

BIBFRAME Authorities: A High-level Overview

BIBFRAME Authorities

OUTLINE

BIBFRAME Intro

BIBFRAME Authority

- History behind this presentation

- A light-weight abstraction layer

- Linking to “library” authority resources

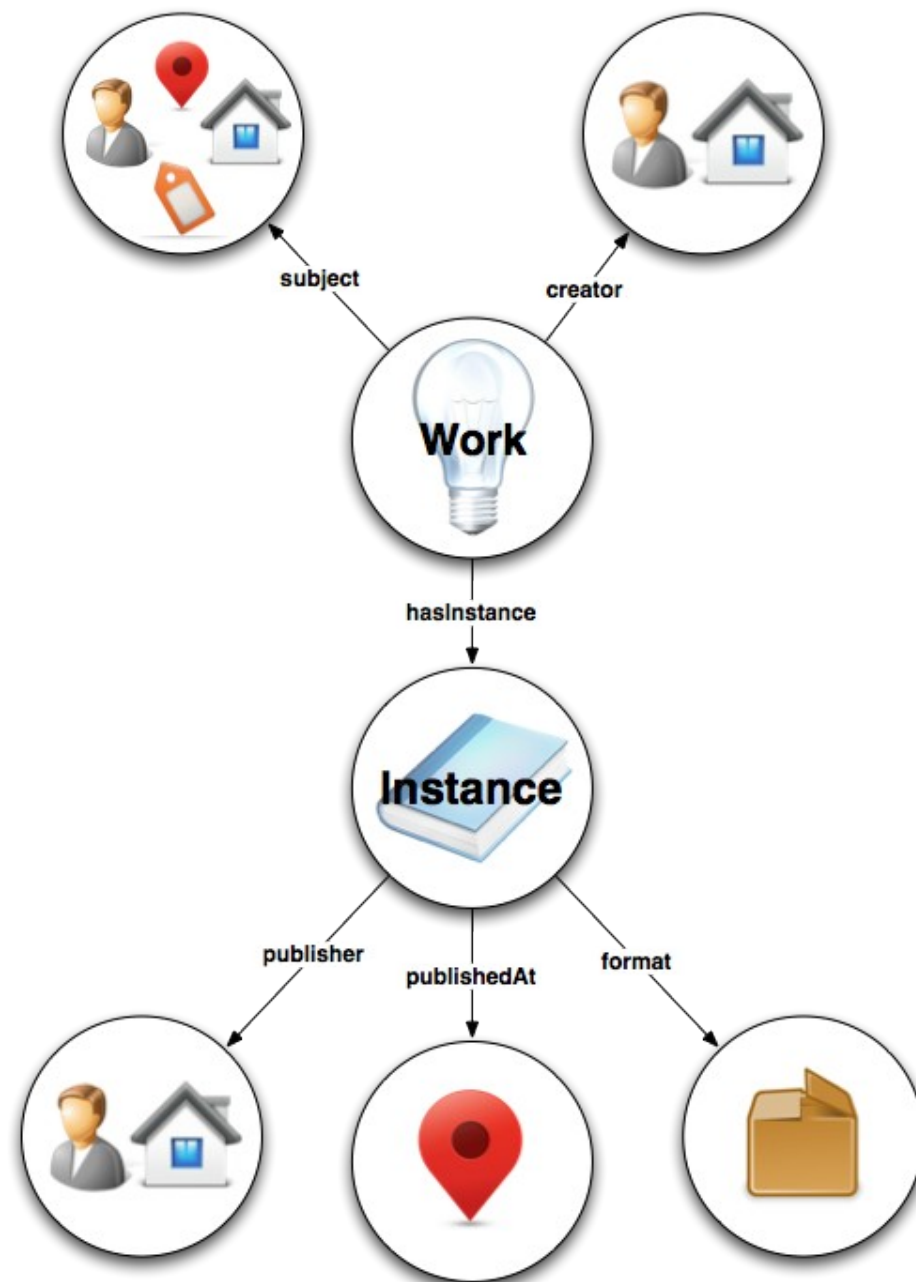
- Extensible

Issues

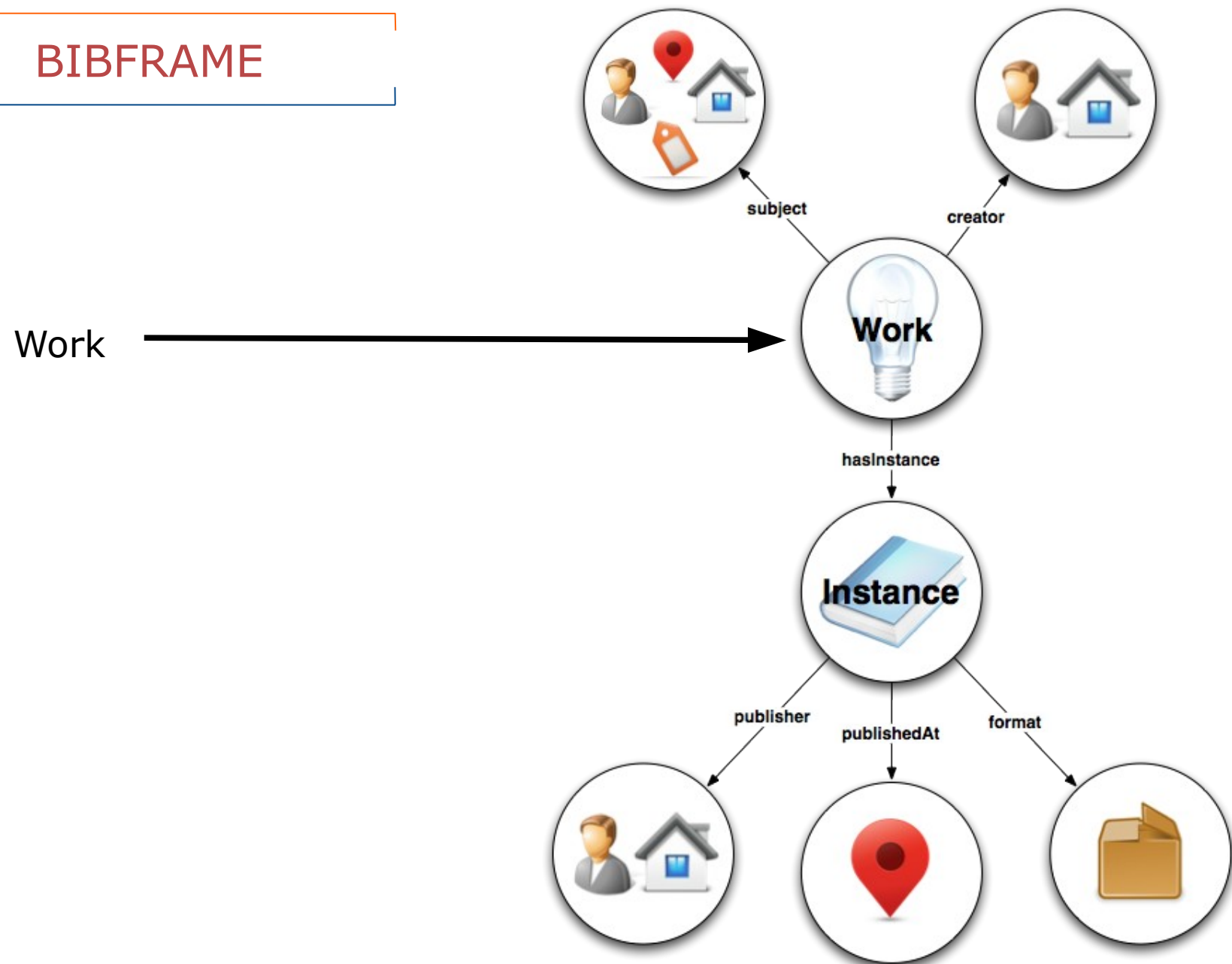
Current work

BIBFRAME

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

