



Fall 2014 Member Meeting

# Update on BIBFRAME Implementation



**THE GEORGE WASHINGTON UNIVERSITY**

Jackie Shieh  
Coordinator  
Resource Description  
@datapod  
jshieh@ gwu.edu

December 9, 2014  
Capital Hilton  
Washington, DC

# GW BF Team



- GW Libraries
  - Resource Description Group (3)
  - Global Resource Center (1)
  - Digital Archivist (1)
- GW Law Library
  - Cataloging and Metadata Services Dept. (3)

# Starting Out in 2014



- Implement LC's *Editor* input, reviewing indexing criteria.
- Test BF vocabulary and data modeling using GW collections.
- Incorporate controlled vocabularies and ontology to BF core data set.
- Establish practitioner work and best practices.
- Design user interface.
- Explore additional enhancements beyond library environment.

# Staff Training



- Classroom
- Exercises / Reviews
- Self-directed
- Bi-weekly meeting of whole group

# Use Case



**As a...**

Scientist (MD) working for a pharmaceutical company

**I want to...**

Study colon cancer, specifically clinical trials in progress. I want to find out what stage my competition is at. (or, do I have any competitors and who are they?)

**So that...**

I can determine whether I should continue development.

Credit: B Bushman

# Use Case



**As a...**

(hypothetical) ORCID linking service

**I want to...**

Use your generated ORCID numbers to connect to other authorities generated elsewhere.

**So that...**

We can disambiguate those users with similar names, and connect different sources of information together to get a more complete picture of a creator's output.

Credit: B Bushman

# Use Case



**As a...**

Zotero application

**I want to...**

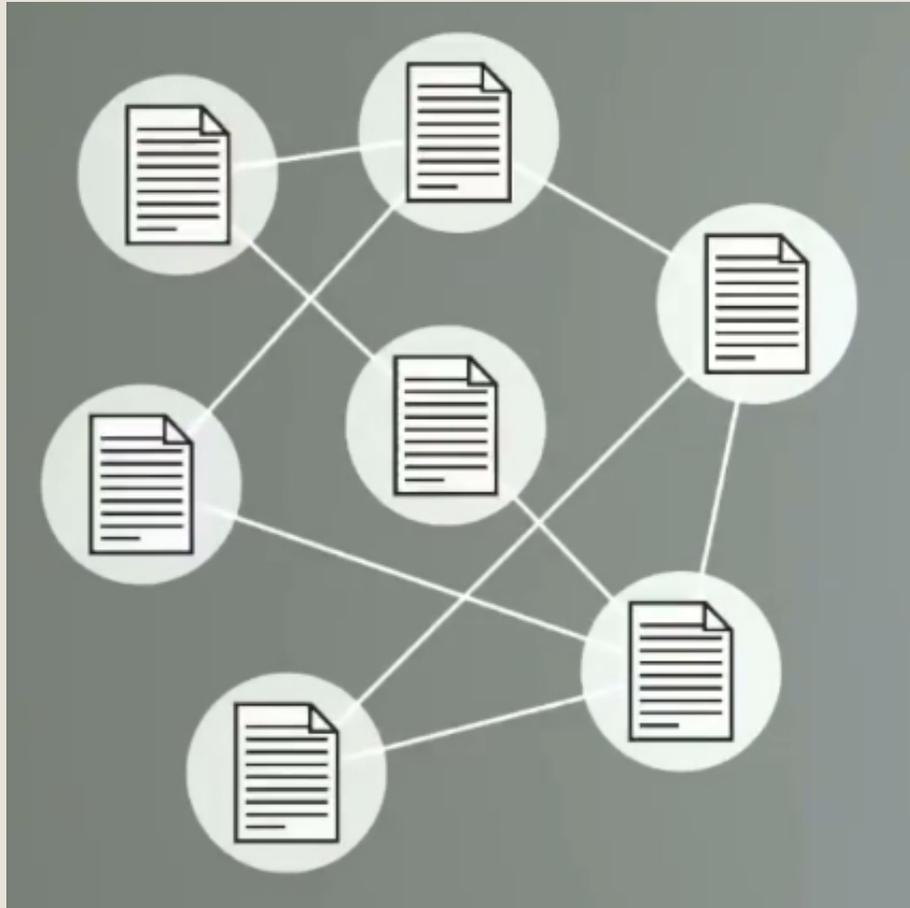
Receive updates from Medline and the NLM catalog when something is new.

**So that...**

I can notify my users of new content.

