

Highlights in Big Data from Sheridan Libraries

2014 IDIES Annual Symposium
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DataConservancy



Data Conservancy

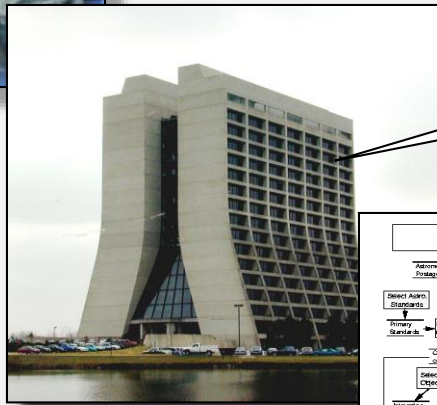
- Data Conservancy is a community that develops solutions for data preservation and sharing to promote cross-disciplinary re-use
- Initially funded through \$10 million NSF award through DataNet program
- Now sustained through Sheridan Libraries and additional grant funds
- Culmination of over a decade of experience with Sloan Digital Sky Survey (SDSS) data



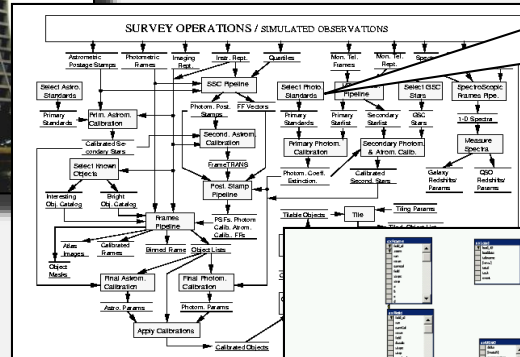
SDSS Data Flow (Levels of Data)



Pixel data collected
by telescope

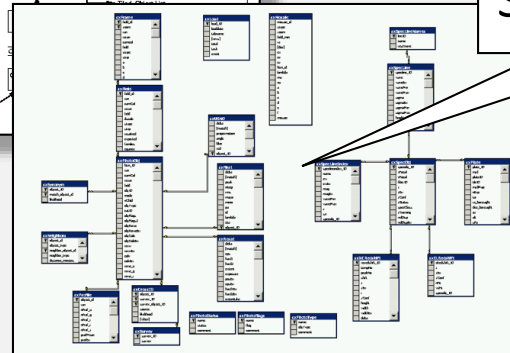


Sent to Fermilab
for processing



Beowulf Cluster
produces catalog

Loaded in a
SQL database





JHUDMS

- Data as a form of new collections – “big” library collections comprise diversity of content
- “Long-tail” or “spreadsheet science” data being eventually managed, archived and preserved through Johns Hopkins University Data Management Services (JHUDMS)

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Johns Hopkins University Data ...
dmp.data.jhu.edu

The Sheridan Libraries | Johns Hopkins University Data Management Services

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Research Data Management Services at JHU

Effective data management can increase the pace of the research process, contribute to the soundness of research results, and meet funding agency requirements by making research data easy to share. Contact us at datamanagement@jhu.edu for help with your research data management needs.

Services We Provide

- Consulting on writing data management plans**
We provide free, expert guidance preparing plans tailored for standards of your field.
- Archiving services through the JHU Data Archive**
Archive your research data for sharing & preservation.
Access the JHU Data Archive.
- Guidance on aspects of data management**
Attend one of our many courses or contact us for specific guidance.

News and Highlights

- We now offer the [Small Data Collections Archiving Service](#) for JHU researchers. Read about it [here](#) and on our [Sheridan Libraries blog post](#).
- Read Jon Petters' guest post for the Astrophysics Source Code Library on [creating and evaluating data management plans](#).
- Use our [Grant Reviewer's Guide](#) to quickly evaluate the quality of data management plans.


Contact Us

We are available to help you with your research data management needs. Please email a consultant at datamanagement@jhu.edu today. We welcome your feedback on our services, website and any ideas that you may have on additional services that we could provide.

Mission

JHUMS fosters data management best practices by providing guidance, education and training and offering data archiving and sharing services in support of researcher, institution, and agency goals.

In Partnership With



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<http://dmp.data.jhu.edu>

<https://archive.data.jhu.edu>



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- <http://dataconservancy.org>
- <http://dmp.data.jhu.edu> -- JHU Data Management Services
- <https://archive.data.jhu.edu/dvn/> - JHU Data Archive
- SDSS lessons learned - <https://wiki.library.jhu.edu/display/sdss/sdss-lessons-learned>