



The IMLS National Digital Platform: Principles, Librarianship, and Digital Infrastructures

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The views and opinions expressed within this talk are solely those of the authors and do not necessarily represent the official policies or positions of the Institute of Museum and Library Services.



Talk Outline

- IMLS Update
- Applying Library Values to Emerging Technology
- Values in Design
 - Connectivity and digital access
 - Data privacy in civic and digital literacy
 - Digital collections by and for diverse communities
 - Information access through eBooks
- What's Next?

IMLS Update



Panelists
present at
the NDP at 3
Forum

Institute of Museum and Library Services

Who are we?

- IMLS is the primary source of federal support for the nation's libraries and museums.

What is our mission?

- To inspire libraries and museums to advance innovation, learning, and cultural and civic engagement. We provide leadership through research, policy development, and grant-making.

Two IMLS Convenings

- NDP At Three
 - October 17th, Crystal City
- Positioning Library And Information Science Graduate Programs For 21st Century Practice
 - November 7th, Columbia, SC



IMLS Library Program Staff visit the South Carolina State Library, November 2017

LB21 Convening

- Diversifying the Field of Professionals
- Skills, Expertise, and Competencies
- Alternative Models and Barriers to LIS Graduate Education



Panelists present at the November 2017 IMLS LB21 convening

NDP at 3 Convening

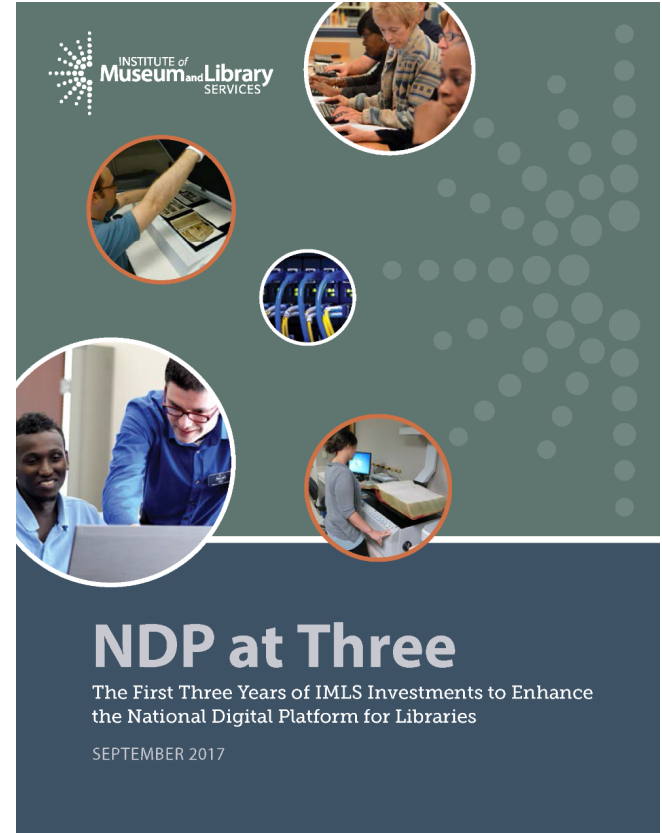
- Building Equitable Digital Communities
- Expanding Digital Cultural Heritage Capacities
- Opening Scholarly Communications
- Museums and the National Digital Platform



IMLS Director Kit Matthew opens the NDP at 3
Convening

NDP at 3 Report & Convening

IMLS concludes its third year of [National Digital Platform](#) funding, the agency takes a look back at what has been accomplished and explores future directions for increasing the digital capacity of libraries and museums.



Skills, Expertise, and Competencies

Open Digital Preservation Training and Professional Development Opportunities

This report begins establishing a common understanding of the types of open digital preservation training materials available.



Open Digital Preservation Training and Professional Development Opportunities

October 2017



Applying Library Values to Emerging Technology



Photo Credit:
Stephen Brewer,
University of
Southampton,
IMLS Award
[RE-43-16-0149-16](#)

Applying Library Values to Emerging Technology

Applying Library Values to Emerging Technology: Tips and Techniques for Advancing within Your Mission

- Digital Infrastructures that Embody Library Principles: The IMLS national digital platform as a framework for digital library tools and services
- Trevor Owens, Ashley E. Sands, Emily Reynolds, James Neal, Stephen Mayeaux, Maura Marx

The National Digital Platform represents the combination of software applications, social and technical infrastructures, and staff expertise that provide digital content, collections, and services to all library and archives users.

