LTER Network Bibliography

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Site bibliography

- **Audiences**
  - Site researchers and students
  - LTER Site reviewers
  - University administrators
  - Resource managers
- **Purposes:**
  - Source of sites' annual reports
  - Context for students and new researchers
  - Ground translational research in evidence
- **Implications for Contents**
  - Maximize productivity
  - Deep background and context
  - Database may be shared with field station or agency

Network bibliography

- **Audiences**
  - Networks/researchers seeking collaborators
  - Sociology of science researchers
  - LTER Program reviewers
- **Purposes**
  - Identify emerging research areas
  - Understand patterns of collaborative and networked relationships
  - Demonstrate the Network's novel contributions to ecological community
- **Implications for Contents**
  - Balance effort-to-maintain with completeness and quality
  - Focus on peer-reviewed or policy-relevant products
  - Clear identification of site relationships

LTER Network Bibliography: Desired Result

- Includes only products that have resulted from LTER funding (directly or indirectly, but not entirely independently)
- Each publication is included only once, with multiple sites and keywords associated, making it relatively simple to identify cross-site papers and collaborations
- Each publication is associated with a DOI, if it exists
- Searchable by site, author, keywords, other?
- (The nature of the relationship to LTER funding is identifiable)

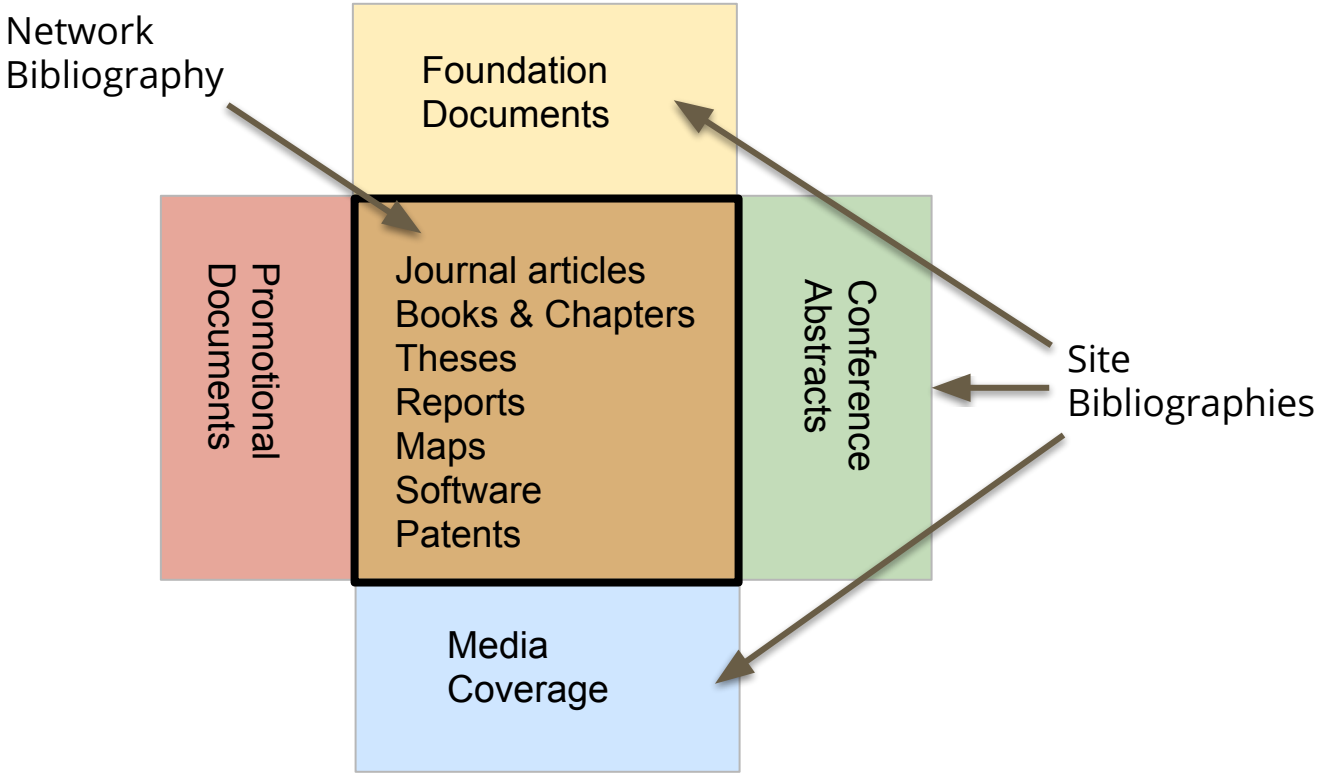
Must-haves

- Consistent identification of sites
  - Includes consistent vocabulary and consistent placement
- Consistent assignment to entry-types
- Consistent rules for inclusion in Network bibliography.
