



# Looking to the Future with RDA

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For National Central Library and  
Library Association of the Republic of China (Taiwan)  
March 21, 2012

Library of Congress RDA Seminar, March 2012

- “...we’re now focused on three things: ease of use, continuous availability, and low price.” Robert Capps in the Sept. 2009 Wired article “The Good Enough Revolution”
- “...multiple, simultaneous ways of organizing things” – David Weinberger, Everything is Miscellaneous, 2009.

STEIN, H

S-801

STERLING E....

S-816

STICKNEY, C

S-851

STEIN

DT377

S85

1862

Stern, Henry Aaron, 1820-1895  
Wanderings among the Jews  
in Abyssinia; together with a  
of the country and its various  
Sketch by a map and twenty  
of names and persons, taken  
by H. A. Stern.

218 48  
S 85  
1862

Stern, Henry Aaron, 1820-1895

Dawnings of light in the East; with Biblical, historical,  
cal, and statistical notices of persons and places visited  
during a mission to the Jews in Persia, Coordistan, and  
Mesopotamia, by the Rev. Henry A. Stern ... London,  
C. H. Purday, etc.; 1854.

26, 14, 278 p. front, 10 pl. (1 map) ...

STERN, F

S-817

STEINBOCK

# Internet

http://www

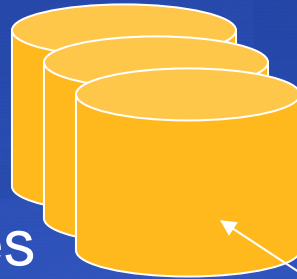
- Information systems are no longer the end points in isolation of old catalogs
  - Global access to data
- Integrate bibliographic data with wider Internet environment
  - Share data beyond institutions



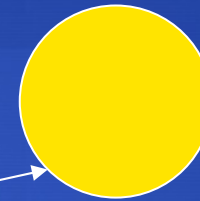


Internet  
"Cloud"

