

# BIBFRAME    Beginnings at UT Austin

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# Panelists

Jee Davis - Cataloging & Metadata Services, UT Libraries

Melanie Cofield - Cataloging & Metadata Services, UT Libraries

Amy Brown - Book Cataloging, Harry Ransom Center

Alan Ringwood - Cataloging & Metadata Services, UT Libraries

Alisha Quagliana - Acquisitions, UT Libraries

# Topics

- Linked Data for Libraries Context
- BIBFRAME Overview & Group Learning Strategies
- Experimentation Process, Tools, Outcomes
- Linked Data Beyond the Catalog
- Lessons Learned and Future Work

# The Evolving Metadata Landscape: Positioning for the Future



Source: Be the change that you wish to see in the world by Helminadia Ranford

<https://www.flickr.com/photos/helminadia/6696455929>

# The Evolving Metadata Landscape: Positioning for the Future

- Aligning with national/international metadata communities
- Collaborative and proactive learning
- Being critical and practical

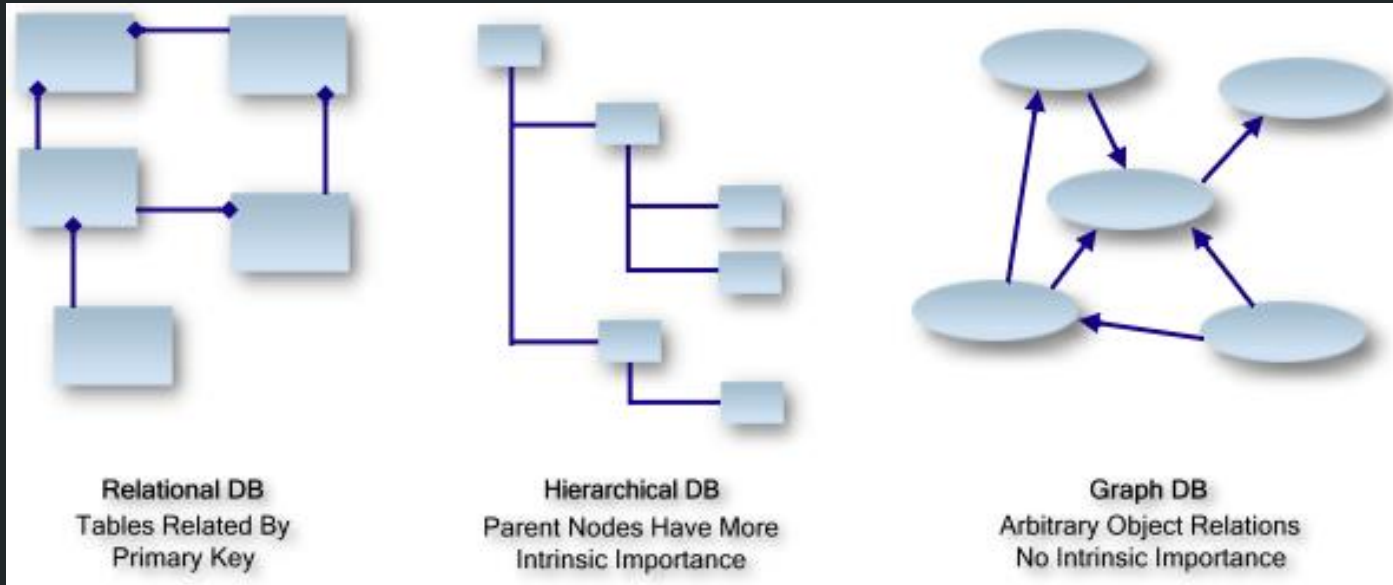
Source: Be the change that you wish to see in the world by Helminadia Ranford

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# Planning

- BIBFRAME Discussion Group
  - Acquisitions, Cataloging & Metadata Services, UT Libraries
  - Book Cataloging, Harry Ransom Center
  - Metadata Services, Tarlton Law Library
- Goals
  - To understand BIBFRAME (and linked data) through group learning
  - To experiment and evaluate BF transformation process and related tools
  - To identify and explore linked data projects
- Progressive and Critical Learning

# BIBFRAME Overview



Source: <http://www.linkeddatatools.com/images/graphdb.png>

# BIBFRAME Overview

Pride and Prejudice was written by Jane Austen.