  - This need not affect your site bibliography, as long as you can identify products that should be exported to the Network bibliography
  -

Challenges

- Diversity of reference manager systems
  - Endnote (28%) and custom database (33%) and Zotero (17%) are most common
  - 16 of 18 responding sites said they could easily export BibTex
- Diversity of types
  - All sites include journal articles, books, and theses produced at their site
  - But 7 sites also include documents that pre-date the funding of the site
  - 6 sites include media about the site (but not produced **by** the site)

General Approach



NSF Requires BibTex for annual reports

NSF allowed entry-types	NCO allowed entry-types
article	✔
book	✔
booklet	✔
inbook	✔
incollection	✔
thesis	✔
proceedings	✔
inproceedings	✔
✘	techreport
✘	manual
✘	misc

https://www.research.gov/common/robohelp/public/WebHelp/Project_Reports.htm#project_reports_htm_how_to_add_p_2803

BibTex Format

@article{thompson_patrick_l._strength_2018,
title = {The strength of the biodiversity-ecosystem function relationship depends on spatial scale},
volume = {285},
issn = {0962-8452},
shorttitle = {The strength of the biodiversity-ecosystem function relationship depends on spatial scale},
url = {https://royalsocietypublishing.org/doi/10.1098/rspb.2018.0038},
doi = {10.1098/rspb.2018.0038},
abstract = {Our understanding of the relationship between biodiversity and ....},
number = {1880},
urldate = {2019-01-24},
journal = {Proceedings of the Royal Society B-Biological Sciences},
author = {{Thompson Patrick L.} and {Isbell Forest} and {Loreau Michel} and {O'Connor Mary I.} and {Gonzalez Andrew}},
month = jun,
year = {2018},
ltersite= {NSF-LTER-XXX}
keywords = {synthesis, NSF-LTER-LNCO},
pages = {20180038},
annote = {Thompson, Patrick L. Isbell, Forest Loreau, Michel O'Connor, Mary I. Gonzalez, AndrewThompson, Patrick/0000-0002-5278-90451471-2954}
}