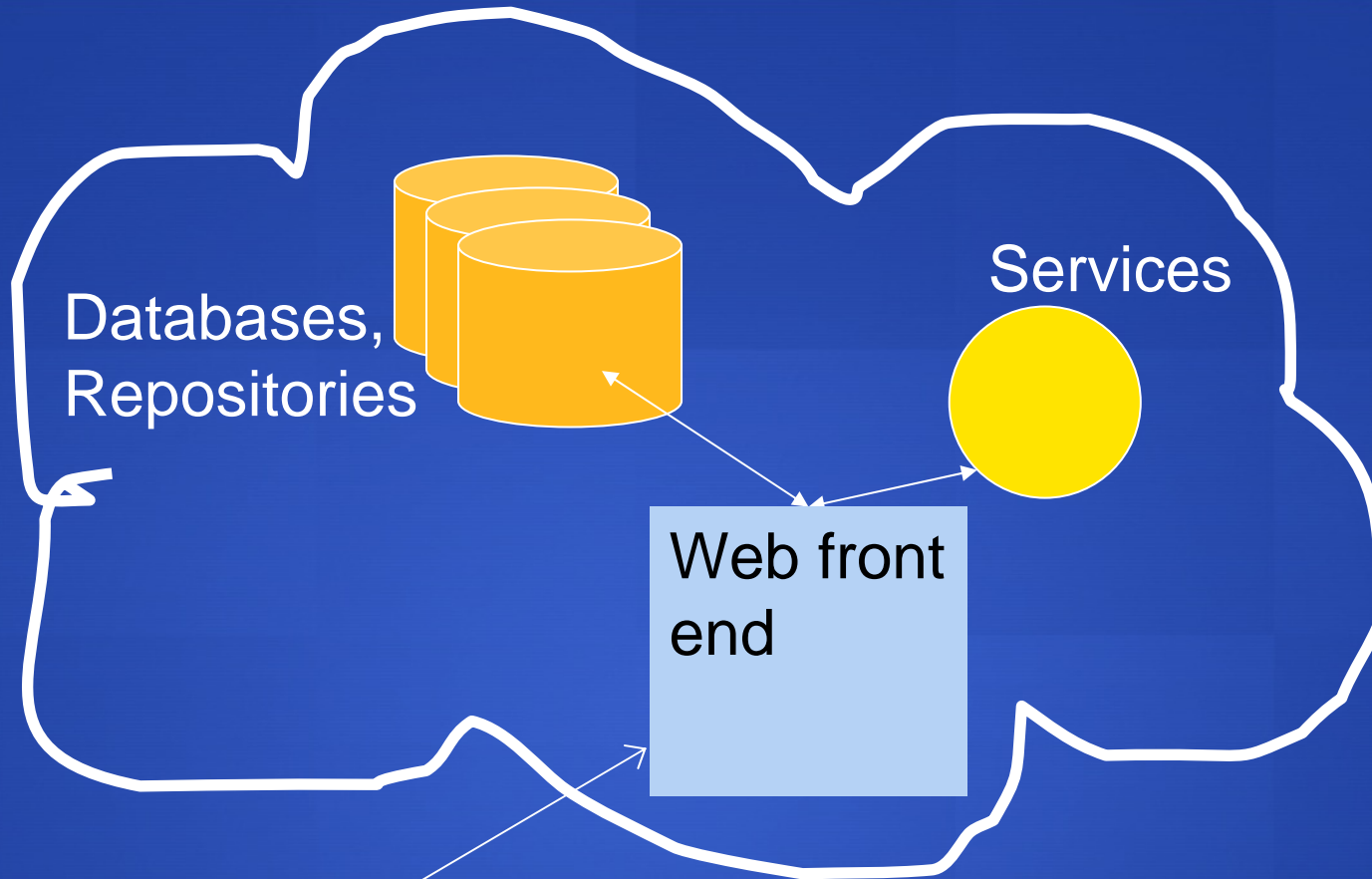
Databases,  
Repositories



Services



Web front  
end



# Infrastructure to Build for the Future

*First IFLA Meeting of Experts on an International Cataloguing Code*



*July 28 - 30, 2003, Frankfurt am Main, Germany*

