

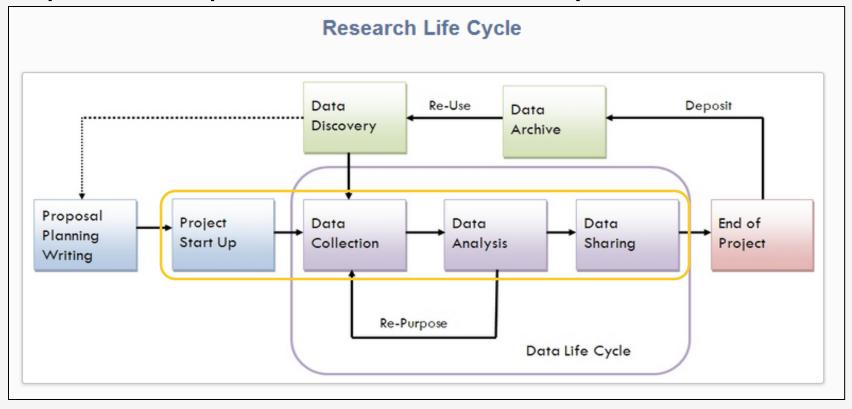


The Research Workspace for the DBO

Chris Turner Axiom/AOOS

The Workspace (workspace.aoos.org)

...is a web-based collaborative data management solution for storing and sharing data during the active, prepublication phase of the research lifecycle.



Storing, Sharing, & Organizing Data

Storage

- ▶ I.I Pb RAID storage
- Version control
- Easy drag and drop uploading

Securely share with collaborators

- Access to groups requires invitation from administrators
- File read/write permissions easily controlled within projects
- Monitor progress of data delivery, processing, analysis, and documentation