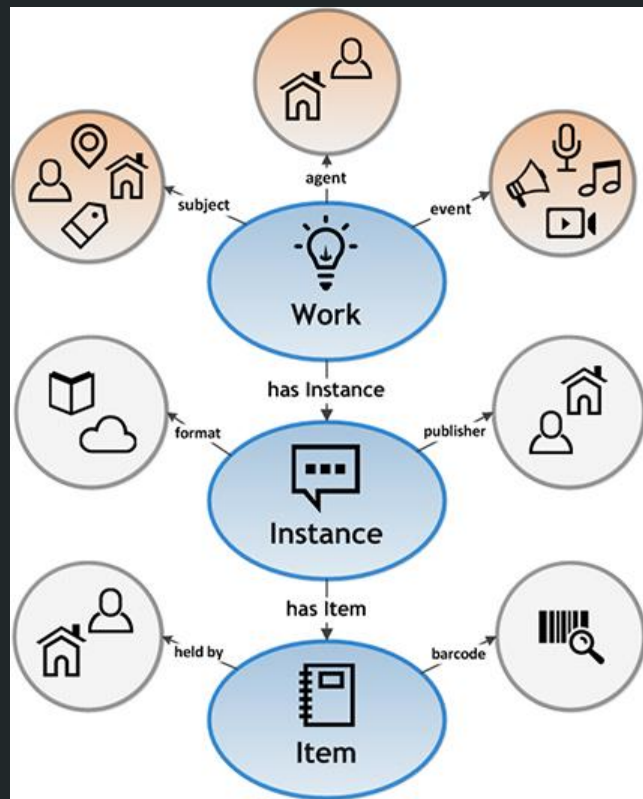
<http://id.loc.gov/authorities/names/n2002041181> <http://id.loc.gov/vocabulary/relators/aut> <http://id.loc.gov/authorities/names/n79032879.html>



# BIBFRAME Overview

- Library of Congress initiative, launched in 2011
- Model, vocabulary, profiles
- Implementation testbeds & pilots
- Tool development

