Digital Public Library of America: Minnesota's Contribution

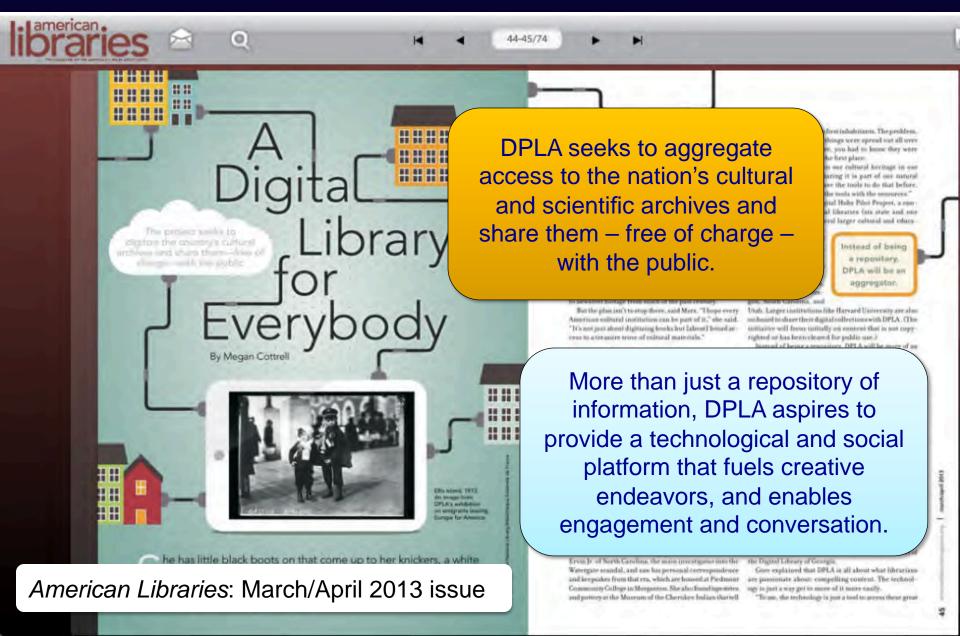
Jason Roy University of Minnesota Libraries

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Digital Public Library of America



DPLA Funders

- Alfred P. Sloan Foundation (\$2.5M)
- Arcadia Fund (\$2.5M)
- John S. and James L. Knight Foundation (\$1M)
- National Endowment for the Humanities (\$1M)
- Institute of Museum and Library Services (\$250K)



