

Metadata Maker for BIBFRAME

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This Presentation - Metadata Maker

- What is it?
- Why does it matter?
- How does it support BIBFRAME data creation?
- What comes next?

What Is It?

Metadata Maker, Its History

- Developed in 2015 with support from the Library's Innovation Grant
- Designed to address:
 - Hiring challenges
 - Access and permissions management
 - Training needs
 - Changes in the nature of the Library's physical collections

Insert ▼ Metadata Maker for Monographs ▼ Creating record at: University of Illinois at Urbana-Champaign

Title^{*} Insert Diacritics ?
Unlisted ☐

Subtitle Insert Diacritics ?
Unlisted ☐

ISBN ?
Unlisted ☐

Edition statement Insert Diacritics ?
Unlisted ☐

Language^{*} ▼

Names

Personal

Person 1

Name Insert Diacritics Role
Given Name Family Name author ▼ ? +
Unlisted ☐

Name of publisher Insert Diacritics ?
Unlisted ☐

Place of publication Insert Diacritics ?
Unlisted ☐

Country/State/Province of publication ▼ ?
Unlisted ☐

Date of publication ? Copyright date ?
Unlisted ☐ Unlisted ☐

Number of pages ▼ ?

Dimensions^{*} cm ?

Is this item literature?^{*}
☐ Yes ☐ No

Does the item include illustrations?^{*}
☐ Yes ☐ No

Does this item include bibliographies?^{*}
☐ Yes ☐ No

Keywords^{*} ? +

Notes to the Cataloger

Save as record [file type]

Choose record formats:
☐ MARC
☐ MARCXML
☐ MODS
☐ BIBFRAME
☐ BIBFRAME (Alma)
☐ HTML

Make Clear

^{*} Required field

Modules and Functions

- Currently available in nine modules
- Supports diacritics
- Supports transliteration
- Provides dropdown menus
- Supports autofill
- Searches authority files (2023)
- Adds URIs for selected values
- Adds default values to output metadata, eliminating repetitive data entry
- Creates metadata in multiple formats, including BIBFRAME

The image displays a collage of software interface elements. At the top, a dropdown menu lists 'Monographs', 'Data Sets', 'E-Books', and 'Government Documents'. Below this, a 'Title*' field contains the Korean text '한국인' (Han-guk-in), with an 'Insert Diacritics' button and a question mark icon. A 'Transliterated title' field is also visible. In the background, a 'Language*' dropdown menu is open, showing a list of languages including 'Afroasiatic' and 'Ainu'. Another window shows a 'Names' section with a 'Personal' tab, a 'Name' field containing 'Young', and a 'Save as' field with 'record' and a '[file type]' placeholder. Below this, a 'Choose record formats:' section lists several options with checkboxes: MARC, MARCXML, MODS, BIBFRAME, BIBFRAME (Alma), and HTML. At the bottom of this window are 'Make' and 'Clear' buttons.

Why Does It *Still* Matter?

The Challenges Remain, and Have Grown

- Hiring freezes and staffing constraints
- Language and subject expertise needs may not justify full-time positions
- Training in systems (OCLC and LSPs), cataloging rules, and metadata standards remains essential
- Managing system access and permissions remains challenging
- Increasing acquisition of special collections materials in less commonly supported languages

We still need a tool that enables staff with language and subject expertise, but without extensive cataloging training, to create BIBFRAME data for resources.

