Perspectives on Digital Scholarship Programs

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Coalition for Networked Information (CNI)
CNI Webinar Spring 2020
Based on Presentation at CNI Fall 2019 Membership Meeting
Variations in Public Scholarship Works: Examining The Impact of Three Related Scholarly Digital Projects on Present and Future Resources

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APRIL 5, 2019
Digital Scholarship Programs Bring Together:

New forms SC

Spaces

T&L

Expertise

Tech & Tools

Joan K. Lippincott
Libraries and New Forms of Scholarship

• Mission to support (e-)research and (digital) scholarship
• Bring together expensive technologies for use by all campus departments
• Bring together expertise to serve all campus departments
• Support graduate and undergraduate students independently or through coursework
The library’s space and programs are changing in concert with institutional changes

- Support the mission of the h.e. institution
  - Research
  - Teaching & learning
  - Community service

- Support societal values
  - Access to information
  - Stewardship of and celebration of cultural heritage
  - Fostering community
THE LIBRARY'S LAB

We're part of the Library's mission to provide equitable access to learning to everyone, and we're proud that librarian superpowers are part of our toolkit!

Visit our Library collaborations hub to find out about the many ways we co-create with and depend on our amazing Library colleagues, or jump to the UVA Library’s main website.
Digital Scholarship Programs

- Program goals
- Scope
- Administration/Governance
- Funding
- Staffing
- Program
- Space
- Assessment

https://dps.bucknell.edu/digital-scholarship-at-bucknell/
Digital Scholarship Program Development

- Can initially develop serendipitously
- May be prompted by faculty or library staff interest
- May focus on project work, workshops, guest speakers
- May or may not develop as an outcome of a planning process
Program Mission & Goals

- What is the core rationale for the program
- How will the program further institutional goals and priorities
- Who develops the program mission & goals
Mission

CURVE (Collaborative University Research and Visualization Environment) is a technology-rich discovery space supporting the research and digital scholarship of Georgia State University students, faculty, and staff. A service of the University Library, CURVE’s mission is to enhance research and visualizations by providing technology and spaces that promote interdisciplinary engagement, collaborative investigation, and innovative inquiry.
Digital Scholarship at Columbia

The Digital Scholarship unit in the libraries is committed to collaborating with students and faculty in the creation of new modes of knowledge creation. We believe in crediting labor; foregrounding accessibility; providing equitable access to research and research production; actively listening to traditionally underrepresented voices; and engaging with our colleagues across the globe. We understand a critical engagement with technology to help us tell stories effectively, engage with new tools and methods ethically, and participate equitably in the production and dissemination of knowledge.
Scope

• What disciplines are supported?
  – Humanities
  – Arts
  – Social Sciences
  – Sciences

• Are all members of the community supported?
  – Faculty/researchers
  – Graduate students
  – Undergraduates

• What is the range of offerings?
  – GIS, data visualization, makerspace
  – How does this relate to other campus or library units?
We work with faculty and students in the humanities, the social sciences, and the experimental sciences on digital research projects large and small. We will work with you from the earliest stages of formulating a research question to publication and beyond.

https://drc.lib.uh.edu/
WHAT WE DO

We're the UVA Library's community lab for the practice of experimental scholarship in all fields, informed by digital humanities, spatial technologies, & cultural heritage thinking.

We offer mentoring, collaboration, & a safe space for anyone curious about learning to push disciplinary & methodological boundaries through new approaches.

We're foremost a space for learning together—about anything—by trying stuff. Think of us as friends and colleagues who can help you teach yourself new ways of approaching your interests. We'd love you to be part of our community!

https://scholarslab.lib.virginia.edu/
The Willson Center Digital Humanities Lab, known informally as the DigiLab, is a state-of-the-art instruction space as well as an incubator and publicity hub for nationally recognized digital humanities projects. Opened in 2015, it is outfitted with flexible workspaces for individual or collaborative projects and with advanced technological resources. The DigiLab is located on the third floor of the Main Library, across from the newly renovated Reading Room and adjacent to the University of Georgia Press.

