediately		12.7%	9
Had other time concerns		1.4%	1
Wasn't sure my question was appropriate for this system		15.5%	11
Unaware of request tracking system		32.4%	23
Other (please specify)		29.6%	21
		answered question	71
		skipped question	396




15. ...the timeliness of response to your problem?

		Response Percent	Response Count
Very Satisfied		55.6%	45
Satisfied		33.3%	27
Neither satisfied or dissatisfied		7.4%	6
Dissatisfied		2.5%	2
Very Dissatisfied		1.2%	1
Don't know		0.0%	0
answered question			81
skipped question			386









16. ...the usefulness of the help you received?

		Response Percent	Response Count
Very Satisfied		56.8%	46
Satisfied		30.9%	25
Neither Satisfied or Dissatisfied		8.6%	7
Dissatisfied		2.5%	2
Very Dissatisfied		1.2%	1
Don't Know		0.0%	0
answered question			81
skipped question			386

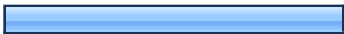



17. Do you use the @lternet.edu mail aliases (where you just type in first initial-last name) to contact individuals in the LTER network?

		Response Percent	Response Count
Yes		12.2%	55
No		85.1%	383
Don't Know		2.7%	12
answered question			450
skipped question			17







18. About how often do you use the @lternet.edu mail aliases?

		Response Percent	Response Count
Daily		3.8%	2
A few times a week		5.7%	3
Once a week		5.7%	3
A few times a month		20.8%	11
Once a month		15.1%	8
A few times a year		43.4%	23
About once a year		1.9%	1
Don't know		3.8%	2
answered question			53
skipped question			414

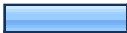

19. In your experience, about how often do the @lternet.edu mail aliases function properly?

		Response Percent	Response Count
Always		50.9%	27
Most of the time		30.2%	16
Sometimes		7.5%	4
Never		0.0%	0
Don't Know		11.3%	6
answered question			53
skipped question			414








20. Why don't you use the @lternet.edu mail aliases to contact individuals in the LTER network?

		Response Percent	Response Count
Too time consuming		0.3%	1
They are often incorrect		0.3%	1
It's easier to use another email address		28.2%	108
Not familiar with the mail alias system		31.1%	119
Have not had the need		36.3%	139
Other (please specify)		3.9%	15
answered question			383
skipped question			84






21. Do you use the LNO-established e-mail group lists to contact groups within the LTER network? (e.g., gis@lternet.edu or Climate@lternet.edu)

		Response Percent	Response Count
Yes		18.3%	82
No		81.7%	365
answered question			447
skipped question			20





22. About how often do you use the e-mail group lists function?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		8.4%	7
Once a week		3.6%	3
A few times a month		10.8%	9
Once a month		10.8%	9
A few times a year		51.8%	43
About once a year		12.0%	10
Don't know		2.4%	2
answered question			83
skipped question			384

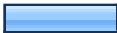


23. In your experience, about how often do the e-mail group lists function properly?

		Response Percent	Response Count
Always		50.6%	42
Most of the time		38.6%	32
Sometimes		2.4%	2
Never		1.2%	1
Don't Know		7.2%	6
answered question			83
skipped question			384







24. Why don't you use the LNO-established e-mail group lists to contact groups within the LTER Network?

		Response Percent	Response Count
Too time consuming		0.0%	0
They are often incorrect		0.0%	0
It's easier to use another group mail function		3.0%	11
Don't know which ones exist or who they reach		27.9%	102
Have not had the need		66.6%	243
Other (please specify)		2.5%	9
answered question			365
skipped question			102

25. Have you ever used the PolyCom videoconferencing services provided by the LNO for virtual meetings?

		Response Percent	Response Count
Yes		16.4%	73
No		80.7%	359
Don't Know		2.9%	13
answered question			445
skipped question			22

26. Why haven't you used the videoconferencing services provided by the LNO?

		Response Percent	Response Count
No need to do this		58.4%	216
Time issues with other participants		0.3%	1
Lack necessary connectivity		1.6%	6
Lack necessary equipment		5.1%	19
Wasn't aware it was offered		38.6%	143
Other (please specify)		6.8%	25
answered question			370
skipped question			97



