DC Academy Course: BIBFRAME Part 2

Instructor: Greta Heng

Course abstract:

In this module, participants will learn about the infrastructure to implement BIBFRAME in production, potential linked data resource description workflows that have been discussed among the library community, reflect on the changes that BIBFRAME brought to the workflows, and challenges of resource description in BIBFRAME. Participants will also get hands-on experience with the BIBFRAME databases and a BIBFRAME editor. Key components of the instruction include learning how to search entities, utilize the profiles in the BIBFRAME Editor, import data from BIBFRAME databases, and create BIBFRAME data in the BIBFRAME Editor.

Course outline:

Part 1 Introduction and review of BIBFRAME data model (5 minutes)
This session will introduce the goals of this course and give an overview of the BIBFRAME data model, reviewing the three level entities and BIBFRAME: hub.

Part 2 Move towards BIBFRAME (10 minutes)
There is still a long way to go before we can use BIBFRAME in the production enviornment. This session will introduce the changing cataloging landscape, summarize the challenges of working with BIBFRAME, and explore reasons for the library community to transition to linked data creation.

- Discussion question (5 minutes):
    - What are the challenges you would expect to encounter when working with BIBFRAME?/ What are the challenges you had when working with BIBFRAME?

Part 3 BIBFRAME infrastructure (20 minutes)
This session will introduce the infrastructure for linked data resource description and the current available data hubs and tools for BIBFRAME resource description.

- Infrastructure:
    - Entity databases
    - BIBFRAME databases
    - Linked data editor
    - …
- Current available and under developed entity databases, BIBFRAME databases, and editors
- Influences to metadata practitioners

- Discussion questions (10 minutes):
    - Have you used BIBFRAME to create data? What tools/platforms have you used?
    - If you have used BIBFRAME editors, what changes have you noticed in terms of resource description compared to MARC? If you haven't, what changes in workflow do you foresee occurring in BIBFRAME data creation compared to MARC cataloging?

Part 4 Working with BIBFRAME, where to start? (30 minutes)
Those brand new infrastructure brings the change to resource description workflow. This session will lead participants to think about the workflow changes when working with BIBFRAME and discuss the steps to describe a title in BIBFRAME. This session will also teach participants to use Library of Congress BIBFRAME work and instance databases.

- Introduce to LC BIBFRAME databases
    - Demonstrate how to search for BIBFRAME data in work/instance databases
    - Demonstrate how to download bibframe data
    - Understand what's included in the BIBFRAME RDF XML for work and instance data
    - Understand what is LC BIBFRAME hub database
- Linked data resource description workflows that have been presented by researchers

- Discussion questions (15 minutes):
    - One of the benefits of linked data is the possibility to reuse and share data. What level of entity could be shared with your consortium or larger library community?
    - With the available BIBFRAME data creation infrastructure, what will be the steps for creating original resource descriptions in BIBFRAME?
    - What changes has BIBFRAME brought to copy cataloging?
    - Each group will examine one example provided below and discuss the steps to describe it in BIBFRAME.

- Examples:
    - Work, hub, and instance both existed https://alastore.ala.org/linkeddataperplexed
    - Work and instance existed: https://www.amazon.com/dp/0241381355?_encoding=UTF8&psc=1&ref_=cm_sw_r_cp_ud_dp_EXP0KZY4S40J56SQW6XS
    - Neither work nor instance existed: https://alastore.ala.org/pletworkbook
    - (cannot find an example of which work existed in bibframe work database but not instance)

Part 5 Use BIBFRAME editor (45 minutes)
This session will focus on the LC Marva editor, introduce features in MARVA, and demonstrate how to import BIBFRAME data from LC to MARVA and describe data in BIBFRAME in MARVA.

- Introduce to LC MARVA BIBFRAME editor
    - Demonstrate how to find my records, search in everyone's records, and load a record to MARVA editor
    - Differences between MARVA and other BIBFRAME editors
- Create BIBFRAME work, instance, and item data for a monograph in MARVA: https://alastore.ala.org/linkeddataperplexed
    - Undo and redo
    - Go to work/instance
    - Link to RDA
    - Preview XML
    - Post a record
    - Search in authority files / entity databases
    - Part of a series (hub)
    - …
- Load BIBFRAME data from LC databases and create an instance description

- Group exercise (15 minutes): The BIBFRAME data created in class will be reviewed by peers during the class and by the instructor after the class. Participants will receive feedback from the instructor after the course.
    - Create a work and instance data in BIBFRAME using MARVA: https://www.amazon.com/Rise-Implications-Applications-Intelligence-Librarianship/dp/0838939112/ref=sr_1_1?crid=1BN3GFGA8J993&keywords=9780838939116&qid=1707944098&sprefix=9780838939116%2Caps%2C357&sr=8-1

- Discussion questions (15 minutes):
    - Peer review BIBFRAME data (5 minutes): review other group's BIBFRAME data in MARVA, leave comments
    - What do you like most about this editor?
    - What features do you think are lacking in this editor?
    - What are the differences you noticed between the loaded work level data and the work level data we created together?

Part 6 Wrap Up & BIBFRAME Learning Resources (10 minutes)
This session will explain to participants how to get feedback and next steps and provide participants a list of resources for self-learning about BIBFRAME.