

# Adventures in ETD metadata wrangling:



METADATA WORKFLOWS FOR A  
MASS RETROSPECTIVE  
DISSERTATION & THESIS  
DIGITIZATION PROJECT  
AT THE UNIVERSITY OF  
MASSACHUSETTS AMHERST

MEGHAN BANACH BERGIN

ALA MIDWINTER 2016

# Dissertation and Thesis Digitization Project Workflow



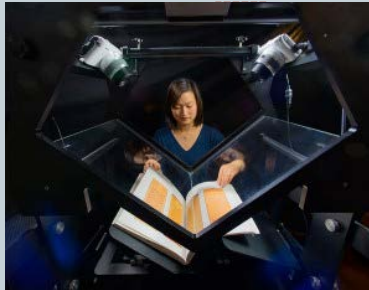
## Pre-scanning steps



# Dissertation and Thesis Digitization Project Workflow



## Scanning and post-scanning steps



# MARC Records



## [LOCATION & AVAILABILITY](#)

|                     |  |
|---------------------|--|
| Title               | <a href="#">Morphological and ecological studies of the Mexican bean beetle [electronic resource].</a>   |
| Author              | <a href="#">Sweetman, Harvey Leroy. 1896-</a>  |
| Publisher           | 1930.  |
| Format              | E-Thesis<br>E-Book   |
| Physical Descrip.   | [iv], 77 p. : ill.   |
| System Details Note | Mode of access: World Wide Web. AUM  |
| Note(s)             | Available online through ScholarWorks@UMass Amherst. AUM   |
| Thesis Note         | Thesis (Ph.D.)--Massachusetts Agricultural College, 1930.  |
| Additional Form     | Print copy also available.   |
| Reproduction Note   | Electronic reproduction. Amherst, Mass. University of Massachusetts Amherst, 2015. Scanned as part of the Retrospective Dissertation/Thesis Digitization Project by the UMass Amherst Libraries. Available in PDF. AUM |
| Subject(s)          | <a href="#">Mexican bean beetle.</a>   |
| Subject(s)          | <a href="#">Theses -- Entomology -- Doctoral.</a>  |
| Related Entry       | Original (OCoLC)14982749   |
| Location(s)         | <a href="#">UM Du Bois Library / UM Internet</a><br><a href="#">LOCATION &amp; AVAILABILITY</a>  |

[Standard view](#) | [MARC View](#)