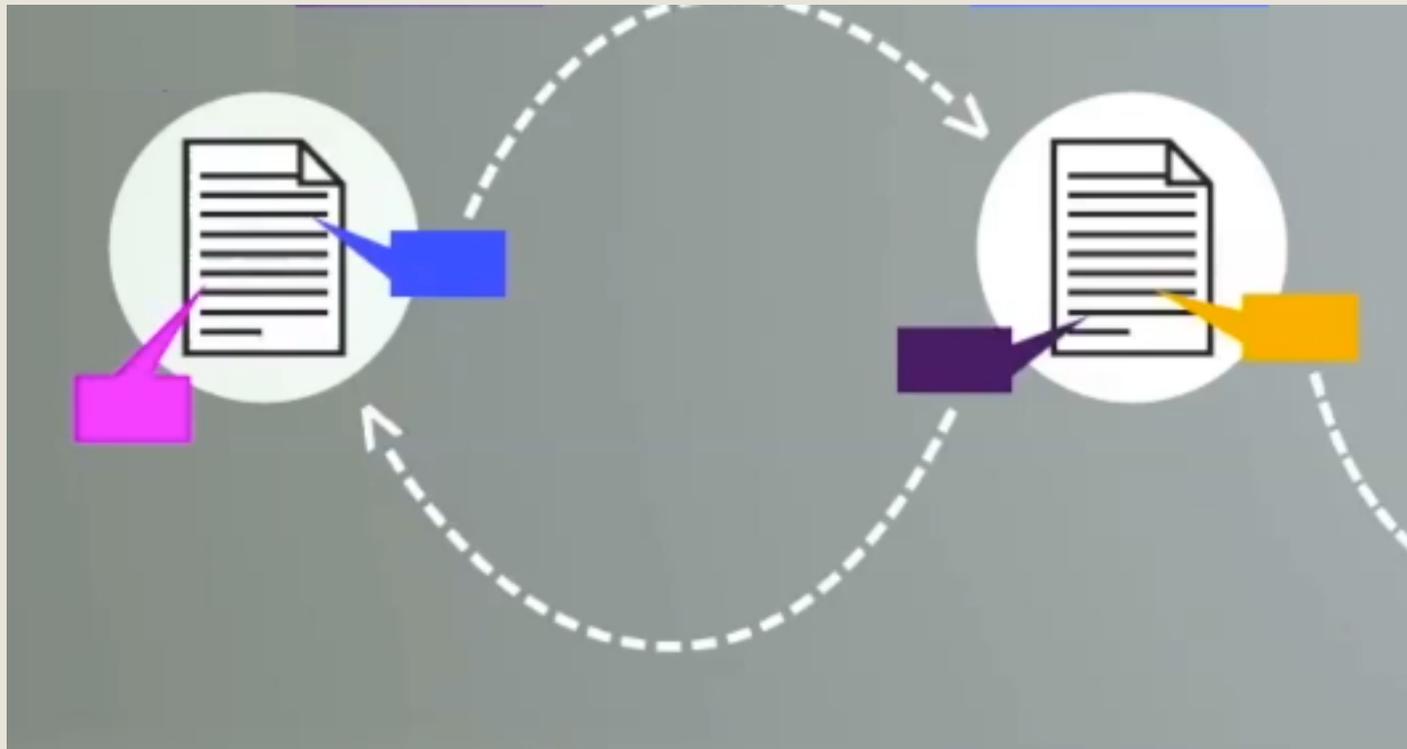
Credit: B Bushman

# Transition from Text to Data



Images: Eneko Egaña, vimeo.org

# Transition from Text to Data



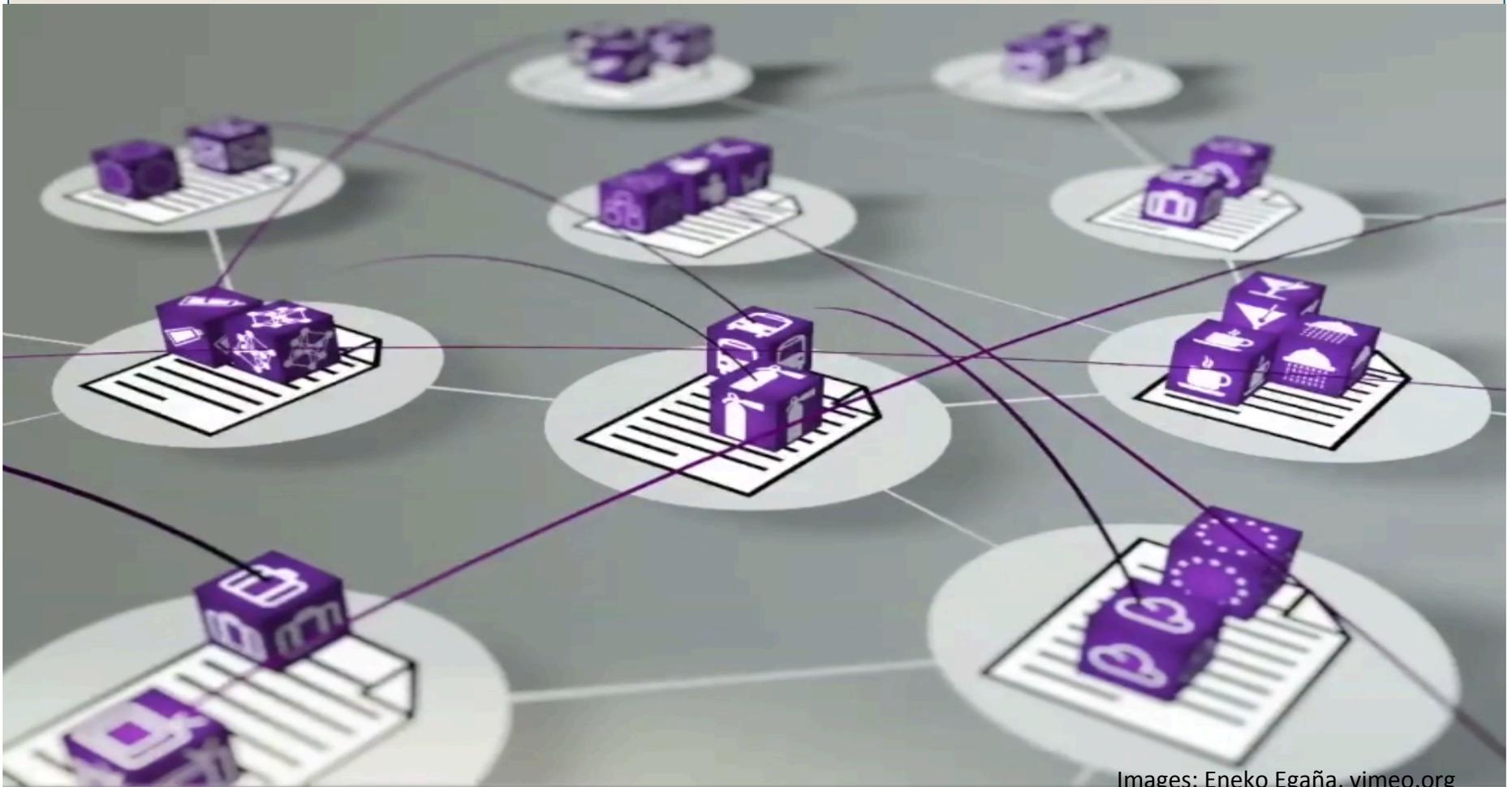
Images: Eneko Egaña, vimeo.org