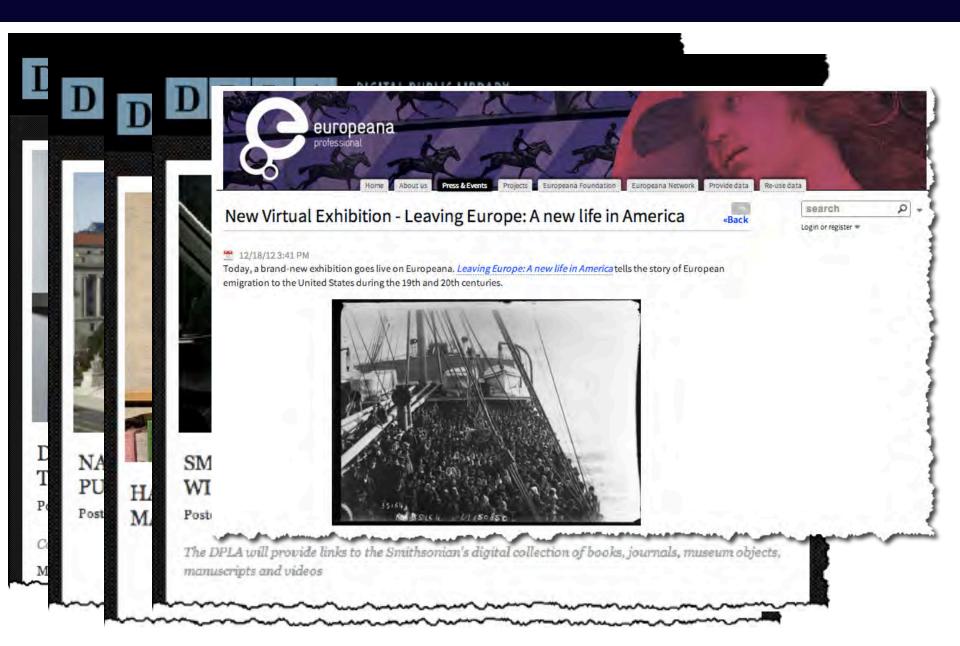




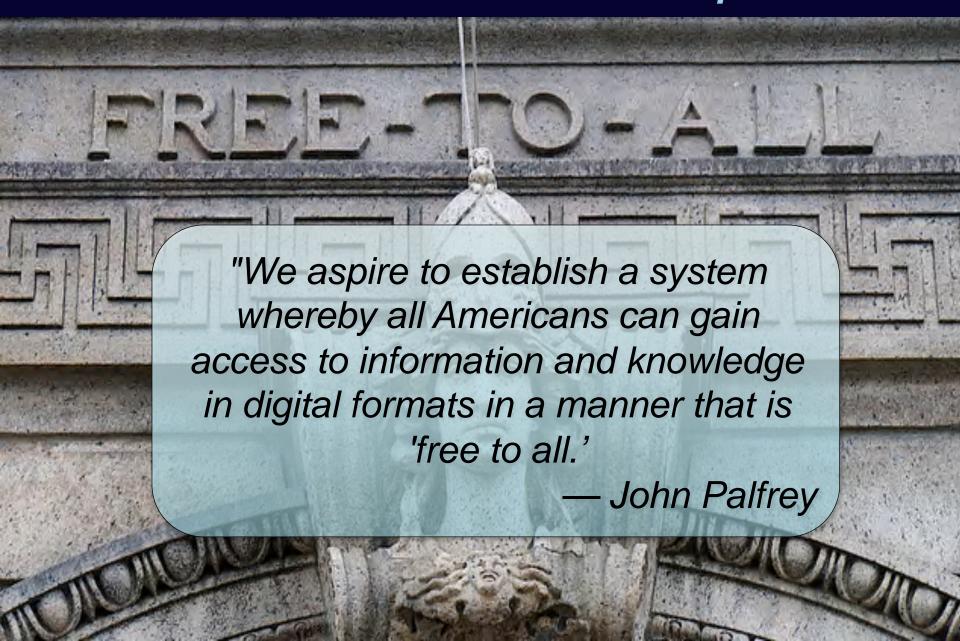




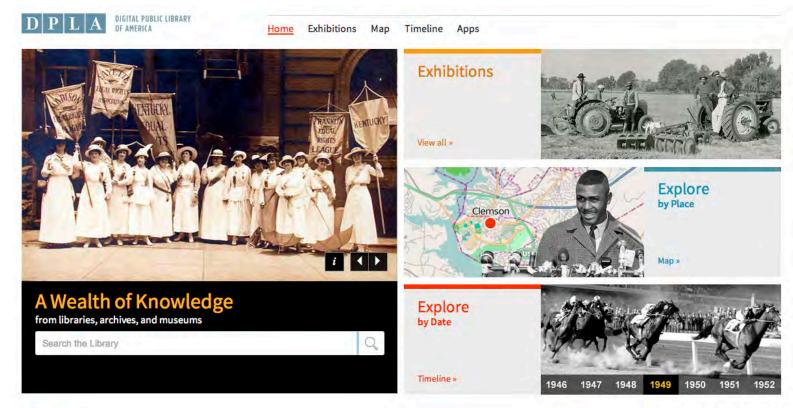
DPLA Milestones



A Palace for the People



DPLA Launch - April 18, 2013



Apps

The DPLA is a platform, Developers make apps that use the library's data in many different ways. Here are just a few. App Library »



Library Observatory

Created by metaLAB at Harvard

Library Observatory is an interactive tool for searching and visualizing the DPLA collections, accompanied by an interactive documentary that weaves together history, visualizations, and



Search DPLA and Europeana

Jesús Domínguez

Through the Europeana and DPLA APIs, it's easy to discover sources of information previously unknown or unforeseen and go directly to a digital version of an item.

News







A Proud Day for the DPLA

Apr 18

Welcome to the Digital Public Library of America Apr 18

All News »

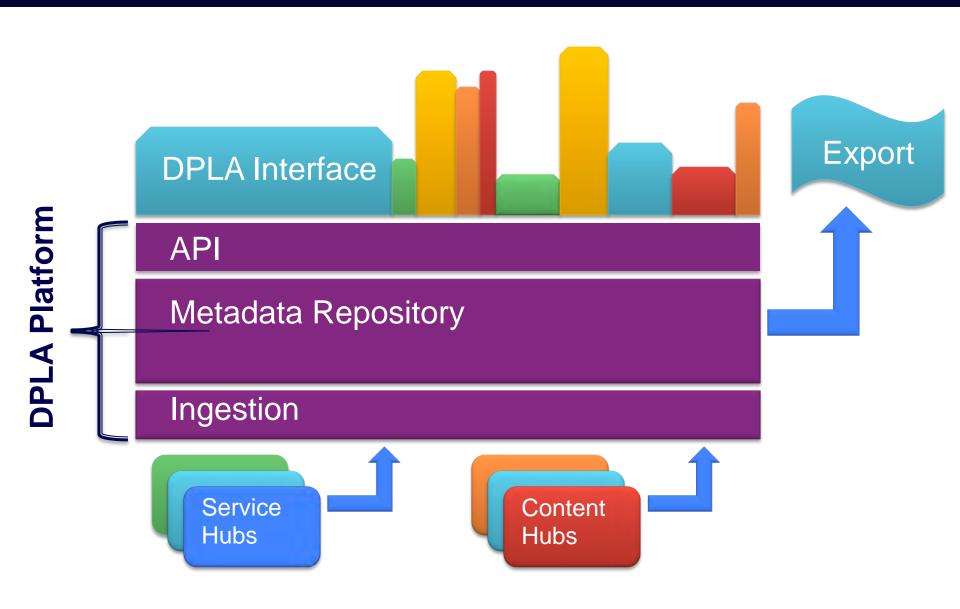
@dpla on Twitter

RT @foundhistory MT @omeka: Like exhibitions in @dpla? bit.ly/11yyREX All are built in @omeka [n.b. platform was chosen before @dancohen joined up] about 27 minutes ago

