



# Metadata Maker: A Metadata Creation Tool

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# Presentation Overview

- UIUC Library Resources
- Need for *MetadataMaker*
- Use Cases
- About the System
- System Testing and Lessons Learned
- Future Improvements

# UIUC Library Resources

## Libraries

- 27 individual libraries
- International & Area Studies Library
  - Includes Global Studies & 9 area studies collections

## Resources

- 13+ million volumes
- Added in 2013:
  - 263,236 new items
  - 58,782 non-English language titles
    - 184 languages
    - 7,571 original records

# Need for MetadataMaker

- Backlogs & gift collections
- Expanding area studies profiles to include more geographic areas & languages
- Staffing gap filled by hourly staff

*Can we provide a tool to create high-quality\* metadata for materials requiring original cataloging and reduce training time?*

# Use Cases

## MARC

Materials needing original MARC-based cataloging with minimal-level records

Projects requiring conversion to  
other metadata schemas

# Use Cases

MARCXML

# Use Cases

MODS

Born-digital materials (e.g., theses and dissertations)

Preservation metadata

# Use Cases

HTML with  
Schema.org

Linked Data capabilities

Search Engine Optimization for  
bibliographic records



# About the System

Metadata Maker

Title\* Insert Diacritics ? Subtitle Insert Diacritics ?  
Unlisted ☐

ISBN Unlisted ☐

Edition statement Unlisted ☐

Language\* Unlisted ☐

Author Insert Diacritics ? Insert Diacritics ?  
Family Name Unlisted ☐ Given Name Unlisted ☐ +

Name of publisher Insert Diacritics ?  
Unlisted ☐

Place of publication Insert Diacritics ?  
Unlisted ☐

Country/State/Province of publication Unlisted ☐

Date of publication Unlisted ☐ Copyright date Unlisted ☐

Number of pages Unpagged ☐

Dimensions\* cm ?

Is this item literature?  
☐ Yes ☐ No

Does the item include illustrations?  
☐ Yes ☐ No

Keywords\* Unlisted ☐ +

Notes to the Cataloger

Save as record Unlisted ☐ .[file type]

Choose record formats:  
☐ MARC  
☐ MARCXML  
☐ MODS  
☐ HTML

Make

\* Required Field

## Technical Specifications

- HTML
- CSS
- Javascript

# About the System

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Save as: record .[file type]

Choose record formats:  
☐ MARC  
☐ MARCXML  
☐ MODS  
☐ HTML

Make Clear

\* Required Field

## Defining the Elements

- MARC/MARCXML
- MODS
- Schema.org

# Field Mappings

| MM Field               | MARC       | MODS   | Schema.org                   |
|------------------------|------------|--|------------------------------|
| Title                  | 245 1? \$a | <titleInfo><br><title>   | name (Thing)                 |
| Subtitle               | 245 1? \$b | <titleInfo><br><subTitle>                                      | name (Thing)                 |
| ISBN                   | 020 ## \$a | <identifier type="isbn">                                       | isbn (Book)                  |
| Edition statement      | 250 ## \$a | <originInfo><br><edition>                                      |                              |
| Language               | 008/35-37  | <language><br><languageTerm type="code"<br>authority="??">     | inLanguage<br>(CreativeWork) |
| Author                 | 100 10 \$a | <name type="personal">   | author                       |
| Name of publisher      | 264 #1 \$b | <originInfo><br><publisher>                                    | publisher<br>(CreativeWork)  |
| Place of publication   | 264 #1 \$a | <originInfo><br><place type="text">                            |                              |
| Country of publication | 008/15-17  | <originInfo><br><place type="code"<br>authority="marccountry"> |                              |

