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Data Services in Libraries: Past, Present and Future

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Data Services in Libraries: Past, Present and Future

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Image Source: http://d7.library.gatech.edu/research-data/home
My Timeline

• 1998 – Earned by MLIS Degree from University of Pittsburgh

• 2000 – Social Sciences Librarian at Bucknell

• 2007 – Data Research Scientist at Purdue

• 2014 – Director of Research Services at University of Michigan
Data Services Are Not New
“...science and engineering data are routinely deposited in well-documented form, are regularly and easily consulted and analyzed by specialists and non-specialists alike, are openly accessible while suitably protected, and are reliably preserved...”

Roles for the Library?

Workshop explored the need for collaborations among domain scientists, librarians, and data scientists to manage digital data collections, infrastructure development, and sustainable economic models to support long-term stewardship of data for cyberinfrastructure.

Building Capacity in Libraries

Data Curation Profiles

- An interview protocol to discuss data with researchers
- A project to leverage Information Literacy expertise to teach graduate students
- Building collections of data sets
The Turning Points

Expanding Public Access to the Results of Federally Funded Research

February 22, 2013 at 12:04 PM ET by Michael Stebbins

Summary: The Obama Administration is committed to the proposition that citizens deserve easy access to the results of research their tax dollars have paid for. That’s why, in a policy memorandum released today, OSTP Director John Holdren has directed Federal agencies with more than $100M in R&D expenditures to develop plans to make the results of federally funded research freely available to the public—generally within one year of publication.
eScience Institute

July 2011

Module 1: Baseline
theme: Identify

Core activity: Self-assessment

Deliverable:

Environmental Scan
- preliminary-

August 2011

Module 2: Context
theme: Familiarize

Core activity: Interviews, etc. (fill gaps in scan)

Deliverable:

Environmental Scan
- iterative versions

September 2011

Module 3: Building Blocks
theme: Analyze

Core activity: Feasibility assessment

Deliverable:

SWOT Analysis

December 2011 & January 2012

Module 4: Institute
theme: Prioritize

Participate in capstone event

Deliverable:

Strategic Agenda
(with revisions)

June 2012

Module 5: Follow up
theme: Measure

Develop program...

Deliverable:

your implemented program / services...
Going Deeper

IMLS grant to support DIL training for HS librarians

http://datalit.sites.uofmhosting.net/

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Send to Globus to Download

Globus is for large data sets. What is Globus?
Going Broader

3D Printing
Challenges

• Scale
• Expertise
• Support
• Resources
• Return on Investment / Assessment

Image: https://despair.com/products/sisyphus
More Challenges
Connecting Stakeholders
Data Curation Network

https://sites.google.com/site/datacurationnetwork/
Data Curation Network

DCN Alliance Model

Institutional Partners contribute staff and fund central coordinator.

Institutional Partner I
- Local Representative
- Local Curator

DCN Coordinator
- matches expertise from pool of local curators
- Local Curator

Institutional Partner II
- Local Representative
- Local Curator

Users gain access to the network via partnership or fee-for-service basis.

Alfred P. Sloan Foundation
Thank You!
Questions?

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