

# Integrating Resources for Information Discovery

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Strategic Assessment Workshop  
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# Scenario:

Teacher putting together a lesson plan on immigrant experiences in the first half of the twentieth century

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DISCOVERY SCHOOL'S

**KATHY SCHROCK'S GUIDE FOR EDUCATORS**

HOME EMAIL KATHY ALPHA INDEX SITE MAP SITES OF THE SCHOOL DAYS SEARCH

**SUBJECT ACCESS**  
HISTORY AND SOCIAL STUDIES

American History Sites    General History and Social Studies Sites    World and Ancient History Sites

- [Abraham Lincoln Research Site](#)  
...a compendium of facts and snippets about the life of Abraham Lincoln
- [Academic Info: US History Home Page & Index](#)  
...a well-chosen list of links to support the teaching of American history; arranged by time period
- [Africans in America](#)  
...an online documentary of "America's journey through slavery" including teaching resources
- [America in the 1930's](#)  
...a content-rich site that looks at the 1930's through films, radio, and many other forms of cultural expressions
- [American Civil War Home Page](#)  
...an impressive number of links to Civil War information found on the Internet
- [American Cultural History: The Twentieth Century](#)  
...a fact-filled look at the culture of the 20th century with links to support the research process
- [American Currency Exhibit](#)  
...view American currency by era, historical significance, artistry, and imagery

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Searched the web for **american immigration history**

[U.S.A. IMMIGRATION](#) - Green Cards, Visas, Citizenship, INS forms, and more. visas-usa.org Free Eligibility Tool. Instant access to DV Lottery Database.

[Live, Work and Study in the United States of America - Immigration Information](#) USAIS.org Diversity Visa Lottery Information and Application

[American Family Immigration History Center](#)  
... Inscribe a name on the **American Immigration** Wall of Honor at Ellis Island. Find Out More. ... Only \$45/year. - Create and maintain your Family **History** Scrapbook. ...  
Description: This is the entry to the official Ellis Island website (EllisIsland.org) where passenger arrivals...  
Category: [Society](#) > [Genealogy](#) > [Immigration](#) > [Passenger Lists](#)  
[www.ellisland.org/](#) - 17k - Aug 14, 2003 - [Cached](#) - [Similar pages](#)

[American Family Immigration History Center](#)  
The **American Family Immigration History** Center Located in the Ellis Island **Immigration** Museum and on the World Wide Web, the **American Family Immigration** ...  
[www.ellisland.org/EIinfo/aboutAFIHC.asp](#) - 16k - Aug 14, 2003 - [Cached](#) - [Similar pages](#)  
[ [More results from www.ellisland.org](#) ]

[American Immigration](#)  
Walt Whitman. Introduction: The **American Immigration** Home Page was started as a part of a school project for a 10th grade **American History** Class. ...  
Description: Comprehensive informational resource on **immigration**.  
Category: [Regional](#) > [North America](#) > ... > [Genealogy](#) > [Immigration](#)  
[www.bergen.org/AAST/Projects/Immigration/](#) - 11k - [Cached](#) - [Similar pages](#)

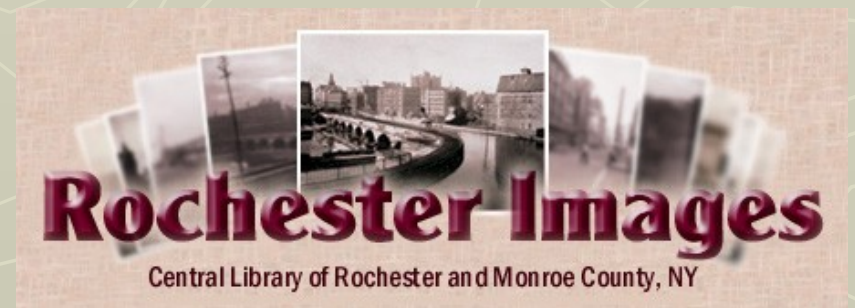
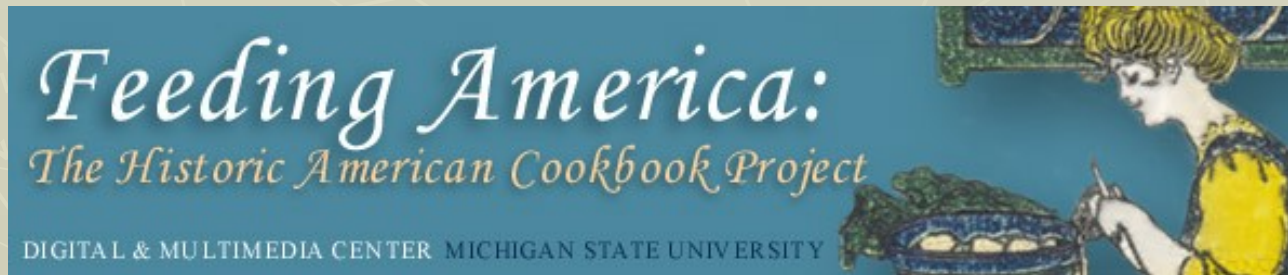
[Immigration History Research Center](#)  
... in 1965, the **Immigration History** Research Center enriches society by preserving and promoting understanding of the **history** of the **American** immigrant experience ...  
[www1.umn.edu/ihrcc/](#) - 11k - Aug 14, 2003 - [Cached](#) - [Similar pages](#)

