Managing Research Data: Some Ins and Outs

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Digital Curation

Museums worldwide are now routinely digitizing all collection objects as they are acquired and loaned, not only for access but as documentation in the event of loss, damage or theft. They are also digitizing significant portions or even all of their holdings in order to create the robust web sites that the public now expects. In addition, museums are acquiring born-digital content such as digital media art, historical data in digital formats, and scientific research data. The creation and acquisition of valuable digital assets continues at a rapid pace, and cultural heritage institutions now have a critical need for professionals in this field to manage and preserve all types of digital assets to ensure their long-term availability for researchers, educators and the public, and to participate in the development and promotion of standards and best practices for digital curation in cultural heritage.

The Johns Hopkins University Graduate Certificate in Digital Curation, offered through the graduate program in Museum Studies, advances the education and training of museum and other cultural heritage professionals worldwide in this emerging field. The certificate program offers a specialized curriculum that prepares current and aspiring cultural heritage professionals to work with digital collections, exhibitions, and research data to ensure the effective stewardship of our global cultural heritage in all types of museums, from art museums to zoos, and related cultural heritage organizations. Students in this program will also contribute to the critically needed professional literature in the field.

Quick Stats

- Online
- Available 100% Online
- No, five courses online and one required

Visit the Museum Studies program page.

Visit the Combined Museum Studies/Digital Curation program page.
Development of a Small Data Collections Archiving Service

Monday, December 8
5:15-6:00 pm
California Room

Betsy Gunia, Data Management Consultant
Barbara Pralle, Head of Entrepreneurial Library Program
Research Data Management: Overview

- The Policy Context
- Planning
- Managing Active Data
- Archiving and Managing Data Long-term
- Measuring Success
- Case Studies
- What’s Next
The Policy Context

- The Policy and Institutional Framework
  - James Mullins

- Data Governance
  - MacKenzie Smith
Planning for Data Management

• Life Cycle Models for Data Services
  – Jake Carlson

• Assessment and Planning Tools
  – Andrew Sallans & Sherry Lake

• Understanding Trustworthy Data Repositories
  – Bernard Reilly & Marie Waltz
Managing Active Data

• Copyright and Open Data
  – Melissa Levine

• Metadata Services
  – Jenn Riley

• Data Citation
  – Jan Brase, et al
Data Archiving & Long-term Preservation

• Using Repositories for Active Data
  – Tyler Walters

• Partnerships: IR’s & Disciplinary Repositories
  – Jared Lyle, et al

• Local Repositories & Cloud-Based Services
  – Michele Kimpton & Carol Minton Morris

• Long-term Preservation
  – David Minor, et al
Measuring Success

• Project Evaluation
  – Suzie Allard

• Metrics for Research Data Management
  – Angus Whyte, et al
Case Studies

- Cornell University
  - Gail Steinhart

- Purdue University
  - Scott Brandt

- Rice University
  - Geneva Henry

- University of Oregon
  - Brian Westra
Common Themes / Take-aways

• Planning is essential and ongoing

• Essential infrastructure goes beyond software and your own institution—it includes tools, services, policies, and communities

• Collaboration internally and externally helps to maximize institutional investment

• The value of managing research data is not yet proved
What’s Next?

• The Next Generation of Challenges in the Curation of Scholarly Data
  – Clifford Lynch
Speakers

• Geneva Henry
  – Vice Provost for Libraries, George Washington University

• Michele Kimpton
  – CEO, DuraSpace

• Melissa Levine
  – Lead Copyright Officer, University of Michigan Libraries