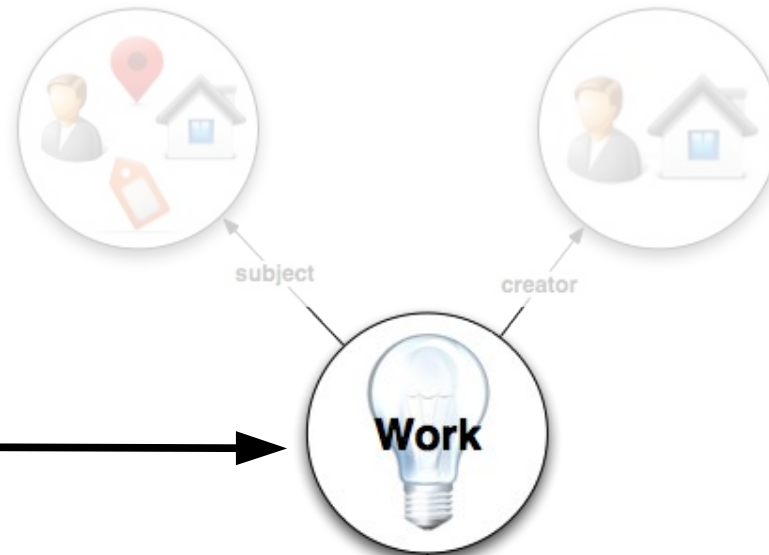


BIBFRAME

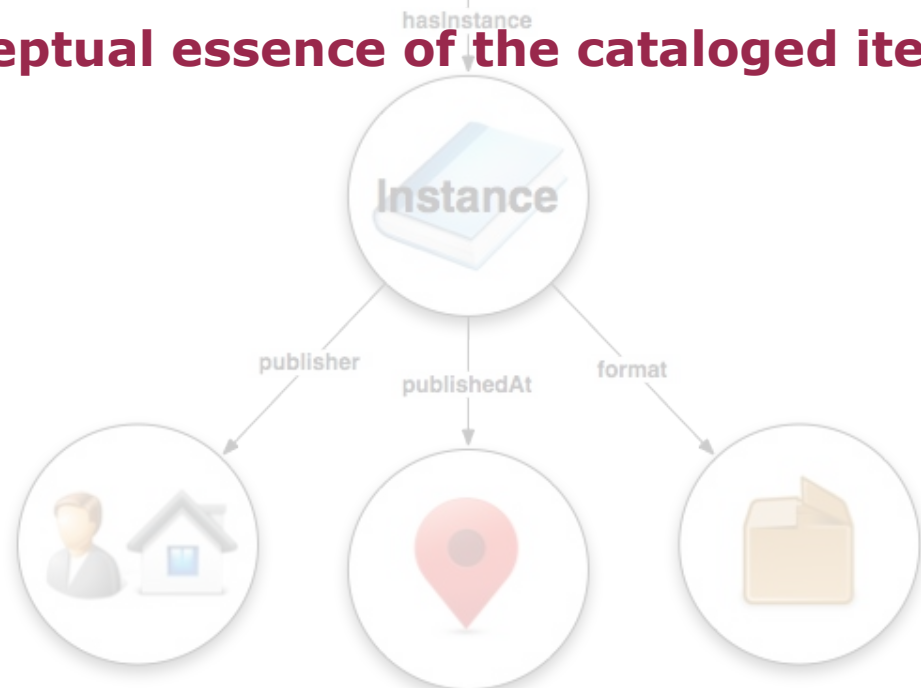


BIBFRAME

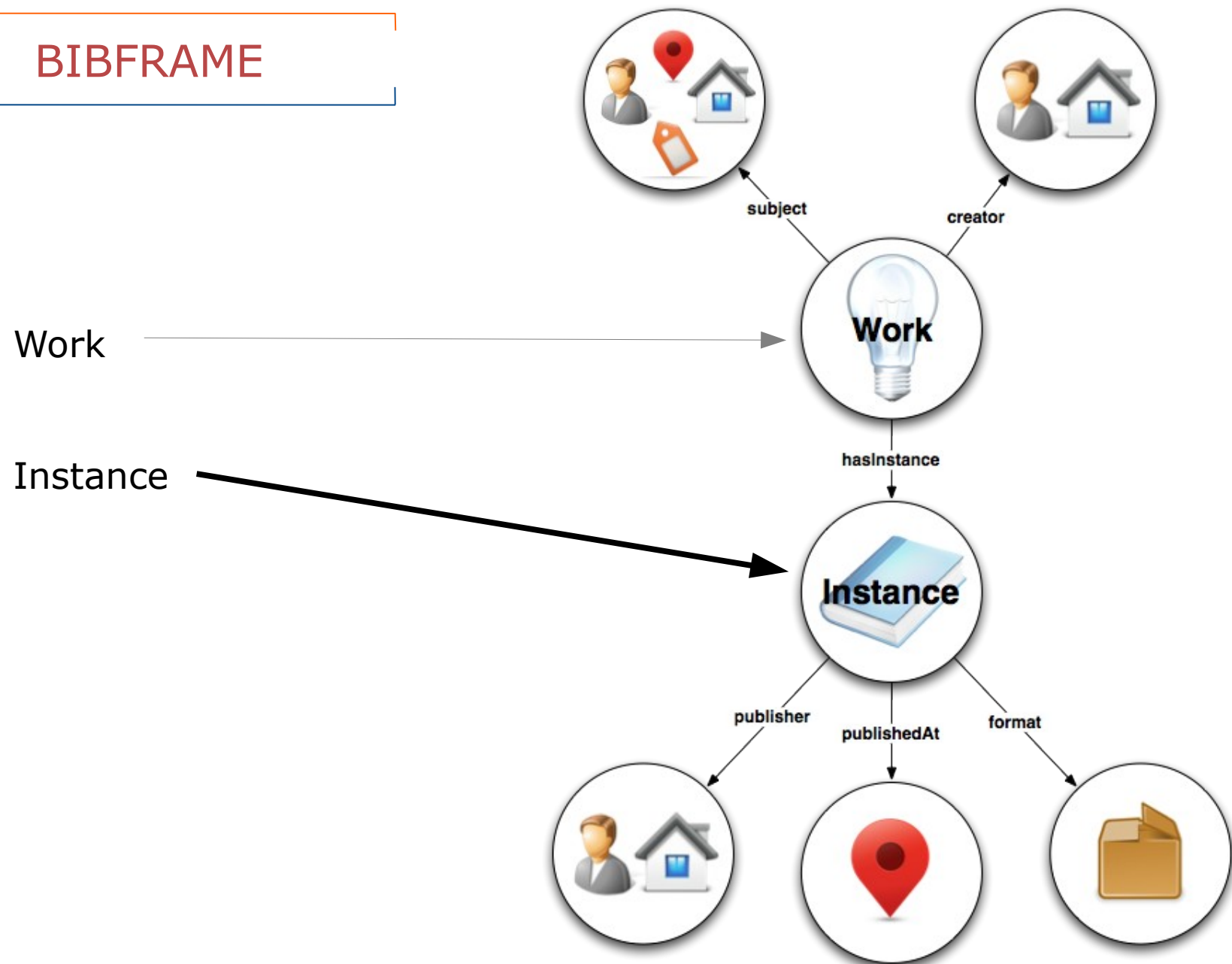
Work



Resource reflecting the conceptual essence of the cataloged item