27. About how often do you use the Videoconferencing services?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		1.4%	1
Once a week		0.0%	0
A few times a month		22.2%	16
Once a month		19.4%	14
A few times a year		33.3%	24
About once a year		19.4%	14
Don't know		4.2%	3
answered question			72
skipped question			395




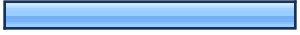

28. Rate your level of satisfaction regarding the quality of the videoconferencing services provided by the LNO.

		Response Percent	Response Count
Very satisfied		35.6%	26
Satisfied		39.7%	29
Neither satisfied or dissatisfied		13.7%	10
Dissatisfied		6.8%	5
Very Dissatisfied		4.1%	3
Don't Know		0.0%	0
answered question			73
skipped question			394

29. Do you use the Climate Database (<http://www.fsl.orst.edu/climhy>)?

		Response Percent	Response Count
Yes		19.3%	85
No		80.7%	355
answered question			440
skipped question			27

30. For which of the following reasons do you not use the Climate Database?

		Response Percent	Response Count
Not pertinent to my research		44.1%	157
Too difficult to access		1.1%	4
Too difficult to use		1.1%	4
Wasn't aware there was one		43.5%	155
Other (please specify)		10.1%	36
answered question			356
skipped question			111



31. Approximately how often do you access the Climate Database?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		2.4%	2
Once a week		1.2%	1
A few times a month		8.2%	7
Once a month		4.7%	4
A few times a year		58.8%	50
About once a year		21.2%	18
Don't know		3.5%	3
answered question			85
skipped question			382

32. Rate your level of satisfaction regarding the following operations on the Climate Database.

	Very Satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very Dissatisfied	I don't use this function	Don't Know
Usefulness/ease of interface	16.5% (14)	57.6% (49)	12.9% (11)	5.9% (5)	0.0% (0)	2.4% (2)	4.7% (4)
Finding metadata	9.4% (8)	54.1% (46)	20.0% (17)	3.5% (3)	0.0% (0)	4.7% (4)	8.2% (7)
Finding data	16.5% (14)	58.8% (50)	16.5% (14)	0.0% (0)	0.0% (0)	3.5% (3)	4.7% (4)
Downloading data	17.6% (15)	68.2% (58)	7.1% (6)	0.0% (0)	0.0% (0)	2.4% (2)	4.7% (4)
Graphing data	12.9% (11)	34.1% (29)	17.6% (15)	2.4% (2)	0.0% (0)	18.8% (16)	14.1% (12)
answered question							
skipped question							

33. Do you use the Hydrology Database (<http://www.fsl.orst.edu/climhy>)?

		Response Percent	Response Count
Yes		10.7%	47
No		89.3%	391
answered question			438
skipped question			29

34. For which of the following reasons do you not use the Hydrology Database?

		Response Percent	Response Count
Not pertinent to my research		58.0%	228
Too difficult to access		0.3%	1
Too difficult to use		1.0%	4
Wasn't aware there was one		35.4%	139
Other (please specify)		5.3%	21
answered question			393
skipped question			74


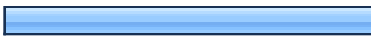
35. Approximately how often do you access the Hydrology Database?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		2.1%	1
Once a week		2.1%	1
A few times a month		6.4%	3
Once a month		8.5%	4
A few times a year		51.1%	24
About once a year		25.5%	12
Don't know		4.3%	2
answered question			47
skipped question			420

36. Rate your level of satisfaction regarding the following operations on the Hydrology Database

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	I don't use this function	Don't Know
Usefulness/ease of interface	17.0% (8)	51.1% (24)	21.3% (10)	6.4% (3)	2.1% (1)	0.0% (0)	2.1% (1)
Finding metadata	10.6% (5)	48.9% (23)	27.7% (13)	8.5% (4)	0.0% (0)	2.1% (1)	2.1% (1)
Finding data	17.0% (8)	63.8% (30)	12.8% (6)	2.1% (1)	0.0% (0)	2.1% (1)	2.1% (1)
Downloading data	19.1% (9)	59.6% (28)	14.9% (7)	2.1% (1)	0.0% (0)	2.1% (1)	2.1% (1)
Graphing data	10.6% (5)	27.7% (13)	25.5% (12)	4.3% (2)	0.0% (0)	21.3% (10)	10.6% (5)
answered question							
skipped question							