# Field Mappings (continued)

| MM Field                                | MARC                              | MODS                              | Schema.org                      |
|---|-----------------------------------|-----------------------------------|---------------------------------|
| Date of publication                     | 008/06<br>008/07-10<br>264 #1 \$c | <originInfo><br><dateIssued>      | datePublished<br>(CreativeWork) |
| Copyright date                          | 008/06<br>008/11-14<br>264 #4 \$c | <originInfo><br><copyrightDate>   | copyrightYear<br>(CreativeWork) |
| Number of pages<br>(volumes)            | 300 ## \$a                        | <physicalDescription><br><extent> | numberOfPages<br>(Book)         |
| Dimensions                              | 300 ## \$c                        | <physicalDescription><br><extent> |                                 |
| Is this item literature?                | 008/33                            | <genre>                           | genre<br>(CreativeWork)         |
| Does the item include<br>illustrations? | 008/18<br>300 ## \$b              | <physicalDescription><br><note>   |                                 |
| Keywords                                | 653 ## \$a                        | <subject><br><topic>              | keywords<br>(CreativeWork)      |

# Field Mappings (continued)

| System-supplied fields      | MARC                          |                                  |
|-----------------------------|-------------------------------|----------------------------------|
| Type                        | Leader/06                     | a                                |
| Bibliographic Level         | Leader/07                     | m                                |
| Encoding Level              | Leader/17                     | K                                |
| Conference Publication      | 008/29                        | 0                                |
| Festschrift                 | 008/30                        | 0                                |
| Index                       | 008/31                        | 0                                |
| Descriptive Cataloging Form | Leader/18                     | i                                |
| Cataloging Source           | 008/39<br>040 ## \$a, b, e, c | d<br>\$aUIU \$beng \$erda \$cUIU |
| Content Type                | 336 ## \$a, b, 2              | \$atext \$btxt \$2rdacontent     |
| Media Type                  | 337 ## \$a, b, 2              | \$aunmediated \$bn \$2rdamedia   |
| Carrier Type                | 338 ## \$a, b, 2              | \$avolume \$bnc \$2rdacarrier    |

# Metadata Maker

Title\*

Insert Diacritics

?

Subtitle

Insert Diacritics

?

Unlisted ☐

ISBN

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Unlisted ☐

Edition statement

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Language\*

Author

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Unlisted ☐

Place of publication

Insert Diacritics

?

Unlisted ☐

Country/State/Province of publication

?

Unlisted ☐



Date of publication

?

Unlisted ☐

Copyright date

?

Unlisted ☐

Number of pages

?

Unpaged ☐

Dimensions\*

cm ?

Is this item literature?

☐ Yes ☐ No

Does the item include illustrations?

☐ Yes ☐ No

Keywords\*

?

Notes to the Cataloger

Save as  .[file type]

Choose record formats:

☐ MARC

☐ MARCXML

☐ MODS

☐ HTML

\* Required field

# Testing

## Initial Issues

- Additional elements
- Non-filing indicators?
- Character sets in OCLC Connexion



# Testing

## Phase 1 Parameters and Process

After the system was stable:

- 6 testers with varying cataloging experience
- Monographs in various languages
- Produced records in all formats

MARC record workflow:

- Records uploaded to OCLC Connexion:
  - Reviewed for accuracy
  - Subject headings & classification assigned based on user-provided keywords
  - Added to OCLC, exported to local catalog & followed normal processing

# Testing

## System Issues

- Coding errors
- Name always maps to “author”
- No support for diacritic entry
- Need for [... not identified] for publication information
- Date complexities in field 264 and fixed fields
- Need to account for unpaginated materials

# Testing

## Training Issues

- Preferred source of information
  - Titles
  - Publication information
- Copyright vs publication dates
- Implied publication information?
- Page numbers and dimensions
- Keywords
- Types of notes
  - Other titles
  - Series
  - Additional languages

## Future Improvements

- Drop-down menus to select roles
- Check boxes for bibliographies & indexes
- Non-filing indicators
- Support for Non-Roman scripts and Romanized Fields
- Support for API services
  - FAST subject headings
  - VIAF name matching

# Thank You!

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MetadataMaker GitHub:

<https://github.com/dkudeki/metadata-maker>

MetadataMaker Website:

<http://iisdev1.library.illinois.edu/marcmaker/>