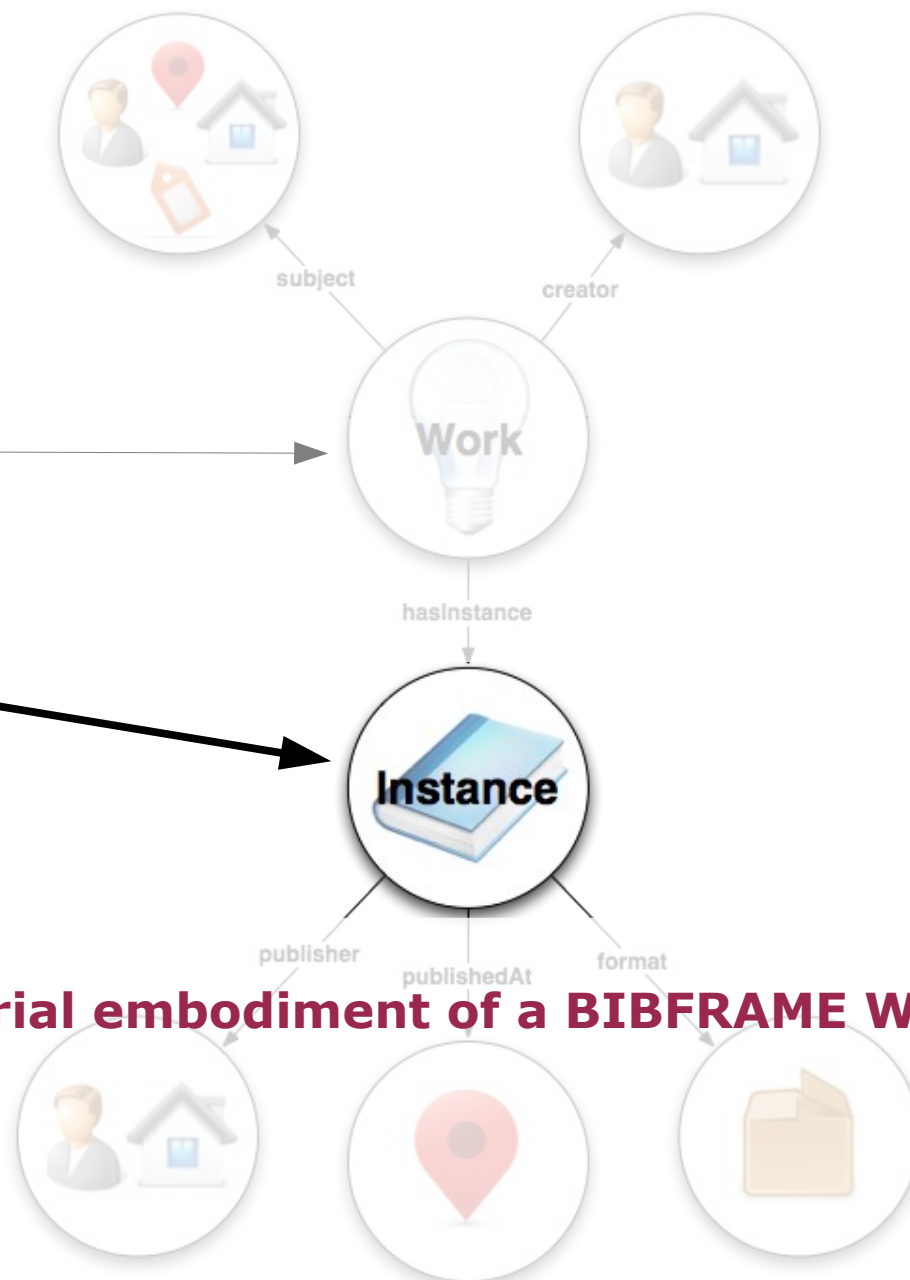
BIBFRAME



BIBFRAME

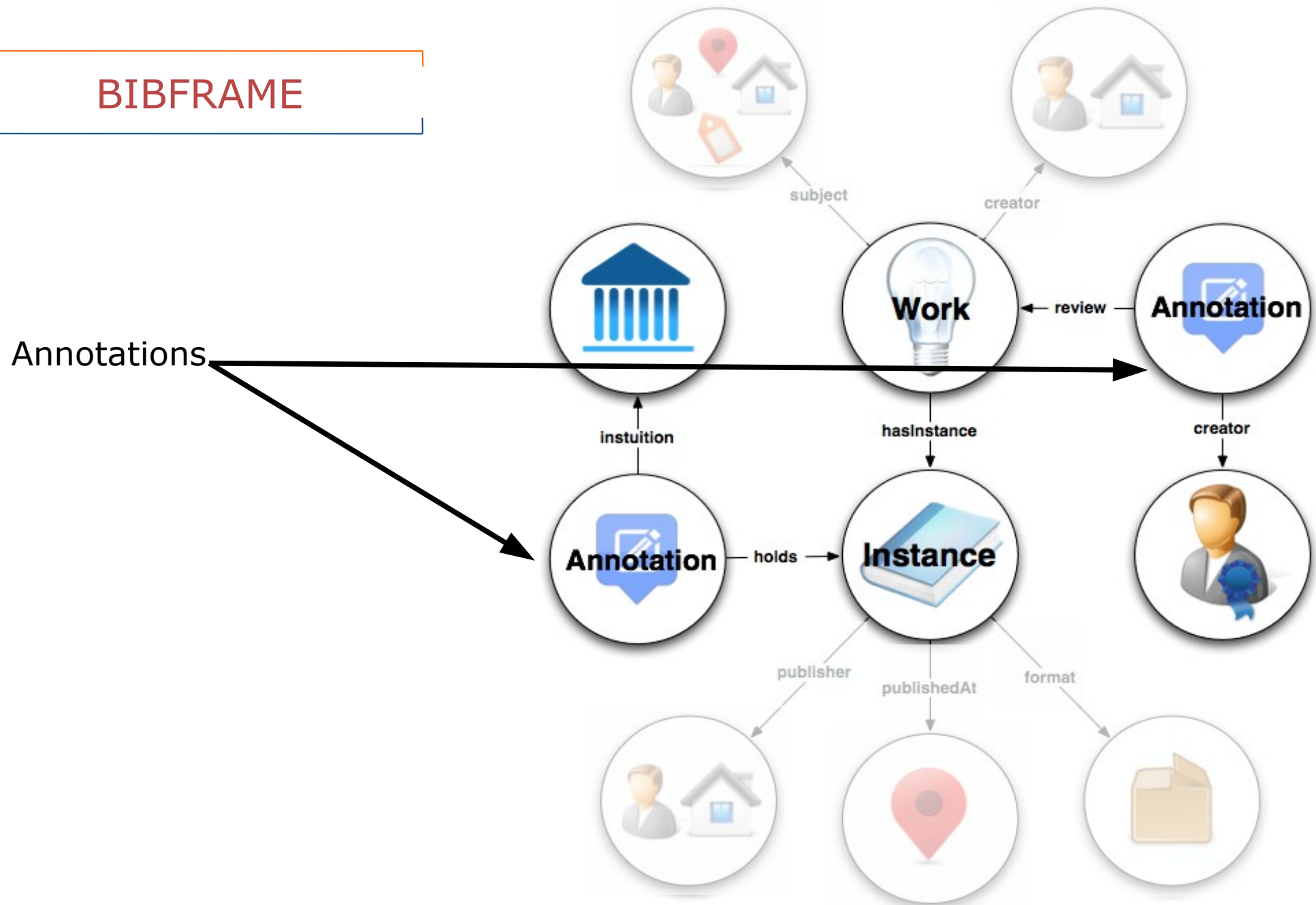
Work

Instance



Resource reflecting a material embodiment of a BIBFRAME Work

BIBFRAME



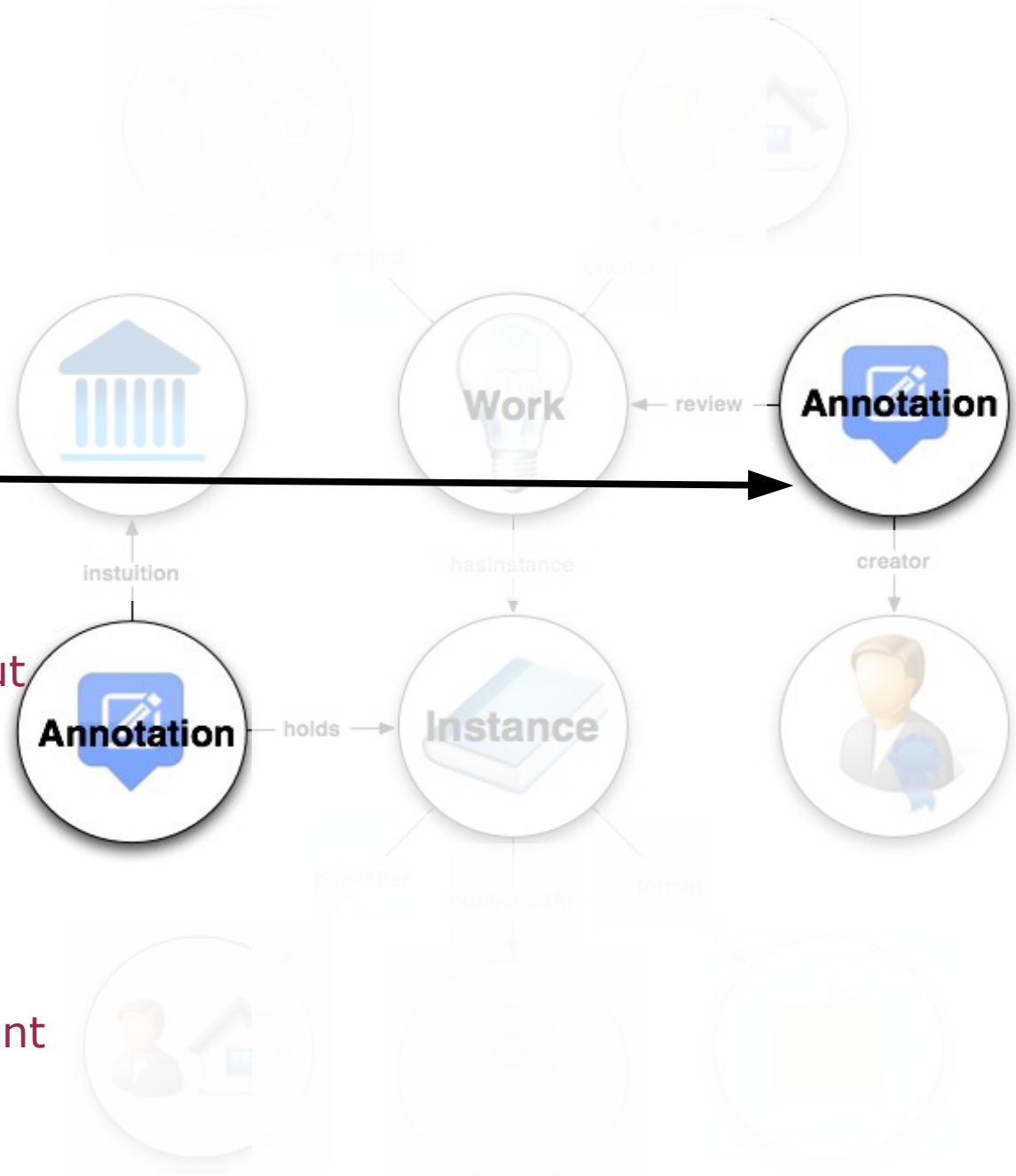