Elements of the DPLA

- Code technical backbone of the DPLA; open, interoperable globally
- Metadata discovery framework, aggregate existing and create new metadata; all metadata placed in the public domain
- **Content** all media types and formats including the written record—books, pamphlets, periodicals, manuscripts, and digital texts—and expanding into visual and audiovisual materials in concert with existing repositories. Interested in exploring orphan works and materials that are in copyright but out-of-print; models for digital lending of in-copyright materials.
- **Tools & Services** platform is generative and open to public innovation to facilitate new discovery, encourage new kinds of questions, and enable the creation of new tools and services, including social sharing and networking services, research tools, and as-yet unforeseen applications.
- Community a participatory platform that facilitates the involvement of the public in all aspects of its design, development, deployment, maintenance, and support.

DPLA Architecture



Metadata Repository

Metadata Repository

DPI A Interface

Ingestion

Metadata Repository

- The DPLA is a metadata repository, not a content repository
- Metadata is aggregated through identified service and content hubs

Metadata types: item, collection contributor, event

Service Hubs Content Hubs

- Metadata for cultural heritage digital objects and books aggregated from service and content hubs
- Starting with OAI-PMH harvesting from Service Hubs for the initial dataset, but will rapidly add support for a wide variety of formats

SERVICE HUBS

- Mountain West Digital Library (Utah, Nevada and Arizona)
- Digital Commonwealth (Mass.)
- Digital Library of Georgia
- Kentucky Digital Library
- Minnesota Digital Library
- South Carolina Digital Library

CONTENT HUBS

- National Archives
- Smithsonian Institution
- New York Public Library
- Harvard University
- University of Illinois
- University of Virginia
- ARTstor

Ingestion

Automated ingestion pipeline to handle diverse data sets

- File transport (http, ftp, OAI-PMH)
- Mapping/crosswalk to DPLA schema (v.3 released)
- Data enrichment and normalization

Goals

Enable the API to provide useful search results

 Preserve complete original metadata (the "dark schema")

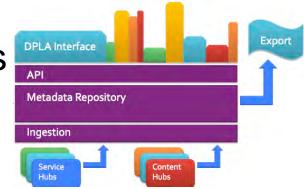


Front End

 iFactory is built the front end interface to the DPLA



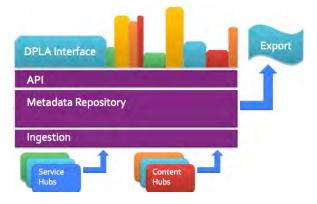
- Scope
 - Browse and search
 - Facilitate discovery of related content
 - Create and share personalized collections
- A gesture towards the possibilities of the full DPLA





Application Programming Interface

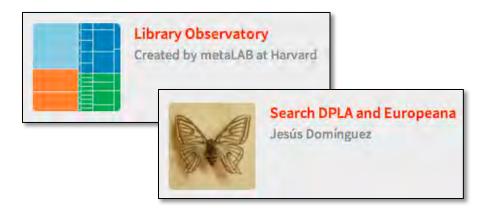
- Goal is to support whatever people might want to do with DPLA data, and extend as necessary
- Services search by keyword, creator, date, location, collection, etc.
- Faceted search
- REST API supporting JSON, XML, HTML, etc.
- Bulk export option available

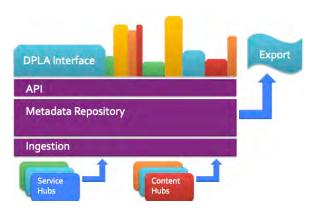


Community



- The point of the API is for the community to build on it
 - Beta sprinters
 - Appfests
- Developer Portal http://dp.la/wiki/Dev_portal
- Code https://github.com/dpla
- App Library http://dp.la/apps





Aligning Policy with Aspiration

- The DPLA hopes that the content and resources in the library will be put to creative uses that educate, inform, and empower current and future generations.
- The DPLA aims to make the cultural and scientific record available, free of charge, to all through databases of metadata. The DPLA, for this purpose, has undertaken the task of ingesting, indexing, enriching, and making available descriptive metadata and wishes to make such metadata widely available for reuse.
- The DPLA wishes to promote innovation in the development of applications and tools that use and rely on this metadata. In order to foster such innovation, the DPLA is committed to ensuring such metadata is unencumbered by legal restrictions.

Metadata Policy Statement

THE DIGITAL PUBLIC LIBRARY OF AMERICA POLICY STATEMENT ON METADATA

PREAMBLE

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THE DIGITAL PUBLIC LIBRARY OF AMERICA POLICY STATEMENT ON METADATA

expresses only objective facts (which are not original) or constitutes expression so limited by the number of ways the underlying ideas can be expressed that such expression has merged with those ideas.

