Establishing Sustainable Workflows for Cataloging and Metadata Services

Myung-Ja (MJ) K. Han
Associate Professor/Metadata Librarian
University of Illinois Urbana-Champaign
mhan3@Illinois.edu
Where are we now?

Cataloging and Metadata
Where are we going?

Cataloging and Metadata
CHANGES

60+ years  Card Catalogs to MARC

40+ years  AACR to RDA

30+ years  MARC21 to MARCXML

10+ years  Semantic web and Linked Data
COLLABORATION
Welcome!

Discover the early modern world of texts and images here!

The Collections

Emblematica Online draws from the most important collections of emblematica worldwide. It is hosted by the University of Illinois at Urbana-Champaign, and its founding partner is the Herzog August Bibliothek, Wolfenbüttel. Contributing partners include Glasgow University Library and Utrecht University, which contributed both book- and emblem-level data. Additional contributors include the Getty Research Institute Library and Duke University Library, both of which contributed book-level information.

Read more

What is an Emblem?

Emblems are concise yet potent combinations of texts and images that invite, and require, decoding. In a concise format, they reveal the mentalities and attitudes of the period from c. 1500-1800 in an assemblage of texts and images. Typically an emblem consists of a motto, an often puzzling image called the pictura, and a subtext called a subscriptio or epigram. Read more
Librarians are 

Supporters.
Librarians are Collaborators and co-creators!
Motto transcription & normalization

SPINE XML metadata for emblems

XHTML page for staff view SPINE metadata

METS navigator for page and emblem
STANDARDS
Linked Data
“Popular search engines can only touch about 10% of the Internet; the remaining 90% are websites that are not indexed currently because most of this data is located in library catalogs in formats that cannot be searched or is guarded in secure areas that cannot be accessed by bots (p. 42). “

2015 Library Edition of the Horizon Report
Publish library data as linked data, and discoverable on the web.

Use available linked data sources for local discovery services.
Additional Information -- Weller, Allen Stuart, 1907-

Gender: unknown
Nationality: unknown
Related Names: University of Illinois (Urbana-Champaign). Press.
University of Illinois (Urbana-Champaign). College of Fine and Applied Arts.
Nordness, Lee, zemf. 1995
La France, Robert G.
Committee on the Centennial of the University of Illinois.
Adams, Henry, 1949-

Additional Links: VIAF Page
WorldCat Identity Page

Permanent URL for this page: http://hdl.handle.net/10111/UIUCOCA:100yearsofcampus00well
Please reference and bookmark using this URL.
Work with Linked Data Source

• Persistent, resolvable URIs at each level of granularity

• Ability to define & identify segments dynamically

• Multi-lingual vocabulary for describing themes, motifs, ...
Iconclass web service

<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:skos="http://www.w3.org/2004/02/skos/core#">
  <rdf:Description rdf:about="http://iconclass.org/25H1124">
    <rdf:type rdf:resource="http://www.w3.org/2004/02/skos/core#Concept"/>
    <skos:prefLabel xml:lang="fr">rocher, pierre</skos:prefLabel>
    <skos:prefLabel xml:lang="en">boulder, stone</skos:prefLabel>
    <skos:prefLabel xml:lang="de">Findling, Stein</skos:prefLabel>
    <skos:prefLabel xml:lang="it">masso, pietra</skos:prefLabel>
    <skos:notation>25H1124</skos:notation>
  </rdf:Description>
</rdf:RDF>
EXPLORATION & RESEARCH
<table>
<thead>
<tr>
<th>Location</th>
<th>Law [non-circulating]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call Number</td>
<td>DOC. Y 1.1/3: Text me this call number</td>
</tr>
<tr>
<td>Copy</td>
<td>2</td>
</tr>
<tr>
<td>Library Has (Volumes)</td>
<td>111-15:2008</td>
</tr>
<tr>
<td>Status</td>
<td>Available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Oak Street Facility [request only]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call Number</td>
<td>324.23 Un3m Text me this call number</td>
</tr>
<tr>
<td>Copy</td>
<td>1</td>
</tr>
<tr>
<td>Library Has (Summary)</td>
<td>1939, 1952-1972</td>
</tr>
<tr>
<td></td>
<td>1939</td>
</tr>
<tr>
<td>Status</td>
<td>Available</td>
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</tbody>
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<tr>
<th>Location</th>
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<tr>
<td>Call Number</td>
<td>324.23 Un3m Text me this call number</td>
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<tr>
<td>Copy</td>
<td>2</td>
</tr>
<tr>
<td>Library Has (Summary)</td>
<td>1952-1972</td>
</tr>
<tr>
<td></td>
<td>1968 c.2 - Missing</td>
</tr>
<tr>
<td>Status</td>
<td>1968 c.2 - Missing</td>
</tr>
</tbody>
</table>
Complex Holdings Data

schema:hasPart [  
a schema:PublicationVolume ;  
schema:volumeNumber "1972" ;  
schema:offers [  
a schema:AggregateOffer ;  
schema:seller <http://id.loc.gov/authorities/names/n79066210> ;  
schema:itemOffered [  
a schema:SomeProducts ;  
schema:offers [  
a schema:Offer ;  
schema:availableAtOrFrom [  
a schema:Place ;  
schema:name "Oak Street Facility [request only]"  
] ;  
schema:itemOffered [  
a schema:IndividualProduct ;  
schema:sku "324.23 Un3m" ;  
schema:serialNumber "30112071980053" ;  
schema:name "Copy Number: 1"  
] ;  
schema:offerCount "2"  
]  
] ]
PROFESSIONAL KNOWLEDGE!
Today we can use metadata to:

• Enumerate and describe our collections, both physical and virtual
• Manage diverse, complex, often multi-part digital and physical resources
• Enable discovery, interoperability, and linking and interactivity at multiple levels of granularity
Metadata provides multiple views of the library resources we curate and their connections to context and other resources.
One role of digital libraries

“The information landscape can be seen as a contour map in which there are mountains, hillocks, valleys, plains and plateaux .... A specialized collection of particular importance is like a sharp peak. Upon a plateau there might be undulations representing strengths and weaknesses .... The landscape is, however, multidimensional. Where one scholar may see a peak another may see a trough. The task is to devise mapping conventions which enable scholars to read the map of the landscape fruitfully, at the appropriate level of generality or specificity.”

Image credit

- Impossible: http://www.shutterstock.com/pic-111393362/stock-photo-changing-the-word-impossible-to-possible.html (Copyright @bahri altay)
- Classroom: http://www.seas.harvard.edu/sites/default/files/21newb_1.jpg
- Resource: http://api.ning.com/files/wvRkYqvAdecZ9hygBxde4Cl-2JEMkK-7-F7rGiCJba9R9L1v-DA5Jm3l7TpGlmw*kIkaFy3E3XVucTBIeFv-J6BKc01SliFY/resource.jpg
- Collaboration: https://redbooth.com/blog/collaborative-problem-solving
- Bridge1: https://www.flickr.com/photos/squeaks2569/3700355684
- Cataloging office: http://www.library.illinois.edu/export/tsd/media/tsd5.png
- Tool box: http://blog.verticalresponse.com/wp-content/uploads/2013/05/Thinkstock_tools2-e1368722465241.jpg
- Linked data: https://glenwoods.files.wordpress.com/2012/03/chain.jpg
- Communication: https://upload.wikimedia.org/wikipedia/commons/f/f7/Social-media-communication.png
- Bridge2: http://feelgrafix.com/data_images/out/3/757563-bridge-wallpaper.jpg