# Transition from Text to Data



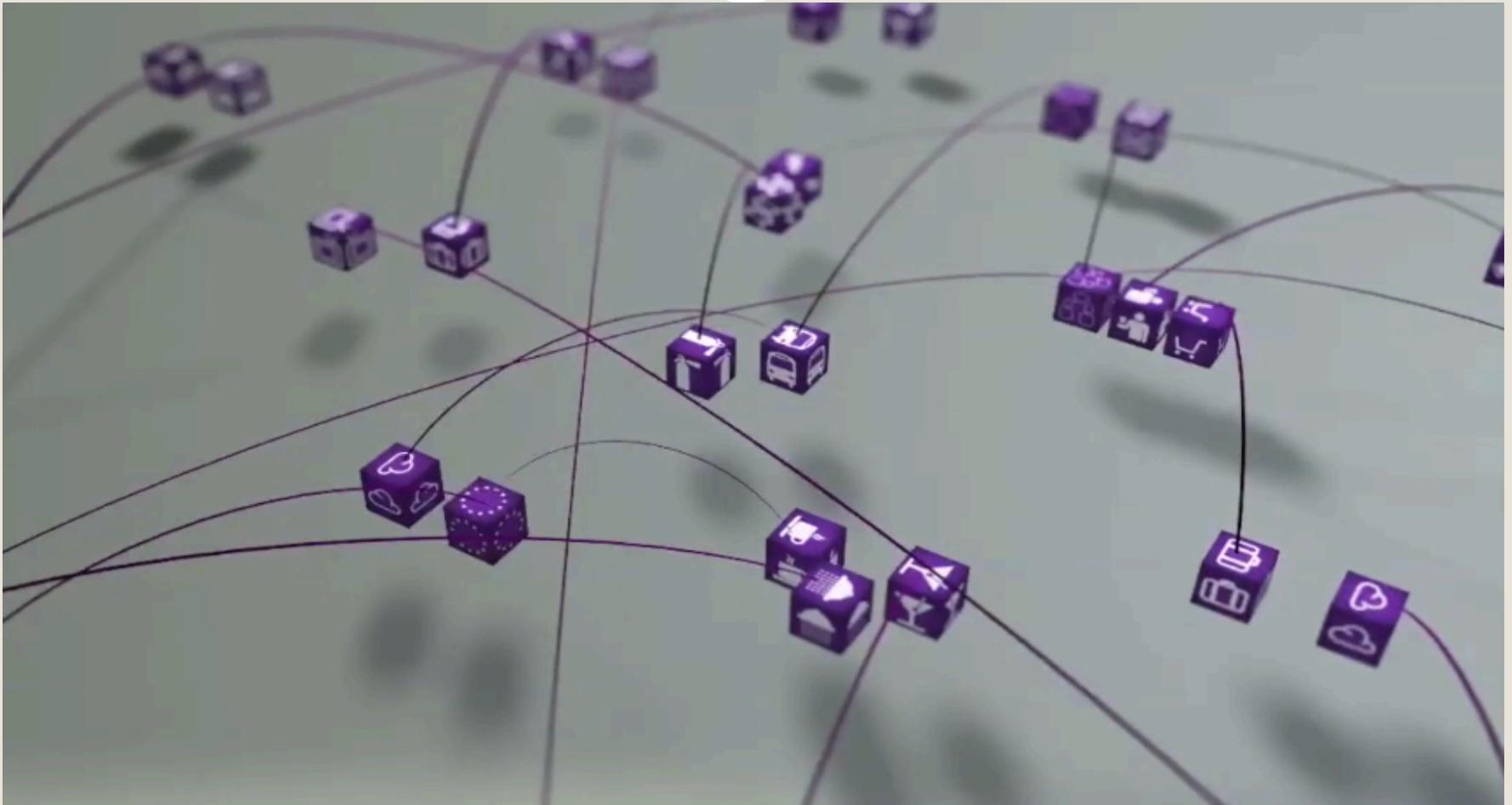
Images: Eneko Egaña, vimeo.org

# Entities Linking



Images: Eneko Egaña, vimeo.org

# Entities Linking



Images: Eneko Egaña, vimeo.org

# Moving Toward Entities



Photo: [bit.ly/JA\\_PandP](http://bit.ly/JA_PandP)



