

**#bibframe**

**The Bibliographic Framework Initiative –  
a Foundation for the Future of Bibliographic Description**

**A New Data Model,  
a New Metadata Vocabulary,  
and a New Bibliographic Environment  
for the Library Community**



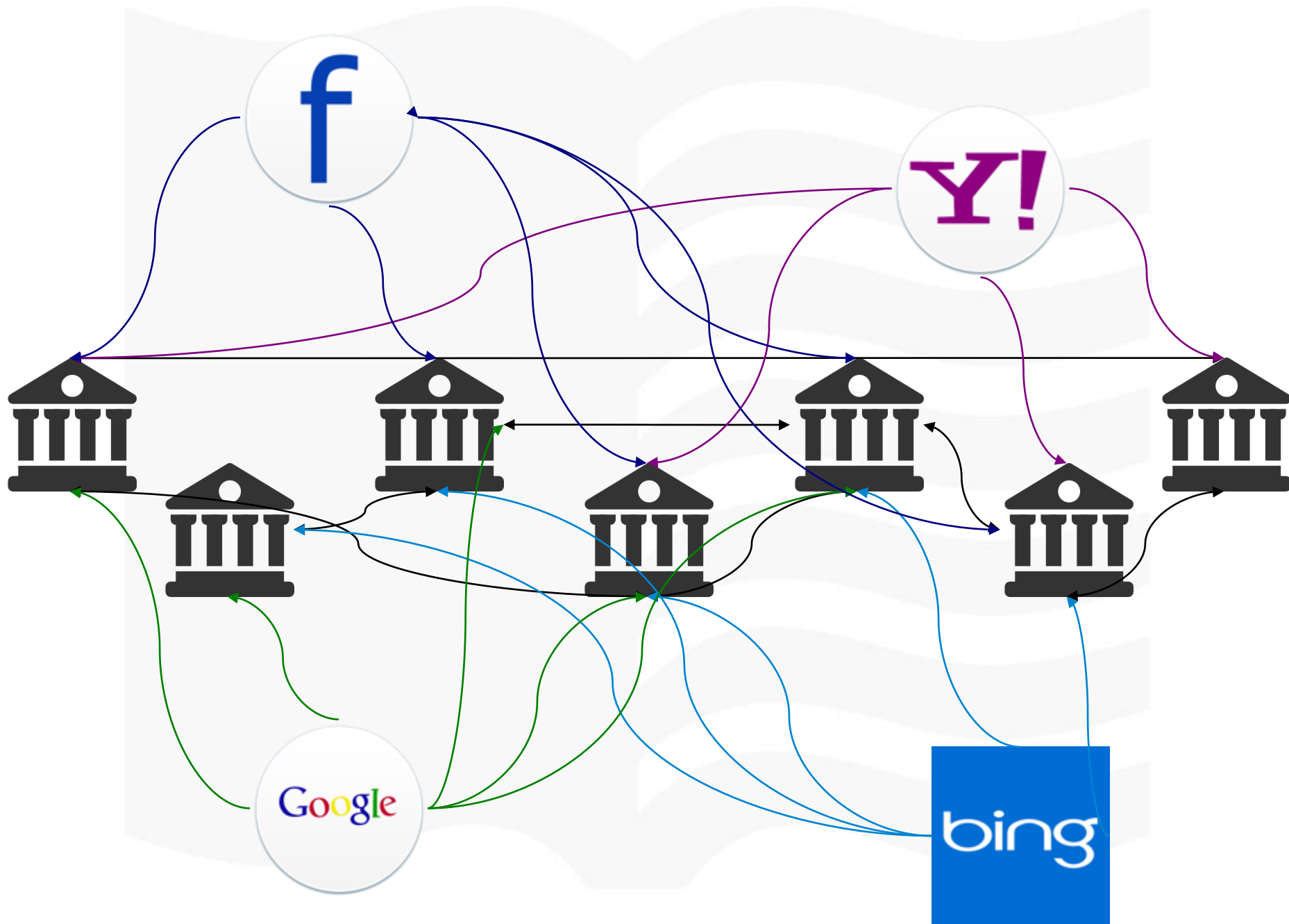
**LIBRARY OF CONGRESS**

Nate Trail [ntra@loc.gov]

**December 9, 2014**

CNI, Washington, DC

**The Bibliographic Framework Initiative will re-imagine and implement a bibliographic environment for a post-MARC, networked world.**



## What is BIBFRAME all about?

We want to get our resources in the hands of our patrons, wherever they are.