Organization

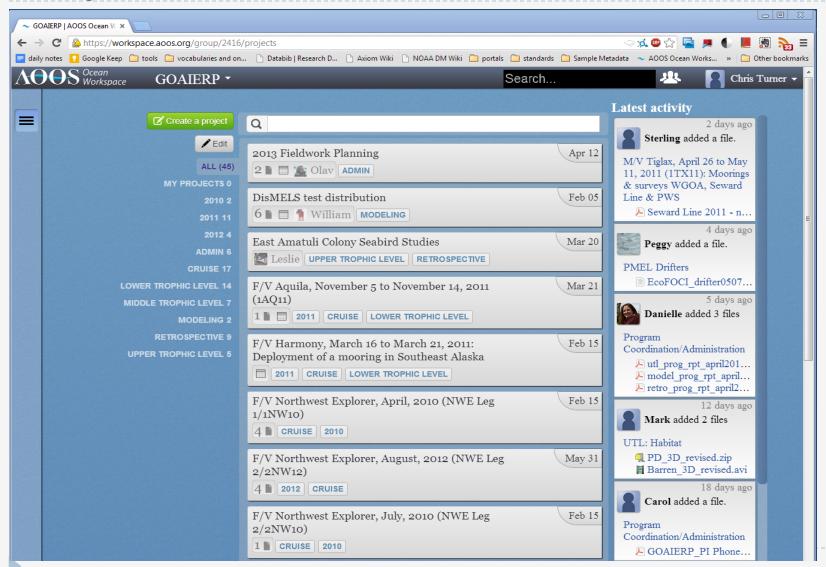
Group > Project > Folder > File



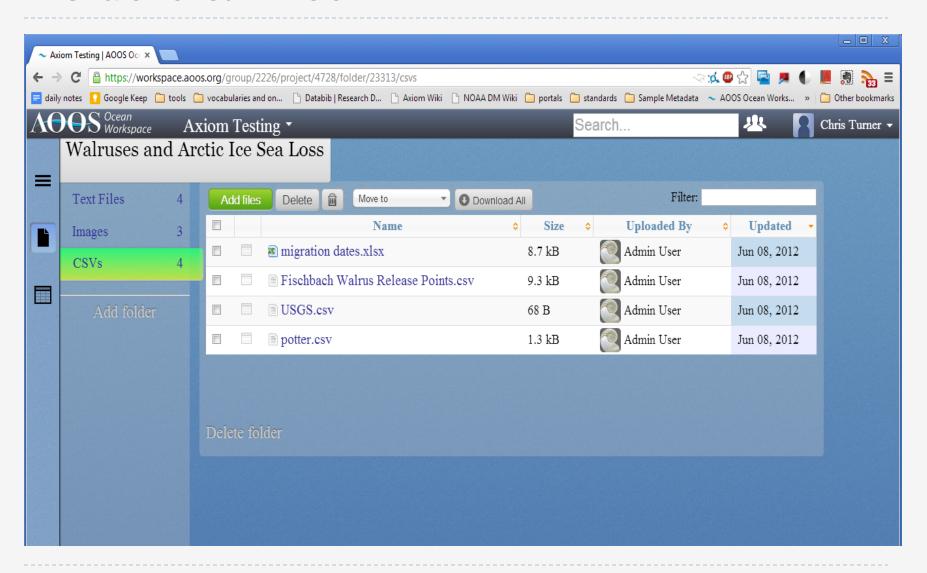
DBO Findings and Challenges

- Immediate sharing of data is advantageous
 - Provides context to help interpretation of individual studies
 - Allows data types shared amongst DBO cruises to be aggregated and analyzed first-order via cluster analysis
- ...But it isn't easy
 - Requires coordination and commitment
 - Data quality and processing time are issues
 - Gear and analytical capabilities aren't standardized
 - Resolution and scale issues

