



Bonanza Creek
Long-Term Ecological Research

2012 Information Management Update

Jason Downing

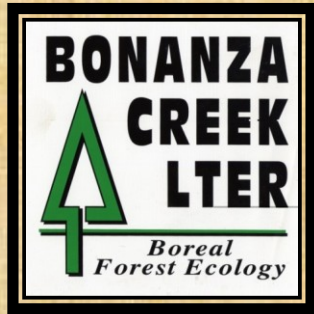


Current IM Priorities:

- ENABLING DATA SUBMISSIONS
- Ensure BNZ data package quality
- PROMOTING DATA SUBMISSIONS
- Did I say anything about DATA SUBMISSIONS!

How do we increase DATA SUBMISSIONS?

The PBS Way



BNZ.....Be More Compliant

CALL 1-800-BNZ-DATA
To Contribute Your Data TODAY!

Member Support Appreciated at
all Donation Levels

The Cowboy Way

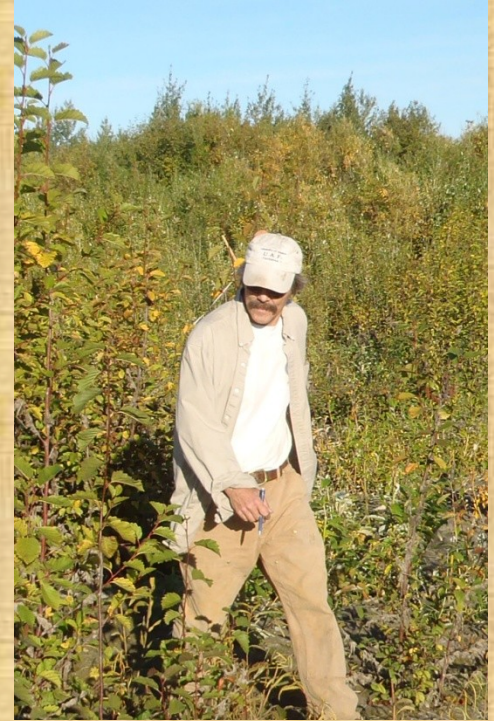


The Gone Fishing Way



Capturing Graduate Student Data

- Critical Task & Responsibility
 - Valuable Source of High Quality and Cutting Edge Data
 - Limited Harvest Window
 - Fundamental Component of the LTER Data Policy
- Essential that we ALL work to ensure EVERY possible data set is available



Look...even Roger is out looking for missing student data!

Possible Motivational Incentives

- Pretty Stickers
- Bragging Rights
- Continued and Persistent Harassment

Planned Motivational Incentives

- Workshop for all BNZ Grad Students
 - Metadata Best Practices
 - Data Submission Process
 - Data Management Plans

Please help to encourage participation
- Meetings with BNZ Investigators
 - Beginning Summer 2012
 - Review of data products

Other Reasons to Share Data



BNZ IM Activities (Site Level)

- System Upgrades and Improvements:
 - Sensor Network Server
 - Sensor Network and Data Management Software
 - LoggerNet, Vista Data Vision
- Data Submissions and Updates
 - 111 Ongoing Data Sets Updated
 - 20 New Data Packages Created
- Database Maintenance
 - Personnel
 - Graduate Students, Investigators, Affiliates
 - Web Profiles, Graduate Students, Group Lists
 - Publications

LTER Synthesis Data Project

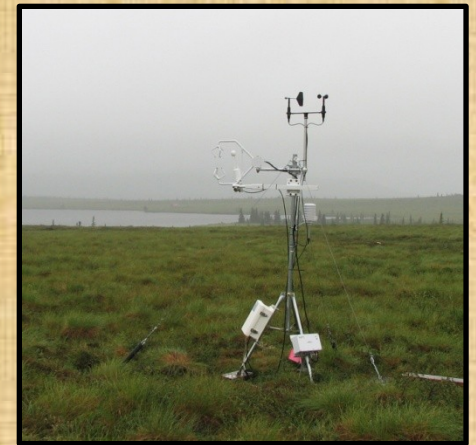
- NSF grant funding to employ a contractor to partner with LNO and participating sites to provide NIS-appropriate data.
- Scope to include core LTER data, ancillary site data, and 'legacy' data.
- Participating Sites: BNZ, CWT, SGS
- Draft RFP in review by LTER and NSF officials

BNZ & Network IM Activities

- IMEXEC
- Tiger Team – Data Package Manager
- IMC Working Group Participation
 - Vocabulary, Units, EML Quality, GIS
- Product Oriented Working Group Projects
 - LTERmapS, Cartographic Almanac, ECC

NIS IM Working Projects

- SensorNIS
 - Participate in cross-network development of sensor network standard and tools for management and integration into the NIS.
- GeoNIS
 - Lead development of network wide initiative to develop geospatial data for inclusion within the PASTA framework.