## BIBFRAME 2.0 Model



Source: <https://www.loc.gov/bibframe/docs/bibframe2-model.html>

# Group learning strategies

December 2014  
through  
May 2016

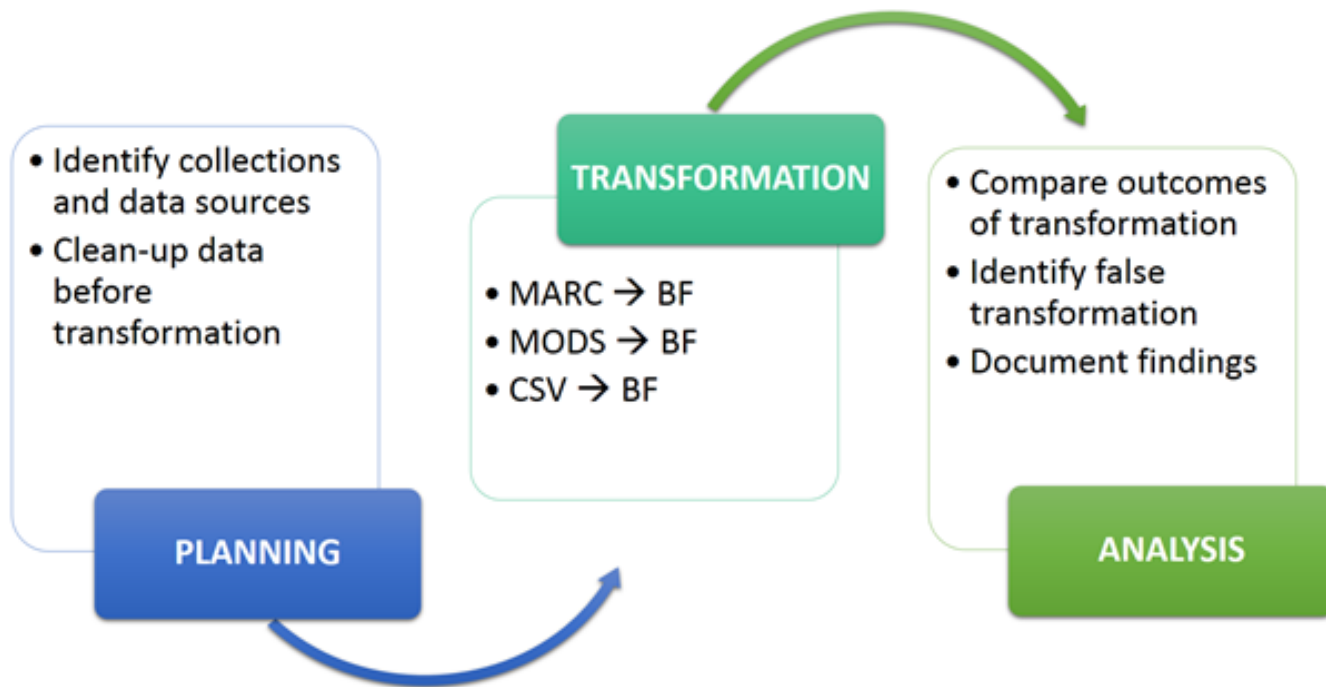


Source: [https://commons.wikimedia.org/wiki/File:Neuronal\\_activity\\_DARPA.jpg](https://commons.wikimedia.org/wiki/File:Neuronal_activity_DARPA.jpg)

# Group learning strategies

- 13 members
- Monthly meetings
- Critical discussion
- Centralized resource/documentation portal
- Professional Development
  - Zepheira 2015
  - Library Juice Academy 2016
- Turnaround training
- Experimentation & reporting
- Monitoring developments
- Synthesizing, sharing lessons learned

# Experimentation goals & process

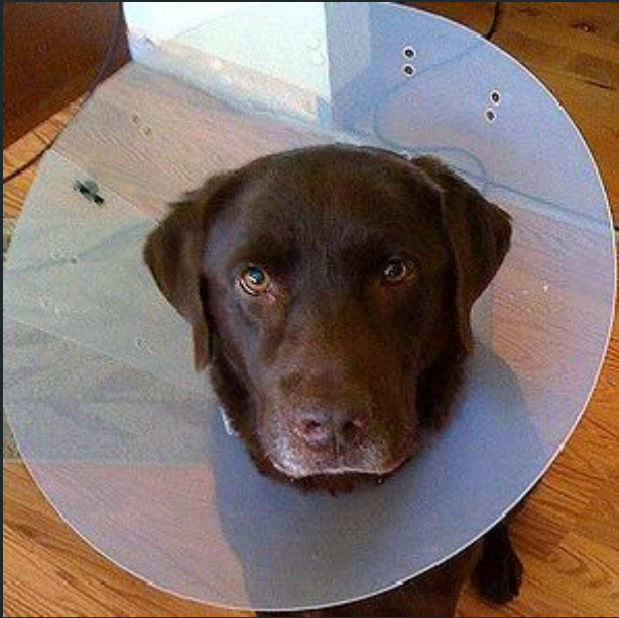


# Transformation tools

- Open Refine - data clean up
- MarcEdit
- Zepheira transformation
- Library of Congress transformation tool



# Experimentation outcomes



Source: <https://www.flickr.com/photos/donabelandewen/3664253860>

- Significant data loss -  
The MARC funnel
- Problematic or indecipherable mappings
- Incomplete user interfaces make assessment difficult
- Collaboration throughout life cycle is essential



# Battle of the BIBFRAME Editors

Zepheira's  
BIBFRAME Scribe

vs.

LC's  
BIBFRAME Editor



Source: <http://www.publicdomainpictures.net/view-image.php?image=157104&picture=background-wallpaper>

# Two important caveats

- Scribe & LC Editor are in active development
- Findings apply to all formats



# Sizing up the BIBFRAME Editors

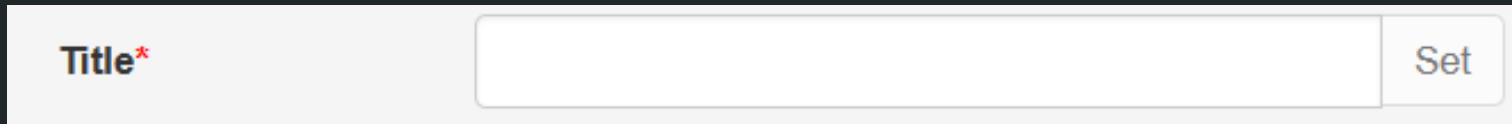
- Scribe
  - Somewhat functional, not very intuitive
  - Vague element names, circular definitions (BIBFRAME Lite)
  - Appears designed by/for non-catalogers
- LC Editor
  - More functional & intuitive than Scribe
  - Element names, definitions aligned with RDA
  - Design influenced by catalogers