BIBFRAME

Annotations

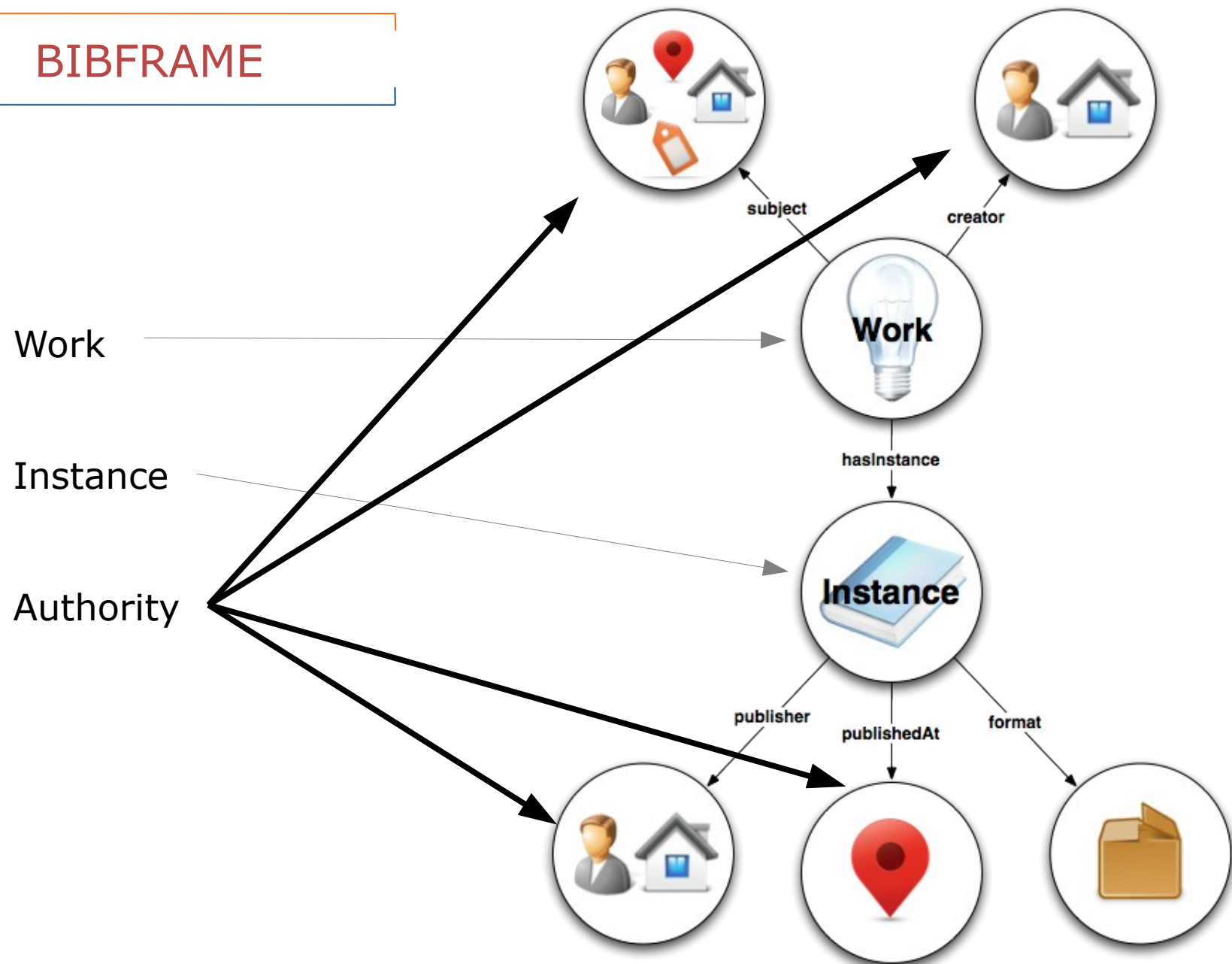
Annotations are assertions about the other core class elements.

Annotations matter when it is important to know *who* makes an assertion.