# Metadata Conversion



# Batch Uploading to IR



bpimport\_20150811T152628\_rev - Microsoft Excel



| 1   | title                                | fulltext_url  | keywords abstract       | author1_f  | author1_i  | author1_i | comment | degree_n | departme             | do                   |
|-----|--------------------------------------|---|-------------------------|------------|------------|-----------|---------|----------|----------------------|----------------------|
| 126 | Fire-resistant polymers containing   | <a href="http://archive.org/download/fireresistantpoli">http://archive.org/download/fireresistantpoli</a> | Fire resistant polymer  | Kenneth A  | Elizy      |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 127 | Solid phase synthesis of graft cop   | <a href="http://archive.org/download/solidphasesynti">http://archive.org/download/solidphasesynti</a>     | Graft copolymers, So    | David W.   | Flanagan   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 128 | Solid and melt state processing of   | <a href="http://archive.org/download/solidmeltstatepr">http://archive.org/download/solidmeltstatepr</a>   | Carbon dioxide, Super   | Manuel A.  | Garcia-Lei |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 129 | Olefin polymerization from single    | <a href="http://archive.org/download/olefinpolymeriz">http://archive.org/download/olefinpolymeriz</a>     | Polymerization, Zieg    | Rajeswar   | Kasi       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 130 | Ultra-thin films of polyvinyl alco   | <a href="http://archive.org/download/untrathinfilms">http://archive.org/download/untrathinfilms</a>       | Aqueous polymeric c     | Mikhail,   | Kozlov     |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 131 | Interactions of chiral biopolymers   | <a href="http://archive.org/download/interactionsfci">http://archive.org/download/interactionsfci</a>     | Biopolymers, Chirali    | Christophe | Stanley    |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 132 | Recycling thermosets :: the use o    | <a href="http://archive.org/download/recyclingtherm">http://archive.org/download/recyclingtherm</a>       | Polymer, Thermosetti    | Drew E.    | Williams   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 133 | Surface chemistry of poly (p-xylyl   | <a href="http://archive.org/download/surfacechemisi">http://archive.org/download/surfacechemisi</a>       | Nylo, Plastic film      | Margarita, | Herrera-Al |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 134 | Preparation of novel amphiphilic     | <a href="http://archive.org/download/preparationofn">http://archive.org/download/preparationofn</a>       | Antibacterial agents,   | I Mehmet   | Fi lker    |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 135 | A single molecule visualization of   | <a href="http://archive.org/download/singlemolecule">http://archive.org/download/singlemolecule</a>       | Diffusion, Visualizatio | Dmytro,    | Nykypancl  |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 136 | Mechanical behavior, modeling, a     | <a href="http://archive.org/download/mechanicalbeh">http://archive.org/download/mechanicalbeh</a>         | Fiber-reinforced plast  | Angelo,    | Pedicini   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 137 | Functionalized quantum dots for d    | <a href="http://archive.org/download/functionalizedq">http://archive.org/download/functionalizedq</a>     | Cadmium, Selenides      | Habib,     | Skaff      |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 138 | Cationic facially amphiphilic phen   | <a href="http://archive.org/download/cationicfacially">http://archive.org/download/cationicfacially</a>   | Biopolymers, Peptide    | Lachelle,  | Arnt       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 139 | Gradient heterogeneous surfaces      | <a href="http://archive.org/download/gradienthetero">http://archive.org/download/gradienthetero</a>       | Cell migration, Polym   | Irene Y.   | Tsai       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 140 | Pressure effects on entropically d   | <a href="http://archive.org/download/pressureeffect">http://archive.org/download/pressureeffect</a>       | Block copolymer, Ph     | Kristopher | Lavery     |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 141 | Kinetics and morphology of electr    | <a href="http://archive.org/download/kineticsmorpho">http://archive.org/download/kineticsmorpho</a>       | Electrohydrodynamic     | Kathryn A  | Leach      |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 142 | Directed self-assembly of nanopa     | <a href="http://archive.org/download/directedselfass">http://archive.org/download/directedselfass</a>     | Liquid-liquid interface | Yao,       | Lin        |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 143 | Monte Carlo, small angle light sca   | <a href="http://archive.org/download/montecarlosma">http://archive.org/download/montecarlosma</a>         | Ligh, PolymerMonte      | Joseph E.  | McNamara   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 144 | Phase diagrams of stoichiometric     | <a href="http://archive.org/download/phasediagrams">http://archive.org/download/phasediagrams</a>         | Polyelectrolyte, Stoi   | Michael J. | Leonard    |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 145 | Towards functional materials from    | <a href="http://archive.org/download/towardsfunction">http://archive.org/download/towardsfunction</a>     | Nanostructured mater    | Waiken K.  | Wong       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 146 | Deformation characteristics of the   | <a href="http://archive.org/download/deformationche">http://archive.org/download/deformationche</a>       | Elastomer, Polystyrer   | Kishore K. | Indukuri   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 147 | Grain growth kinetics in micropha    | <a href="http://archive.org/download/graingrowthkin">http://archive.org/download/graingrowthkin</a>       | Block copolymers, Ne    | Xiaochuan  | Hu         |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 148 | Morphological studies of graft cop   | <a href="http://archive.org/download/morphologicals">http://archive.org/download/morphologicals</a>       | Graft copolymers, Mo    | Engin,     | Burgaz     |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 149 | Nickel salicylaldiminato catalysts f | <a href="http://archive.org/download/nickelsalicyald">http://archive.org/download/nickelsalicyald</a>     | Nickel catalysts, Poly  | Pushkala,  | Krishnamu  |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 150 | A thermal approach to the genera     | <a href="http://archive.org/download/thermalapproac">http://archive.org/download/thermalapproac</a>       | Block copolymer, The    | Julie M.   | Leiston-Be |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 151 | Continuous carbon nanofibers pr      | <a href="http://archive.org/download/continuouscart">http://archive.org/download/continuouscart</a>       | Carbon fibers, Textile  | Sian F.    | Fennesse   |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 152 | Aliphatic polyesters with pendent    | <a href="http://archive.org/download/aliphaticpolyest">http://archive.org/download/aliphaticpolyest</a>   | Aliphatic compounds,    | Bryan K.   | Parrish    |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 153 | I. Composite polymer coatings pr     | <a href="http://archive.org/download/icompositelpe">http://archive.org/download/icompositelpe</a>         | Atomic force micros     | Kevin A.   | Wier       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 154 | Molecular aspects of yield and fra   | <a href="http://archive.org/download/molecularaspe">http://archive.org/download/molecularaspe</a>         | Nanostructured mater    | Kevin J.   | Calzia     |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 155 | Transport polymerization for mate    | <a href="http://archive.org/download/transportpolym">http://archive.org/download/transportpolym</a>       | Cyanoacrylate, Thin     | Zhixiang,  | Lu         |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 156 | Solvent enhanced block copolyme      | <a href="http://archive.org/download/solventenhance">http://archive.org/download/solventenhance</a>       | Block copolymers, Sc    | Matthew J. | Misner     |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 157 | Surface modification by adsorptio    | <a href="http://archive.org/download/surfacemodific">http://archive.org/download/surfacemodific</a>       | Adsorption, Silane co   | Ilke,      | Anac       |           |         |          | University of Massac | Thesis (Ph Polymer S |
| 158 | Catalytic hydrogenation of hetero    | <a href="http://archive.org/download/catalytichydrog">http://archive.org/download/catalytichydrog</a>     | Catalysis, Vinyl polym  | Yoko,      | Aoyama     |           |         |          | University of Massac | Thesis (Ph Polymer S |