Two parts to the NDP

- Broadly: A way of thinking about all the digital tools, services, infrastructures, and workforces that libraries utilize to meet user needs across the United States
- Specifically: A project category in the National Leadership Grants to Libraries Program and the Laura Bush 21st Century Librarian Program.



Panelists present at the NDP at 3 Forum



Basis of the National Digital Platform

- All libraries can collaborate on shared tools, services, & digital approaches to meeting user needs.
- Collaborations and shared infrastructures will only be useful to the extent they enact library and archival principles.

ALA Values

- Access
- Confidentiality and privacy
- Democracy
- Diversity
- Education & lifelong learning
- Intellectual freedom
- Public good
- Preservation
- Professionalism
- Service
- Social responsibility

SAA Values

- Access and use
- Accountability
- Advocacy
- Diversity
- History and memory
- Preservation
- Professionalism
- Responsible custody
- Selection
- Service
- Social responsibility

“The values held by designers affect how information technologies are imagined; how systems handle data, create categories, and draw inferences; and what affordances are available for user interaction.”

Shilton, K. “Values Levers: Building Ethics into Design,” *Science, Technology & Human Values* 38, no. 3 (May 1, 2013): 375, doi:10.1177/0162243912436985.

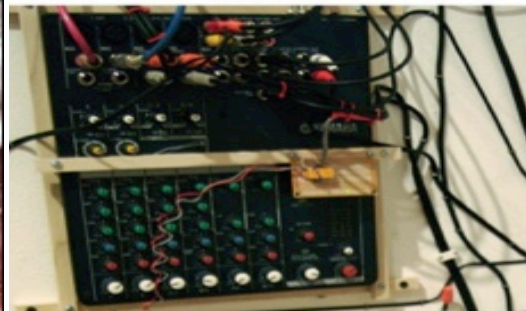
protocol
alexander r. galloway



Jonathan Sterne

MP3

THE MEANING OF A FORMAT



code{4}lib
JOURNAL

Mission Editorial Committee Process and Structure Code4Lib

Issue 28, 2015-04-15

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Feminism and the Future of Library Discovery

This paper discusses the various ways in which the practices of libraries and librarians influence the diversity (or lack thereof) of scholarship and information access. We examine some of the cultural biases inherent in both library classification systems and newer forms of information access like Google search algorithms, and propose ways of recognizing bias and applying feminist principles in the design of information services for scholars, particularly as libraries re-invent themselves to grapple with digital collections.

By Bess Sadler and Chris Bourq

Libraries are not Neutral

In spite of the pride many libraries take in their neutrality, libraries have never been neutral repositories of knowledge. Research libraries in particular have always reflected the inequalities, biases, ethnocentrism, and power imbalances that exist throughout the academic enterprise through collection policies and hiring practices that reflect the biases of those in power at a given institution. In addition, theoretically neutral library activities like cataloging have often re-created societal patterns of exclusion and inequality. For example, in *The Power to Name*, Hope Olson documents the ways the Dewey Decimal system has historically reflected

why are black women so



why are black women so angry
why are black women so loud
why are black women so mean
why are black women so attractive
why are black women so lazy
why are black women so annoying
why are black women so confident
why are black women so sassy
why are black women so insecure

ALGORITHMS
OF
OPPRESSION

HOW SEARCH ENGINES
REINFORCE RACISM

SAFIYA UMOJA NOBLE

Current Issue

Issue 36, 2017-04-20

Previous Issues

Issue 35, 2017-01-30

Issue 34, 2016-10-25

Issue 33, 2016-07-19

Issue 32, 2016-04-25

Older Issues

For Authors

Call for Submissions

Article Guidelines

Values in Design



Photo Credit: Thomas Padilla, University of California, Santa Barbara

Four Focal Areas for Today

- Connectivity and digital access
- Data privacy in civic & digital literacy
- Digital collections by & for diverse communities
- Information access through eBooks



University of South Carolina graduate students present in a poster session, November 2017

Connectivity and Digital Access



Library tools for the blind and visually impaired over time, South Carolina State Library, November 2017

Toward Gigabit Libraries

RE-00-15-0110-15

\$248,725.00

Project: Develop a library broadband network assessment toolkit and training program for rural and tribal libraries. Pilot the tool kit with 30 library practitioners in at least 30 rural public and tribal libraries across five states.