ataloguing Principles

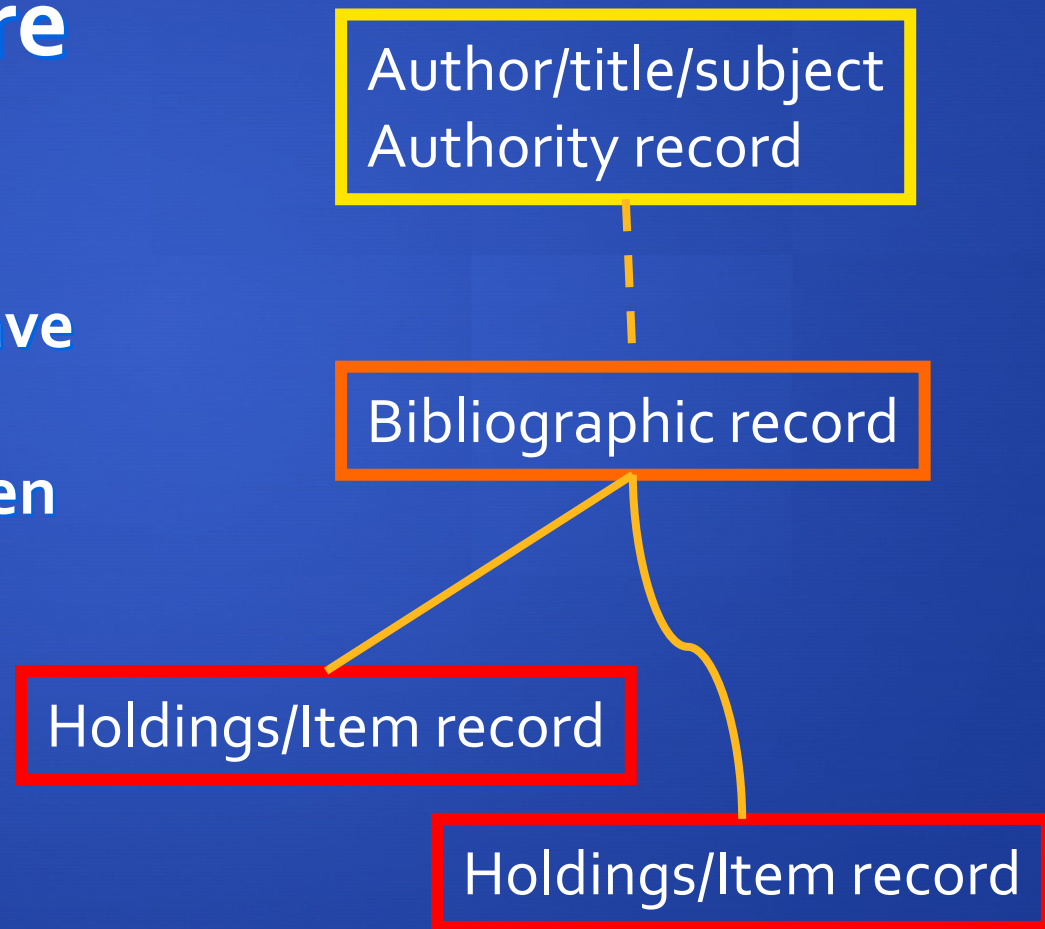
Conceptual Models  
User Tasks

K.G. Saur

# 1970s-now

## ● MARC structure

- Self-contained records
- May or may not have any explicit connection between bibliographic and authority records