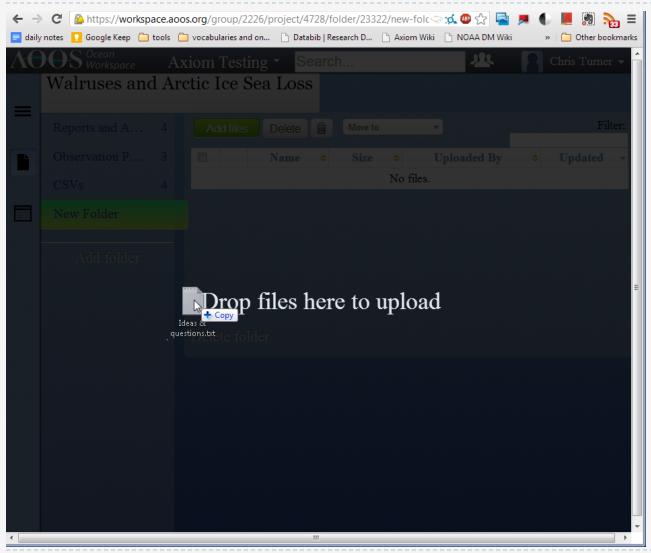
Project View



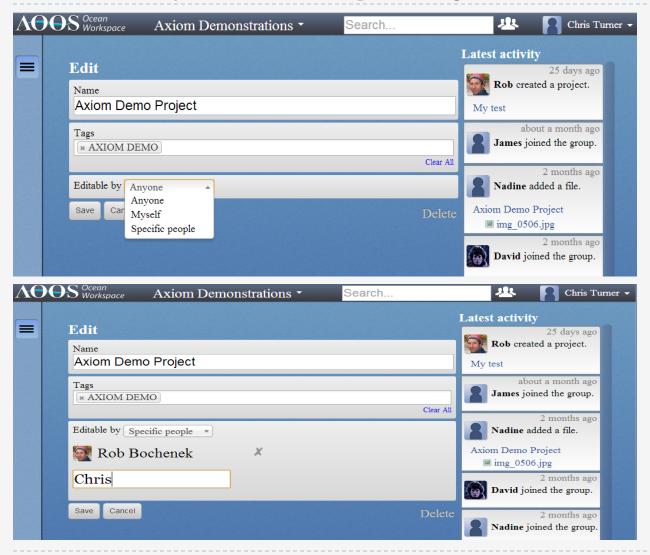
Folders & Files



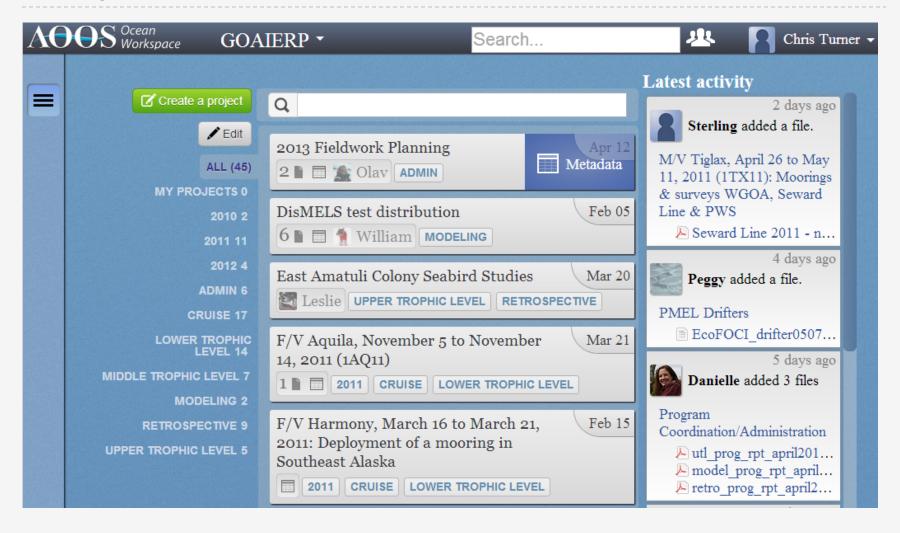
Drag and Drop uploading



Security: Editing Project Permissions

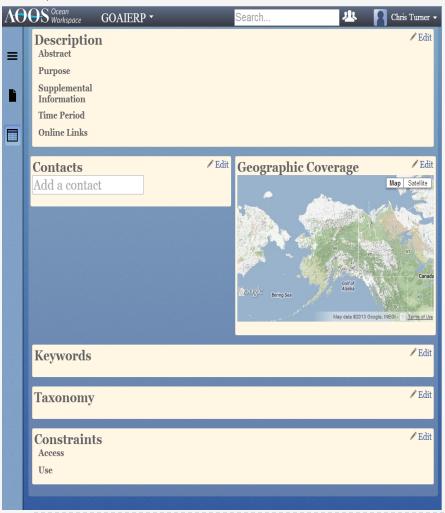


Project Metadata

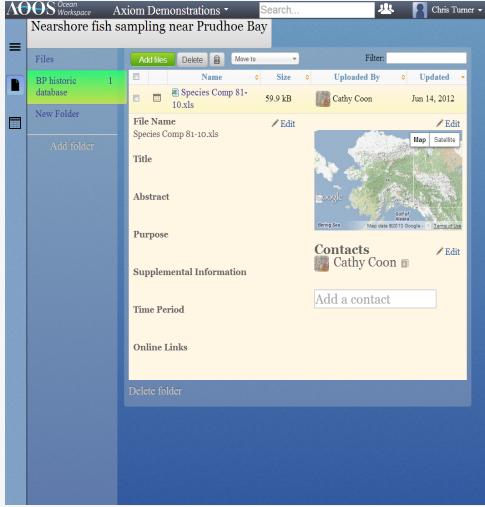


Metadata Editor

Project Metadata



File metadata



Metadata: Custom Tools





Coming Soon

Spatial Data Visualization Tool

- Visualize, style, and explore standard GIS and gridded data formats
- Hierarchical Folder Structures
- Improved Metadata Editors
 - More fields
 - Modules for describing different aspects of the data or research effort (lineage, instrumentation, representation, etc.)
 - Templates for describing different data types or collection methods (Cruises, CTD data with instrument description, Satellite Imagery, etc.)
 - Import/Export tools for submitting data and metadata to archives



Next Steps

- Create list of DBO Workspace users (name, email)
- Think about preliminary DBO Workspace structure
- Contact me with further questions or to set up a Workspace training webinar.

Email: chris@axiomalaska.com

References

- Sallans, A. (2013). University of Virginia Library: Data Management Consulting Group. Retrieved June 1, 2013 from http://dmconsult.library.virginia.edu.
- Distributed Biological Observatory. (2012). Cruise data. Retrieved June 1, 2013 from http://www.arctic.noaa.gov/dbo/findings.html.