37. Do you use the Personnel Directory (<http://intranet.lternet.edu/>)?

		Response Percent	Response Count
Yes		44.7%	196
No		55.3%	242
answered question			438
skipped question			29

38. For which of the following reasons do you not use the Personnel Directory?

		Response Percent	Response Count
Too difficult to access		2.1%	5
Too difficult to use		2.1%	5
It isn't current		2.9%	7
Wasn't aware there was one		45.0%	107
Other (please specify)		47.9%	114
answered question			238
skipped question			229

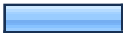

39. Approximately how often do you access the Personnel Directory?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		1.5%	3
Once a week		2.6%	5
A few times a month		7.1%	14
Once a month		8.7%	17
A few times a year		58.2%	114
About once a year		18.4%	36
Don't know		3.6%	7
answered question			196
skipped question			271

40. Rate your level of satisfaction regarding the following operations on the Personnel Director

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	I don't use this function	Don't Know
Usefulness/ease of interface	16.8% (33)	57.1% (112)	13.3% (26)	3.6% (7)	1.0% (2)	2.0% (4)	6.1% (12)
Finding information for an individual in the directory	18.9% (37)	58.7% (115)	13.3% (26)	1.5% (3)	0.0% (0)	2.6% (5)	5.1% (10)
Finding individuals involved with a core area, discipline, habitat, or type of organism	12.8% (25)	37.8% (74)	15.8% (31)	5.6% (11)	0.0% (0)	15.8% (31)	12.2% (24)
answered question							
skipped question							

41. Do you use the LTER Bibliography (<http://intranet.lternet.edu/>)?

		Response Percent	Response Count
Yes		17.3%	75
No		82.7%	359
answered question			434
skipped question			33

42. For which of the following reasons do you not use the Bibliographic Database?

		Response Percent	Response Count
Too difficult to access		0.6%	2
Too difficult to use		0.6%	2
It isn't current		3.9%	14
Wasn't aware there was one		55.7%	199
Other (please specify)		39.2%	140
answered question			357
skipped question			110



43. Approximately how often do you access the Bibliographic Database?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		2.7%	2
Once a week		1.3%	1
A few times a month		6.7%	5
Once a month		2.7%	2
A few times a year		69.3%	52
About once a year		16.0%	12
Don't know		1.3%	1
answered question			75
skipped question			392






44. Rate your level of satisfaction regarding the following operations on the Bibliographic Data

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	I don't use this function	Don't Know
Usefulness/ease of interface	24.0% (18)	57.3% (43)	9.3% (7)	5.3% (4)	1.3% (1)	0.0% (0)	2.7% (2)
Finding information for a particular publication	20.3% (15)	54.1% (40)	13.5% (10)	4.1% (3)	0.0% (0)	4.1% (3)	4.1% (3)
Finding information on publications relating to a particular topic in the bibliography	17.6% (13)	45.9% (34)	20.3% (15)	1.4% (1)	0.0% (0)	8.1% (6)	6.8% (5)
answered question							
skipped question							





45. Have you ever used the LTER Network Remote Sensing Archive (<http://www.lternet.edu/technology/ltergis/index.html>)

	Response Percent	Re (
Yes 	3.9%	
No 	96.1%	
answered question		
skipped question		

46. For which of the following reasons do you not use the Remote Sensing Archive?

		Response Percent	Response Count
Not pertinent to my research		44.7%	185
Too difficult to access		0.2%	1
Too difficult to use		0.0%	0
There are better and/or more images elsewhere		5.8%	24
Wasn't aware there was one		39.4%	163
Other (please specify)		9.9%	41
answered question			414
skipped question			53


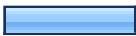
47. Approximately how often do you use access the Remote Sensing Archive?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		0.0%	0
Once a week		0.0%	0
A few times a month		5.9%	1
Once a month		0.0%	0
A few times a year		47.1%	8
About once a year		35.3%	6
Don't know		11.8%	2
answered question			17
skipped question			450



