LINKED DATA FOR PRODUCTION: A MULTI-INSTITUTION APPROACH TO TECHNICAL SERVICES TRANSFORMATION

SWIB2016
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Linked Data for Production

https://upload.wikimedia.org/wikipedia/commons/e/ee/Chain_link_icon.png
Linked Data for Libraries - Labs

- Enhancement of linked data creation and editing tools

- Exploration of linked data relationships and analysis of the graph to directly improve discovery

- BIBFRAME ontology development and piloting efforts in URI persistence

- Metadata conversion tool development needed by LD4P and the broader library community
LD4P Expected Outcomes and Benefits

- Development of the ability for libraries to work in an open, networked environment in the construction of their metadata
- Extension of the BIBFRAME ontology
- Open source tool development for use in metadata creation and transformation in a linked open data environment
- Engagement with other strategic linked-data projects
- Engender community engagement
BIBFRAME 2.0 Evaluation

- Documenting change recommendations
- Target ontology development
Tooling

• MARC to BIBFRAME Converter

• VITRO/VIVO development

• General tool evaluation
  • LC’s editor and converter
  • ALIADA
  • KARMA
  • FEDORA4
  • RML Editor
  • CEDAR
Columbia

- Intersection of libraries and museums
- Art Properties data to BIBFRAME 2.0
- Alignment of VRA Core RDF Ontology and BF 2.0
- Analysis of CIDOC-CRM and FRBRoo and relate them to BF 2.0
- Artframe extension to BF 2.0
Cornell

- BF2.0 extension for rare materials
- Metadata creation for non-commercial Hip Hop LPs
Harvard

- Cartographic and Geospatial datasets
- Developed use cases and mapped to modelling patterns
- Mapped Harvard Geospatial Library’s metadata elements to BF2.0
- Will be creating metadata to this standard to test its usefulness
Library of Congress

- Archival film and recorded sound collections
- Print and photographic resources
- BF 2.0 vocabulary development
- BF 2.0 and RDA
• Annotations in the work of Jacques Derrida
• Inclusion of digital surrogates
• Possible use of IIIF
Stanford – Performed Music Ontology
Stanford – Tracer Bullets

$R_H$: Horizontal Distance

Parabolic Path

Line of Sight

Angles Exaggerated for Illustration
Next Steps

• Reconciliation

• Linked work environment