Software

The following programs are installed on all lab computers and laptops:

- **Graphic Design**
  - Adobe Creative Suite (Photoshop, Acrobat, etc.)
  - SketchUp Pro

- **Text Mining**
  - Ant series (AntConc, VariAnt etc.)
# Campus relationships

<table>
<thead>
<tr>
<th>Center</th>
<th>Email/Website</th>
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</thead>
<tbody>
<tr>
<td>Center for Urban and Regional Analysis (CURA)</td>
<td>cura.osu.edu</td>
</tr>
<tr>
<td>Council of Graduate Students</td>
<td>cgs.osu.edu</td>
</tr>
<tr>
<td>Enterprise GIS</td>
<td>pare.osu.edu/services/facilities-information-and-technology-services</td>
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<tr>
<td>Foundation Relations</td>
<td>osu.edu/giving/how-to-give/for-corporations-and-foundations/for-foundations</td>
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<tr>
<td>Graduate School</td>
<td>gradsch.osu.edu</td>
</tr>
<tr>
<td>Industry Liaison Office</td>
<td>ilo.osu.edu</td>
</tr>
<tr>
<td>Office of Postdoctoral Affairs</td>
<td>u.osu.edu/osupac</td>
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[https://library.osu.edu/researchcommons/about/partners](https://library.osu.edu/researchcommons/about/partners)
Administration/Governance

- Library
- Library + Partners
- College/Department/Institute
- Governance committee
- Advisory group
Digital Scholarship Commons

A collaborative space for faculty and doctoral students

The Digital Scholarship Commons, located on level 2 (215 Snell Library), is a collaborative, interdisciplinary environment where Northeastern faculty and doctoral students engaged in research and instruction consult with experts and colleagues to advance their academic projects and share best practices in the use of technology and information resources.

A Northeastern faculty or doctoral student Husky card is required for entry.

The space is jointly administered by

- Academic Technology Services (ITS)
- Center for Advancing Teaching and Learning Through Research (Research Division)
- Digital Scholarship Group (Library)

https://library.northeastern.edu/digitalscholarshipcommons
The Digital Humanities Executive Committee focuses on advancing digital humanities broadly at Yale. The committee serves as the advisory board for the Digital Humanities Lab.

Amy Hungerford — (Chair) Dean of Humanities, Bird White Houssum Professor of English, Professor of American Studies

Jennifer Frederick — Executive Director, Yale Center for Teaching and Learning

Alan Gerber — Dean of the Social Sciences Division, Charles C. and Dorathea S. Dilley Professor of Political Science, and Professor in the Institute for Social and Policy Studies

Susan Gibbons — University Librarian and Deputy Provost for Collections & Scholarly Communication

Jonathan Kramnick — Maynard Mack Professor of English

Stephen Krewson — Graduate student, English and Computer Science

Peter Leonard — Director, Digital Humanities Laboratory

Tina Lu — Professor of East Asian Languages and Literatures
What type of center?

**Center**
- Library administered
- Primary funding from institutional budget
- Partners with and offers expertise and education to a variety of disciplines and users
- Strong interest in lifecycle issues

**Institute**
- Faculty/academic department administered
- Primary funding from project grants
- Work on projects of affiliated faculty, often in defined discipline
- Strong interest in answering new research questions
A continuum of partnerships

• Library/Faculty Administered
  – Dual heads
  – Faculty head of research/library lead for facility
  – Faculty head of research/library lead for programs

• Nature of partnership/collaboration
Funding

- Library
- IT
- Research Office
- Provost’s Office
- College/Department
- Cost Recovery
- Grants
Funding

- Setting tiers of service
- Cost-free to user vs. charging or % of grant funds
Staffing

• Librarians
• Subject/Tool Specialists/Programmers
• Departmental Faculty
• Information Technologists
• Graduate Students
• Undergraduate Students
Staffing

• What skill sets are needed?
• Who can be retrained?
• Is there redundancy?
• Incorporation of staff throughout the library organization
• What are expectations of working on institutional priorities vs. ones own research?
• How are staff valued in digital scholarship projects?
James Adams
Data and Visualization Librarian

James Adams is the Data and Visualization Librarian at Baker-Berry Library, where he works with faculty and student researchers on wrangling and representing their data. He holds a Master's Degree in Library and Information Science from the Pratt Institute, and was named in the 2016 cohort of Library Journal's Star Librarians.

Memory Apata
Music Library

Memory Apata is a Southern-fried New Englander from Little Rock, Arkansas. She is a Music Library Specialist at the Paddock Music Library at Dartmouth College working in Serials Management, Education and Outreach. Memory has worked as the lead teaching assistant for two Dartmouth MOOCs (massive open online courses) on opera and music history.