48. Rate your level of satisfaction regarding the following operations on the Remote Sensing A

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	I don't use this function	Don't Know
Usefulness/ease of interface	0.0% (0)	41.2% (7)	17.6% (3)	17.6% (3)	0.0% (0)	0.0% (0)	23.5% (4)
Finding metadata	5.9% (1)	41.2% (7)	17.6% (3)	17.6% (3)	0.0% (0)	0.0% (0)	17.6% (3)
Finding data	0.0% (0)	41.2% (7)	17.6% (3)	23.5% (4)	0.0% (0)	0.0% (0)	17.6% (3)
Downloading data	0.0% (0)	64.7% (11)	11.8% (2)	5.9% (1)	0.0% (0)	0.0% (0)	17.6% (3)
Site coverage	0.0% (0)	41.2% (7)	23.5% (4)	11.8% (2)	5.9% (1)	0.0% (0)	17.6% (3)
answered question							
skipped question							




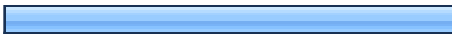

49. What additional services or modifications to existing services would you like the LNO to provide in support of Network Databases?

		Response Percent	Response Count
None		80.5%	346
Other (please specify)		19.5%	84
answered question			430
skipped question			37








50. Do you use the Document Archive to access LTER records?

		Response Percent	Response Count
Yes		20.4%	87
No		79.6%	339
answered question			426
skipped question			41

51. For which of the following reasons do you not use the Document Archive to access LTER records?

		Response Percent	Response Count
Too difficult to access		0.3%	1
Too difficult to use		0.9%	3
Wasn't aware there was one		26.0%	88
Haven't yet had a need for this function		67.8%	229
Other (please specify)		5.0%	17
answered question			338
skipped question			129

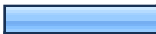

52. Approximately how often do you access LTER records?

		Response Percent	Response Count
Daily		1.1%	1
A few times a week		1.1%	1
Once a week		0.0%	0
A few times a month		4.6%	4
Once a month		17.2%	15
A few times a year		48.3%	42
About once a year		24.1%	21
Don't know		3.4%	3
answered question			87
skipped question			380






53. Rate your level of satisfaction regarding the following operations in the Document Archive with regards to LTER records

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	Response Count
Ease of finding records	18.4% (16)	43.7% (38)	14.9% (13)	11.5% (10)	6.9% (6)	4.6% (4)	88
Completeness of records	14.9% (13)	42.5% (37)	19.5% (17)	10.3% (9)	4.6% (4)	8.0% (7)	88
Ease of downloading records	27.6% (24)	51.7% (45)	12.6% (11)	0.0% (0)	0.0% (0)	8.0% (7)	88
answered question							88
skipped question							380

54. Do you use the Data Catalog to discover and access data from LTER sites?

		Response Percent	Response Count
Yes		22.6%	96
No		77.4%	329
answered question			425
skipped question			42

55. For which of the following reasons do you not use the Data Catalog to discover and access LTER data?

		Response Percent	Response Count
Too difficult to access		0.9%	3
Too difficult to use		1.8%	6
Wasn't aware there was one		23.4%	77
Haven't yet had a need for this function		59.6%	196
Other (please specify)		14.3%	47
answered question			329
skipped question			138



56. Approximately how often do you access the Data Catalog?

		Response Percent	Response Count
Daily		3.2%	3
A few times a week		2.1%	2
Once a week		3.2%	3
A few times a month		5.3%	5
Once a month		10.5%	10
A few times a year		46.3%	44
About once a year		27.4%	26
Don't know		2.1%	2
answered question			95
skipped question			372






57. Rate your level of satisfaction regarding the following operations in the Data Catalog.

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	Response Count
Ease of finding data	7.4% (7)	58.9% (56)	18.9% (18)	8.4% (8)	3.2% (3)	3.2% (3)	95
Completeness of data	9.5% (9)	43.2% (41)	25.3% (24)	11.6% (11)	4.2% (4)	6.3% (6)	95
Ease of downloading data	11.6% (11)	50.5% (48)	22.1% (21)	6.3% (6)	3.2% (3)	6.3% (6)	95
answered question							95
skipped question							372

58. Do you use the Image Archive of still and video images (<http://www.lternet.edu/gallery/>)?

		Response Percent	Response Count
Yes		14.4%	61
No		85.6%	363
answered question			424
skipped question			43

