Planning for Digital Scholarship Support Services: Case Studies from Four Universities

EDUCAUSE Annual Conference
September 2014
What is digital scholarship?

- Digital publishing
- Embracing “open” values
- “Big data” analytics
- Media tools and infrastructure
- Visualization
- High-performance computing
- Digital humanities
- Data management and preservation
- Digitization and Digital Imaging
Who does digital scholarship?

- Library
- Faculty
- Central IT
- Academic technology centers
- Students
- Local IT
Who champions and leads digital scholarship?
Ask new questions

http://digitalscholarship.backchan.nl/

Vote on existing questions
Digital Scholarship Support at Northwestern University

Chris Comerford, Director of Information Technology
Weinberg College of Arts and Sciences
What we’ve done

- Imagination Without Borders
  http://imaginationwithoutborders.northwestern.edu/
- Andreas Vesalius
  http://vesalius.northwestern.edu/
- De Humani Corporis Fabrica
  http://vesalius.northwestern.edu/
- Classicizing Chicago
  http://www.classicizingchicago.northwestern.edu/
- CAMI
  http://cami.northwestern.edu/
- The Great Chicago Fire & the Web of Memory
  http://www.greatchicagofire.org/
- The Digital Berkeley Folk Music Festival
  http://www.michaeljkramer.net/cr/?page_id=3944
What we’re doing today

涧慧识和社区
- Faculty workshops on digital humanities
- IT investment in research computing outreach
- Broader initiatives – Humanities Without Walls

所有权和协调
- Center for Scholarly Communication and Digital Curation
- E-science working group
- Coordinating groups involving schools, library, IT

基础设施和支持
- Library and IT collaboration on digital repository
- IT, school, and Library collaboration on research storage
- Adoption of Box for data synchronization and storage
What’s next

**Build Community**
- Broader awareness
- Leadership engagement
- Annual planning & budget

**Ensure Sustainability**
- Common platforms
- Coordinated responses
- Consistent messaging
Digital Scholarship Services on a 
$hoestring$

Somaly Kim Wu | Associate Professor | Digital Scholarship Librarian
Heather McCullough Ph.D. | Associate Director | Center for Teaching and Learning
History

Fall 2011: DSL formed w existing staff & existing space and equipment

Charge: provide support to faculty and graduate students in production and management of digital scholarship
Digital Scholarship @ Atkins

Mission

• The Digital Scholarship Lab partners with faculty and graduate students in the use of digital and networked research tools to create, disseminate, and store new knowledge.

• Digital Scholarship aims to be a catalyst for collaborative communities throughout the research lifecycle.
Staff and Services

• Data Support
• Digital Media
• Publication
• Usability
• Copyright Consultation

• 5 full-time staff
• computer classroom
• small media lab
• dedicated data services
• Usability Lab
Leveraging Resources

Journal Production

• Open Journal System, https://journals.uncc.edu/
• 4 journals published, 5th in production

Repository

• UNC System’s Repository: NC Docks
• UNC Odum Institute: Dataverse

Usability Lab

• http://guides.library.uncc.edu/usability

Copyright and Authors’ Rights

• Scholarly Communications Librarian
What next?
Additional Information

- Digital Scholarship [http://dsl.uncc.edu/](http://dsl.uncc.edu/)
- Somaly Kim Wu, [skimwu@uncc.edu](mailto:skimwu@uncc.edu)
- Heather McCullough, [HeatherMcCullough@uncc.edu](mailto:HeatherMcCullough@uncc.edu)
Scaling Digital Scholarship Services at Johns Hopkins

The Data Management Services Case

EDUCAUSE Annual Conference
September 2014

Barbara Pralle, JHUDMS Manager & Head of Entrepreneurial Library Program

Copyright © 2014, by JHU Data Management Services.
ResearchDataManagement
JohnsHopkinsUniversity
Background

• Services formally launched in 2011
• Collaboration between Entrepreneurial Library Program and Digital Research and Curation Center
• Dedicated funding and team of 6
• Focus on supporting sharing and archiving of scholarly research data products
Three Plus Years Later