# Batch Set Access Controls



# Batch Upload to Digital Commons



 Doctoral Dissertations 1896 - February 2014 

Manage Dissertations Upload Dissertation Usage Reports Configuration Mailing Lists My Account


Dissertations  
Batch upload XML  
Batch upload Excel  
Batch revise Excel  
  
Close ir\_etd  
Preview site  
Update site  
Go to site  
Preferences  
Log out  
  
Administrator report

## Batch Upload

To batch upload content via an Excel Spreadsheet:

1. **Download** spreadsheet for *Doctoral Dissertations 1896 - February 2014*
2. **Complete spreadsheet** - contact [dc-support@bepress.com](mailto:dc-support@bepress.com) or call **510-665-1200 x2** for instructions.
3. **Upload spreadsheet:**

No file selected.

 **Note:** Please verify spreadsheet metadata before uploading - batch submissions are automatically queued for posting.



# Batch Export URLs from Digital Commons

The screenshot shows a web browser window displaying the Digital Commons interface. The browser's address bar shows the URL `scholarworks.umass.edu/cgi/editor.cgi?window=report&context=dissertations_1`. The page title is "Doctoral Dissertations 1896 - February 2014". The interface includes a navigation menu on the left with options like "Dissertations", "Batch upload XML", "Batch upload Excel", "Batch revise Excel", "Close ir\_etd", "Preview site", "Update site", "Go to site", "Preferences", "Log out", and "Administrator report". The main content area is titled "Administrator Report" and contains instructions: "Use this screen to download an administrator report. Choose the fields you want in the report and click 'Report'." Below the instructions, there is a section "Include which dissertations?" with a dropdown menu set to "Posted". A list of fields is shown, each with a checkbox: Manuscript#, Status, Submission date, First Decision Date, Turnaround time, Date posted, Title, URL, Dissertation type, Keywords, Subject area, Administrator, Administrator assigned date, Last event, Date of last event, Full text downloads, and Authors. All checkboxes are checked. A "Report" button is located at the bottom right of the list.

File Edit View History Bookmarks Tools Help

Doctoral Dissertations 189... W.E.B. Du Bois Department...

scholarworks.umass.edu/cgi/editor.cgi?window=report&context=dissertations\_1

USETDA\_Conference\_P... Education and Trainin... Most Visited NDSA NE Regional M... UMail :: Inbox (2657) NDSA NE Regional M... Proper Book Handli...

bepress Doctoral Dissertations 1896 - February 2014 DIGITALCOMMONS

Manage Dissertations Upload Dissertation Usage Reports Configuration Mailing Lists My Account

Dissertations

Batch upload XML

Batch upload Excel

Batch revise Excel

Close ir\_etd

Preview site

Update site

Go to site

Preferences

Log out

Administrator report

Administrator Report

Use this screen to download an administrator report. Choose the fields you want in the report and click 'Report'.

Include which dissertations? Posted

☒ Manuscript#

☒ Status

☒ Submission date

☒ First Decision Date

☒ Turnaround time

☒ Date posted

☒ Title

☒ URL

☒ Dissertation type

☒ Keywords

☒ Subject area

☒ Administrator

☒ Administrator assigned date

☒ Last event

☒ Date of last event

☒ Full text downloads

☒ Authors

Report

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# Batch Add URLs to MARC Records



ALEPH Cataloging - Version 22 Library: FCL01 - Test (FCL01) Server: fcaa.library.umass.edu:6991 User: MBANACH

ALEPH View Cataloging Items Edit Actions Edit Text Record Manager Remote \*Services Help ?