We want our data to work well in and on the web.

We need to convert our string-based data into an entity-based system, emphasizing the **relationships** between things.

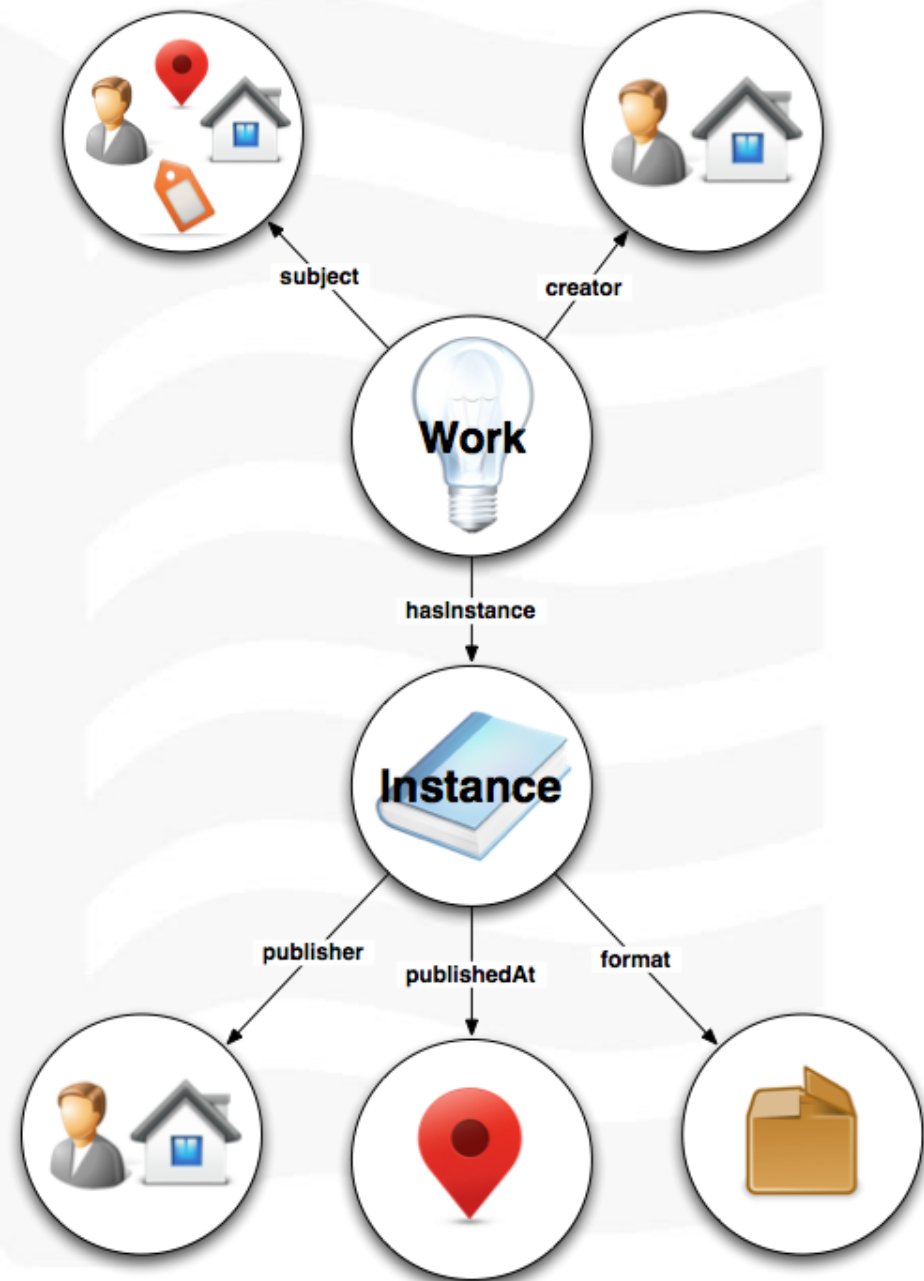
# BIBFRAME Core Classes

Work

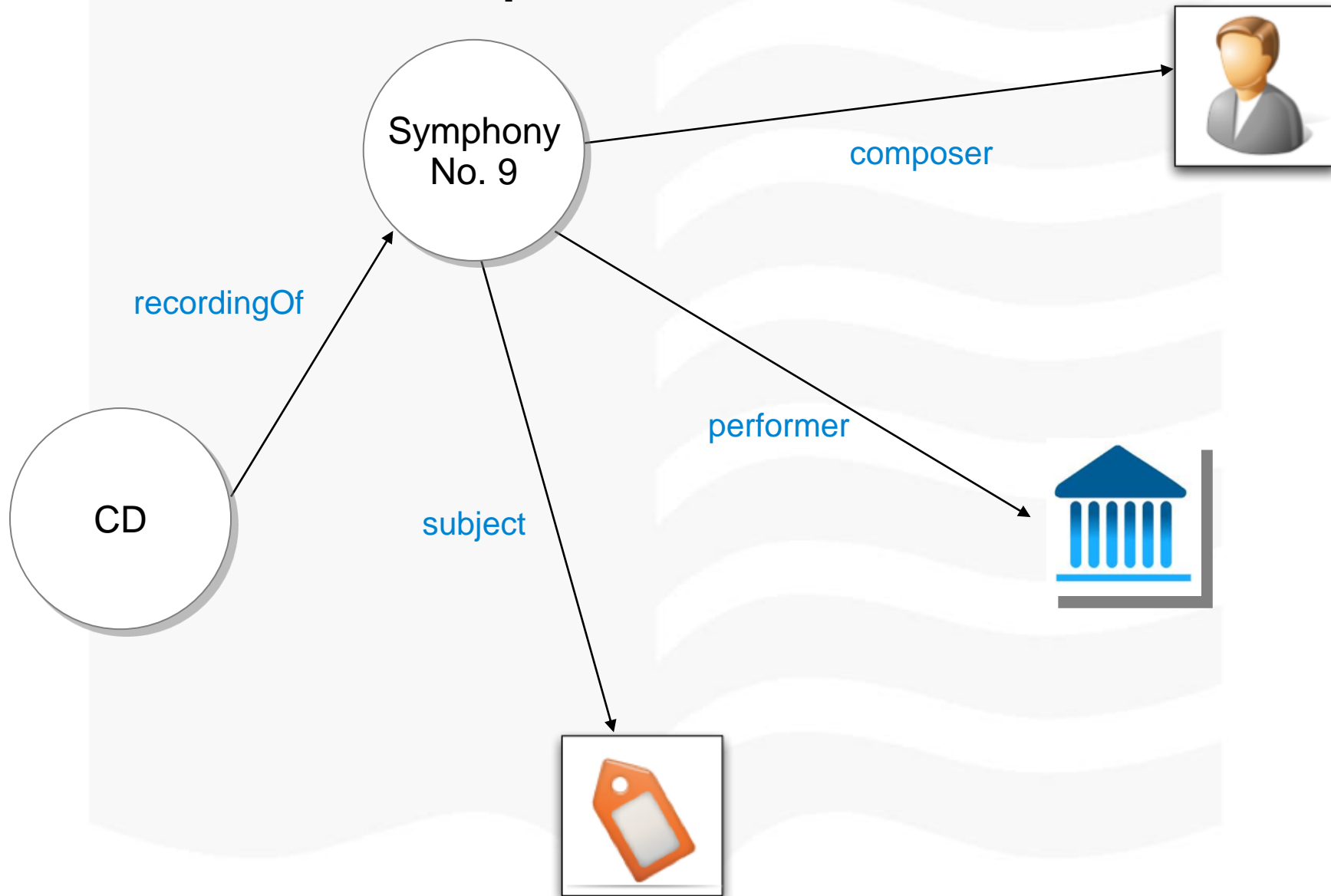
Instance

Authority

Annotation



## BIBFRAME Example



## BIBFRAME History

**2011**

BIBFRAME Initiative first announced; LC publishes general plan

**2012**

Zepheira helped evaluate related initiatives and data modeling,

LC publishes high-level model, early experimentation begins

**2013**

<http://www.loc.gov/bibframe/> and <http://bibframe.org/> established; includes a draft vocabulary and transformation code from MARC to BIBFRAME.