FAIR - US [Immigration History](#)

# IMLS funded National Leadership Grant projects with relevant content



*The American Missionary Association  
and the Promise of a Multi-cultural  
America: 1839-1954*



# Why Integrate?

- ▶ Basic assumption:
  - Reuse/repurpose is a good thing
- ▶ Building a digital library out of digital collections
  - One stop shopping for the 'hidden web'
  - Services – Curriculum support, exhibits
  - Enabling collaborations among resource developers

# How do we integrate?

- ▶ Share metadata
  - Union Catalogs
  - Z39.50
  - Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH)
- ▶ Collection Description and Registries

# Digital Collections and Content

- ▶ Collection description and registry for National Leadership grant projects with digital content  
(Framework: Collections should be described)
- ▶ Item level metadata repository via OAI-PMH  
(Framework: Metadata should support interoperability)
- ▶ Research question  
How can resource developers best represent collections and items to meet the needs of service providers and end users?

# Similar Projects

## **NSDL**

*Digital library of resource collections and services, organized in support of science education at all levels.  
Collaboration Finder.*



## **NOF-Digitize → EnrichUK**

*Description and aggregation of digitized collections funded by the New Opportunities Fund (lottery)*



## **Minerva Project**

*Creating an agreed European common platform, recommendations and guidelines about digitization, metadata, long-term accessibility and preservation*



# Challenges: Community Differences

- ▶ Knowledge structures – ontologies different
- ▶ Vocabularies and metadata schemas different
- ▶ Perspectives on use and presentation of digital resources different

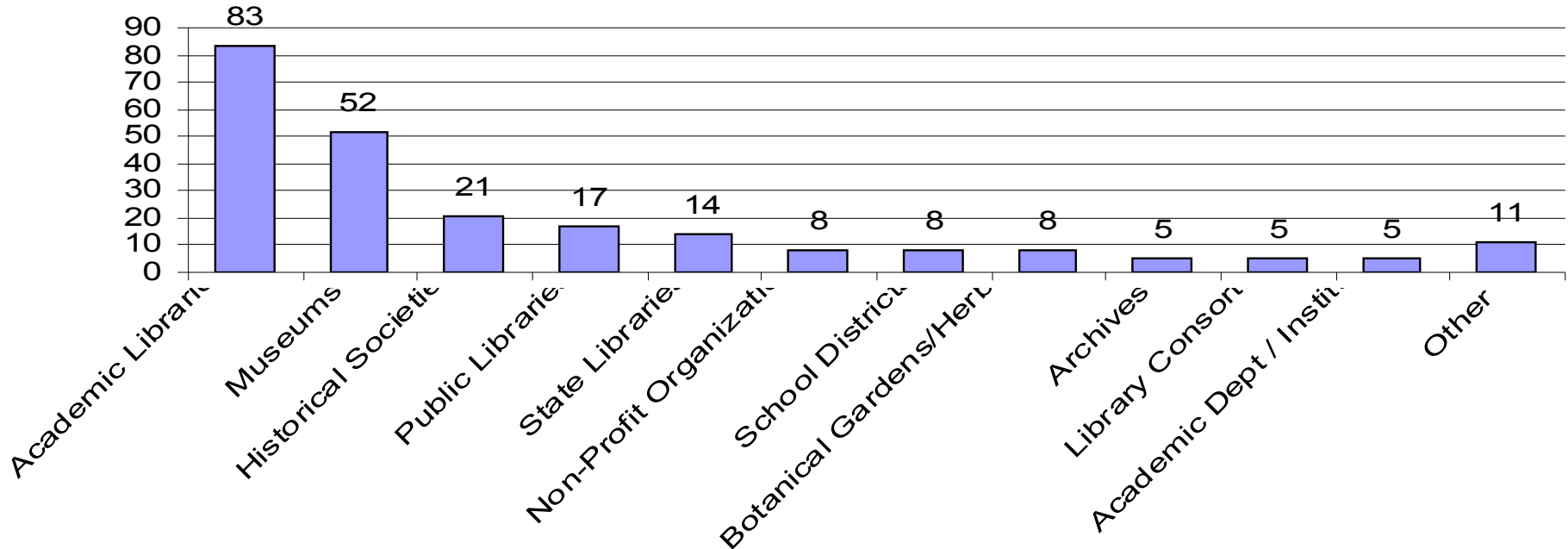
Opportunities?