Partners: Internet2; Association of Tribal Archives, Libraries, and Museums; the American Library Association; the Association of Rural and Small Libraries; and the Chief Officers of State Library Agencies

- \$50,000
- Project: Brooklyn Public Library is piloting BKLYN Link, a community-driven mesh network providing free broadband access and a technology-based fellowship program for young adults ages 18-24. engagement and launching a mesh network

Libraries Leading in Digital Inclusion via TV White Space

LG-70-16-0114-16

- \$249,998.00
- Project: Create training materials and support 5 library pilots to use TV White Space wireless technology to provide connectivity in remote areas.
- Partners: San Jose State, Gigabit Libraries Network & National Digital Inclusion Alliance

Data Privacy in Civic & Digital Literacy



Photo Credit:
Stephen Brewer,
University of
Southampton,
IMLS Award
[RE-43-16-0149-16](#)

Scaling Digital Privacy & Data Literacy in Libraries

RE-06-15-0050-15

- \$240,729
- Project: Develop, run and evaluate digital privacy and data literacy training for public library staff. The resulting training materials are made widely available as open educational resources.
- Partners: Brooklyn Public Library, the Metropolitan New York Library Council, New America Foundation's Open Technology Institute, and the Data & Society Research Institute.

On the Record, All the Time: Setting an Agenda for A/V Evidence Management

RE-43-16-0053-16

\$99,970

The UCLA Department of Information Studies convened stakeholders responsible for the management of new forms of digital audiovisual evidence used by law enforcement. The goals of the project are to identify areas of skill development for information professionals in law enforcement agencies, libraries, and archives, and to build institutional capacity for education that addresses information professionals' management of digital information and open data.

Open Data for Public Good: Data Literacy Education for Public Information Professionals

RE-40-16-0015-16

\$690,858

Project: Develop and run an educational program to prepare both new students and practicing professionals to: curate collections of open data of value to local communities, build infrastructure and preservation environments needed to sustain open data collections, and collaborate with open data providers on advocacy and outreach activities.

Partners: University of Washington, Seattle Public Library, Washington State Historical Society, Washington State Department of Transportation, and the Washington State Office of Technology.

Data Privacy in Civic & Digital Literacy

- *Privacy in Libraries (RE-95-17-0076-17)*, New York University, \$249,504
- *Library Values & Privacy in our National Digital Strategies: Field guides, Convenings, and Conversations (LG-73-17-0062-17)*, University of Wisconsin, \$90,150
- *Developing Public and Academic Libraries as Key Participants in Civic Open Data Ecosystem (LG-70-17-0146-17)*, University of Pittsburgh, \$224,761

Digital Collections by and for Diverse Communities



Matthew Burton
presents on IMLS
award
[re-43-16-0149-16](#)
at the 2017 Digital
Library Federation
annual meeting

Mukurtu Hubs & Spokes: A Sustainable National Platform

LG-70-16-0054-16

\$641,832

Project: Extend the functionality of the free and open source platform Mukurtu, a content management system and community archive platform built with indigenous communities to manage and share digital cultural heritage and launch a national network of hubs that will contribute to the ongoing development and deployment of the platform, as well as provide training and support to tribal archives, libraries, and museums.

Partners: Washington State University, University of Hawaii's, Alaska Native Language Archives, University of Oregon Libraries, University of Wisconsin, Wisconsin Library Services, and Yale University's Beinecke Rare Book and Manuscript Library

Diversifying the Digital Historical Record

LG-73-16-0003-16

\$100,000

Project: Partners are hosting four meetings exploring integrating community archives in the National Digital Platform. The project will result in recommendations for increased representation of marginalized communities and people in our digital cultural heritage.