# Resource profiles

- Scribe
  - 7 primary types
    - Article
    - Audio
    - Bibliography
    - Book
    - Dissertation
    - Map
    - Serial
- LC Editor
  - 6 primary types
    - Monograph
    - Notated music
    - Serial
    - Cartographic
    - BluRay DVD
    - Audio CD

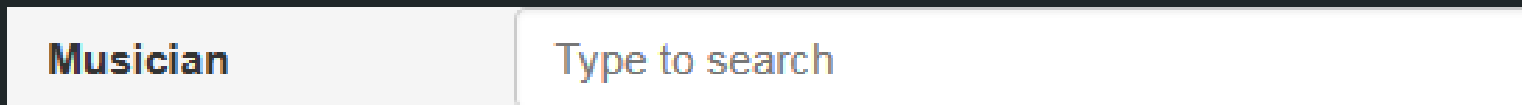
# Data elements: Scribe

- Vague field labels: What to input



A form element with a light gray background. On the left, the text "Title\*" is displayed in a dark font, with a red asterisk. To the right of this text is a white rectangular input field with a thin gray border. Further to the right is a small, light gray button with rounded corners containing the text "Set" in a dark font.

Title proper? Preferred title?



A form element with a light gray background. On the left, the text "Musician" is displayed in a dark font. To the right of this text is a white rectangular input field with a thin gray border, containing the placeholder text "Type to search" in a dark font.

Enter group performers here?

# BIBFRAME Lite: Circular definitions

## Attributes of title proper

Label

title proper

Description

The proper title

Remark

?!

Refines

■ title

# Data elements: LC Editor

- Grouped by Work, Expression, Manifestation, or Item
- Reference to RDA guidelines


RDA Work Elements - Audio CD	
Creator of Work (RDA 19.2)	<div>Principal Creator</div> <div>Other Creators</div>
Preferred Title for a Musical Work (RDA 6.14.2)	<div>Title</div>
Variant Title for a Musical Work (RDA 6.14.3)	<div>Title</div>
Form of Work (RDA 6.3)	<div>Form of Work</div>
Date of Work (RDA 6.4)	<div>Date of Work (RDA 6.4)</div>

# Other matters: Scribe

- Repeated fields
- Inappropriate fields
- Display issues

**Creator**

Type to search

 [created] ✕

What was created?

1

Federal or State  
Government  
Document Call  
Number

UC Davis Library Call  
Number

National Library of  
Medicine Call Number

Library of Congress  
Call Number

2

Federal or State  
Government  
Document Call  
Number

UC Davis Library Call  
Number

National Library of  
Medicine Call Number

Library of Congress  
Call Number

# Other matters: LC Editor

- Dropdown menus for certain elements

**Content Type (RDA 6.9)**

Content Type (RDA 6.9)

- No elements for:
  - Genre
  - Production statement
  - Digital file characteristics

# Linked Data Beyond the Catalog - Knowledgebase

**Ebook Library (AZZ)**  
<http://www.utxa.eblib.com/EBLWeb/patron/>  
Ebook Library  
UT Austin Only  
890317 titles

Database Purchased 360 Link, 360 Summon

**Titles** (23964 tracked of 890317)

**About**

Database Name: Ebook Library  
Provider Name: Ebook Library  
Collection: UT Austin Only  
Status: Purchased  
Title Coverage: ONLY SELECTED titles (23964 of 890317) [Manage Titles](#)

**Discovery**

360 Core On  
360 Link On  
Summon On

**Configuration**

Database URL: <http://www.utxa.eblib.com/EBLWeb/patron/>  
Library Proxy: Off

**Administration**

Admin Site URL: <http://www.utxa.eblib.com/EBLWeb/libCentral/>

**Related Actions**

- [Manage Titles](#)
- [Upload Title List](#)
- [Download Title List](#)
- [Renewal Checklist](#)
- [Payment](#)

**Licenses (1)**

- Ebook Library (Prevailing)  
Active - Started May, 1 2007

**Contacts (2)**

- Aimée Leverette  
Aimee.Leverette@proquest.com
- Edward (Ed) Loera  
edward.loera@proquest.com