# Current Environment for IMLS DCC

- ▶ 95 National Leadership Grant Projects
  - 51 collaborations
- ▶ 237 Institutions

**Breakdown of Institutions (237 total)**



# Challenges: Metadata

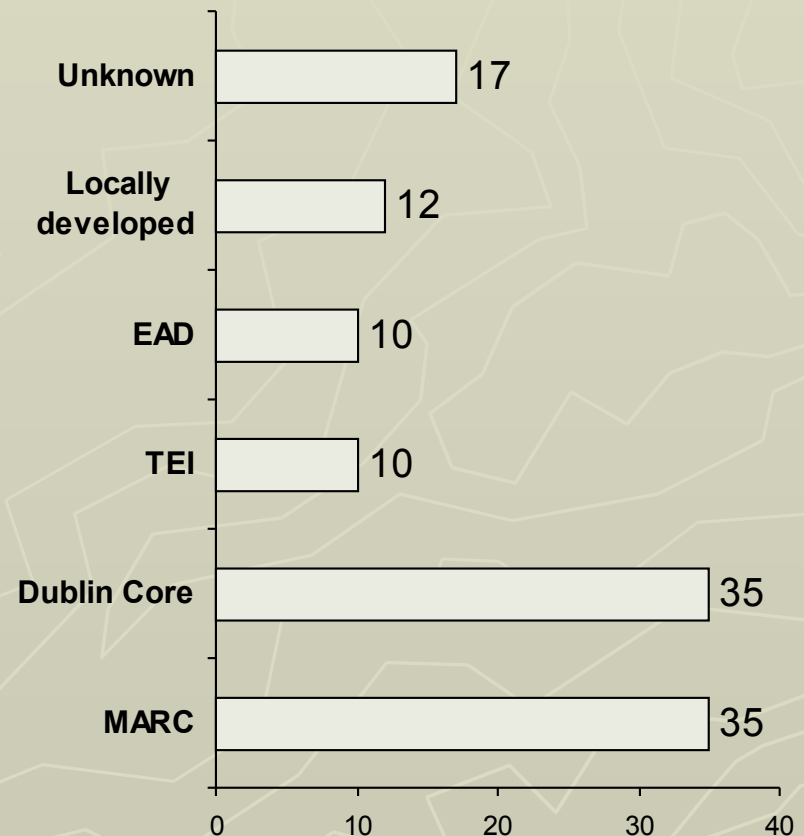
- ▶ Integration of like metadata
  - Standards (and interpretation of) varies
  - Authored for interoperability?
- ▶ Integration of different metadata schemas
  - Simplify for interoperability or retain complexity?

Opportunities?

# Current Environment for IMLS DCC

- ▶ MARC and Dublin Core most common schemas in use
- ▶ 24 projects - multiple schemas
  - 14 of these using Dublin Core in combination with another schema

Metadata Schemas in Use



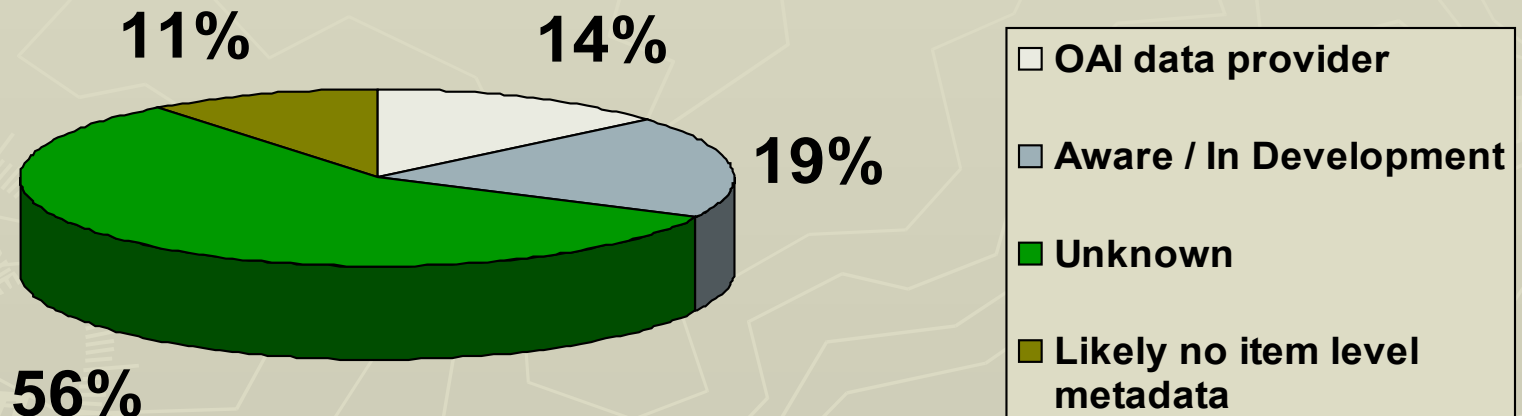
# Challenges: Infrastructure Barriers

- ▶ **Barriers to establishing OAI**
  - Lack of technical resources
  - Concerns over sharing metadata
- ▶ **Still building interoperability tools**
  - Harmonization of ontologies, vocabularies, metadata schemas

Opportunities?

# Current Environment – IMLS DCC

## NLG Projects (95 total) and OAI



# Why integrate?

- ▶ Better visibility/access → content used in different ways → facilitates proving benefits → funding
- ▶ Keeping pace with efforts in the international and scientific communities
- ▶ Incremental step towards building true digital libraries

# Contact Information

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