• Mature consultative DM support for projects, plan preparation, etc. across JHU schools
• Growing DM training options with 545 participants in 20 training sessions (FY14)
• Integration into key institutional activities e.g. research conduct training, policy development
• Data archiving projects using standard and established processes and expectations
Scope and Deliver Expected Support

Intentionally balance and plan for:

– Expertise needed to support services
– Service scope communicated to users
– Capacity of the team
Knit Together Services

Figure out how to fit into the larger institutional ecosystem

– Identify related services and build relationships
– Help researchers find the solution he/she needs regardless of the institutions organizational structure
Institutional Ecosystem Supporting Research Data Life Cycle

Data Management Planning

- Idea / proposal
- acquire data
- data management during the project
- dissemination
- preservation
- archiving
- Data re-use / discovery

Research Conduct
Research Admin(s)
General Counsel
Tech Transfer
Archives

Manage Data in JHU Data Archive

Institutional Repository
Biostats Center
HPCs

Data/GIS Librarians
IRB(s)
Help Prepare Data for Sharing & Archiving
Central IT
IT within Schools
Data manager group

Institutes with focus on security, clinical data, etc.

Subject Librarians

JOHNS HOPKINS DATA MANAGEMENT SERVICES
http://dmp.data.jhu.edu  datamanagement@jhu.edu
Early Engagement

- Engage in project as early as possible, stay engaged
- Retrofitting data for archiving at the end a project is not sustainable with over 3800 full time faculty
- Multi-pronged approach
  - Training – scale-able delivery of DM fundamentals, reach project team members (graduate students, etc.)
  - Tailored consultative support – identify specific needs allowing for planned support
BUILDING CAPACITY FOR DIGITAL SCHOLARSHIP

Brown University Library

Andrew Ashton
Associate University Librarian for Digital Technologies
Center for Digital Scholarship, ca. 2014

<table>
<thead>
<tr>
<th>Data Curation</th>
<th>Visualization</th>
<th>Visualization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform Spatial Analysis, make maps</td>
<td>Describe your data</td>
<td>Start a Digital Humanities Project</td>
</tr>
<tr>
<td>Spatial Analysis</td>
<td>Metadata Creation</td>
<td>Digital Humanities</td>
</tr>
<tr>
<td>Use the Brown Digital Repository</td>
<td>Write a grant proposal for a digital project</td>
<td>Digitize objects for research and publication</td>
</tr>
<tr>
<td>Data Curation</td>
<td>Consultation</td>
<td>Digitization</td>
</tr>
<tr>
<td>Learn new skills or teach them to your class</td>
<td>Conferences and Lectures</td>
<td>Learn about Digital Scholarship</td>
</tr>
<tr>
<td>Workshops</td>
<td>Conferences</td>
<td>Research</td>
</tr>
</tbody>
</table>

- Digital Humanities Librarians
- Social Sciences Data Librarian
- Scientific Data Specialist
- Digital Repository Manager
- Digital Production Manager
- Data visualization specialist
Opportunities – New roles
Opportunities – New relationships
Challenges – Maintaining capacity

- File Retrieval and Editing Hypertext System (1970)
- Women Writers Project (1988)
- Center for Digital Initiatives (2002)
- Digital Scholarship Lab (2012) and Digital Studio (2015)

Foundational Projects
Markup and early DH
Digital Collection-building & institutionalization
Location-specific Visualization Democratization

Innovation
Maintenance
Are you currently involved in providing or shaping digital scholarship services?

Almost everyone in the audience indicated involvement.
Which units provide digital scholarship services at your institution?
What services are provided at your institution?

- Omeka, data management, copyright, Moodle
- Just starting
- ResearchDataManagement, training
- Journal publication, usability lab, copyright consultation, repository
- Repository, metadata, scanning/digitization, data management, digital archive, consultation
- Digital consultations
- Dig Maker spaces
- Video audio
- Local ejournal
- IR
- Scanning digitizations omers
- Instructional design consultations, data management, website building, digital humanities support
- Still building
- Educational technology, data management, research support, metadata, analysis, big data, long term archiving
- Digital repository
- Textual analysis, data management guidance, visualization, repository services, publication assistance, Espresso Book Machine
Ask new questions

http://digitalscholarship.backchan.nl/

Vote on existing questions