**Callouts:**

- Books we have purchased/tracked
- Describes where/how we get content and what "package" or database it's in
- Links to the license we have for the Vendor or the specific Package
- Shows our contacts with that Vendor
- Tells us it's on in our Link Resolver, A-Z and discovery tool
- Proxy info, access URL, etc.
- Admin login
- Our cost data is below



# Linked Data Beyond the Catalog - Discovery

The screenshot shows the University of Texas Libraries search interface. The search term 'mintel' has yielded 3,732 results, sorted by relevance. The left sidebar contains filters for 'REFINE YOUR SEARCH' (Any), 'CONTENT TYPE' (Any, Magazine Article (7,650), Newspaper Article (5,207), Journal Article (3,732), Market Research (3,196), Book / eBook (1,597)), 'DISCIPLINE' (Any, economics (1,560), business (1,214), diet & clinical nutrition (479), geography (234), engineering (180)), and 'PUBLICATION DATE'.

Annotations on the search results page include:

- Looking for the Mintel Database?** (circled in red) with a callout bubble stating: **Library recommendations**
- Altmetric** badge (circled in red) with a callout bubble stating: **Altmetric badges**
- A large callout bubble on the right stating: **This section can show topic information and link to subject experts and offer additional search terms**

The search results list includes:

- Mintel Global New Products Database (GNPD)** by Solis, Eimmy. Journal of Business & Finance Librarianship, 01/2016, Volume 21, Issue 1. Permalink. Journal Article: [Full Text Online](#)
- Mintel report offers sales-boost hope** Optometry Today, 09/2010, Volume 50, Issue 17. Permalink. ...Despite feeling the effects of the recession in 2009, the latest **Mintel** report on British lifestyles suggests that the optical industry could prosper from... Journal Article: [Full Text Online](#)
- Mintel finds untapped patient group in report** Optometry Today, 03/2010, Volume 50, Issue 6. Permalink. ... the optician or has never had an eye examination. [ILLUSTRATION OMITTED] Research group **Mintel**, in its Optical Goods and Eyecare document, found that one-in-ten people... Journal Article: [Full Text Online](#)
- Market Research Databases: Comparison of Mintel Reports Academic, MarketLine Business Information...**

# Linked Data Beyond the Catalog - Link Resolver

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**OXFORD** UNIVERSITY PRESS Journals

Journals > Medicine & Health > European Heart Journal > Volume 35, Issue 36 > Pp. 2433 - 2440

## European Heart Journal

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Published on behalf of

**Peer Review and Open Access**

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**Why is Obamacare so controversial?**

**Author:** Cole, G. D.  
**Journal:** European heart journal  
**ISSN:** 0195-668X  
**Date:** 09/21/2014  
**Volume:** 35 **Issue:** 36 **Page:** 2433-2440  
**DOI:** 10.1093/eurheartj/ehu287

**Altmetric** 23

**Journal Details**

Peer Reviewed: Yes Open Access: No

Description: Publishes quality material, both clinical and scientific, on all aspects of Cardiovascular Medicine.

Subject(s): MEDICAL SCIENCES - CARDIOVASCULAR DISEASES

Country: United Kingdom

Language: English

Publication Frequency: Other

Content Types: Academic / Scholarly

# Linked Data Beyond the Catalog – Next Gen LSP



Source: Web by david reid CC BY-NC 2.0  
<https://flic.kr/p/3mBRSY>

# Lessons Learned - Successes

- Gained knowledge of linked data, BIBFRAME
- Increased confidence with data transformation tools
- Achieved effective learning through group collaboration and experimentation
- Broadened perspectives beyond BIBFRAME
- Fostered/strengthened collaborative relationships

# Lessons Learned - Challenges

- Are we ready for post-MARC?
- How do we keep up with constant changes in development?
- How do we begin conversations with the rest of the library about linked data?
- How do we build our skills around linked data?
- How do we develop metadata services around BIBFRAME/linked data?

# Future Work

- Create workflows for metadata batch processing
- Identify metadata services around linked data
- Help build technical infrastructure
- Engage in metadata outreach





Source: I see a rainbow rising by Brad  
<https://www.flickr.com/photos/hedgey2008/8520477044/size/medium/>

**Questions? Comments?**