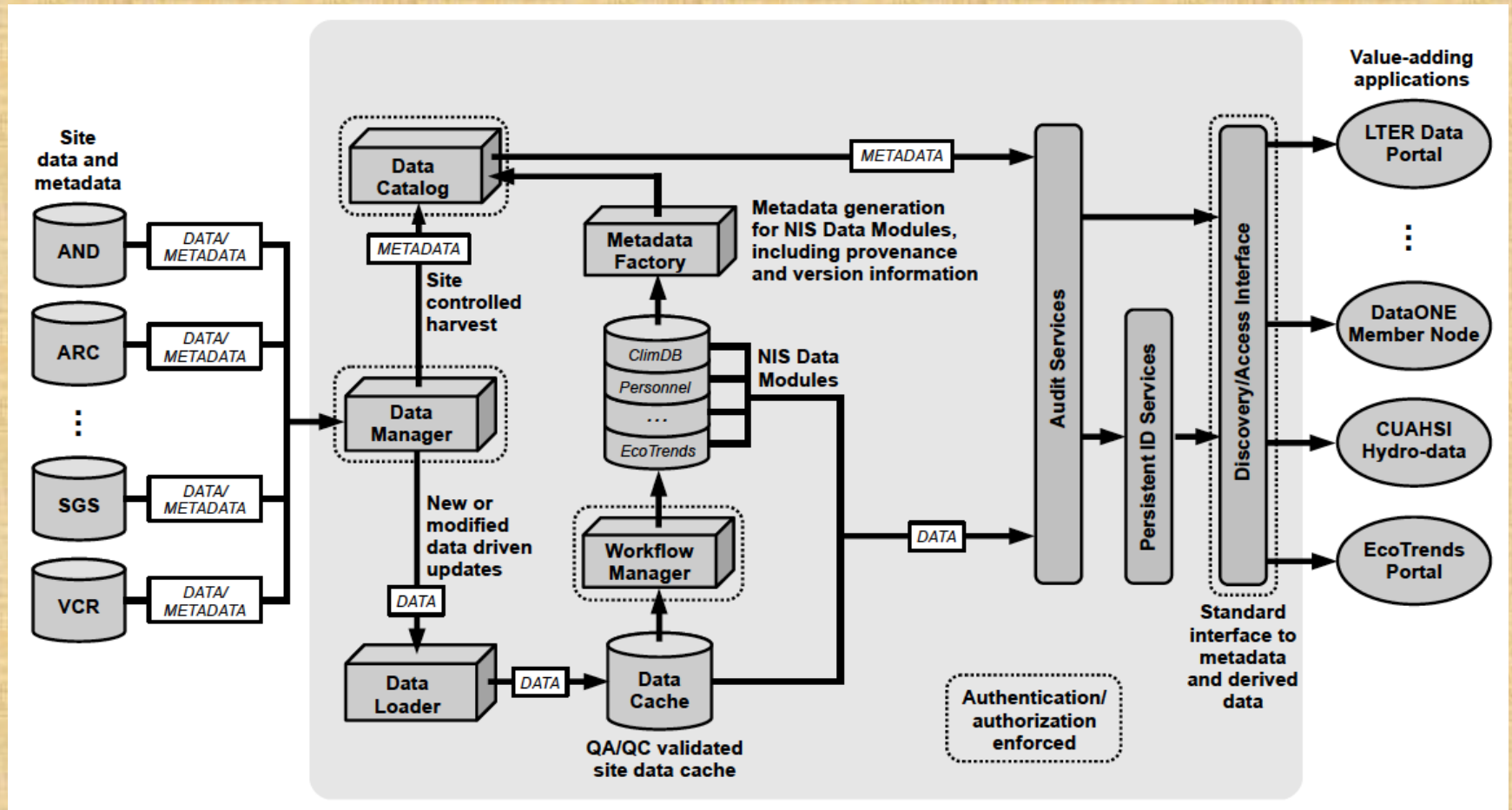


PASTA

Provenance Aware Synthesis Tracking Architecture

- Increase availability and quality of LTER data
 - Standardized approaches
 - Metadata management and data access
- Provides complete services for LTER
Data Portal, Authentication, Audit, Access
- Derived data with metadata provenance
- Increase knowledge generated from data synthesis
- PASTA Function Prototype → 2012
- PASTA Production System → 2014

PASTA Framework Overview



Preparing BNZ Data for the NIS

- Migration to EML 2.1
- Ensure Metadata Quality
- Ensure Data Quality
- Application of Best Practices
 - Vocabulary, Units, Date Formats

**And now for something
completely different....**



Wagner Forest Alder Processes Fires Poker Tanana Organic
T.Hollingsworth Charlton National Science Foundation Moisture Willow Disturbance Vegetation Human
USFS Lloyd Hanley Harden Aspen Thermokarst Long-Term
Nitrogen Leigh Ecological Regimes Alaska UAF
Hinzman Taylor Monitoring Uplands United States Forest Service
Downing University Of Alaska Fairbanks Kasischke
Global State-Changes Fairbanks Floodplains Yarie Romanovsky Spruce Arts Flux
Alpine Bonanza Creek Information Experimental
Model Management Carbon Hydrology Changing McGuire Verbyla
Jones Feedbacks Rupp Thresholds Dimensions Sparrow Nossow Schuur Turetsky Kofinas Birch NSF
Climate Ruess Taiga Humanities Permafrost Mulder Schoolyard Landscape Boreal
Insects J.Hollingsworth Succession River Production Sensitivity Watershed Wetlands
Valentine Bog Soils Animals Caribou Euskirchen Viereck Spatial Outreach Students
BNZ