02. The DPLA's Partners Share the DPLA's Commitment.

The DPLA's partners share the DPLA's vision of and commitment to freely sharable metadata to promote innovation. The DPLA's partners agree that the vast majority of metadata is not subject to copyright. To the extent that metadata provided by the DPLA's partners may be protected by copyright, however, those partners have agreed to dedicate such metadata to the public domain pursuant to a CCO license. This means that any raw metadata imported into the DPLA, which is protected by copyright, is provided under a CCO license.

The DPLA Asserts No Rights Over its Database of Metadata and Dedicates its Contributions to the Public Domain.

The DPLA hereby expressly waives any and all rights the DPLA might have with respect to metadata in the library, including rights arising from the DPLA's selection and arrangement thereof. To the extent that the DPLA's own contributions to selecting and arranging such metadata may be protected by copyright, the DPLA dedicates such contributions to the public domain pursuant to a CCO license.

04. Free and Unencumbered Access to Metadata.

Given the purposes of the policy and the copyright status of the metadata, and pursuant to the DPLA's terms of service, the DPLA's users are free to harvest, collect, modify, and/or otherwise use any metadata contained in the DPLA.

Metadata Policy Statement

- The vast majority of metadata is not subject to copyright restrictions
- 2 DPLA's partners share the DPLA's vision of and commitment to freely sharable metadata to promote innovation.
- 3 DPLA asserts no rights over its database of metadata and dedicates its contributions to the public domain
- OPLA's users are free to harvest, collect, modify, and/or otherwise use any metadata contained in the DPLA.

Differentiation

- Unprecedented aggregation
 - Scale, types, major partners with Main street collections
- Openness
- Tools to support creative endeavors

Home

Exhibitions Map Timeline

Apps



Exhibitions

View all *





Explore by Place

A Wealth of Knowledge

from libraries, archives, and museums

Search the Library



Timeline »

Explore



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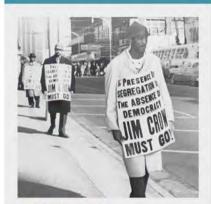
Home Exhibitions Map Timeline Apps

View: ■ 💡 👊

Search the Library

Exhibitions





Activism in the U.S.



America's Great Depression and Roosevelt's New Deal



Boston Sports Temples



Bread and Roses Strike of 1912: Two Months in Lawrence, Massachusetts, that Changed Labor History



History of Survivance: Upper Midwest 19th Century Native Aperican Narratives



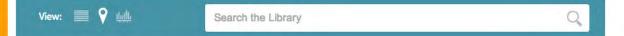
Indomitable Spirits: Prohibition in the United States