Partners: The Amistad Research Center, the Shorefront Legacy Center, the South Asian American Digital Archive, Mukurtu, and the Inland Empire Memories Project

Assessing the Use of Community Archives

RE-31-16-0117-16

\$325,000

Project: In this Early Career Development research project, Dr. Michelle Caswell is studying questions related to the use and users of community archives, centered on the needs of LGBTQ communities and communities of color. The research will investigate the impact of independent, community-based archives in Southern California on the individuals and communities they serve, as well as provide tools for such archives to assess and articulate their impact. Outcomes of the project will include an open assessment toolkit for community archives to study and assess their own users.

Digital Collections by and for Diverse Communities

- *National Forum on Culturally Sensitive Practices and Data Curation (LG-73-16-0126-16)*, Northeastern University, \$98,822
- *Digital Memory in Rural Tribal Libraries: A Program for Technology Training & Memory Gathering (LG-72-16-0113-16)*, Shift Design, Inc., \$48,743
- *Linking People: Developing Collaborative Regional Vocabularies (LG-72-16-0002-16)*, University of Utah, \$50,000

Information Access through eBooks



Nathan Hall
chairs a session
on two IMLS
awards
[LG-73-17-0141-17](#) and
[LG-88-17-0171-17](#) the 2017
Digital Library
Federation
annual meeting

Redesigning State-Level E-Rate Support

RE-00-15-0111-15

- \$95,200
- Project: Implement a clearinghouse for best-of-breed information, documentation, and best practices to serve as an information resource and to stimulate a national community of practice around libraries and E-rate.
- Partners: Chief Officers of State Library Agencies (COSLA), Georgia Public Library Service, American Library Association's E-Rate Task Force

The Library E-content Access Project

LG-00-15-0263-15

\$1,372,154

Project: Expand and provide outreach for the Library Simplified open source eBook platform. Through this work, the partners aim to unify and improve the eBook borrowing and reading experience for library users across the country. The project also supports a broader strategy to enhance open source software tools for public library systems across the country to provide access to eBooks.

Partners: New York Public Library (NYPL), in close collaboration with the Digital Public Library of America (DPLA), and 19 partner libraries and library consortia from across the country

SimplyE for Consortia

LG-70-16-0010-16

\$695,000

Project: Enhance SimplyE, an open source e-reader designed specifically to streamline and improve the e-book circulation process for library patrons. SimplyE, will be modified for academic, public, and school library users. The team will design and develop features that will allow for the participation of schools, research libraries, and consortia with shared e-book collections.

Partners: Minitex, Massachusetts Library System (MLS) and Reaching Across Illinois Library System (RAILS)

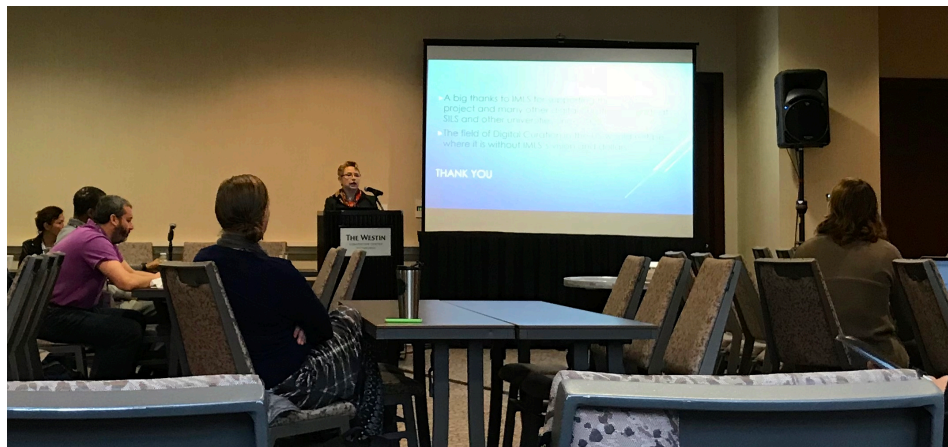
More: Accessibility and Access for All

- *Creating Digital Library (DL) Design Guidelines on Accessibility, Usability And Utility for Blind and Visually Impaired (BVI) Users* (LG-70-16-0038-16), University of Wisconsin, \$495,600
- *Repository Services for Accessible Course Content* (LG-72-15-0009-15), Tufts University, \$49,870

And More: Preservation

- *Avalon Media System: Integrating audiovisual collections with research, digital preservation, and a sustainable developer community (LG-70-17-0042-17)*, Northwestern University, \$967,088
- *Professional Development Institutes for Digital Preservation (RE-85-17-0012-17)*, Northern Illinois University, \$240,423
- *Scaling Up Perma.cc: Ensuring the Integrity of the Digital Scholarly Record Project Scaling (LG-70-16-0023-16)*, Harvard University, \$782,649

What's Next?