59. For which of the following reasons do you not use the Image Archive?

		Response Percent	Response Count
Too difficult to access		0.0%	0
Too difficult to use		0.3%	1
Insufficient number of images		1.7%	6
Wasn't aware there was one		37.5%	136
Haven't yet had a need for this function		56.7%	206
Other (please specify)		3.9%	14
answered question			363
skipped question			104


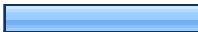




60. Approximately how often do you access the Image Archive?

		Response Percent	Response Count
Daily		0.0%	0
A few times a week		1.6%	1
Once a week		0.0%	0
A few times a month		3.3%	2
Once a month		3.3%	2
A few times a year		45.9%	28
About once a year		42.6%	26
Don't know		3.3%	2
answered question			61
skipped question			406



61. Rate your level of satisfaction with the following aspects of the Image Archive:

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	Response Count
Ease of finding images	9.8% (6)	63.9% (39)	21.3% (13)	3.3% (2)	0.0% (0)	1.6% (1)	6
Completeness of archive	4.9% (3)	29.5% (18)	32.8% (20)	18.0% (11)	4.9% (3)	9.8% (6)	6
Ease of downloading images	21.3% (13)	63.9% (39)	9.8% (6)	0.0% (0)	0.0% (0)	4.9% (3)	6
Image quality	18.0% (11)	55.7% (34)	16.4% (10)	6.6% (4)	0.0% (0)	3.3% (2)	6
Variety of images available	6.6% (4)	39.3% (24)	32.8% (20)	14.8% (9)	4.9% (3)	1.6% (1)	6
answered question							6
skipped question							40

62. Rate your level of satisfaction with the timeliness of information you receive about the development of the Network Information System and its constituent databases.

		Response Percent	Response Count
Very satisfied		10.7%	45
Satisfied		29.0%	122
Neither satisfied or dissatisfied		32.3%	136
Dissatisfied		4.5%	19
Very dissatisfied		1.2%	5
Don't Know		22.3%	94
answered question			421
skipped question			46

63. What additional services or modifications to existing services would you like the LNO to provide in support of Network Cyberinfrastructure?

		Response Percent	Response Count
None		84.6%	356
Other (please specify)		15.4%	65
answered question			421
skipped question			46



64. Please rate your level of satisfaction with the general format and look of the following LNO Outreach Services:

	Haven't seen it	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	
LTER newsletter	16.1% (65)	23.1% (93)	38.2% (154)	10.9% (44)	1.0% (4)	0.7% (3)	9.9% (40)	
LTER online newsletter	24.1% (97)	17.6% (71)	34.5% (139)	9.7% (39)	0.7% (3)	0.5% (2)	12.9% (52)	
Your site's brochure	16.6% (67)	23.3% (94)	30.8% (124)	10.7% (43)	4.0% (16)	0.2% (1)	14.4% (58)	
ALL-LTER (Network) brochure	33.0% (133)	12.4% (50)	21.8% (88)	11.7% (47)	1.7% (7)	0.2% (1)	19.1% (77)	
LTER Network Public Website	16.6% (67)	13.2% (53)	34.0% (137)	13.6% (55)	6.7% (27)	2.0% (8)	13.9% (56)	
LTER Intranet Website	24.3% (98)	9.7% (39)	28.0% (113)	14.1% (57)	3.7% (15)	1.2% (5)	18.9% (76)	
LNO website	28.5% (115)	9.4% (38)	23.1% (93)	14.1% (57)	3.0% (12)	1.2% (5)	20.6% (83)	
LTER's exhibit at various national science meetings	25.3% (102)	13.4% (54)	27.3% (110)	10.4% (42)	1.0% (4)	0.0% (0)	22.6% (91)	
							answered question	
							skipped question	



65. Thinking about the content of the outreach methods used by LNO to communicate information to network scientists, how satisfied are you with:

	Haven't seen it	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know
LTER newsletter	16.1% (65)	21.3% (86)	34.0% (137)	13.2% (53)	1.2% (5)	0.7% (3)	13.4% (54)
LTER online newsletter	22.3% (90)	15.9% (64)	32.8% (132)	10.9% (44)	1.2% (5)	0.7% (3)	16.1% (65)
LTER Network Public Website	16.4% (66)	10.7% (43)	35.0% (141)	13.6% (55)	5.2% (21)	2.0% (8)	17.1% (69)
LTER Intranet Website	23.8% (96)	7.7% (31)	29.0% (117)	12.2% (49)	3.5% (14)	1.2% (5)	22.6% (91)
LNO website	27.3% (110)	8.2% (33)	25.6% (103)	11.7% (47)	3.2% (13)	1.0% (4)	23.1% (93)
LNO annual report	34.5% (139)	6.5% (26)	19.1% (77)	12.9% (52)	1.2% (5)	0.5% (2)	25.3% (102)
Visits to sites by LNO staff	31.3% (126)	9.7% (39)	15.1% (61)	14.4% (58)	0.5% (2)	0.7% (3)	28.3% (114)
Annual Presentations to the Executive Board by LNO staff	36.7% (148)	6.9% (28)	12.2% (49)	9.7% (39)	0.5% (2)	0.2% (1)	33.7% (136)
							answered question
							skipped question

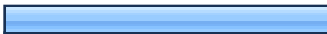




66. What changes or additions to LNO's outreach services and/or materials would you like the LNO to provide?

		Response Percent	Response Count
None		83.4%	336
Other (please specify)		16.6%	67
answered question			403
skipped question			64




67. Have you ever submitted a proposal to the LNO for a research working group meeting (e.g., after the 2009 ASM)?

		Response Percent	Response Count
Yes		20.4%	82
No		79.6%	320
answered question			402
skipped question			65

68. In general how satisfied were you with the fairness of the proposal review process?

		Response Percent	Response Count
Very satisfied		48.8%	40
Satisfied		30.5%	25
Neither satisfied nor dissatisfied		9.8%	8
Dissatisfied		3.7%	3
Very dissatisfied		0.0%	0
Don't Know		7.3%	6
answered question			82
skipped question			385

69. Have you ever attended a training session or meeting organized by LNO?

		Response Percent	Response Count
Yes		48.5%	195
No		44.5%	179
Don't Know		7.0%	28
answered question			402
skipped question			65

70. Why haven't you attended a training session or meeting organized by LNO?

		Response Percent	Response Count
Wasn't aware they were offered		42.7%	90
No Time		18.0%	38
No funding to attend		10.9%	23
Topics not of interest		14.2%	30
Other (please specify)		14.2%	30
		answered question	211
		skipped question	256

71. Did you attend a training session facilitated by LNO?

		Response Percent	Response Count
Yes		20.7%	41
No		77.3%	153
Don't Know		2.0%	4
		answered question	198
		skipped question	269




72. Why haven't you attended an LNO training session?

		Response Percent	Response Count
Wasn't aware they were offered		36.3%	57
No Time		12.7%	20
No funding to attend		6.4%	10
Topics not of interest		32.5%	51
Other (please specify)		12.1%	19
answered question			157
skipped question			310

73. Rate your level of satisfaction with the following elements of the last training session you attended.

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	Response Count
Organization of the training session	52.5% (21)	37.5% (15)	2.5% (1)	5.0% (2)	0.0% (0)	2.5% (1)	40
Relevance of the training topic to your research	45.0% (18)	52.5% (21)	0.0% (0)	0.0% (0)	0.0% (0)	2.5% (1)	40
Subject expertise of presenter/trainer	55.0% (22)	35.0% (14)	5.0% (2)	2.5% (1)	0.0% (0)	2.5% (1)	40
Ability of experts to get information across	52.5% (21)	42.5% (17)	2.5% (1)	0.0% (0)	0.0% (0)	2.5% (1)	40
Increase in your understanding the topic areas	55.0% (22)	35.0% (14)	5.0% (2)	2.5% (1)	0.0% (0)	2.5% (1)	40
answered question							40
skipped question							42

74. Have you ever attended any other types of meetings facilitated by LNO? (Research working group meeting, planning group meeting, governance/committee meeting)

		Response Percent	Response Count
Yes		67.9%	133
No		27.6%	54
Don't Know		4.6%	9
answered question			196
skipped question			271



75. Which of the following types of meetings, organized by LNO, have you attended

	Yes	No	Don't Know	Response Count
Research working group meeting	76.5% (101)	19.7% (26)	3.8% (5)	132
Planning group meeting	47.7% (63)	48.5% (64)	3.8% (5)	132
Governance/committee meeting	50.0% (66)	46.2% (61)	3.8% (5)	132
answered question				132
skipped question				335

76. Considering all the LNO-organized meetings you have attended, please rate your general level of satisfaction with the following elements of those meetings.