Photo: [bit.ly/JAusten2011](http://bit.ly/JAusten2011)

**bf:creator**

**lccn:n2002041181**



**viaf:102333412**

# IRI Entities Linking



Photo: [bit.ly/JA\\_PandP](http://bit.ly/JA_PandP)

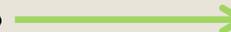


Photo: [bit.ly/JAusten2011](http://bit.ly/JAusten2011)

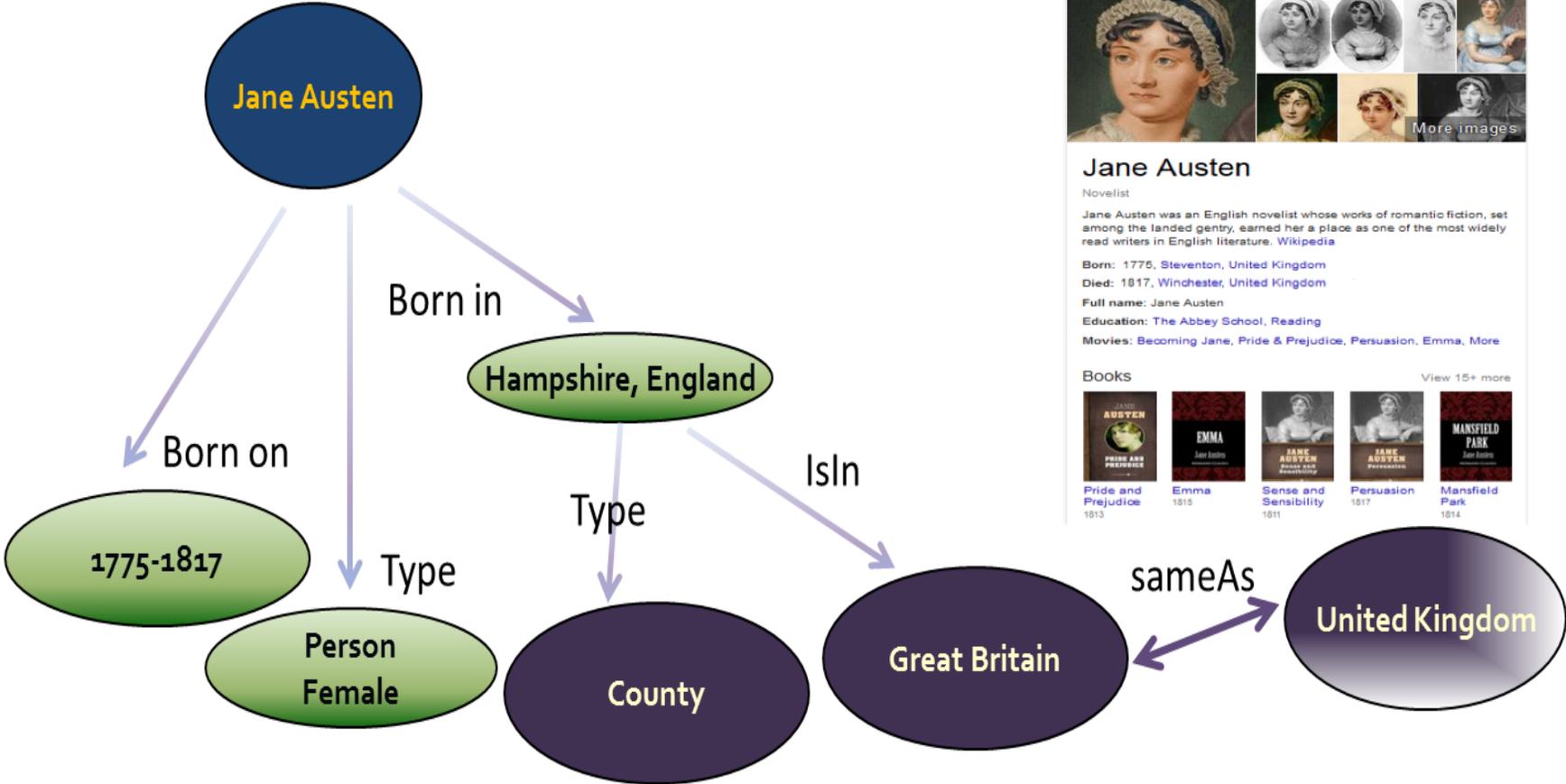
<http://bibframe.org//creator>

<http://id.loc.gov/authorities/names/n2002041181>

<http://viaf.org/viaf/102333412>



# Reuse Data to Deepen & Enrich User Experience



**Jane Austen**  
Novelist

Jane Austen was an English novelist whose works of romantic fiction, set among the landed gentry, earned her a place as one of the most widely read writers in English literature. [Wikipedia](#)