Past Entries

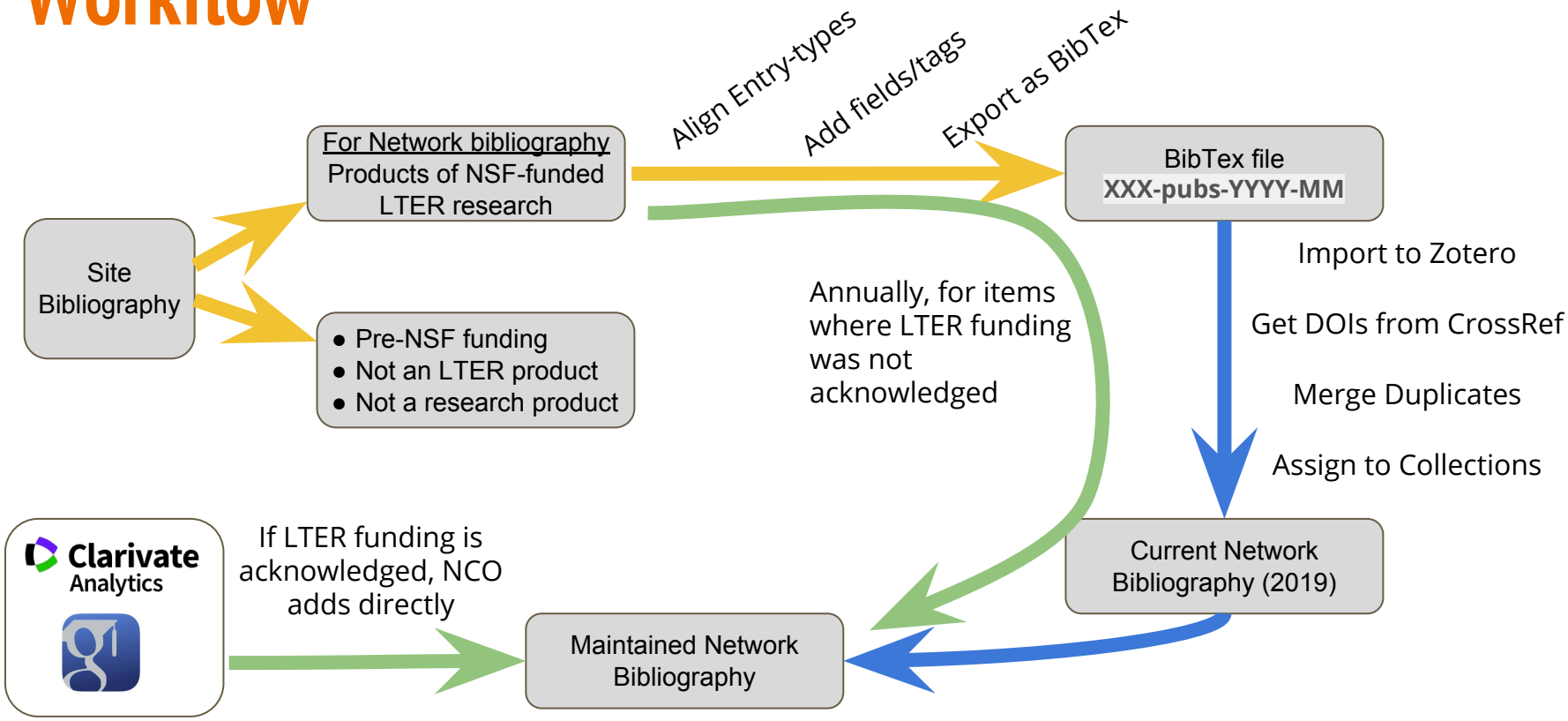
Sites

- Site launch through 2018, if possible, but definitely 2008-2018.
- Exclude foundational documents
- Filter by document type:
  - **Include:** journal articles, books, book chapters, theses, technical reports, peer-reviewed conference papers, software, maps, and patents
  - **Do not include:** newspaper articles, blog posts, conference abstracts
- Add site tag/field (NSF-LTER-SSS)
- Export as BibTex, EndNote, or Zotero

LNCO

- Merge files
- Run crossref query to retrieve DOI's (https://support.crossref.org/hc/en-us/articles/213942866-Author-article-title-query)
- Merge duplicates based on DOIs
- Review and merge manually articles without DOIs.

Workflow


Align Entry-types
Add fields/tags
Export as BibTex
For Network bibliography
Products of NSF-funded LTER research
Site Bibliography
Pre-NSF funding
Not an LTER product
Not a research product
BibTex file
XXX-pubs-YYYY-MM
Import to Zotero
Get DOIs from CrossRef
Merge Duplicates
Assign to Collections
Annually, for items where LTER funding was not acknowledged
Current Network Bibliography (2019)
Clarivate Analytics
If LTER funding is acknowledged, NCO adds directly
Maintained Network Bibliography