HO System No. 10489118 Morphological and ecological studies of (Sweetman, Harvey Leroy, 1896-) Year: 1930

Barcode

[R] Edit Records  
FCL60-1048911  
FCL01-1463033  
[I] Import Record  
[T] Triggers

FCL01 - 1463033  
OBJECTS (N)  
FCL60  
HOL - U

|                        |            |           |   |
|------------------------|------------|-----------|---|
| <b>Leader</b>          | <b>LDR</b> | ----      | ^^^^^nx^^a22^^^^^1n^4500                            |
| <b>Owner</b>           | <b>OWN</b> | ----      | a UM  |
| <b>Fixed Data</b>      | <b>008</b> | ----      | 1505292p^^^^8^^^1001uueng1000000                    |
| <b>Link</b>            | <b>LKR</b> | ----      | a HOL   |
|                        |            |           | l FCL01   |
|                        |            |           | b 014630330   |
| <b>Location</b>        | <b>852</b> | ----      | b UMDUB   |
|                        |            |           | c UWETD   |
| <b>Elec. Loc. Acc.</b> | <b>856</b> | <b>41</b> | u http://scholarworks.umass.edu/dissertations_1/887 |
|                        |            |           | z Link to free resource                             |

# **PREPARING FOR LINKED DATA IN DIGITAL REPOSITORIES**



**Sai Deng, University of Central Florida Libraries**

# How do digital repositories accommodate authority control?

## CONTENTdm

- Allows **controlled vocabulary** to be defined for each field;
- **Look up and add** terms;
- Need to either **define the controlled list yourself**, or **choose to use a built-in thesaurus** (from OCLC Terminologies Service).

## Dspace

- Fields can be configured to **allow authority control**;
- **Look up and add** terms;
- Need to define the controlled list, **keywords and subjects are not distinguished**, allow LCSH;
- Not linked to national or international authority database for control.

## Digital Commons

- **Discipline thesaurus** functions as broad subjects;
- **Author Merge Tool:** merges various names but names are created based on author/submitter's email, not authority file;
- Allow fields to be defined as **link-friendly**.

Authority Control in Digital Repositories: a step towards a linked data world? A step away from the growing popular keyword search?

# Authority Control in Digital Repositories and Related Linked Data Projects

- Myntti, J. & Cothran, University of Utah collaborated with Backstage Library Works. Authority control in a Digital Repository: Preparing for Linked data. Adapted the process for MARC 21 authority control for digital collections @ CONTENTdm.
- Tarver et al., University of North Texas Libraries: UNT Names (<http://digital2.library.unt.edu/name/>), link to other vocabularies such as VIAF, LC name authority file, Google Scholar author profile, LinkedIn profile.
- Ideally, the systems can accommodate linked data or you have the resources to help you create external linked data and implement data reconciliation. If not, what can be done as a metadata librarian or a cataloging librarian?

# The UCF Libraries' Experiment of Adding Linked Data Fields to Its IR @ Digital Commons

|                           |   |
|---------------------------|---|
| Creator (Linked data)     | Cassanello, Robert (VIAF); Cassanello, Robert (LC)  |
| Contributor (Linked data) | Doran, Glen H. (VIAF); Doran, Glen H. (LC); Milanich, Jerald T. (VIAF); Milanich, Jerald T. (LC); Florida Memory Project (VIAF); Florida Memory Project (LC); <a href="#">Florida. Division of Historical Resources</a> (VIAF); <a href="#">Florida. Division of Historical Resources</a> (LC); <a href="#">Brevard Museum of History and Natural Science (Cocoa, Fla.)</a> (VIAF); <a href="#">Brevard Museum of History and Natural Science (Cocoa, Fla.)</a> (LC)); Orange County (Fla.). Regional History Center (VIAF); Orange County Regional History Center (LC) |
| Collection                | A History of Central Florida: Podcast   |
| Geographic Coverage       | Windover Pond Site (Fla.); Brevard County (Fla.)  |
| Temporal Coverage         | 6000BC-5000BC   |
| Contributor               | Doran, Glen H.; Milanich, Jerald T.; Wentz, Rachel K.; Florida Memory Project; Florida. Division of Historical Resources; Brevard Museum of History and Natural Science (Cocoa, Fla.); Orange County Regional History Center; RICHS of Central Florida  |
| Disciplines               | Archaeological Anthropology   History of Art, Architecture, and Archaeology   Public History   Social History   |
| Description               | In this episode of A History of Central Florida we spoke with Drs. <a href="#">Glen Doran</a> , <a href="#">Jerald Milanich</a> , and <a href="#">Rachel K. Wentz</a> about the <a href="#">Windover Burial Site</a> available in replica form at The <a href="#">Brevard Museum of History and Natural Science</a> .   |

Linked to VIAF or LC name authority uri(s)

## Linked data fields:

- Use Digital Commons memo fields which allow links, e.g., Creator (Linked data), Contributor (Linked data);
- Both VIAF and LC linked data uri(s) are added for the names.