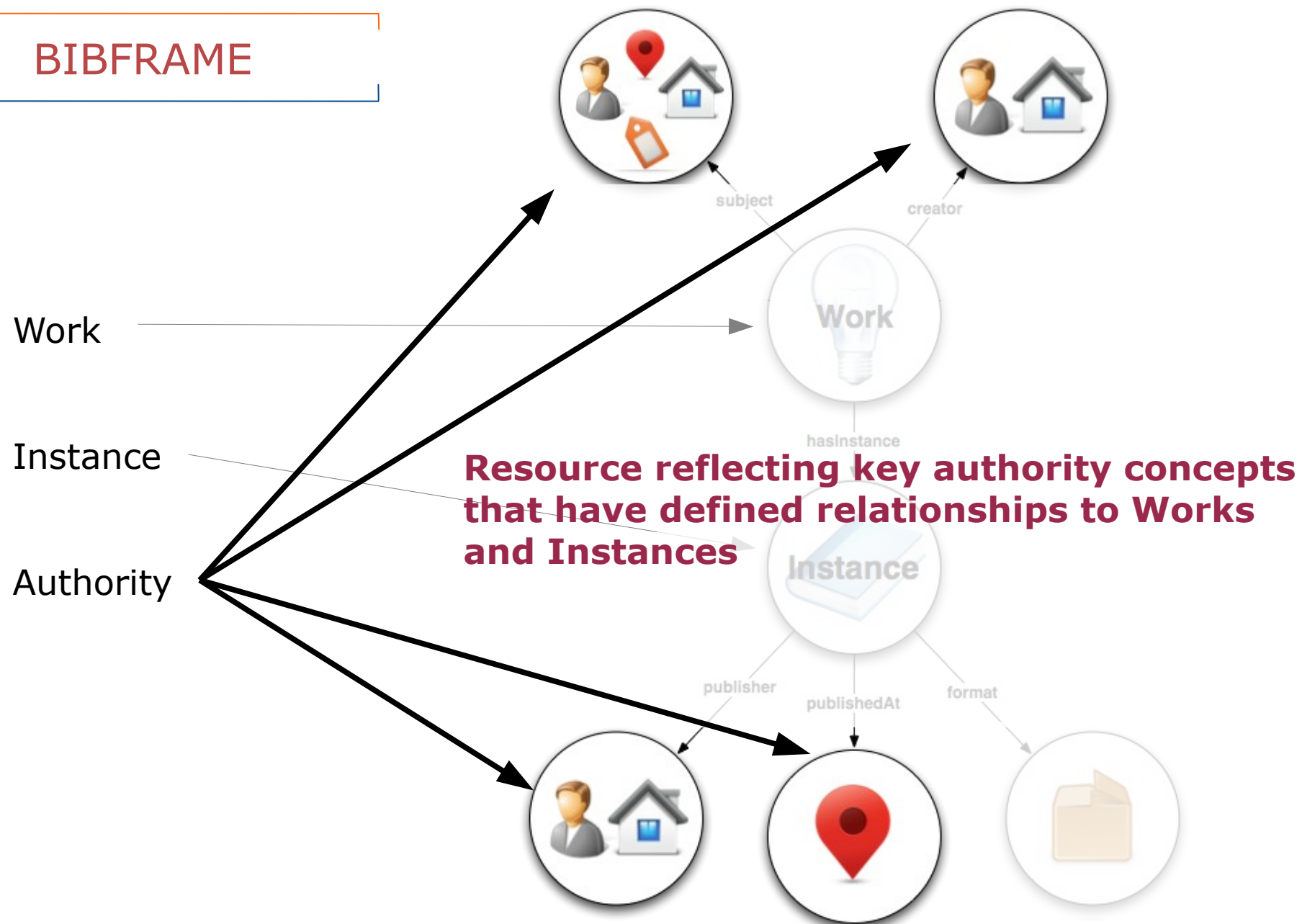
Annotations are no less important than Work or Instances or Authorities.



BIBFRAME



BIBFRAME

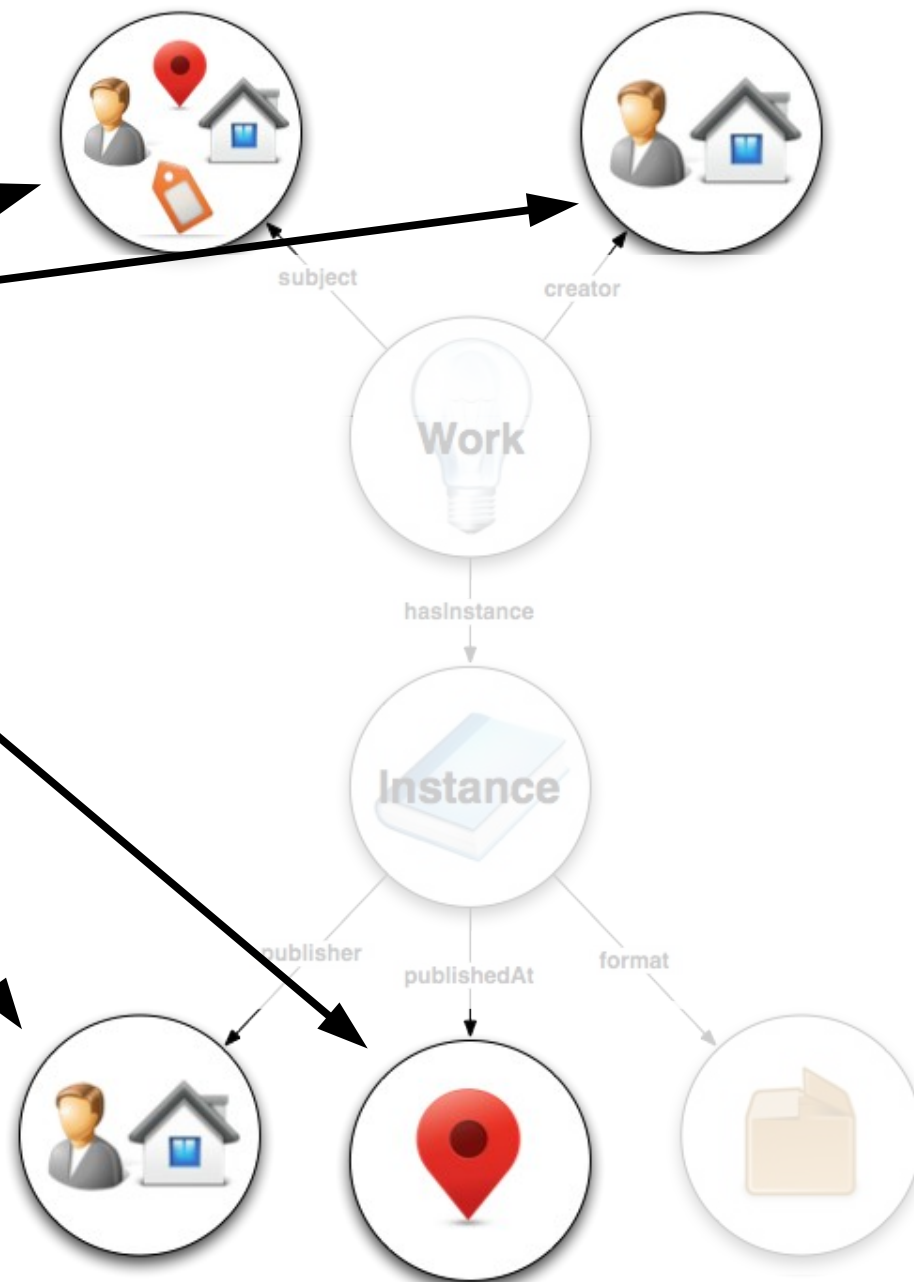


BIBFRAME

Authority

For a

**Person
Organization
Family
Meeting
Jurisdiction
Place
Topic
Temporal Concept**



BIBFRAME Authority

From “Bibliographic Framework as a Web of Data: Linked Data Model and Supporting Services”
Pg 11.

[BIBFRAME] Authorities are not designed to compete or replace existing authority efforts but rather provide a common, light-weight abstraction layer over various different Web based authority efforts to make them even more effective.

