Framing the Future
How RDA, Linked Data, and BIBFRAME Will Change the Future of Libraries

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Thank you!

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- Josh Gum (OSU)
- Michael Boock (OSULP)
About Me

• B.Sc., Zoology, University of Toronto
• M.P.H., University of California, Los Angeles
• M.L.S., Southern Connecticut State University
• Science Cataloger, Virginia Tech, 1990-1996
• Monographs Cataloger; Catalog Librarian; Head of Cataloging, OSULP, 1996-present
Overview: Origins and Destinations

• AACR2 → Resource Description and Access (RDA) → 3R Project
• Resource Description Framework (RDF) & RDF Triples
• Functional Requirements of Bibliographic Records (FRBR) → Library Reference Model (LRM)
• MARC → BIBFRAME
• Linked Data for Production (LD4P)
• OSULP: Adoption of RDA, ScholarsArchive@OSU & Linked Data
AACR2 $\rightarrow$ RDA

AACR2 + FRBR $\rightarrow$ RDA
About RDA

• 37 chapters, 13 appendices
• Library of Congress-Program for Cooperative Cataloging Policy Statements (LC-PCC PS)
• Internationalization
  • No Latin abbreviations (et al., etc.)
  • Fewer abbreviations allowed
• RDA Toolkit
• Cataloger’s judgement
• Application to archival and museum collections
RDA and Metadata

• RDA Registry
  • Work, expression, manifestation, item
  • Person, corporate body, family

• URIs → Linked Data
Wole Soyinka is author of Death and the King’s Horseman.
Wole Soyinka (VIAF) is author of (RDA Registry)

Death and the King’s Horseman (numerical identifier)
3R Project

Restructuring and Redesigning RDA Toolkit

Goals:

1. Accessibility
2. Redesign of structure and interface
   i. More examples
   ii. Track changes
3. Compliance with Library Reference Model (LRM)
Library Reference Model Terminology

Stabilization of language
  • Relationships (not relationship designators)
  • Attributes
  • New entities (agents, collective agents, nomens)

No PDF index, no links to AACR2
Little impact on current practices
JSC for RDA website
30-Day Free Trial
BIBFRAME

MARC
• Created in 1969
• Largely incomprehensible by current online environment
• MARCXML + incorporating URLs into MARC

BIBFRAME
• Created in 2012
• BIBFRAME 2.0 developed since 2016
BIBFRAME 2.0

- Uses RDF
- Vocabulary taken from LRM & RDA
- Independent of cataloging codes
- MARC21 to BIBFRAME conversion tools from Library of Congress
- Not yet used by any ILS
LD4P

• Linked Data for Production
Bringing OSULP Up-to-Date (I)

Migration to RDA
Webinars
Catalogers Learning Workshop training materials
RDA in NACO videos
All original records comply with RDA
Bringing OSULP Up-to-Date (II)

ScholarsArchive@OSU

- Electronic theses and dissertations; faculty publications, digitized OSU publications; ejournals
- 2018: migration from DSpace to new platform
- Metadata stored as RDF triples; predicates taken from multiple sources
- Linked data vocabularies from LCSH, LCNAF, Creative Commons, rightsStatements.org
- OSU-created metadata (academic units, degree fields)
Bringing OSULP Up-to-Date (III)

Oregon Digital
- Joint effort with the University of Oregon
- Unique digitized and born-digital resources
- Uses RDF triples
To Learn More

• LRM: https://www.ifla.org/publications/node/11412
• RDA: https://www.rdatoolkit.org
• Bibframe: https://www.loc.gov/bibframe/
• Linked Data For Production Project: https://wiki.duraspace.org/pages/viewpage.action?pageId=74515029
Thank You!

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