## 2014

Vocabulary 1.0. Implementation

Basic BIBFRAME Editor release

Experiments begin (testbed, implementation register)

Expect to update the vocabulary soon, based on  
feedback



## **BIBFRAME Testbed / Implementers**

### **Music Library Association (MLA)**

The Music Library Association is working to examine the MARC to BIBFRAME Transformation Service as it relates to music materials.

### **National Library of Medicine**

Focus on developing a core BIBFRAME vocabulary, extended by RDA Elements.

### **Columbia University Libraries**

As part of the 2CUL Technical Services Initiative, a collaboration between Cornell and Columbia University Libraries, we are testing the BF vocabulary and data model by converting MARC and MODS records ... [and] test the BIBFRAME Editor for the creation of new BIBFRAME descriptions.

### **Princeton University Library**

BIBFRAME Analysis, second phase

## **BIBFRAME Testbed / Implementers (cont.)**

### **George Washington University**

Focus on modeling, best practices, user interfaces, indexing issues.

### **German National Library**

BIBFRAME prototype in DNB OPAC

### **Cornell University Library**

Beyond our use of BIBFRAME for LD4L (see also Stanford's registry entry), Cornell is assessing the BIBFRAME Converter as tool for manually creating original BIBFRAME.

### **Biblioteca Nacional de Cuba “José Martí” (BNJM)**

Retrospective conversion using BIBFRAME

### **Stanford University**

Linked Data for Libraries (LD4L) project with Cornell, Harvard LD4L plans to use BIBFRAME as the common model for all bibliographic data. Focus will be on MARC data conversion and ... other standards (e.g. MODS) as well.

### **Colorado College**

TIGER Web Catalog & Flask-BIBFRAME Extension

## 2015 + Projects : Contracts

### SRU: the Web based Search/Retrieve protocol

#### Contract 1:

Upgrade SRU/Metaproxy to return results in BIBFRAME format when searching a catalog of **MARC** data.

Indexdata has finished this contract and released the update.

#### Contract 2:

Upgrade SRU/Metaproxy to search a native BIBFRAME database and return **BIBFRAME** data.

Currently underway.

## 2015 + Projects : Contracts (cont.)

### New projects: Contracts

#### Search/Retrieve Contract

This contract will create a basic search/retrieve system to allow users to find and display BIBFRAME data in a native RDF database. Contract awarded to Influx Library User Experience.

#### Profile Editor

The BIBFRAME editor uses profiles to allow data entry of particular types of cataloging, so a particular project or format can have a base set of properties pre-populated or constrained.

This profile edit contract will create a product that allows easier setup of profiles. Contract awarded to Smart Software Solutions, INC.

## **2015 + Projects : Infrastructure**

### **Supporting Infrastructure Improvements**

Improvements at ID.LOC.GOV

Add more controlled lists, vocabularies

BIBFRAME Tools will be updated to match changes to the vocabulary.

## 2015 + Projects

### New project: Data Entry Pilot

Pilot of data entry with a number of catalogers across formats.

Share infrastructure, code with external partners, to minimize duplication of effort.

Examine how data is entered, indexed, searched, displayed, and stored.



## Questions?

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LC BIBFRAME website

<http://www.loc.gov/bibframe/>

BIBFRAME Vocabulary

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

BIBFRAME Tools

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

Compare MARC-2-BIBFRAME

<http://bibframe.org/tools/compare/>

<http://bibframe.org/tools/transform/start>

BIBFRAME Editor

<http://bibframe.org/tools/editor/>

Listserv

<http://listserv.loc.gov/listarch/bibframe.html>

Code Repository

<https://github.com/lcnetdev/>



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