BIBFRAME Authority

<<http://example.org/works/1>> a bf:Work;
bf:authorizedAccessPoint "Schulz, Charles M. (Charles Monroe), 1922-2000. Snoopy and his Sopwith Camel";
bf:classificationLcc <<http://id.loc.gov/authorities/classification/NC1429>>;
bf:creator <<http://example.org/authorities/1>>;
bf:intendedAudience <<http://id.loc.gov/vocabulary/test/targetAudiences/juv>>;
bf:language <<http://id.loc.gov/vocabulary/languages/eng>>;
bf:title "Snoopy and his Sopwith Camel".

<<http://example.org/authorities/1>> a bf:Person;
bf:authorizedAccessPoint "Schulz, Charles M. (Charles Monroe), 1922-2000.";
bf:hasAuthority <<http://id.loc.gov/authorities/names/n79021850>>.

BIBFRAME Authority

The “Direct” Approach:

```
<http://example.org/works/1> a bf:Work;  
    bf:authorizedAccessPoint "Schulz, Charles M. (Charles Monroe), 1922-2000. Snoopy  
and his Sopwith Camel";  
    bf:classificationLcc <http://id.loc.gov/authorities/classification/NC1429>;  
    bf:creator <http://id.loc.gov/authorities/names/n79021850>;  
    bf:intendedAudience <http://id.loc.gov/vocabulary/test/targetAudiences/juv>;  
    bf:language <http://id.loc.gov/vocabulary/languages/eng>;  
    bf:title "Snoopy and his Sopwith Camel".
```

BIBFRAME Authority

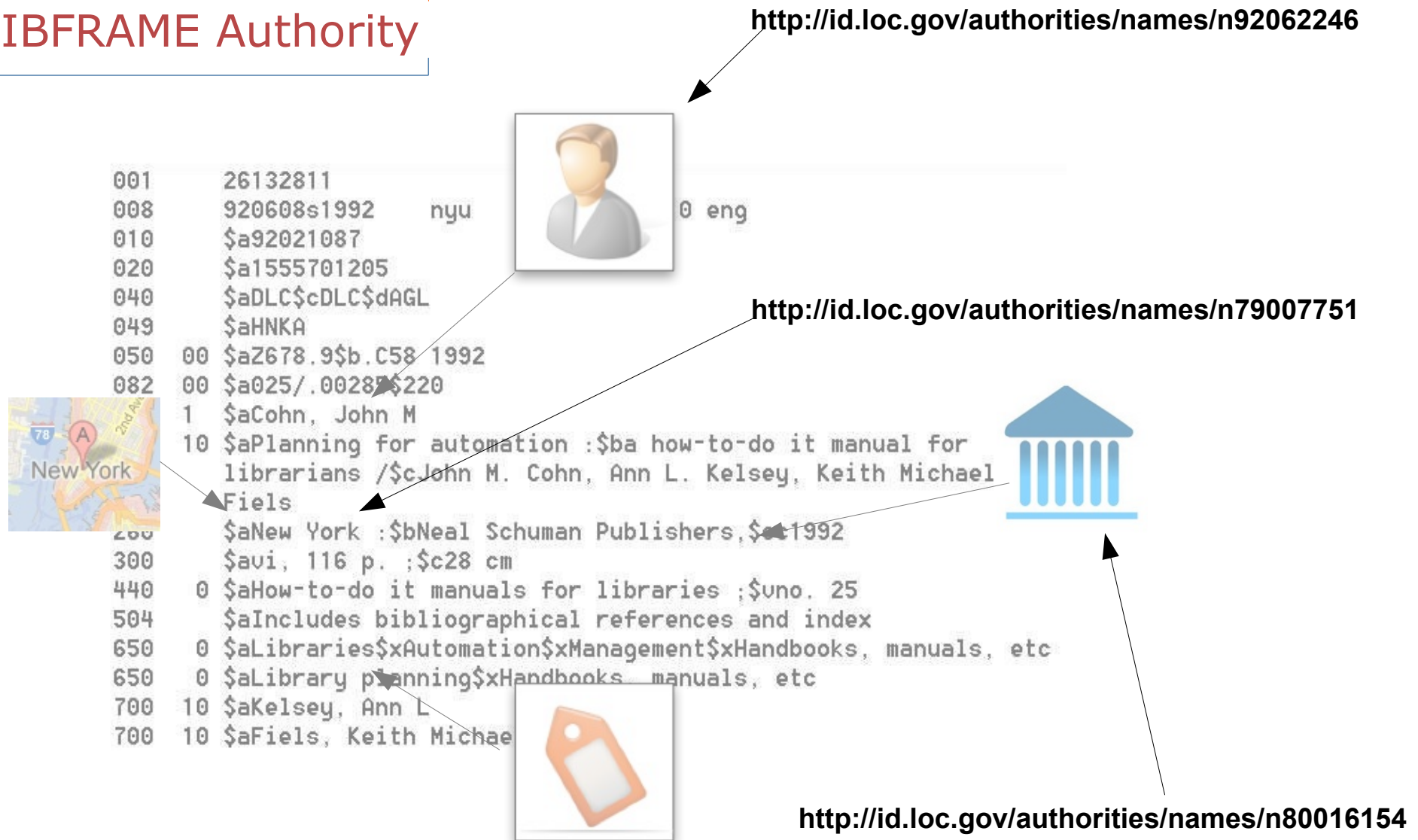
001 26132811
 008 920608s1992 nyu
 010 \$a92021087
 020 \$a1555701205
 040 \$aDLC\$cDLC\$dAGL
 049 \$aHNKA
 050 00 \$aZ678.9\$b.C58 1992
 082 00 \$a025/.00287 \$220
 1 \$aCohn, John M
 10 \$aPlanning for automation : \$ba how-to-do it manual for librarians / \$cJohn M. Cohn, Ann L. Kelsey, Keith Michael Fiels
 260 \$aNew York : \$bNeal Schuman Publishers, \$c1992
 300 \$avi, 116 p. ; \$c28 cm
 440 0 \$aHow-to-do it manuals for libraries ; \$uno. 25
 504 \$aIncludes bibliographical references and index
 650 0 \$aLibraries \$xAutomation \$xManagement \$xHandbooks, manuals, etc
 650 0 \$aLibrary planning \$xHandbooks, manuals, etc
 700 10 \$aKelsey, Ann L
 700 10 \$aFiels, Keith Michael






0 eng

BIBFRAME Authority



BIBFRAME Authority

363 days ago...