	Very satisfied	Satisfied	Neither satisfied or dissatisfied	Dissatisfied	Very dissatisfied	Don't Know	Response Count
Ease of making travel arrangements	56.1% (74)	34.8% (46)	2.3% (3)	0.8% (1)	0.8% (1)	5.3% (7)	132
Timeliness and ease of reimbursement	47.0% (62)	32.6% (43)	4.5% (6)	3.8% (5)	0.0% (0)	12.1% (16)	132
Adequacy of pre-meeting information about logistics	47.0% (62)	41.7% (55)	6.8% (9)	0.8% (1)	0.0% (0)	3.8% (5)	132
Ease in finding follow-up information	31.8% (42)	37.9% (50)	13.6% (18)	5.3% (7)	0.0% (0)	11.4% (15)	132
answered question							132
skipped question							33

77. What additional services or modifications to existing services would you like the LNO to provide in support of LTER meetings?

		Response Percent	Response Count
None		88.6%	117
Other (please specify)		11.4%	15
answered question			132
skipped question			335






78. The LNO-provided services are to facilitate your participation in LTER Network research and indicate how important to your LTER experience the following LNO services are.

	0 - Not at all important	1	2	3	4	5	6	7	8	9	10
@lternet.edu mail aliases	35.2% (138)	5.4% (21)	7.1% (28)	2.0% (8)	4.1% (16)	7.4% (29)	3.6% (14)	3.3% (13)	4.3% (17)	1.5% (6)	
LNO-established e-mail group lists	14.8% (58)	6.4% (25)	6.1% (24)	3.8% (15)	4.1% (16)	7.6% (30)	5.9% (23)	7.4% (29)	6.1% (24)	4.8% (19)	
Technical assistance	9.5% (37)	4.1% (16)	3.3% (13)	4.1% (16)	4.1% (16)	8.2% (32)	6.7% (26)	6.7% (26)	8.5% (33)	6.9% (27)	
Training sessions	9.8% (38)	3.3% (13)	6.9% (27)	6.7% (26)	3.1% (12)	6.2% (24)	4.4% (17)	6.4% (25)	7.5% (29)	2.6% (10)	
Research working group meetings	5.9% (23)	0.5% (2)	2.1% (8)	1.3% (5)	2.1% (8)	5.6% (22)	5.6% (22)	8.5% (33)	12.1% (47)	10.0% (39)	
All Scientists' Meetings	2.6% (10)	0.5% (2)	0.8% (3)	1.0% (4)	3.1% (12)	3.3% (13)	4.3% (17)	7.9% (31)	14.8% (58)	13.0% (51)	
Governance/committee meetings	8.9% (35)	2.6% (10)	3.8% (15)	4.3% (17)	3.8% (15)	7.9% (31)	3.3% (13)	4.1% (16)	7.7% (30)	5.6% (22)	
Planning meetings	8.7% (34)	2.0% (8)	3.3% (13)	2.6% (10)	3.1% (12)	8.2% (32)	5.4% (21)	6.1% (24)	7.7% (30)	5.4% (21)	
Climate Database	7.1% (28)	1.8% (7)	2.6% (10)	2.6% (10)	1.8% (7)	5.6% (22)	4.8% (19)	7.9% (31)	11.0% (43)	8.9% (35)	
Hydrology Database	9.4% (37)	2.8% (11)	4.3% (17)	2.0% (8)	1.8% (7)	6.4% (25)	3.3% (13)	6.4% (25)	10.2% (40)	8.2% (32)	
Personnel Database	6.1% (24)	2.3% (9)	3.8% (15)	4.9% (19)	2.3% (9)	7.7% (30)	5.6% (22)	8.7% (34)	13.0% (51)	7.7% (30)	
Data Catalog	6.1% (24)	1.8% (7)	2.8% (11)	0.8% (3)	2.0% (8)	4.9% (19)	6.4% (25)	6.9% (27)	8.2% (32)	12.3% (48)	
Mini symposium presentations streamed via the internet	8.7% (34)	4.6% (18)	3.3% (13)	2.8% (11)	4.6% (18)	8.4% (33)	6.1% (24)	10.5% (41)	7.1% (28)	4.8% (19)	