Helen Tibbo presents on IMLS award [RE-06-13-0052-13](#) at the 2017 Digital Library Federation annual meeting

Basis of the National Digital Platform

- All libraries can collaborate on shared tools, services, & digital approaches to meeting user needs.
- Collaborations and shared infrastructures will only be useful to the extent they enact library and archival principles.

**Library principles should be
entangled with the design
and implementation of
technology at every level of
digital library infrastructure**

Funding Opportunities

- National Leadership Grants and the
- Laura Bush 21st Century Librarian Programs
 - February 1, 2018 & September 1, 2018*
- Native American & Native Hawaiian Programs
- Grants to States
- Additional funding opportunities may become available throughout the year.

National Leadership Grants for Libraries

National Leadership Grants for Libraries (NLG) support projects that address significant challenges and opportunities facing the library and archive fields and that have the potential to advance theory and practice.

Characteristics of successful proposals may include:

- National impact
- Current significance
- Strategic collaborations
- Demonstrated expertise

National Leadership Grants for Libraries

Program Goals	To support projects that address challenges faced by the library and archive fields, and have the potential to advance theory or practice in those fields.
Deadlines	September 1, 2017 February 1, 2018
Amount	\$10,000-\$2,000,000
Cost Share	Cost share requirements vary with project type



Laura Bush 21st Century Librarian Program

- The Laura Bush 21st Century Librarian Program (LB21) supports professional development, graduate education, and continuing education to help libraries and archives develop a diverse workforce of librarians to better meet the changing learning and information needs of the American public.
- Characteristics of successful proposals may include:
 - Broad impact
 - Collaboration
 - Advancement of library practice

Laura Bush 21st Century Librarian Program

Program Goals	The Laura Bush 21st Century Librarian Program (LB21) supports professional development, graduate education, and continuing education to help libraries and archives develop a diverse workforce of librarians to better meet the changing learning and information needs of the American public.
Deadlines	September 1, 2017 February 1, 2018
Amount	\$50,000-\$1,000,000
Cost Share	Cost share requirements vary with project type



National Digital Stewardship Residents ([NDSR-DC Cohort](#)) celebrate completing their panel at the 2017 Digital Library Federation annual meeting

Recommendations for writing a competitive proposal

- Start planning early!
- Read the NOFO “early and often”.
- Be certain your project goals relate to the goals of the program and category to which you are applying.
- Take time to carefully research and articulate the need for your project.
- Identify key personnel and external partners, or at least outline the selection process.
- Avoid generalities, acronyms, and jargon.
- Ask a colleague to review before you submit.
- Missing required information can result in immediate rejection.
- Nominate yourself to become a reviewer
- Contact IMLS program staff for assistance!

<p>Tim Carrigan tcarrigan@imls.gov</p> <ul style="list-style-type: none"> • Early learning • Young adult services • Informal STEM learning • Making 	<p>Sarah Fuller sfuller@imls.gov</p> <ul style="list-style-type: none"> • Community development • Workforce development • Services for new Americans • Public health 	<p>Dr. Sandy Toro storo@imls.gov</p> <ul style="list-style-type: none"> • Community & learning research • Native American & Native Hawaiian library services
<p>James Neal jneal@imls.gov</p> <ul style="list-style-type: none"> • Broadband • Digital inclusion • Open educational resources • Data privacy and security 	<p>Emily Reynolds ereynolds@imls.gov</p> <ul style="list-style-type: none"> • Digital collections • Digital preservation • Archives & special collections • Community archives 	<p>Dr. Ashley Sands asands@imls.gov</p> <ul style="list-style-type: none"> • Research data management • Scholarly communications • Open research infrastructures

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