Acknowledging LTER support

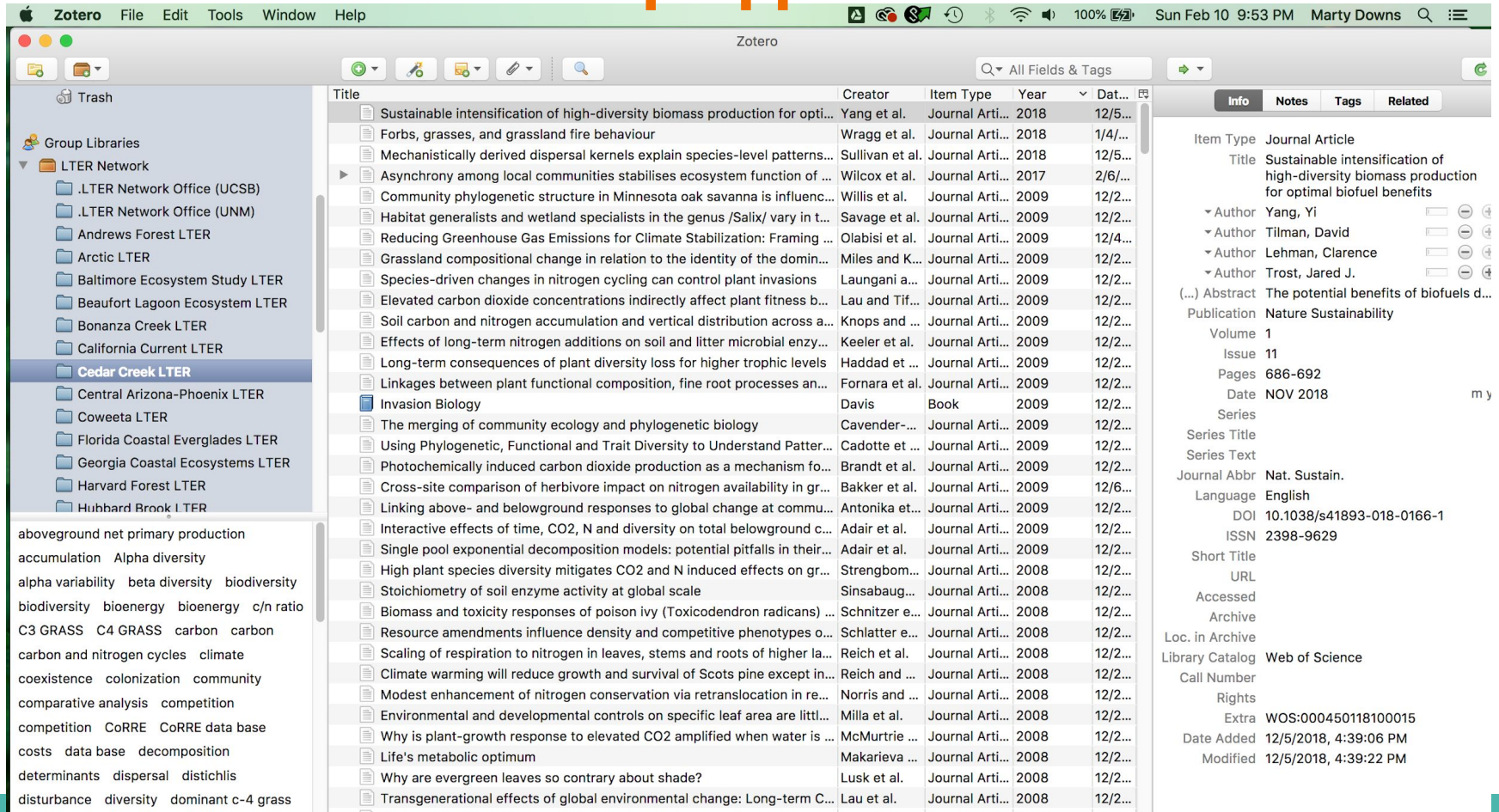
To facilitate finding LTER papers and identifying site associations, the LNCO is recommending the following format for funding acknowledgement:

NSF-LTER-XXX under grant #DIV-YYYYY, where XXX=3-letter site acronym, DIV = the primary NSF funding division (BIO, OCE, OPP, etc) and YYYYY= the grant#.