ALA MW Seattle, WA – ALCTS CaMMS Subject Analysis Committee

9 months ago

On BIBFRAME Authority paper published

6 months ago

Revision of *On BIBFRAME Authority* issued.

BIBFRAME Authority

Evolution of thinking:

- 1) Don't like Abstraction Layer (basically the BIBFRAME Authority).
But, we can capture publisher, e.g., info with BF Authorities.
LCSH?
- 2) Abstraction Layer probably not a bad idea,
too many exceptions otherwise.
Is capturing publisher information with BF Authorities a good idea?
LCSH?
- 3)* OK, Abstraction Layer should be mandatory.
Also, publisher info out of scope for BIBFRAME Authorities.
LCSH? OK, we'll try this....

*** Thoughts subject to change at a later date.**

BIBFRAME Authority

Benefits of the BIBFRAME Authority (aka Abstraction Layer):

- 1) Local access point, especially via HTTP URI.**
- 2) Although each BIBFRAME installation might have one BIBFRAME Authority for each entity, still significantly reduces maintenance.**
- 3) BIBFRAME Authorities locally extensible.**

BIBFRAME Authority

```
<http://example.org/authorities/1> a bf:Person;  
  bf:authorizedAccessPoint "Schulz, Charles M. (Charles Monroe), 1922-2000.";  
  bf:hasAuthority <http://id.loc.gov/authorities/names/n79021850>.
```

BIBFRAME Authority

```
<http://example.org/authorities/1> a bf:Person;  
  bf:authorizedAccessPoint "Schulz, Charles M. (Charles Monroe), 1922-2000.";  
  bf:hasAuthority <http://id.loc.gov/authorities/names/n79021850>  
  
  dbpedia-owl:abstract "Charles Schulz was .... Peanuts."@en;  
  foaf:depiction <http://upload.wikimedia.org/.../b/ba/Charles_Schulz_NYWTS.jpg>;  
  foaf:isPrimaryTopicOf <http://en.wikipedia.org/wiki/Charles_M._Schulz>;  
  
  bf:variantLabel "Schulz, Sparky, 1922-2000".
```

BIBFRAME Authority

<<http://example.org/authorities/2>> a bf:Person ;

bf:authorizedAccessPoint “Darwin, Charles, 1809-1882” ;

bf:hasAuthority <<http://id.loc.gov/authorities/names/n78095637>> ;

BIBFRAME Authority

<http://example.org/authorities/2> a bf:Person ;

bf:authorizedAccessPoint “Darwin, Charles, 1809-1882” ;
bf:hasAuthority <http://id.loc.gov/authorities/names/n78095637> ;

bf:variantLabel “Darwin, Charles Robert, 1809-1882” ;
bf:variantLabel “達爾文 , 1809-1882” ;
bf:variantLabel “1882–1809, تشارلز داروين” ;

bf:bioSource <http://dbpedia.org/resource/Charles_Darwin> ;
dbpprop:fields <http://dbpedia.org/resource/Natural_history> ;
foaf:depiction <http://upload.wikimedia.org/Charles_Darwin_seated_crop.jpg>

BIBFRAME Authority

LCSH

Pre-coordination poses challenge.

Risk weighing down, or replicating, entire constructs in BIBFRAME.

Decision: link to, or generate, a MADS/RDF resource for concept.

BIBFRAME Authority

LCSH

```
<bf:Topic rdf:about= "http://example.org/authority/www--social-aspects">
  <bf:authorizedAccessPoint>World Wide Web--Social Aspects</bf:authorizedAccessPoint>

  <bf:hasAuthority>

    <madsrdf:ComplexSubject>
      <madsrdf:authoritativeLabel>World Wide Web--Social aspects</madsrdf:authoritativeLabel>
      <madsrdf:componentList rdf:parseType="Collection">
        <madsrdf:Topic>
          <madsrdf:authoritativeLabel>World Wide Web</madsrdf:authoritativeLabel>
        </madsrdf:Topic>
        <madsrdf:Topic>
          <madsrdf:authoritativeLabel>Social aspects</madsrdf:authoritativeLabel>
        </madsrdf:Topic>
      </madsrdf:componentList>
    </madsrdf:ComplexSubject>

  </bf:hasAuthority>

</bf:Topic>
```

BIBFRAME Authority

Issues/Ideas

The “Direct” Approach
Introduces variability. What if a name or concept does not have a defined URI?

Anomalous Data
\$e is “supposed compeser.” for example
Possible to use BF Authority model.

BIBFRAME Authority

Issues/Ideas (cont'd)

RoleResource

Class that abstracts Role information.

Accommodated, but clunky and ideally avoided.

```
<http://bibframe/work/eloise-in-paris> a <bf:Book>;  
  <bf:agentRole> <http://bibframe/role/abcdef>;  
  <bf:title> "Eloise in Paris".
```

```
<http://bibframe/role/abcdef> a <bf:Role>;  
  <bf:relatedPerson> <http://bibframe/auth/person/kay-thompson>;  
  <bf:relationToResource> "author of".
```

```
<http://bibframe/auth/person/kay-thompson> a bf:Person;  
  <bf:authorizedAccessPoint> "Thompson, Kay, 1909-1998";  
  <bf:hasAuthority> <http://id.loc.gov/authorities/names/n94099449>.
```

BIBFRAME Authority

The screenshot shows the 'BIBFRAME Editor' interface. A central modal window titled 'New Person' contains the following fields:

- First Name**: Text input with a 'Set' button.
- Last Name**: Text input with a 'Set' button.
- Birth Date**: Date picker icon followed by a text input and a 'Set' button.
- Date of Death**: Date picker icon followed by a text input and a 'Set' button.
- ISNI**: Text input with a 'Set' button.
- VIAF**: 'URL' label followed by a text input and a 'Set' button.
- ORCID**: 'URL' label followed by a text input and a 'Set' button.

At the bottom right of the modal are 'Cancel' and 'Save' buttons. The background interface includes a left sidebar with categories like Audio, Bibliography, Book, Dissertation, and Painting, each with sub-options. The top navigation bar includes 'Eric', 'Activity 3', 'Settings', 'Help', and 'About'. The bottom of the screen shows a 'Subject' search bar with the placeholder 'Type to search' and a plus-minus icon.

BIBFRAME Authority

BIBFRAME Authority Editor

A production

Create BIBFRAME Authority

Source of primary
component

LCSH

Components

Person

Grimm, Jacob, 1785-1863

Action ▾

GenreForm

Adaptations

Action ▾

Submit

Cancel

Questions

Thank you.

Kevin Ford

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Twitter: @3windmills