**Born:** 1775, [Steventon, United Kingdom](#)  
**Died:** 1817, [Winchester, United Kingdom](#)  
**Full name:** Jane Austen  
**Education:** [The Abbey School, Reading](#)  
**Movies:** [Becoming Jane](#), [Pride & Prejudice](#), [Persuasion](#), [Emma](#), [More](#)

**Books** View 15+ more

<a href="#">Pride and Prejudice</a> 1013	<a href="#">Emma</a> 1015	<a href="#">Sense and Sensibility</a> 1011	<a href="#">Persuasion</a> 1017	<a href="#">Mansfield Park</a> 1014

# Sojourners for Zepheira Training



- Metro DC Colleagues
  - George Washington University Burns Law Library
  - National Library of Medicine
  - Georgetown Law Library
  - George Mason University Library
  - Johns Hopkins University Library

# What Have We Been Playing?



- MARC Data Transformation
- *LC Editor*
  - (<https://github.com/lcnetdev/marc2bibframe/issues>)
- *Zepheira Scribe*
  - (<http://editor.bibframe.zepheira.com/static/>)
- Installed *Blacklight*
  - (GW IP only: <http://gwbibframe.wrlc.org:8081>)

# Transformation: Characters



Note(s) > Signatures: p1<sup>2</sup> [1]\* 2-9\* 10<sup>4</sup>, ²[1]\* 2-3\* 4<sup>4</sup> 5<sup>2</sup>.  
> Accompanied by index, with separate pagination and separate title page: "Indice alfabético e remissivo do Novo código penal de 16 de setembro de 1886 / por J.L. d'Almeida Didier, advogado nos auditorios do Porto. Vende-se na Livraria Archivo Juridico de A.G. Veira Pavia, editor, 67, rua do Bomjardim, 67, 1886."

Call Number KKQ3794.31886

Instance(s) Novo código penal : aprovado por decreto de 16 de setembro de

Figure 4. We like how the superscripts and other less frequently encountered characters look!

## CALL/CLASS NUMBER DISPLAY:

```
<subfield code="a">GWLA</subfield>
</datafield>
<datafield tag="099" ind1=" " ind2=" ">
  <subfield code="a">DVD</subfield>
  <subfield code="a">92</subfield>
</datafield>
<datafield tag="245" ind1="0" ind2="0">
  <subfield code="a">Gideon&apos;s army /</subf
```

Figure 5a. Source MARCXML with 099.

## Extension for Other Schemas?



```
<titleInfo xml:lang="zh" script="Latn" altRepGroup="??">  
<title>Gongheguo ling xiu da ci dian.</title>  
</titleInfo>  
<titleInfo xml:lang="zh" script="Hans" altRepGroup="??">  
<title>共和国领袖大辞典.</title>  
</titleInfo>
```

# Blacklight– A Discovery Tool?



The screenshot shows the Blacklight search interface in a browser window. The address bar displays "gwbibframe.wrlc.org:8081". The page header features the "blacklight" logo and a search bar with a dropdown menu set to "All Fields" and a "Search" button. Below the search bar, there are two main sections: "Limit your search" and "Welcome!".

**Limit your search**

**Format**

Book	554
Musical Recording	129
Unknown	112
Serial	9
Musical Score	4

**Publication Year**

2005	29
1931	23
2003	19
2006	19
2004	18
2008	18
2007	16
2002	15
1925	13
1987	13

**Welcome!**

# Blacklight– A Discovery Tool?



## Limit your search

Format

Musical Recording ✕

129

Publication Year

2001

8

2005

8

1989

7

1990

7

2000

7

2006

7

1987

6

1992

6

2003

6

2004

6

Topic

Language

Call Number

Region

Era

You searched for: Format > Musical Recording ✕

[Start Over](#)

« Previous | 1 - 10 of 129 | Next »

Sort by relevance ▾

10 per page ▾

### 1. Cantatas

Bookmark

Title: Cantatas  
Author: Bach, Johann Sebastian, 1685-1750  
Format: Musical Recording  
Language: German  
Published: London  
Call number: AV1.2.B33 C32 v. 16 2007

### 2. Nothing is underrated

Bookmark

Title: Nothing is underrated  
Author: Lally, Joe  
Format: Musical Recording  
Language: English  
Published: Wash., D.C.

### 3. Pomme C

Bookmark

Title: Pomme C  
Author: Calogero  
Format: Musical Recording  
Language: French  
Published: S.I.

# Questions...



- *Editor* (Scribe) Interface Labels?
- Ordinal Position Conveying Items Context?
- Addition to or Deletion from Core Vocab?
- Line-in, Extension from Existing Schemas?
- Discipline, Community based Profile?
- How will Blacklight connect BF entities as intended?