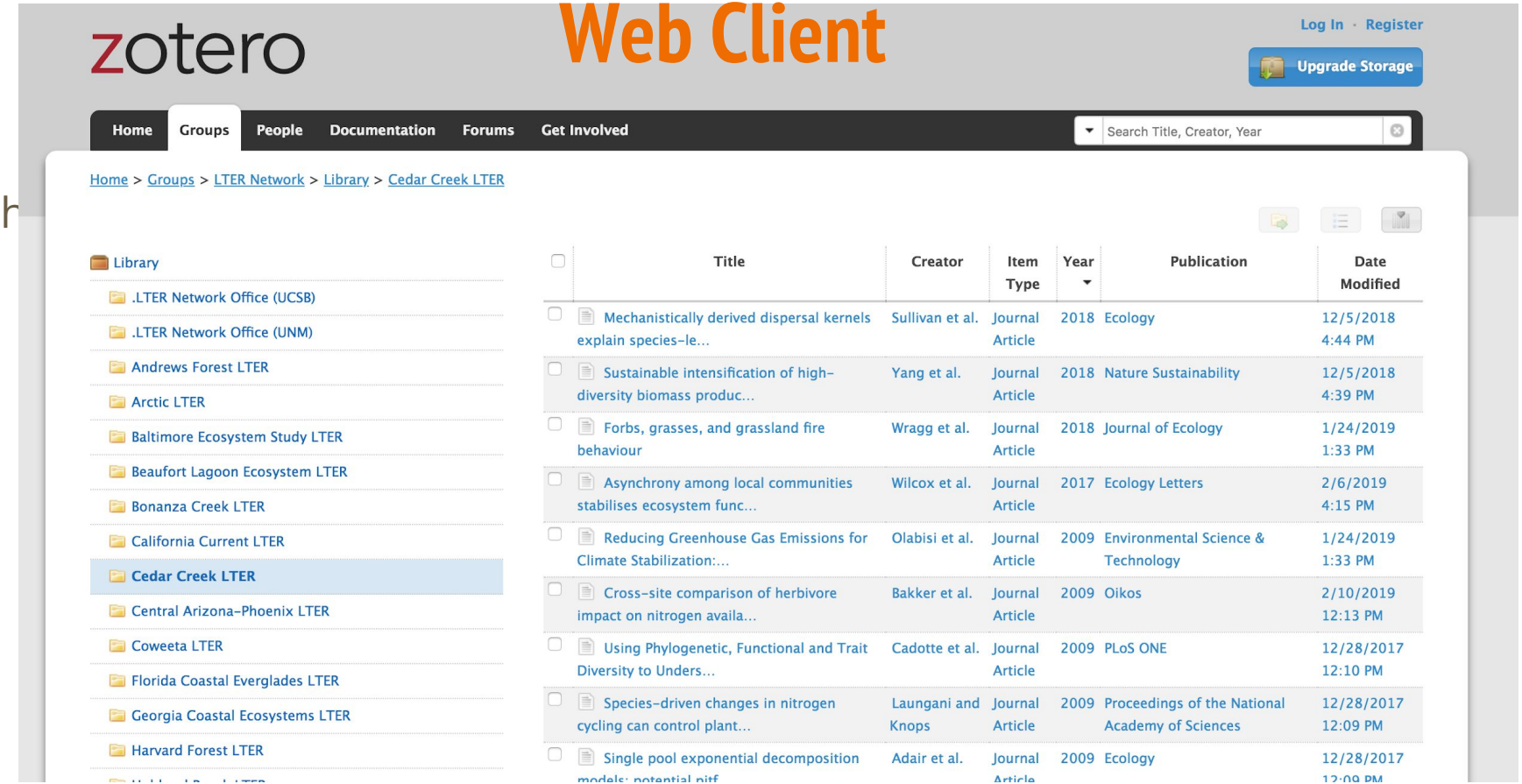
NSF is used to distinguish National Science Foundation-funded LTER sites from other long-term studies in the US and internationally. Brazil, Korea, and Australia often turn up in searches for "LTER" under funding agency.

The site acronym is used to limit alternative spellings.