This Land Is Your Land: Parks and Public Spaces



Home Exhibitions Map Timeline Apps

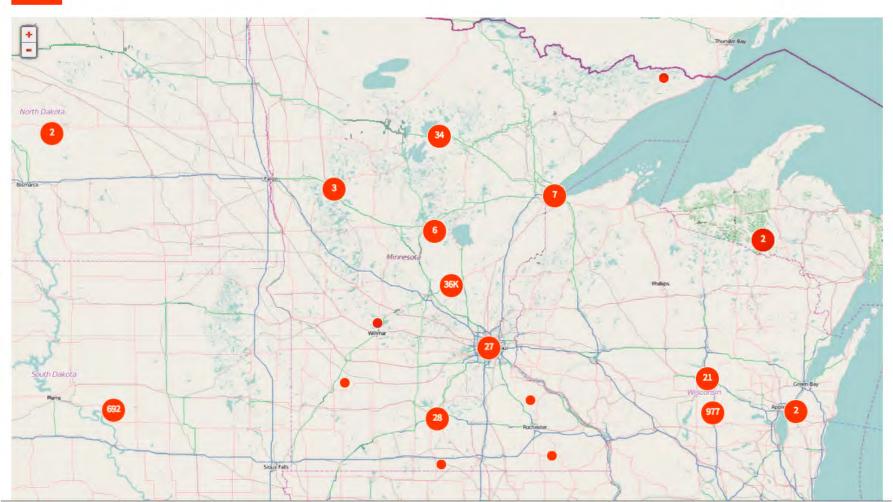


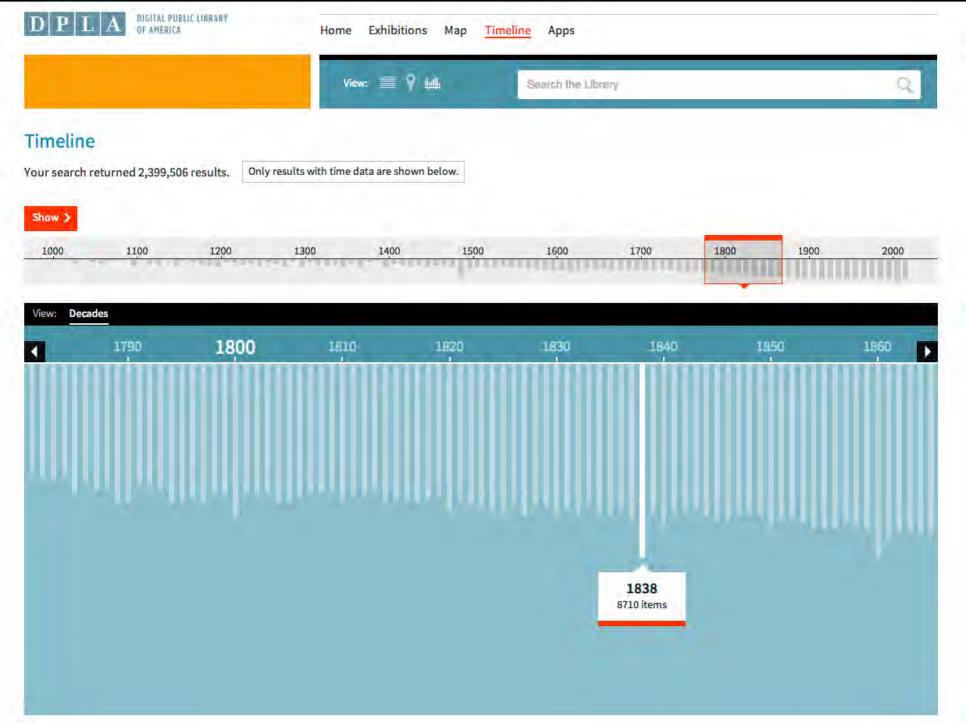
Map

Your search returned 2,399,506 results. Or

Only results with location data are shown below.







Minnesota Digital Library's Role in the DPLA

dp.la | reflections.mndigital.org | mndigital.org



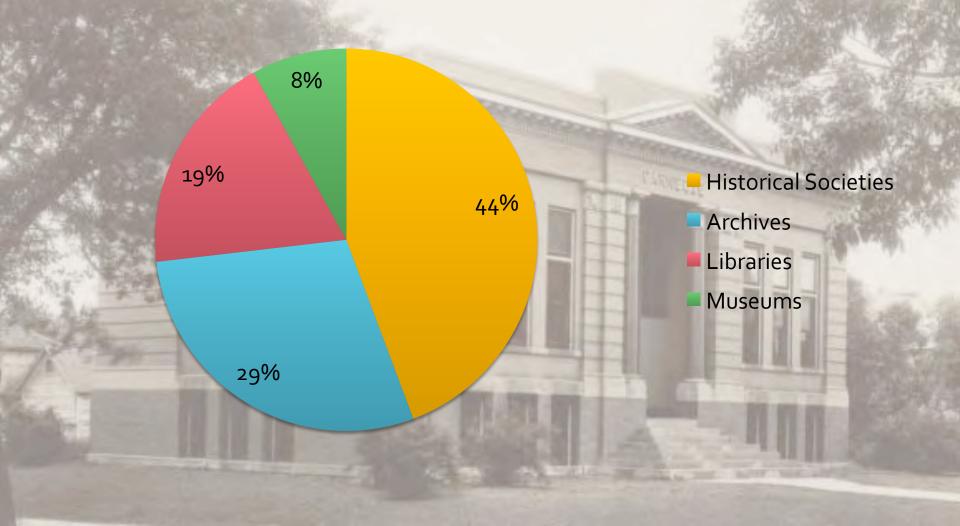


MDL Footprint (2013)

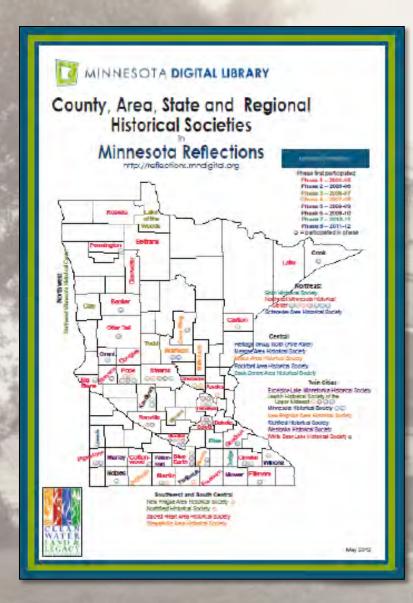
- ~150 cultural institutions all types and sizes
 - County, Area, and Regional Historical Societies
 - Academic, Public, and Special Libraries
 - Museums
 - Governmental agencies, including national, state, and county offices
 - Non-profit foundations
 - Religious organizations
 - Church and monastery archives
- 130,000 images, audio-recordings, newspapers, maps and documents
- Integration
 - Education and programming

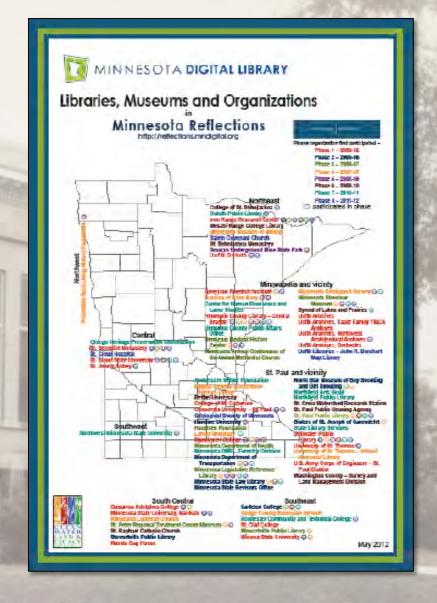
MDL Footprint (2013)