Jill Baron
Romance Languages Librarian

Jill Baron is the librarian for Romance Languages and Latin American, Latino/a and Caribbean Studies at Dartmouth College. In this role she is dedicated to building and sustaining research collections of note, and to connecting faculty and students to materials, both print and digital, that drive scholarship and discovery.
Program

- Project consultation
  - Brief, extended
  - Lifecycle
  - Project management
  - Metadata creation
  - Digitization
  - Data management
  - Software
  - Publishing/Repository
  - Preservation

- Workshops
- Software carpentries
- Certificate programs
- Credit courses
- Fellowship programs
- Speaker series
- Peer community
Program

• Intersections of a Digital Scholarship Program with
  – GIS
  – Data visualization
  – Scholarly communication
  – Multimedia production
  – Makerspaces
  – Special Collections/Archives
  – Information literacy
  – VR, AI
The Center performs and promotes the use of digital technology for scholarship by the Brown community. We advise, design, and carry out projects and workshops for every discipline on campus. Specifically, this work tends to focus on the following areas (click for details):

- Data management, retention, and sharing
- Data visualization
- Open access and scholarly communications
- Digital research project consulting, design, and implementation
- GIS and mapping
- Textual and quantitative analysis
- Visual design and user-interface development
- Digitization of objects in 2 and 3 dimensions
- The Digital Studio
Digital Scholarship Services (DSS) partners with Lafayette faculty and student researchers to create and sustain dynamic digital research projects in the humanities, arts, and social and environmental sciences. We collaborate with campus and community partners to build rich, searchable digital collections.

Our team can help you manage research data, use and build digital collections, create visualizations of your research on interactive platforms, generate projects using geospatial data, and design digital humanities curricula. We also run the Lafayette College Libraries digital repository.
Digital Scholarship **Spaces** Can Incorporate

- Consultation areas
- Space for long term project work
- Work areas for fellows
- Workshop areas
- Project display area
- Informal spaces for conversation
- Cafes or break areas
- Staff space
- Visualization walls

- Makerspaces
- Specialized hardware – plotters, scanners, dual monitor computers
- Specialized software – GIS, statistical analysis, visualization
- Augmented/virtual reality facilities
- Workstations for group projects
Making spaces and services visible online

http://lib.fit.edu/dsl/
Spaces for consultation, project management

Willson Center DigiLab – U. Georgia – from Google Images
Project space and specialized tools

Duke University – The Edge
Group workstations with specialized software
Spaces for workshops, courses, and training

Arduino Workshop at McMaster
Spaces to continue work on projects after class/workshops

Brown University Library Center for Digital Scholarship
Workshop and display space focusing on multi-disciplinary scholarship
Flexible spaces for programs and project work
Focusing resources on support for data-intensive research

Hunt Library – North Carolina State University
Large-scale visualization spaces

Visualization Studio, Hunt Library, North Carolina State University
Large displays for analysis and interaction

Georgia State U. The CURVE
Spaces to host events

Maryland Institute for Technology in the Humanities MITH
Places to create a sense of community

The Kitchen Table – Greenhouse Studio – U. Connecticut
Places to create community: Break/kitchen Area

McMaster U. Centre for Digital Scholarship
Mechanisms to communicate information about new forms of research
Assessment

• Needs Assessment
  – Environmental scans (including of local landscape)
  – Faculty and student needs
  – Gaps
  – Staff capabilities

• Program Assessment
  – What are measures of success?
    • Related to goals
    • Unanticipated opportunities
  – How is success measured?
  – How are achievements, shortcomings, needs communicated?
    • To what audiences?
Needs Assessments

University of Pittsburgh

Harvard University

http://d-scholarship.pitt.edu/25034/

https://projects.iq.harvard.edu › dsi › harvard_ds_final-report_20170627_v2
As the program matures, what constitutes success?

- Linking outcomes to goals and priorities
- Recalibrating the program
Opportunities and Challenges

**Opportunities**
- Directly and significantly contribute to the college/university mission and goals
- Address the needs of core research, teaching & learning functions in the digital age

**Challenges**
- Centers as tenants in libraries
- Staff stretched thin
- Incorporating non-”center” staff
- Unclear priorities
- Making the community aware of expertise and technologies available
- Assessment
- Recalibrating programs
Some Key Questions for Institutions

• What kind of program?
• Goals/what will constitute success?
• Is staff ready?
• Do you have parameters for services/partnerships?
Some Key Questions for the Community

• How do we transition to “digital” scholarship support as a norm, e.g. not “special”
• How can we involve more staff in digital scholarship activities
• How can we work together on some core problems (ex.: preserving faculty-created databases)
Thank you!

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- https://www.cni.org/about-cni/staff/joan-k-lippincott/