Desktop Application



Web Client


zotero
Log In · Register
Upgrade Storage
Home
Groups
People
Documentation
Forums
Get Involved
Search Title, Creator, Year
Home > Groups > LTER Network > Library > Cedar Creek LTER
Library
.LTER Network Office (UCSB)
.LTER Network Office (UNM)
Andrews Forest LTER
Arctic LTER
Baltimore Ecosystem Study LTER
Beaufort Lagoon Ecosystem LTER
Bonanza Creek LTER
California Current LTER
Cedar Creek LTER
Central Arizona–Phoenix LTER
Coweeta LTER
Florida Coastal Everglades LTER
Georgia Coastal Ecosystems LTER
Harvard Forest LTER
Title
Creator
Item Type
Year
Publication
Date Modified
Mechanistically derived dispersal kernels explain species–le… Sullivan et al. Journal Article 2018 Ecology 12/5/2018 4:44 PM
Sustainable intensification of high–diversity biomass produc… Yang et al. Journal Article 2018 Nature Sustainability 12/5/2018 4:39 PM
Forbs, grasses, and grassland fire behaviour Wragg et al. Journal Article 2018 Journal of Ecology 1/24/2019 1:33 PM
Asynchrony among local communities stabilises ecosystem func… Wilcox et al. Journal Article 2017 Ecology Letters 2/6/2019 4:15 PM
Reducing Greenhouse Gas Emissions for Climate Stabilization:… Olabisi et al. Journal Article 2009 Environmental Science & Technology 1/24/2019 1:33 PM
Cross–site comparison of herbivore impact on nitrogen availa… Bakker et al. Journal Article 2009 Oikos 2/10/2019 12:13 PM
Using Phylogenetic, Functional and Trait Diversity to Unders… Cadotte et al. Journal Article 2009 PLoS ONE 12/28/2017 12:10 PM
Species–driven changes in nitrogen cycling can control plant… Laungani and Knops Journal Article 2009 Proceedings of the National Academy of Sciences 12/28/2017 12:09 PM
Single pool exponential decomposition Adair et al. Journal 2009 Ecology 12/28/2017

zotero

Group Library

Welcome, Marty Downs · Settings · Inbox · Download · Log Out

Upgrade Storage

Home | My Library | Groups | People | Documentation | Forums | Get Involved

Search for groups | Search

Home > Groups > LTER Network > Settings

LTER Network: Members Settings

Group Settings · Members Settings · Library Settings

Current Members

Username	Full Name	Member Since	Role
LTER Network	Marty Downs	2017-12-26 16:05:41	Owner
eldobbins	Elizabeth Dobbins	2018-01-18 23:25:21	Member
lter-nes-info	lter-nes-info	2018-02-22 20:33:51	Member
BLE-IM	Tim Whiteaker	2018-08-02 18:42:51	Admin