**How Does It Support BIBFRAME
Data Creation?**

BIBFRAME Output

- BIBFRAME output was added in 2019 based on BIBFRAME 1.0
- Mapping has now been updated to 2.8
- Adds default values
- Modules with BIBFRAME output:
 - Monographs
 - Monographs LD
 - Datasets
 - E-Books

```
<bf:media>
  <bf:Media rdf:about="http://id.loc.gov/vocabulary/mediaTypes/n">
    <rdfs:label>unmediated</rdfs:label>
    <bf:code>n</bf:code>
  </bf:Media>
</bf:media>
----

<bf:note>
  <bf:Note>
    <rdf:type
rdf:resource="http://id.loc.gov/vocabulary/mnotetype/biblio"/>
    <rdfs:label>Includes bibliographical references and index.
    </rdfs:label>
  </bf:Note>
</bf:note>
```

```
<bf:Work rdf:about="http://example.org/e37f87df-c811-4d78-86b8-04b4c4879687#Work">
  <bf:adminMetadata/>
  <bf:title>
    <bf:Title>
      <bf:mainTitle>Bong Joon-ho</bf:mainTitle>
      <bf:subtitle>dissident cinema</bf:subtitle>
    </bf:Title>
  </bf:title>
  <bf:language>
    <bf:Language rdf:about="http://id.loc.gov/vocabulary/languages/eng"/>
  </bf:language>
  <bf:contribution>
    <bf:Contribution>
      <rdf:type rdf:resource="http://id.loc.gov/ontologies/bflc/PrimaryContribution"/>
      <bf:agent>
        <bf:Agent>
          <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Person"/>
          <rdfs:label>Han, Karen</rdfs:label></bf:Agent>
        </bf:agent>
        <bf:role>
          <bf:Role rdf:about="http://id.loc.gov/vocabulary/relators/aut">
            <rdfs:label>author</rdfs:label>
            <bf:code>aut</bf:code></bf:Role>
          </bf:role>
        </bf:Contribution>
      </bf:contribution>
      <bf:subject>
        <bf:Topic rdf:about="http://id.worldcat.org/fast/fst01027225">
          <rdf:type rdf:resource="http://www.loc.gov/mads/rdf/v1#Topic"/>
          <rdfs:label>Motion picture producers and directors</rdfs:label>
          <bf:source>
            <bf:Source rdf:about="http://id.loc.gov/vocabulary/identifiers/fast">
              <bf:code>fast</bf:code></bf:Source>
            </bf:source>
          </bf:Topic>
        </bf:subject>
      <bf:note>
        <bf:Note><rdf:type rdf:resource="http://id.loc.gov/vocabulary/mnotetype/biblio"/><rdfs:label>Includes bibliographical references and
index.</rdfs:label></bf:Note>
      </bf:note>
      <bf:hasInstance
        rdf:resource="http://example.org/e37f87df-c811-4d78-86b8-04b4c4879687#Instance"/>
      </bf:Work>
```

```
<bf:Instance rdf:about="http://example.org/e37f87df-c811-4d78-86b8-04b4c4879687#Instance">
  <bf:title>
    <bf>Title> ... </bf>Title>
  </bf:title>
  <bf:identifiedBy>
    <bf:Isbn><rdf:value>9781419758126</rdf:value></bf:Isbn>
  </bf:identifiedBy>
  <bf:provisionActivity>
    <bf:ProvisionActivity>
      <rdf:type rdf:resource="http://id.loc.gov/ontologies/bibframe/Publication"/>
      <bf:date rdf:datatype="http://id.loc.gov/datatypes/edtf">2022</bf:date>
      <bf:place>
        <bf:Place><rdfs:label>New York, NY</rdfs:label></bf:Place></bf:place>
        <bf:place>
          <bf:Place rdf:about="http://id.loc.gov/vocabulary/countries/nyu"><rdfs:label xml:lang="en">New York
(State)</rdfs:label></bf:Place>
        </bf:place>
      <bf:agent>
        <bf:Agent><rdfs:label>Abrams</rdfs:label></bf:Agent>
      </bf:agent>
    </bf:ProvisionActivity>
  </bf:provisionActivity>
  <bf:copyrightDate rdf:datatype="http://id.loc.gov/datatypes/edtf">2022</bf:copyrightDate>
  <bf:dimensions>29 x 24 cm</bf:dimensions>
  <bf:extent>
    <bf:Extent><rdfs:label>271 pages</rdfs:label></bf:Extent>
  </bf:extent>
  <bf:illustrativeContent><bf:Illustration rdf:about="http://id.loc.gov/vocabulary/millus/ill"/>
  </bf:illustrativeContent>
  <bf:media>
    <bf:Media rdf:about="http://id.loc.gov/vocabulary/mediaTypes/n"><rdfs:label>unmediated</rdfs:label><bf:code>n</bf:code></bf:Media>
  </bf:media>
  <bf:carrier>
    <bf:Carrier rdf:about="http://id.loc.gov/vocabulary/carriers/nc"><rdfs:label>volume</rdfs:label><bf:code>nc</bf:code>
    </bf:Carrier>
  </bf:carrier>
  <bf:issuance>
    <bf:Issuance rdf:about="http://id.loc.gov/vocabulary/issuance/mono"><rdfs:label>single unit</rdfs:label>
    <bf:code>mono</bf:code>
  </bf:Issuance>
</bf:issuance>
  <bf:instanceOf rdf:resource="http://example.org/e37f87df-c811-4d78-86b8-04b4c4879687#Work"/>
</bf:Instance>
```