Statement: Subject – Predicate – Object

This podcast – has contributor – [Doran, Glen H.](#)

# The UCF Libraries' Experiment of Adding Linked Data Fields to Its IR @ Digital Commons



**Doran, Glen H.**    



VIAF ID: 20935114 (Personal)  
Permalink: <http://viaf.org/viaf/20935114>  
ISNI: [0000 0000 7142 3781](http://www.isni.org/0000_0000_7142_3781)

**Virtual International Authority File (VIAF):**  
[Doran, Glen H.](#)

**Works**

Show **10** entries

Search:

| Title  | Sources   |
|--|---|
| Archaeological investigations at Naval Live Oaks : studies in spatial patterning and chronology in the gulf coast of Florida |    |
| The stickleaf site, 1976 (a.e.)  |    |
| Windover : multidisciplinary investigations of an early archaic Florida cemetery   |     |
| Windover, 2002:  |    |

Showing 1 to 4 of 4 entries

Previous **1** Next

**Selected Co-authors**

1. Platek, Bruce J. (2)  
2. Milanich, Jerald T. (2)  
3. University of California, Davis (1) 

**Countries of Publication (1)**

**Publication Statistics**

**Selected Publishers (3)**

**About**

**Record Views**

**History of VIAF ID:20935114 (6)**

## Doran, Glen H.

From [Library of Congress Name Authority File](#)

### Details

### Visualization

 **Doran, Glen H.**

**LC Name Authority File:**  
[Doran, Glen H.](#)

### URI(s)

> <http://id.loc.gov/authorities/names/n77017496>

### Instance Of

> [MADS/RDF PersonalName](#)  
> [MADS/RDF Authority](#)  
> [SKOS Concept](#)

### Scheme Membership(s)

> [Library of Congress Name Authority File](#)

### Collection Membership(s)

> [Names Collection - Authorized Headings](#)  
> [LC Names Collection - General Collection](#)

### Exact Matching Concepts from Other Schemes

> <http://viaf.org/viaf/sourceID/LC%7Cn+77017496#skos:Concept>

### Sources

> found: Keller, John Esten. The stickleaf site, 1976 (a.e.) t.p. (Glen H. Doran)  
> found: Windover, 2002: CIP t.p. (Glen H. Doran) data sheet (b. 06-19-50)

### Change Notes

> 1977-12-12: new  
> 2001-09-20: revised

### Alternate Formats

> [RDF/XML \(MADS and SKOS\)](#)  
> [N-Triples \(MADS and SKOS\)](#)

# The UCF Libraries' Experiment of Adding Linked Data Fields to Its IR @ Digital Commons

|                            |   |
|----------------------------|---|
| <b>Title</b>               | Episode 01 Windover Burial Site   |
| <b>Series Producer</b>     | Robert Cassanello, <i>University of Central Florida</i>   |
| <b>Streaming Media</b>     | <a href="https://www.youtube.com/watch?v=-UYVBFHo-As">https://www.youtube.com/watch?v=-UYVBFHo-As</a>   |
| <b>Media Format</b>        | embedly   |
| <b>Title - Alternative</b> | Windover Burial Site  |
| <b>Preferred Title</b>     | A History of Central Florida: Podcast   |
| <b>Keywords</b>            | Archaic Indians; Archaic Florida Indians; Mortuary period; Archaic society; Death; Land; Preparation  |
| <b>Subjects</b>            | Windover Pond Site (Fla.); Paleo-Indians--Funeral--Anthropometry--Florida--Brevard County; Burial--Florida--Brevard County; Brevard County (Fla.)--Prehistoric--Analysis; Bone implements, Prehistoric--Florida--Brevard County; Water-saturated sites (Archeology); Civilization |
| <b>Type</b>                | Video; MovingImage  |

## Keywords and Subjects:

- Separate fields;
- Some subjects have linked data uri(s), some subjects with subdivisions don't have individual uri(s);
- Both are only text fields; possible to add links;
- Digital Commons only display keywords as facets; need to request to add subjects as facets

**Type, geographic coverage, etc.:** can convert to linked data fields.

analysis; Prehistoric tools; Prehistoric bones; Prehistoric fabrics; Archaic in death; Bury ritual; Native Americans; Artifacts; Bury goods

## More possible statements:

**This podcast – has subject – Indians**

**This podcast – has type – MovingImage**

**This podcast – has geographic coverage – Brevard County (Fla.)**



# Cataloging Digital Collections @ CONTENTdm: Adding Linked Data Values/Labels

- **CONTENTdm: Adding linked data values** to some fields for some collections
  - CONTENTdm doesn't "fully" accommodate linked data;
  - **Trying to catalog using linked data values for various fields**, such as: Name, Place, State, Country, subjects... (terms uri(s) not added)
  - Use "Subject" and "Keyword" fields separately;
  - Always **search LC Linked Data services, FAST** and other online thesauri.
- **Non-MARC data in digital repositories can take advantage of controlled vocabularies** used in traditional library catalogs and furthermore, linked data lists;
- Is it deemed good practice for the catalogers to **use linked data values/labels** to prepare for the linked data in digital repositories?

