Linked data
The next evolution of library metadata
Agenda

• What is linked data and why is it important for libraries?
• OCLC’s linked data strategy
• Linked data in products and services
What is linked data?
Library linked data

Figure from: Carol Jean Godby, Shenghui Wang, and Jeffrey K Mixter, Library Linked Data in the Cloud: OCLC’s Experiments with New Models of Resource Description (San Rafael: Morgan & Claypool, 2015)
Expand influence and reach with linked data

Connect and scale library knowledge

Fuel serendipitous discovery

Focus on high-value knowledge work

Contribute to the global information ecosystem
Delivering on our linked data strategy

Expertise

Data

Infrastructure

Tools
Linked Data in products and services
Evolution of data sets

WorldCat® Entities

Works

Events

Persons

Places

Dewey® Services

Concepts
WorldCat Entities

More than 150M entities

Explore relationships

Find connections

Empower discovery

entities.oclc.org
WorldCat Entities URI enrichment
### WorldCat Entities in MARC records

<table>
<thead>
<tr>
<th>Field</th>
<th>Number</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>650</td>
<td>0</td>
<td>Institutional repositories $z$ United States $v$ Case studies.</td>
</tr>
<tr>
<td>650</td>
<td>7</td>
<td>Institutional repositories. $2$ fast $0$ (OCoLC)fst01740486</td>
</tr>
<tr>
<td>700</td>
<td>1</td>
<td>Mixter, Jeff $1$ <a href="https://id.oclc.org/worldcat/entity/E39PBJtRJykHh8gwXj3JQ4cyd">https://id.oclc.org/worldcat/entity/E39PBJtRJykHh8gwXj3JQ4cyd</a></td>
</tr>
<tr>
<td>700</td>
<td>1</td>
<td>McMillian, Ciara.</td>
</tr>
</tbody>
</table>
WorldShare Record Manager

Insert linked identifiers within existing cataloging workflows

WorldCat Entities URIs can be added to fields:

- Person entity – 100, 600, or 700
- Event entity – 647
- Place entity – 651
- Work entity – 758

Entities appear in the $1 of the field
Insert WorldCat Entity

**Entity Type | Term(s)**
--- | ---
Person | Mixter, Jeff

Results 1 - 1 of 1

**Entity Label | Description | Select Entity**
--- | --- | ---
Jeff Mixter | product manager at OCLC | Select Entity

Results 1 - 1 of 1
WorldCat Entities in MARC records

Included in MARC records through:

- Export in WorldShare Record Manager
- Export in Connexion
- WorldCat Metadata API
- Z39.50 Cataloging
- Bulk output in WorldShare Collection Manager
OCLC Meridian
OCLC Meridian
Create and curate linked data in WorldCat Entities
OCLC Meridian

Create a new Organization entity
OCLC Meridian

Immediately access a linked data URI
OCLC Meridian

Connect the new entity to other entities in the WorldCat graph
OCLC Meridian

Find other connection points in the WorldCat graph
OCLC Meridian

Connect them back to the new entity
OCLC Meridian

Rich and meaningfully connected graph of data to serve library workflows
BIBFRAME support
BIBFRAME ingest/export

MARC → WorldCat® → BIBFRAME
BIBFRAME editor

Will meet the needs of librarians as they transition to non-MARC formats

Supports new data needs and workflows

Will work seamlessly back-and-forth with BIBFRAME and MARC data

Libraries can choose what works for them
Because what is known must be shared.

Let’s continue the conversation: oc.lc/linkeddata

Anne Washington
Product Analyst, Metadata & Digital Services
washinga@oclc.org

Jeff Mixter
Senior Product Manager, Metadata & Digital Services
Mixterj@oclc.org