79. List of LNO services, continued.

	0 - Not at all important	1	2	3	4	5	6	7	8	9	10 - Very important
All Site Bibliography	7.7% (30)	3.8% (15)	3.6% (14)	4.3% (17)	2.6% (10)	9.9% (39)	5.1% (20)	9.7% (38)	7.7% (30)	5.4% (21)	
Remote Sensing Archive	9.9% (39)	3.3% (13)	4.8% (19)	2.8% (11)	3.3% (13)	7.9% (31)	4.8% (19)	4.8% (19)	7.4% (29)	6.9% (27)	
Videoconferencing services	10.2% (40)	4.1% (16)	4.3% (17)	3.6% (14)	2.8% (11)	7.1% (28)	4.6% (18)	6.1% (24)	6.6% (26)	5.1% (20)	
Governance Document Archive	10.7% (42)	5.1% (20)	4.1% (16)	4.3% (17)	2.6% (10)	7.1% (28)	4.8% (19)	4.3% (17)	5.9% (23)	4.6% (18)	
Historic Document Archive	9.9% (39)	2.6% (10)	3.8% (15)	2.0% (8)	2.6% (10)	5.6% (22)	5.1% (20)	7.9% (31)	8.4% (33)	7.9% (31)	
Image Archive	7.4% (29)	3.1% (12)	2.3% (9)	2.8% (11)	3.8% (15)	7.7% (30)	5.4% (21)	8.7% (34)	9.7% (38)	7.1% (28)	
LTER Network Public Website	4.6% (18)	1.8% (7)	2.6% (10)	0.8% (3)	3.1% (12)	7.7% (30)	6.1% (24)	6.6% (26)	11.5% (45)	11.2% (44)	
LTER Intranet Website	6.4% (25)	2.8% (11)	2.6% (10)	1.3% (5)	3.3% (13)	5.4% (21)	5.9% (23)	7.4% (29)	9.7% (38)	7.4% (29)	
LNO website	6.6% (26)	2.3% (9)	2.8% (11)	2.3% (9)	2.6% (10)	9.7% (38)	6.1% (24)	5.6% (22)	12.0% (47)	6.9% (27)	
LTER online newsletter	5.9% (23)	1.5% (6)	2.6% (10)	3.3% (13)	5.6% (22)	9.9% (39)	5.6% (22)	9.2% (36)	13.3% (52)	8.9% (35)	
LTER printed newsletter	12.5% (49)	5.1% (20)	6.4% (25)	4.1% (16)	4.3% (17)	10.2% (40)	5.6% (22)	7.7% (30)	8.9% (35)	6.4% (25)	
LNO annual report	9.9% (39)	2.8% (11)	4.3% (17)	3.3% (13)	3.8% (15)	10.2% (40)	4.8% (19)	6.4% (25)	7.9% (31)	4.1% (16)	
Visits to sites by LNO staff	8.7% (34)	3.3% (13)	2.3% (9)	2.3% (9)	3.1% (12)	7.7% (30)	4.6% (18)	7.1% (28)	8.9% (35)	4.6% (18)	

80. How would you rate the overall performance of LNO in their provision of services to support your participation in LTER Network-related research?

		Response Percent	Response Count
Excellent		18.4%	72
Good		43.4%	170
Fair		13.3%	52
Poor		1.5%	6
Don't Know		23.5%	92
answered question			392
skipped question			75

81. If you would like to share your answers and comments with your name attached, click the button below. *Otherwise your answers on this evaluation will remain confidential.*

		Response Percent	Response Count
Attach my name to my answers		100.0%	12
answered question			12
skipped question			455

82. If you have comments regarding this survey or suggestions for improvement, please let us know:

	Response Count
	34
answered question	34
skipped question	433

83. Thank you for your participation! Please click on 'done' button below to submit your answers.

	Response Count
	1
answered question	1
skipped question	466