# Employing IRI...

# Now



000 01255cam a2200301 a 45e  
001 3792771  
005 20130822135633.0  
008 910418s1991 nyu 000 1 eng  
010 \_\_ |a 91052940  
035 \_\_ |a (OCoLC)ocm15525100  
040 \_\_ |a DLC |c DLC |d DGW  
019 \_\_ |a 29774405  
020 \_\_ |a 0679405429  
050 00 |a PR4034 |b .P7 1991  
082 00 |a 823/.7 |2 20  
049 \_\_ |a DGWW  
100 1\_ |a Austen, Jane, |d 1775-1817. |0 <http://id.loc.gov/authorities/names/n79032879> |0 <http://viaf.org/viaf/102333412> |0 (viaf)102333412  
245 10 |a Pride and prejudice / |c Jane Austen ; with an introduction by Peter Conrad.  
260 \_\_ |a New York : |b Knopf : |b Distributed by Random House, |c c1991.  
300 \_\_ |a xxxix, 368 p. ; |c 22 cm.  
490 0\_ |a Everyman's library ; |v 1  
651 \_0 |a England |v Fiction.  
650 \_0 |a Young women |z England |v Fiction. |0 <http://id.loc.gov/authorities/subjects/sh2008124372>  
650 \_0 |a Courtship |v Fiction. |0 <http://id.loc.gov/authorities/subjects/sh2008100298>  
650 \_0 |a Sisters |v Fiction. |0 <http://id.loc.gov/authorities/subjects/sh2008111400>  
650 \_0 |a Domestic fiction, English. |0 <http://id.loc.gov/authorities/subjects/sh86004355>  
655 \_7 |a Love stories. |2 gsa

# Employing IRI...

# Now



```
<JRuEJ-49> a bf:Person ;
  bf:date "1775-1817." ;
  bf:hasAuthorityLink "(LoC)n79032879",
    "(viaf)102333412",
    "http://id.loc.gov/authorities/names/n79032879",
    "http://viaf.org/viaf/102333412" ;
  bf:name "Austen, Jane," ;
  bf:sf-0 "(LoC)n79032879",
    "(viaf)102333412",
    "http://id.loc.gov/authorities/names/n79032879",
    "http://viaf.org/viaf/102333412" ;
  bf:sf-a "Austen, Jane," ;
  bf:sf-d "1775-1817." .

<09tbv-no> a bf:Topic ;
  bf:formSubdivision "Fiction." ;
  bf:hasAuthorityLink "http://id.loc.gov/authorities/subjects/sh2008111400" ;
  bf:name "Sisters" ;
  bf:sf-0 "http://id.loc.gov/authorities/subjects/sh2008111400" ;
  bf:sf-a "Sisters" ;
  bf:sf-v "Fiction." .

<X-pFipxf> a bf:Genre ;
  bf:name "Love stories." ;
  bf:sf-2 "gsafd" ;
  bf:sf-a "Love stories." ;
  bf:source "gsafd" .

<cRmBiyH7> a bf:Place ;
  bf:formSubdivision "Fiction." ;
  bf:name "England" ;
  bf:sf-a "England" ;
  bf:sf-v "Fiction." .

<h7_3I0_Y> a bf:Topic ;
  bf:hasAuthorityLink "(uri)http://id.loc.gov/authorities/subjects/sh86004355" ;
  bf:name "Domestic fiction, English." ;
  bf:sf-0 "(uri)http://id.loc.gov/authorities/subjects/sh86004355" ;
  bf:sf-a "Domestic fiction, English." .
```



Modified: [www.flaticon.com](http://www.flaticon.com)

# The Linkable Molly Brown



- **The Denver Public Library team proposed the following concept:**

Molly Brown (noun), a historic Denver resident (noun). It would be great to link the physical house in Denver to biographies in the catalog and information about the Titanic (she survived (verb) the sinking of the Titanic) or the Suffragist movement (noun) (she was (verb) one of the first women to run for political office in the US)

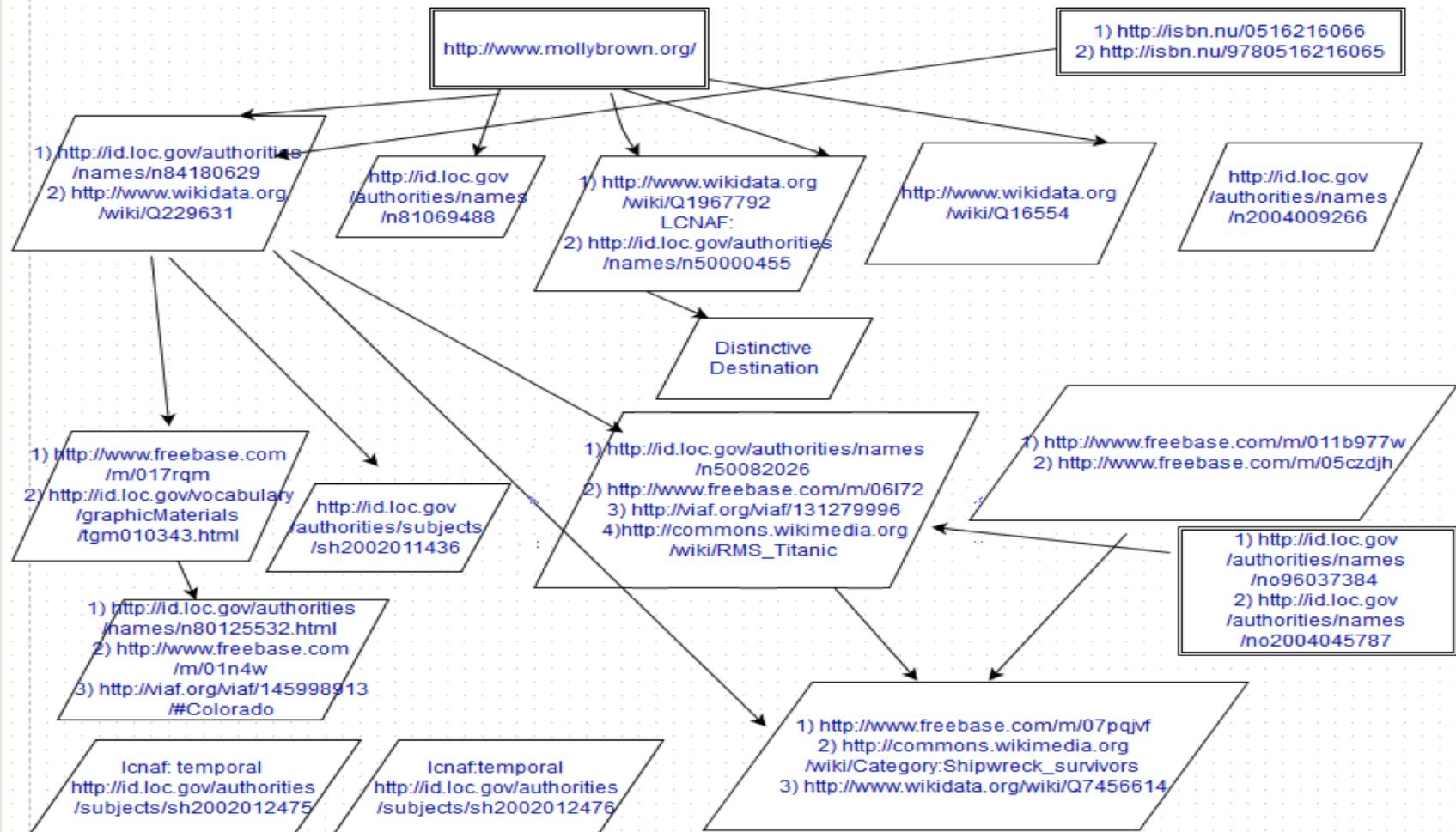
The house would be an authority resource for the place = **The Molly Brown house** <http://www.mollybrown.org/> <http://www.history.com/topics/titanic>