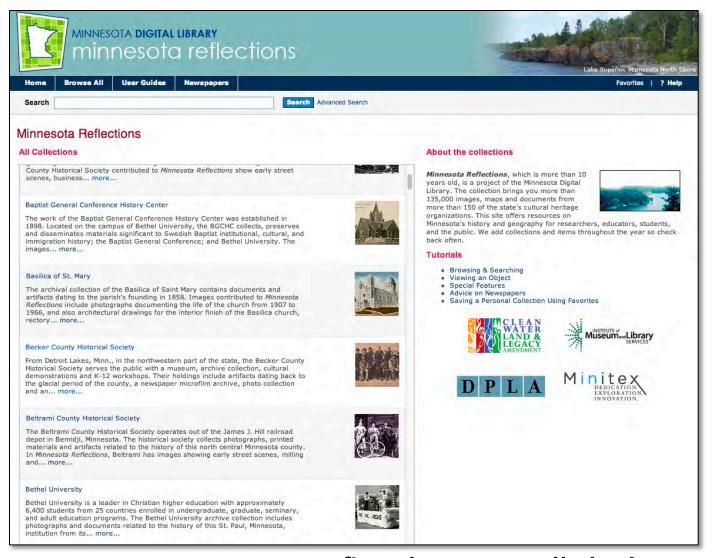


MDL Footprint (2013)



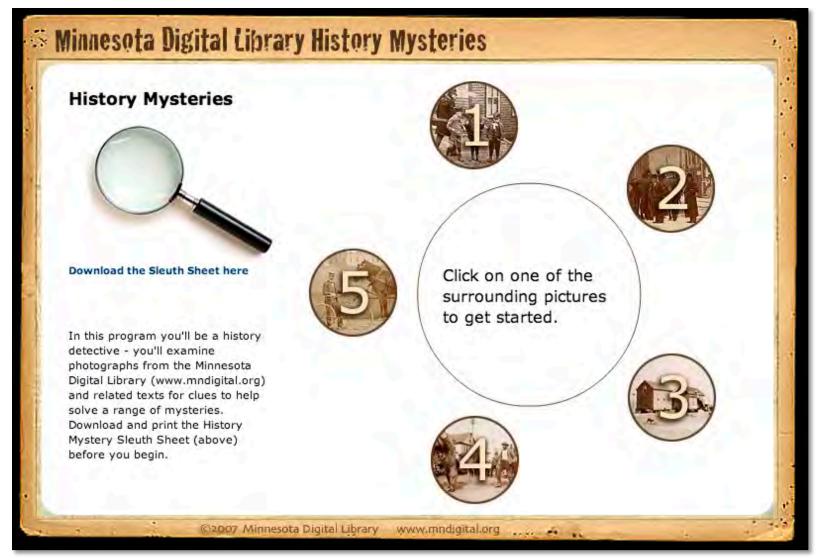


Minnesota Reflections



reflections.mndigital.org

Storytelling



mndigital.org/ed_assets/historymysteries/

Educational Resources



MDL Program Areas

Digital Conversion

Photographs, textual materials, maps, audio, video

Online Access

- Metadata brokering (WorldCat, Google)
- Experimentation with Google SA, Steve Project (tagging)

K-12 and Lifelong Learning Support

- Teacher guides, tied to Minnesota Curriculum Standards
- Teacher-designed Pachyderm modules (online learning objects)

Digital Master Storage and Preservation

Evolving towards a state-wide preservation service

Professional Development & Education

- Metadata and digital capture training/webinars
- Annual conference

MDL Funding and Support

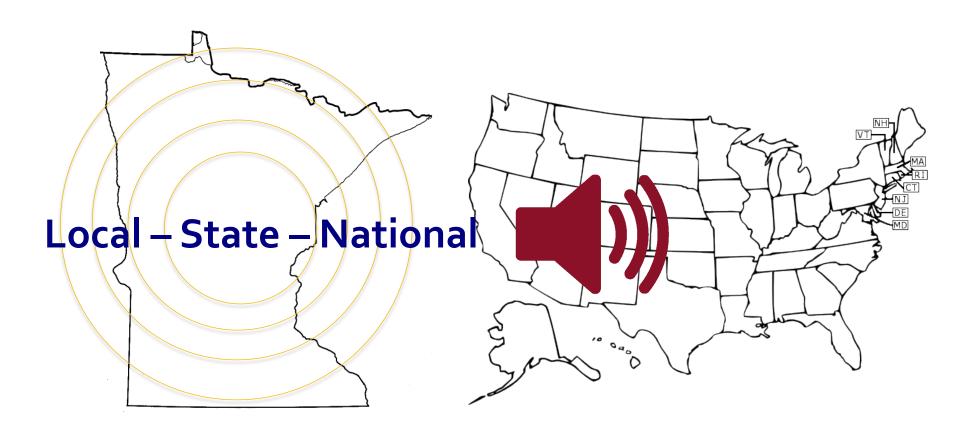
- Start-up: year-to-year LSTA awards
 - \$150K \$235K per year
 - Generous in-kind effort contributions from MDL Coalition anchors
- Establishing: annual state-wide LSTA funding
 - \$200K \$225K per year
 - Generous in-kind effort contributions from MDL Coalition anchors
- Stability: State-wide Legacy and Minitex Funding
 - Legacy Funding established for years 2010-2035 \$250K/year
 - Minitex Funding (Office of Higher Education)
 - Generous in-kind effort contributions from MDL Coalition anchors
 - Pursuing strategies to increase allocation







