Virtual AskQC Office Hours

Meeting librarians where they are today: Incorporating linked data into existing library workflows

OCLC Metadata Quality
October 2023
Housekeeping

This session is being recorded
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All session recordings, slides, and notes are available at oc.lc/askqc
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Enter questions in chat to “Everyone” at any time during the presentation

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After the session, you will be directed to a brief, optional survey
On the Call Today

Hayley Moreno
Senior Data Analyst

Jeff Mixter
Senior Product Manager

Anne Washington
Product Analyst

Michael Phillips
Vocabulary Specialist
Meeting librarians where they are today:
Incorporating linked data into existing library workflows

Anne Washington  
Product Analyst

Jeff Mixter  
Sr. Product Manager
OCLC’s work in linked data

Standards for linked data

1995  2010  Today
OCLC’s work in linked data

Standards for linked data

Publishing library data as linked data
OCLC’s work in linked data

- Standards for linked data
- Experimenting with linked data in products and services
- Publishing library data as linked data
OCLC’s work in linked data

Standards for linked data

Publishing library data as linked data

Experimenting with linked data in products and services

Productionizing linked data at scale

1995  2010  Today
Solving for a variety of challenges

- Increasingly complex workflow in hybrid environments
- Disparate URIs make authority work difficult and time-consuming
- Lack of tools supporting a unified cataloging environment prohibits data connections
- Inability for data to serve multiple workflows leads to duplicative creation and curation
- Absence of an ecosystem that enables shared, collaborative linked data management at scale promotes disparate workflows
OCLC’s linked data ecosystem

Authority data
OCLC’s linked data ecosystem

Authority data

Bibliographic data
OCLC’s linked data ecosystem

Authority data ↔ Bibliographic data
OCLC’s linked data ecosystem

Authority data

Unified set of applications and services

Bibliographic data
OCLC’s linked data ecosystem

Authority data  →  Unified set of applications and services  →  Bibliographic data

Unified set of applications and services
Meeting libraries where you are today

- **Create global identifiers** that will be used across workflows by adding to URIs to WorldCat data
- **Release tools that bridge the gap** between traditional records and linked data frameworks to enable seamless creation and curation of data
- **Import and export WorldCat data as BIBFRAME** so librarians can work seamlessly between MARC and BIBFRAME
- **Evaluate and adapt to flavors of BIBFRAME** so librarians can share and exchange data with the highest fidelity possible
AUTHORITY WORKFLOWS
WorldCat Entities

• Authority linked data entities
  – Person
  – Work
  – Place
  – Event
  – Concepts
WorldCat ontology

• OCLC is working with partner libraries to expand the data model based on library workflows and data needs
• Data model used to describe Authoritative entities 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
BIBLIOGRAPHIC WORKFLOWS
BIBFRAME ingest/export

MARC → WorldCat

WorldCat → MARC

MARC
BIBFRAME ingest/export
BIBFRAME ingest/export

MARC —— WorldCat —— bf
|      | bf       |      |
|      | BIBFRAME |      |
|      | BIBFRAME |      |

MARC —— WorldCat —— bf
|      | bf       |      |
|      | BIBFRAME |      |
|      | BIBFRAME |      |
‘Linkifying’ WorldCat

• Currently working to add WorldCat Entity URIs to $1 across WorldCat
‘Linkifying’ WorldCat

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BIBFRAME Editor

• Developing a BIBFRAME editor to meet the needs of librarians as the transition to non-MARC formats and face new data needs and workflows
• Works seamlessly back-and-forth with BIBFRAME and MARC data so libraries can choose the data format best suited for their workflows, systems, and staff
Thanks!

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Because what is known must be shared.
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Thank You!

November 2023 Virtual AskQC Office Hours

MARC Fields for Manuscripts and Archival Collections

Tuesday, 7 November at 10:00 AM Eastern
Thursday, 16 November at 4:00 PM Eastern

Registration and session links available at oc.lc/askqc

Send cataloging policy questions at any time to askqc@oclc.org

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