The biography would be a work: *Molly Brown : sharing her good fortune*  
<http://catalog.denverlibrary.org/search/title.aspx?ctx=1.1033.0.0.6&cn=386714>  
A physical copy of the book would be an instance.

Molly Brown "is part of" the Suffragist movement

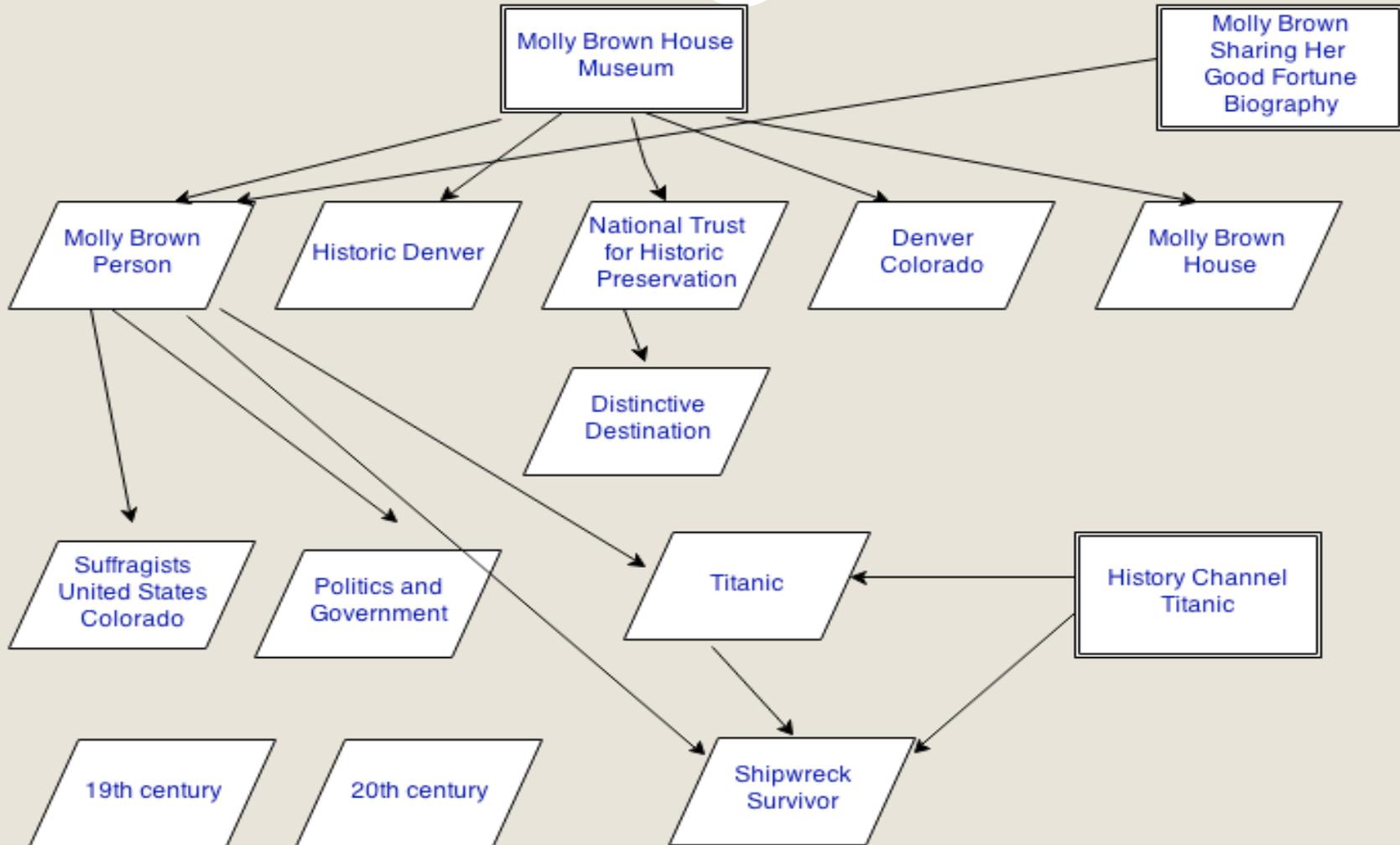
# The Linkable Molly Brown

The team at George Washington University brainstormed and produced this draft:



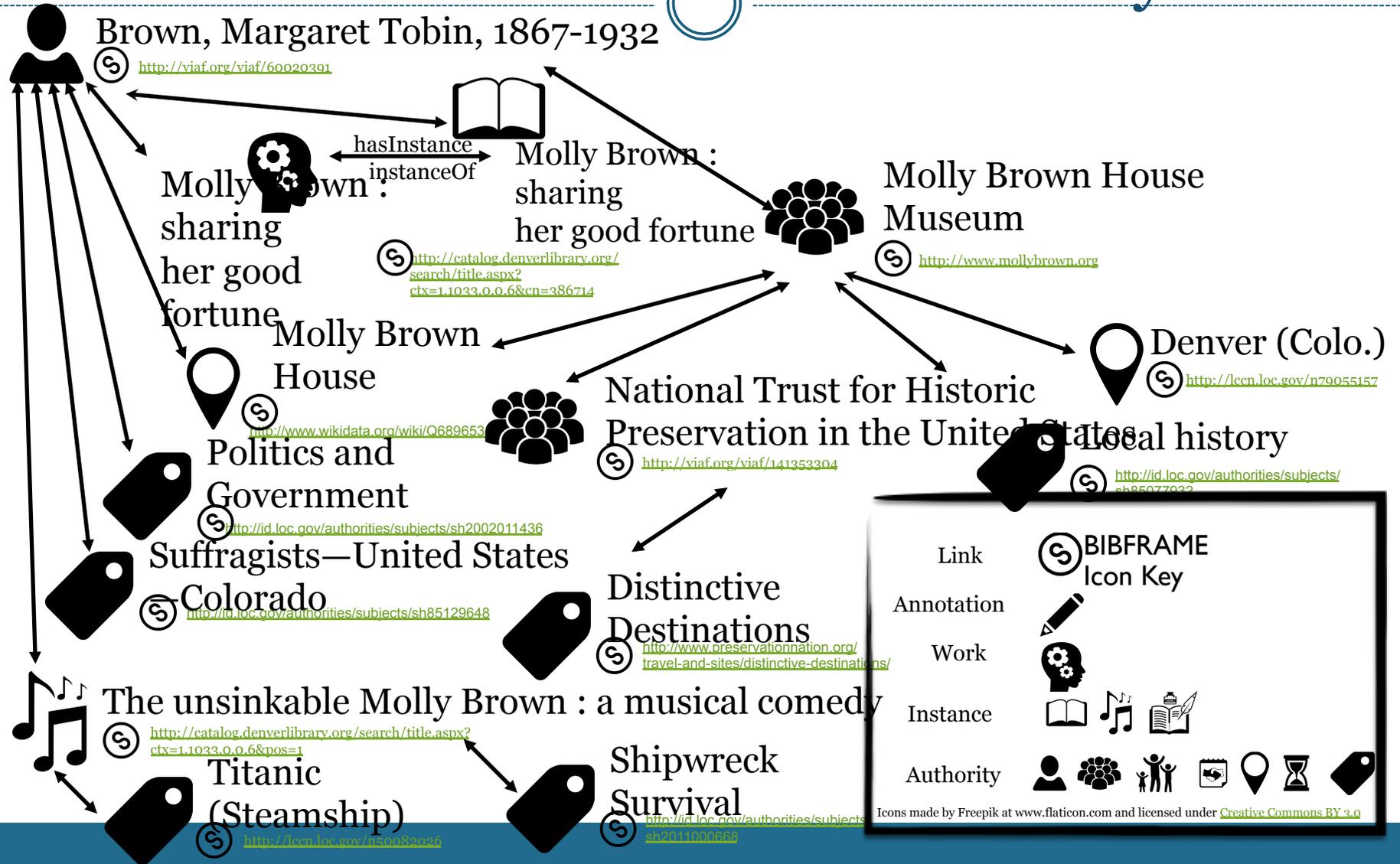
# The Linkable Molly Brown

The team at George Washington University brainstormed and produced this draft:



# Then Zepheira Took a Turn:

# The Linkable Molly Brown



# BF Becoming More Real in 2015...



- Experimenting Core-lite, Line-in or Modular approach to profile or vocabulary
- Pilots for original records inputting using BF (LD4L and LC)
- TIGER Catalog & Flask-BIBFRAME Extension (Colorado College)
- ...

*Thank You!*