# Some Reflections

## ■ Limitations of Existing Authority Files:

- VIAF, LC Name Authority, Local Authority... (Inadequate)
- When automatic full validation and data reconciliation is not yet built-in to the systems, how much time can be spent checking and adding the linked data values?
- Is it the ideal world: Keywords co-exist with controlled vocabularies, especially linked data lists? (More freedom vs. more control?)

## ■ Reactions to Linked Data

- General initial reaction: Confusion, doubts;
- Support experiments will try and evaluate...

# Some Reflections

## ■ Collaboration and Consensus Building

- Collaboration between Cataloging and Digital Initiatives;
- Collaboration between the library and other university units: The Regional Initiative for Collecting the History, Experiences, and Stories of Central Florida (RICHS), History Department...
- Consensus building, experiments and evaluation

## ■ Possibilities:

- **Name lists in linked data form** (to meet local needs)
  - **Personal Names:** (link to) VIAF; LC authority name; Google Scholar profile; DBpedia; ORCID...
  - **Organizational Names:** (link to) VIAF; LC authority name headings...
  - **Geographic names, places:** (link to) LC authority geographic names; GeoNames...
- **Create linked data from collections:** Create mapping between metadata elements and data model predicates; Implement reconciliation; Build interface for access and displaying of linked data

# References and Readings

Lampert, Cory K. & Southwick, Silvia B. (2013). Transforming CONTENTdm metadata into linked open data. CONTENTdm Virtual Conference, December 2013.

Luyten, Bram. ORCID for DSpace (2014). <http://www.slideshare.net/bramluyten/orcid-identifiers-for-dspace>

Myntti, J. & Cothran N. (2013). Authority Control in a Digital Repository: Preparing for Linked Data. *Journal of Library Metadata*. Volume 13, Issue 2-3, 2013.

Tarver, H., Waugh, L., Philips, M. & Hicks W. (2013). Implementing name authority control into institutional repositories: A staged approach. UNT Digital Library. <http://digital.library.unt.edu/ark:/67531/metadc172365/>.

University of Central Florida Libraries (2015). STARS: Showcase of Text, Archives, Research & Scholarship. <https://library.ucf.edu/find/stars-digital-repository/>

**Cover background photo:** WorldCat Works linked data

# Thank you!

Contact: Sai Deng, Metadata Librarian, [sai.deng@ucf.edu](mailto:sai.deng@ucf.edu)

## Acknowledgements:

- Lee Dotson, Digital Initiatives Librarian, [Lee.Dotson@ucf.edu](mailto:Lee.Dotson@ucf.edu)
- Peter Spyers-Duran, Cataloging Librarian, [Peter.Spyers-Duran@ucf.edu](mailto:Peter.Spyers-Duran@ucf.edu)
- Jeanne Piascik, Principal Cataloger, [Jeanne.Piascik@ucf.edu](mailto:Jeanne.Piascik@ucf.edu)
- Mary Page, Associate Director, Collections & Technical Services, [Mary.Page@ucf.edu](mailto:Mary.Page@ucf.edu)

# Technical Services librarian as a project manager

Nastia Guimaraes

Project Management Librarian

*University of Notre Dame*

*Presented at the ALA Midwinter meeting of ACRL Technical Services IG in Boston, MA, on January 9, 2016*

# Hesburgh Libraries at the University of Notre Dame

- Over 8,000 undergraduates; 3,500 graduate students
- ARL library
- 60 faculty (librarians) and 136 staff
- Major reorganization in 2012; additional reorg in the fall of 2015
- Abundance and variety of projects

# Formation of the virtual Project Management Office (PMO)

- One staff project manager hired in 2014
- Technical Services Librarian moved into PM role full time in October, 2015
- Two more staff project managers joined the PMO shortly after
- PMO sponsor: AUL for Digital Access, Resources and Information Technology Division



# Examples of projects PMO has been managing

- Coordination of developers' efforts working on new databases and online tools' creation
- Vendor digitization projects
- Off-site storage transfer project
- Collaboration between the Libraries and ND Press to digitize backlist print publications
- Resource processing backlog inventory

# Tools for tracking projects and presenting data

- Started out by using a Google Sheet
- In the fall, 2015 adapted JIRA to present high level overview of all projects and their completion progress
- Weekly PMO meetings with project updates

# Benefits of having a TS librarian in PMO

- Knows library business from inside out
- Speaks the same language as other librarians
- Represents professional colleagues during PMO meetings
- Provides much needed PR on behalf of PMO to its constituents (trust factor)

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**THANK YOU!**



ALA Midwinter 2016

ACRL Technical Services Interest Group Lightning Round

# The Value of Soft Skills in Technical Services

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# What Are Soft Skills?

Soft Skills are sometimes called people skills or Emotional IQ. But really, it is more than that.