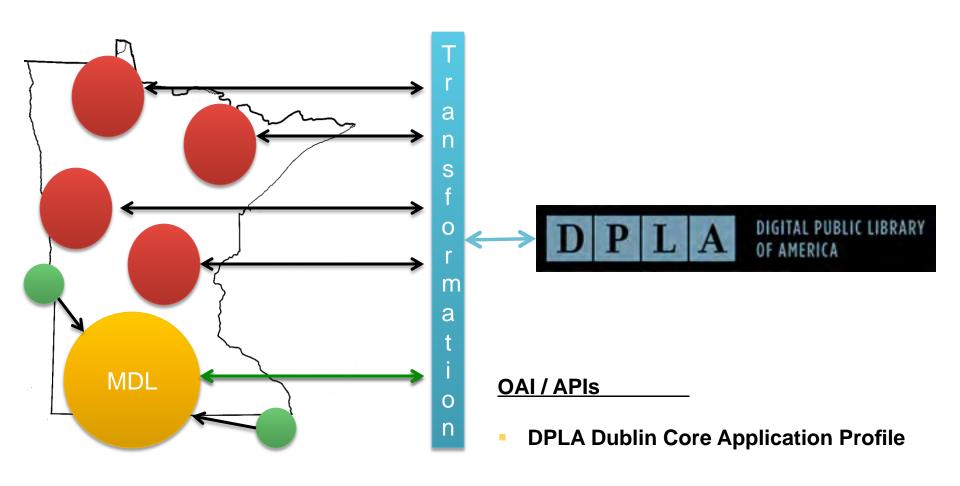
MDL + DPLA = Amplification

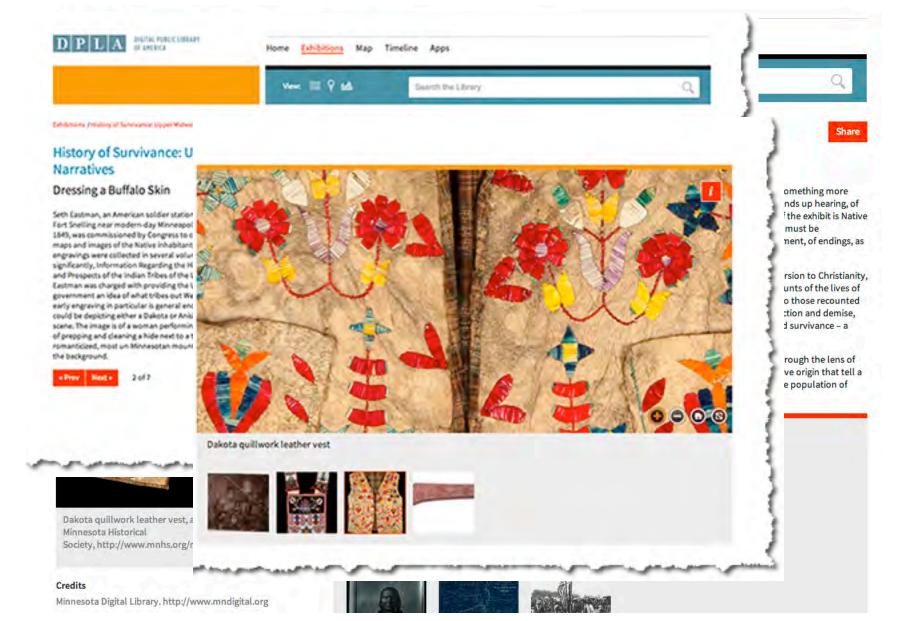


State-/Region-wide Digital Library Metadata Aggregation

MDL + DPLA = Amplification

Beyond the MDL Digital Collections



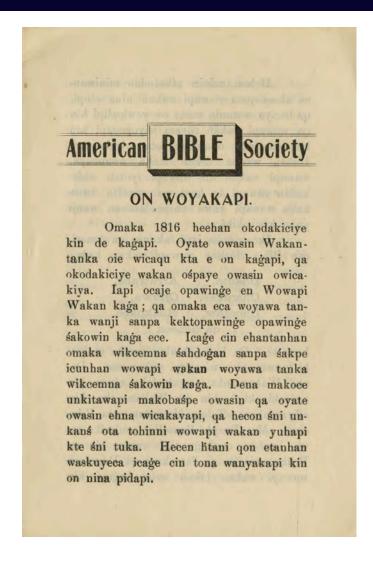




Portrait of Big Frog Mac-cakee, ca. 1908 Pennington County Historical Society

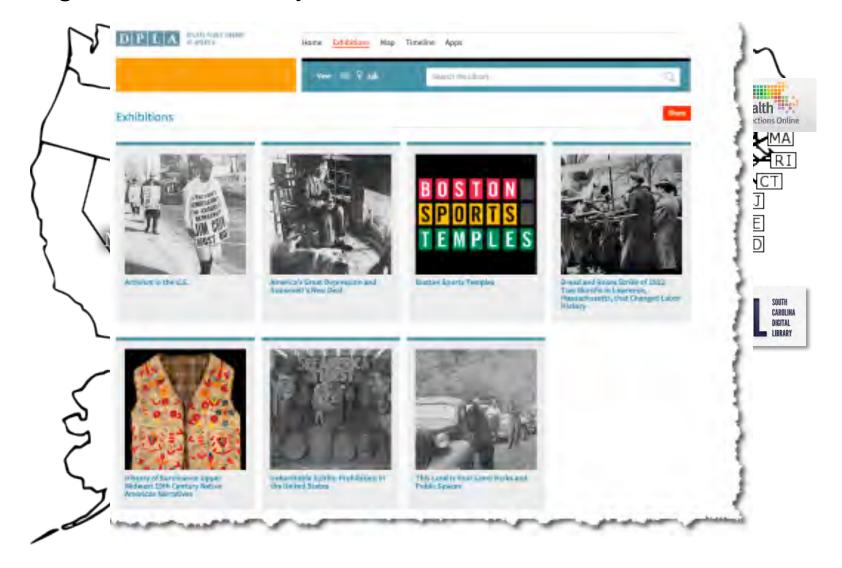


Group of Chippewa Indian Chiefs, Washington, DC, January 1899
Becker County Historical Society

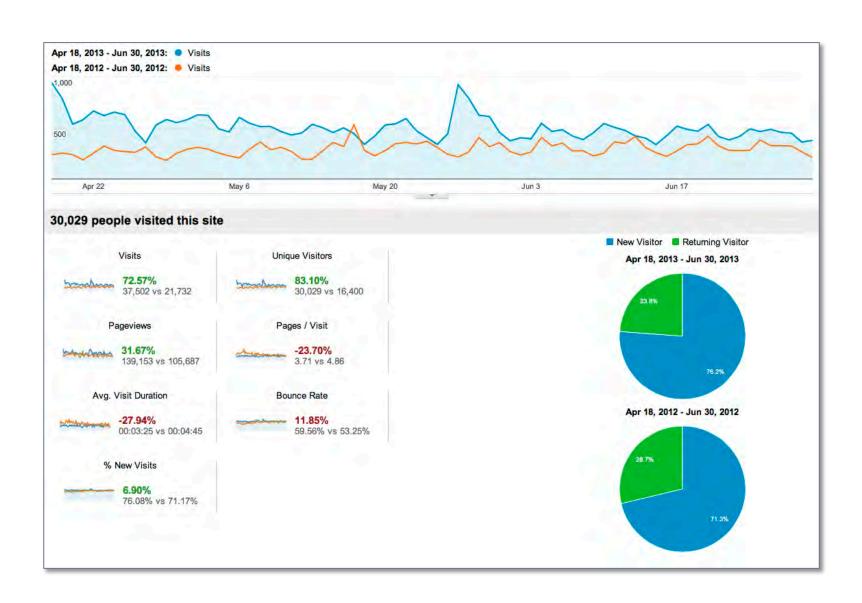


American Bible Society, On Woyakapi (Dakota language), ca. 1880-1890 Synod of Lakes and Prairies, Presbyterian Church (U.S.A.)

Telling a National Story



Initial Data Analysis



Data Aggregation

Currently providing DPLA with ~38,000 records (~130,000 objects) from 147 cultural heritage organization throughout the state.

Moving forward:

- How to best leverage resources to ensure the most impactful and sustainable aggregation of online cultural materials?
- Identify and chart a path to getting additional partners interested and participating in the DPLA initiative?
 - ✓ Both within and outside of the current MDL participant model
- What is our bounding box in our role as a service hub?
 - ✓ Conversations with the Digital Library of South Dakota
 - Opportunities to help on board other potential service hubs?

Digital Content Expansion

Published the exhibit "History of Survivance: Upper Midwest 19th Century Native American Narratives."



Moving forward:

 Our initial grant proposal set aside money to support new digitization efforts, both separate from and in support of the work being done within the current MDL framework.

• Questions:

- ✓ What opportunities does this new money provide us with in terms of new directions and increased efforts in digitization?
- ✓ Are there areas of digitization that had previously been seen as prohibitively expense or whose extent was deemed to be too large? Might we revisit those previous decisions?

New Documentary Initiatives

Opportunity to document the 'Absent Narrative'

How best to we tell today's story?

- Is it through documenting Minnesota's new immigrant communities—capturing oral histories, documentary photographs and video interviews?
- Collaborating with partners who have the requisite expertise in this area of documentation
 - ✓ Immigration History Research Center
 - ✓ Minnesota Historical Society
 - ✓ Local community groups
- Challenges CCo Public Domain; Role of the MDL as content creator

Community Engagement/Outreach

- Presentations
- Articles
- Videos
- MDL press room
- Public library engagement



American History at Your Fingertips: The Digital Public Library of America

Published by the University of Minnesota Libraries 23 June 2013

Questions