BIBFRAME Alma Output Option

- BIBFRAME Work and Instance with Alma-Specific Header and Footer

```
<?xml version="1.0" encoding="UTF-8"?>
<bib>
  <record_format>lcbf_work</record_format>
  <record>
    <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
      xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
      xmlns:bf="http://id.loc.gov/ontologies/bibframe/"
      xmlns:bflc="http://id.loc.gov/ontologies/bflc/"
      xmlns:madsrdf="http://www.loc.gov/mads/rdf/v1#">
      <bf:Work rdf:about="http://example.org/6b31c849-5c10-403c-b250-b647c68b79f0#Work">
        <bf:adminMetadata>
          ---
          </bf:adminMetadata>
          <bf:title>
            <bf:Title>
              <bf:mainTitle>한국인</bf:mainTitle>
            </bf:Title>
            ----
          </bf:title>
        </bf:Work>
      </rdf:RDF>
    </record>
  </bib>
```

BIBFRAME Work Data Ingested in Alma

View Work

Edit Record

Linked Data

Add Instances To Collec...

View Instances

Delete Work

Summary

General Information

Work Record

Names (1)

Instances (1)

⚡ Quick Access

Bong Joon-ho : dissident cinema

By Han, Karen

MMS ID 971024290621002917

General Information

Material Type Book

Creation Date 08/24/2026 02:18:39 PM

Modification Date 08/24/2026 02:18:39 PM

Originating System 01CALS_SDL

Originating System ID 971024290621002917

Language English

Brief Level 01

Record Format LC_BF_WORK

Summary

General Information

Work Record

Names (1)

Instances (1)

Quick Access

Work Record

View modeTree

Expand All

record

rdf:RDF

bf:Work

rdf:abouthttp://example.org/07a967bf-a48c-43a1-b849-251d625a96ba#Work

bf:title

bf:languagehttp://id.loc.gov/vocabulary/languages/eng

bf:contribution

bf:subjectMotion picture producers and directors

bf:subjectPong, Chun-ho, 1969-

bf:noteIncludes bibliographical references and index.

bf:hasInstancehttp://example.org/07a967bf-a48c-43a1-b849-251d625a96ba#Instance

bf:adminMetadata

bf:adminMetadata

owl:sameAshttps://na03.alma.exlibrisgroup.com/bf/works/971024290621002917?institute=01CALSDSL

xmlns:bfhttp://id.loc.gov/ontologies/bibframe/

xmlns:bflichttp://id.loc.gov/ontologies/bflic/

xmlns:madsrdfhttp://www.loc.gov/mads/rdf/v1#

xmlns:owlhttp://www.w3.org/2002/07/owl#

xmlns:rdfhttp://www.w3.org/1999/02/22-rdf-syntax-ns#

xmlns:rdfshttp://www.w3.org/2000/01/rdf-schema#

BIBFRAME Data in Alma

Names (1 - 1 of 1)

1Han, Karen

Search Heading

Search Agent

Instances (1 - 1 of 1)

Sort by: Rank

1Bong Joon-ho : dissident cinema

MMS ID 991024290620902917

PResource Type Book - Physical

ISBN 9781419758126

Publication Info New York, NY New York

(State) Abrams 2022

View full Instances list

Generate new search

Some Challenges

- Migrating contributor name autocomplete from using OCLC API as a source to Wikidata
- Rebuilding BIBFRAME generation code from scratch
- Refactoring the frontend structure to improve modularity and semantic structure
- Deploying changes across different versions
- Updating the code base to make it more reusable and reduce repetition

What Comes Next?

Some Questions

- Are our LSPs ready for BIBFRAME?
 - What will the workflows look like?
- How will BIBFRAME data be updated and shared?
- BIBFRAME has multiple implementations, flavors, and application profiles. How will this affect the shared cataloging environment?
- What are the implications of BIBFRAME and linked data for AI-assisted cataloging?
- Moving Metadata Maker Toward a Linked Data Editor!

Thank you!

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