Monster.com says these are the top 6 Soft Skills sought by employers:

- Communicating
- Teamwork and collaboration
- Adaptability
- Problem solving
- Critical observation
- Conflict resolution

**We are in Technical Services, why do we need Soft Skills?**


<http://career-advice.monster.com/career-development/getting-promoted/six-soft-skills-everyone-needs-hot-jobs/article.aspx>



# Collection Management Unit (a.k.a. Technical Services) at Muhlenberg College

- ▶ Five Staff Members:
  - ▶ Head of Collection Management and Serials and Electronic Resources Librarian
  - ▶ Cataloging and Metadata Librarian (non-serial and Special Collections)
  - ▶ Acquisitions and Budget Manager
  - ▶ Government Documents Assistant
  - ▶ Technical Services Assistant (half-time; serials processing and inventory management)

**In 2013, everyone gets along wonderfully. We used the Innovative Millennium ILS. Each person handled her core responsibilities separately from one another. Procedures were well-established & *stable*. Limited need for Soft Skills.**



# 2013: Steering Committee Begins Process of Exploration to Select a New ILS (or LSP)

Decision 1: We definitely want something next generation – a Library Services Platform (LSP)!

Decision 2: As part of the process, we also want to :

- ▶ Set goals for change
- ▶ Actively engage all staff in selection
- ▶ Have each person evaluate the candidate systems for his/her area of expertise.





# What is an LSP?


## Phrases Used to Describe WMS

- ▶ WMS enables:
  - ▶ **Sharing** of data and **work across** many member libraries
  - ▶ **Improved** workflows and a **drastic** reduction in the time it takes to perform routine tasks
  - ▶ Ability to deliver **new value** to users
  - ▶ Libraries...have also been able to **reallocate** full-time staff to undertake **new initiatives**

From: <https://www.oclc.org/worldshare-management-services.en.html>



# We Need a Unit that Can Work as a Team In an Integrated, Agile Environment

- ▶ We need Soft Skills:
    - ▶ Communicating
    - ▶ Teamwork and collaboration
    - ▶ Adaptability
    - ▶ Problem solving
    - ▶ Critical observation
    - ▶ Conflict resolution
  - ▶ Some tactics used to build Soft Skills →
- 



# Identify Our Why

We Know How and What We Do. But it's really about the Why.

- ▶ The value we provide through our jobs will not change with a new system.
- ▶ We are all working toward the same goals.
- ▶ We need to find our why and put it within a context that is shared by others: Institutional and library Mission/Vision/Values; user experience
- ▶ Getting there:
  - ▶ List what we do – our services
  - ▶ Through discussion, identify value/purpose of each service
  - ▶ Connect each service to institutional/library Mission/Vision/Values and/or the user experience
  - ▶ If we can't make a connection, maybe we shouldn't be doing it.

A good source for more on "Why":  
Simon Sinek, TED talk or his book *Start with Why*



# Role Playing

- ▶ Role play to personally connect with Why and to understand the user experience.

Exercise:

- ▶ Each staff member in the unit was given four questions from a user experience study done the previous year.
- ▶ Directed to spend 15 minutes trying to find the answers to the questions without assistance or collaboration.  
**No pressure to finish.**
- ▶ Discuss the experience
- ▶ Discuss responsibility to our users



# Immersion Sharing

Unit staff meetings are a perfect place to practice communication and sharing:

- Set the tone – establish a judgement-free zone
- Ask about problems encountered (also can reveal things that need attention)
- Encourage staff to share new skills learned and discoveries made
- This can also be done in the context of training sessions