Update Roles

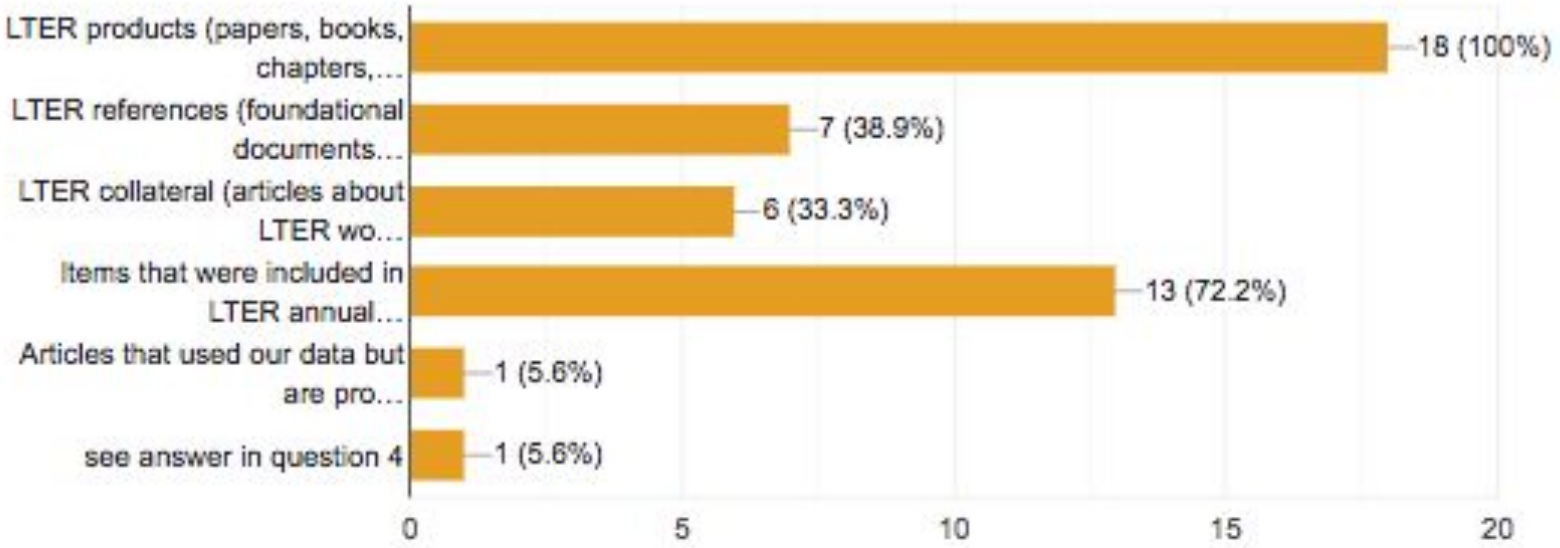
Member Invitations

Username	Full Name	Invited On	Cancel Invitation

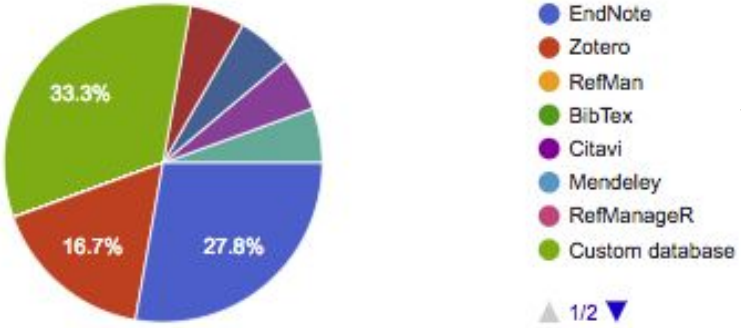
Questions?

3. What types of materials are included in your site bibliography?

18 responses



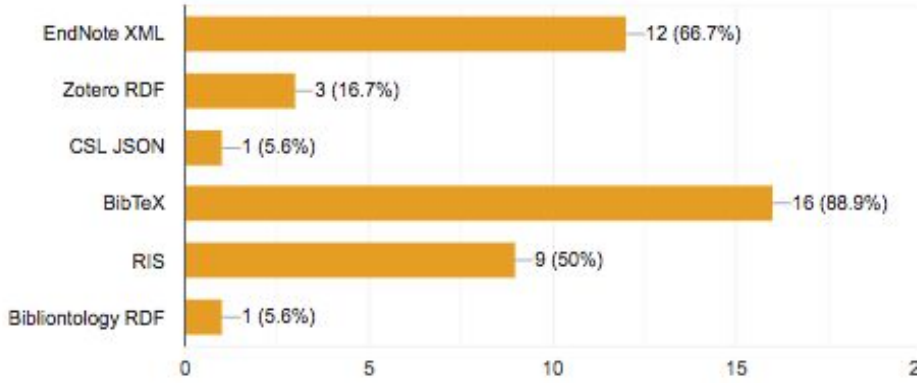
Reference Management System Used



Each type of reference manager has a unique set of fields and customs for adding organizationally-relevant tags or notes.

There are several good options for export formats, but aligning content requires a crosswalk key for each organizational approach.

Easy Export Formats



Biblio DB	BibTex
Journal Article	article
Book	book
Edited Book	book
Electronic Book	book
	incollection
	booklet
Book Chapter	inbook
Book Section	inbook
CHAP	inbook
	incollection
Conference	inproceedings
Conference Paper	inproceedings
Conference Proceedings	inproceedings
	manual
	mastersthesis

Biblio DB	Bibtex
Audiovisual Material	misc
Blog	misc
Computer Program	misc
Electronic Article	misc
Electronic Source	misc
Generic	misc
Magazine Article	misc
Manuscript	misc
Map	misc
Miscellaneous	misc
Newspaper Article	misc
Other	misc
Patent	misc
	phdthesis
	proceedings
	techreport
Government Document	techreport
Government Report	techreport
Report	techreport
	unpublished