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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
Rise of Cyberinfrastructure

“...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

- An interview protocol to discuss data with researchers

- A project to leverage Information Literacy expertise to teach graduate students

- Building collections of data sets
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

Module 1: Baseline
theme: Identify

Module 2: Context
theme: Familiarize

Module 3: Building Blocks
theme: Analyze

Module 4: Institute
theme: Prioritize

Module 5: Follow up
theme: Measure

Environmental Scan
- preliminary-

Environmental Scan
- iterative versions -

SWOT Analysis

Strategic Agenda
(with revisions)

Develop program...
Deliverable:

your implemented program / services...

Core activity: Self-assessment
Deliverable:

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

Core activity: Feasibility assessment
Deliverable:

Participate in capstone event
Deliverable:

July 2011

August 2011

September 2011

December 2011 & January 2012

June 2012
Community

University of Massachusetts and New England Area Librarian e-Science Symposium

MIDWEST DATA LIBRARIAN SYMPOSIUM
an unconference for data and librarians

Southeast Data Librarian Symposium

RDAP Research Data Access & Preservation Summit

RDA RESEARCH DATA ALLIANCE
IMLS grant to support DIL training for HS librarians

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

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— Total file size of 4 GB may be too large to download directly. If you have difficulty doing so, please contact us by email or use the Deep Blue contact page

Send to Globus to Download
Globus is for large data sets. What is Globus?
Going Broader

3D Printing

Data and Visualization Services Department
Duke University Libraries

Software Carpentry

Data Carpentry
Building communities teaching universal data literacy
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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