**Take it further by breaking things down and discussing in terms of their purpose rather than just as a process.**



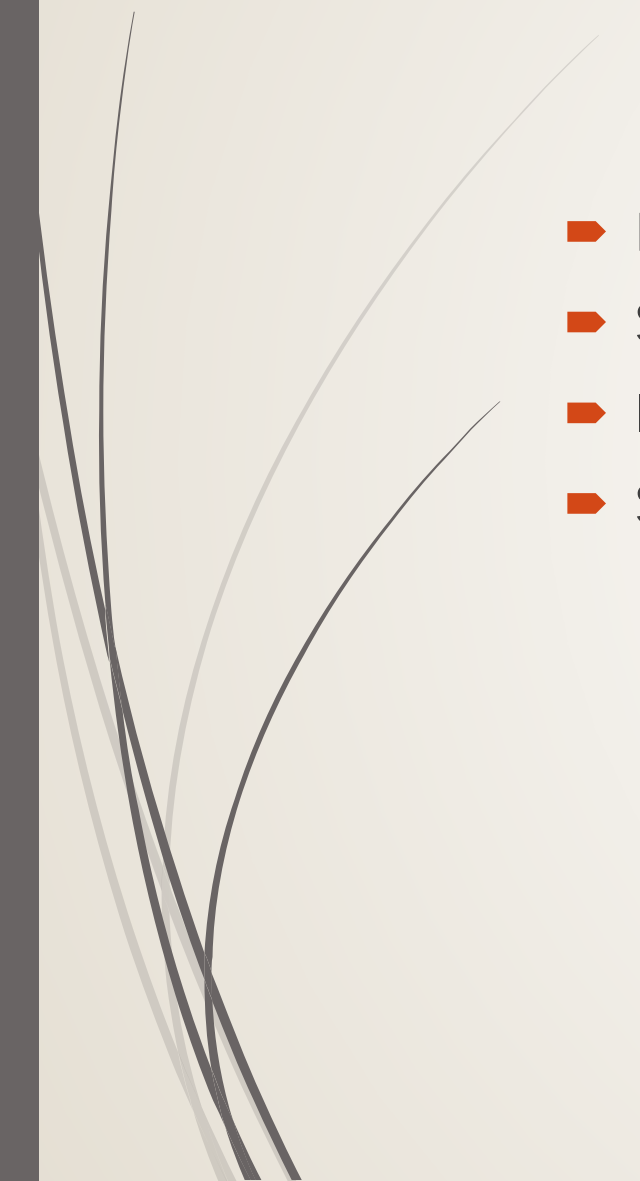
# Coaching



- ▶ Workflow Development – Delegate & Empower, Don't Abandon
  - ▶ As problems arise or roadblocks come up, ask questions to help clarify the issues that need to be addressed.
  - ▶ Reinforce that they have expertise relevant to the situation at hand.
  - ▶ If you are aware of other staff who can assist, recommend consultation with them.
- ▶ Stress and Decision-Making
  - ▶ Projects requiring collaboration with people who have different perspectives can be stressful and confusing. Checking on progress creates opportunities for consultation and support.
  - ▶ Identify follow up and clarify or restate project goals as needed.
  - ▶ Keep the door open. They will come in to talk.



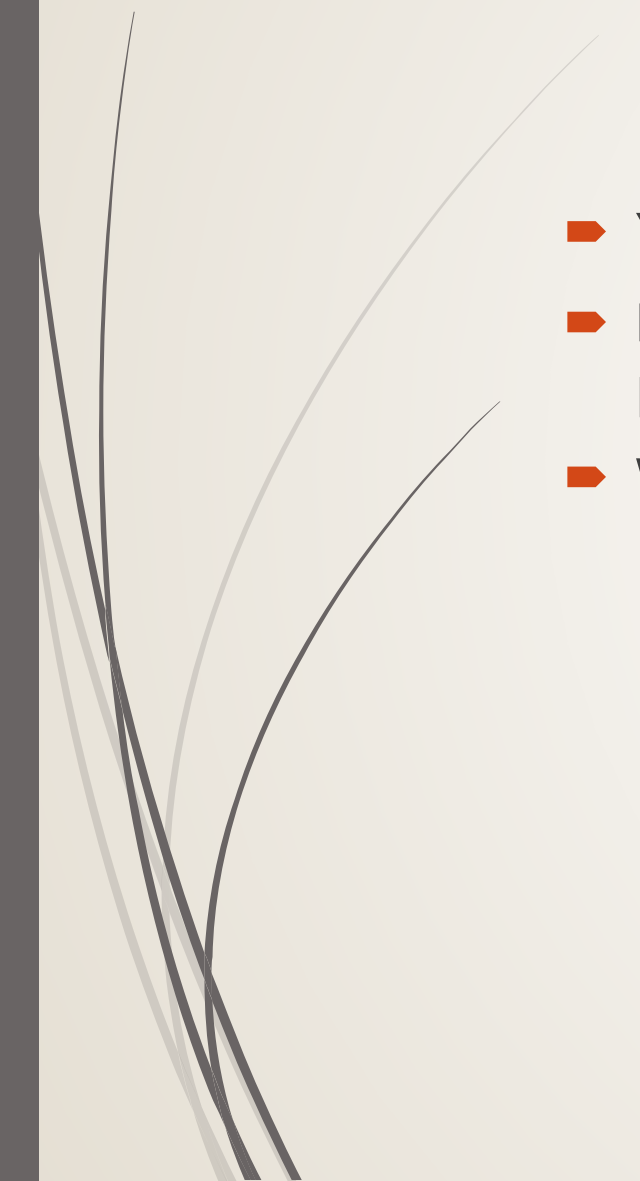
# Celebrate Successes

- Have staff talk about successes big and small
  - Share what it took to get it done
  - Identify what was learned
  - Spell out the value of what was accomplished
- 





# Have These Techniques Worked?

- ▶ Yes!
  - ▶ Results: spontaneous collaboration, new ideas, recognition of problems or need to consult, and more.
  - ▶ We still get along wonderfully.
- 





# Questions?

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