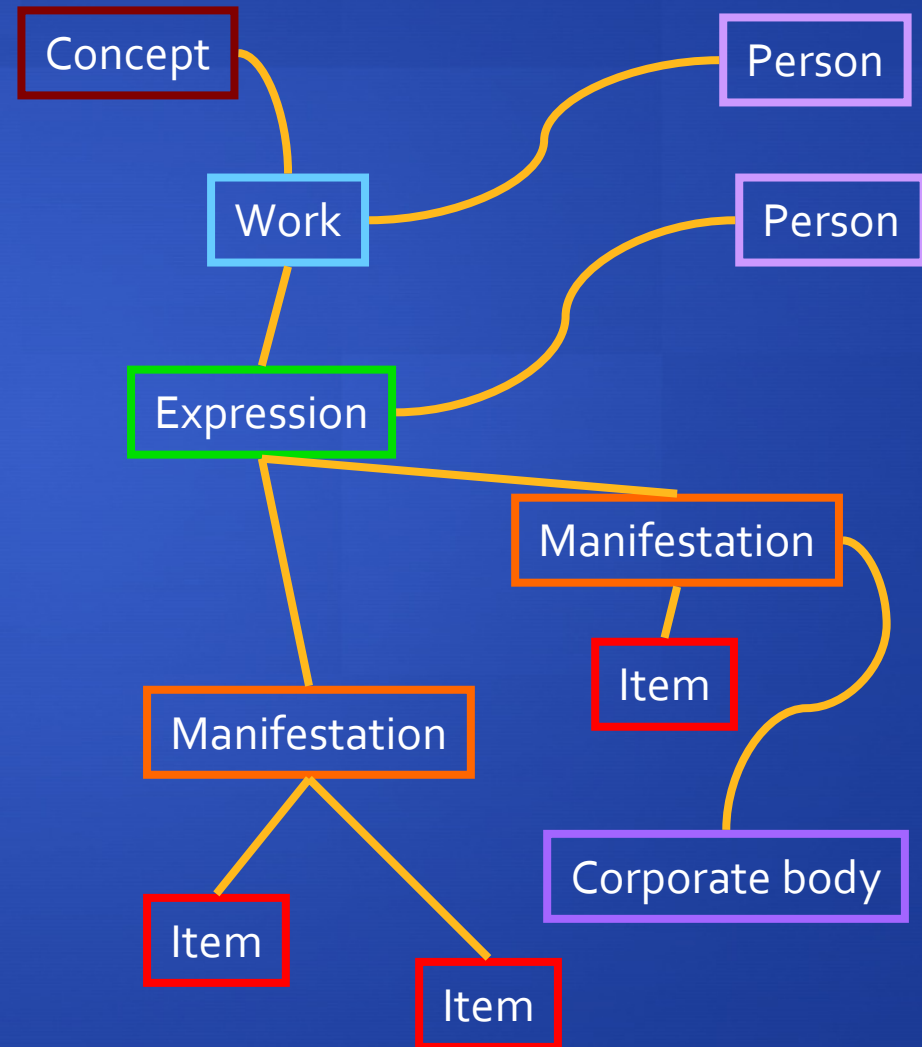
# “Bridge” Period

- Mapping tables for RDA and MARC, Dublin Core, MODS/MADS, and ISBD
- Decisions from PCC and local choices for alternatives and options, if needed – documented in *RDA Toolkit*
- Development of RDA Workflows and other training materials (e.g., changes from AACR2)



# Linked Data Scenario

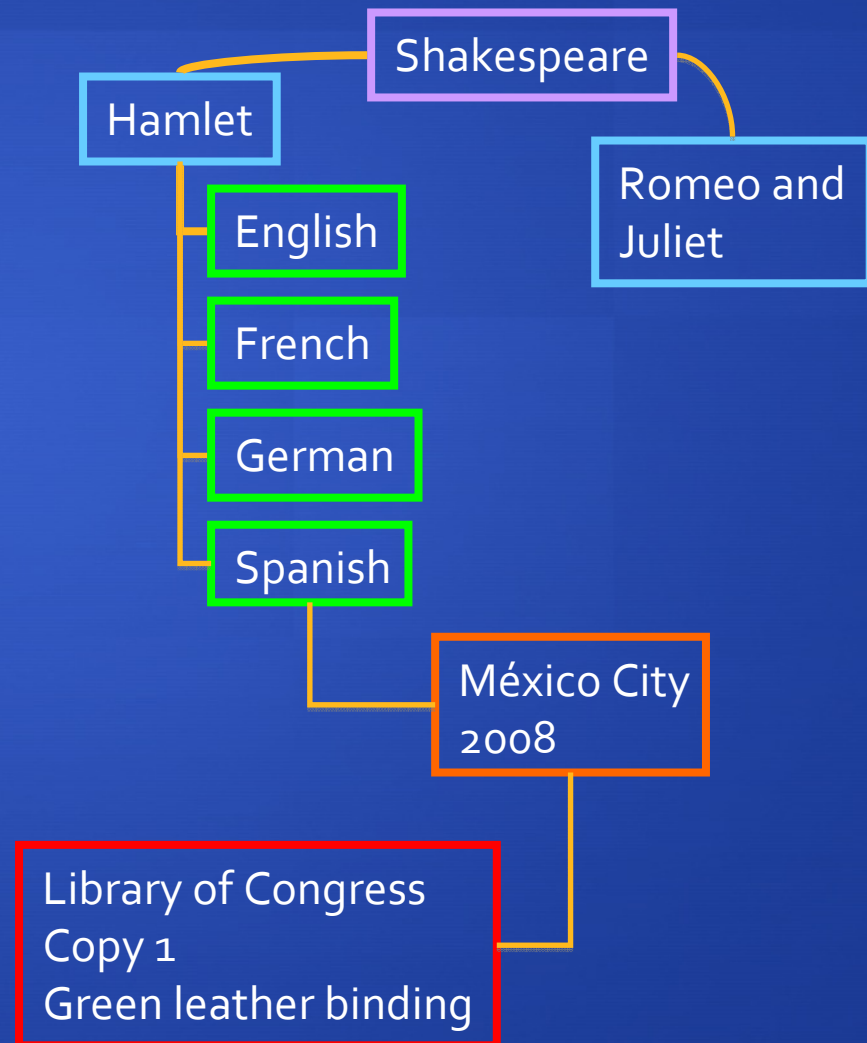
- Linked “description sets” for entities
  - works, expressions, manifestations, items, persons, corporate bodies, families, concepts, etc.



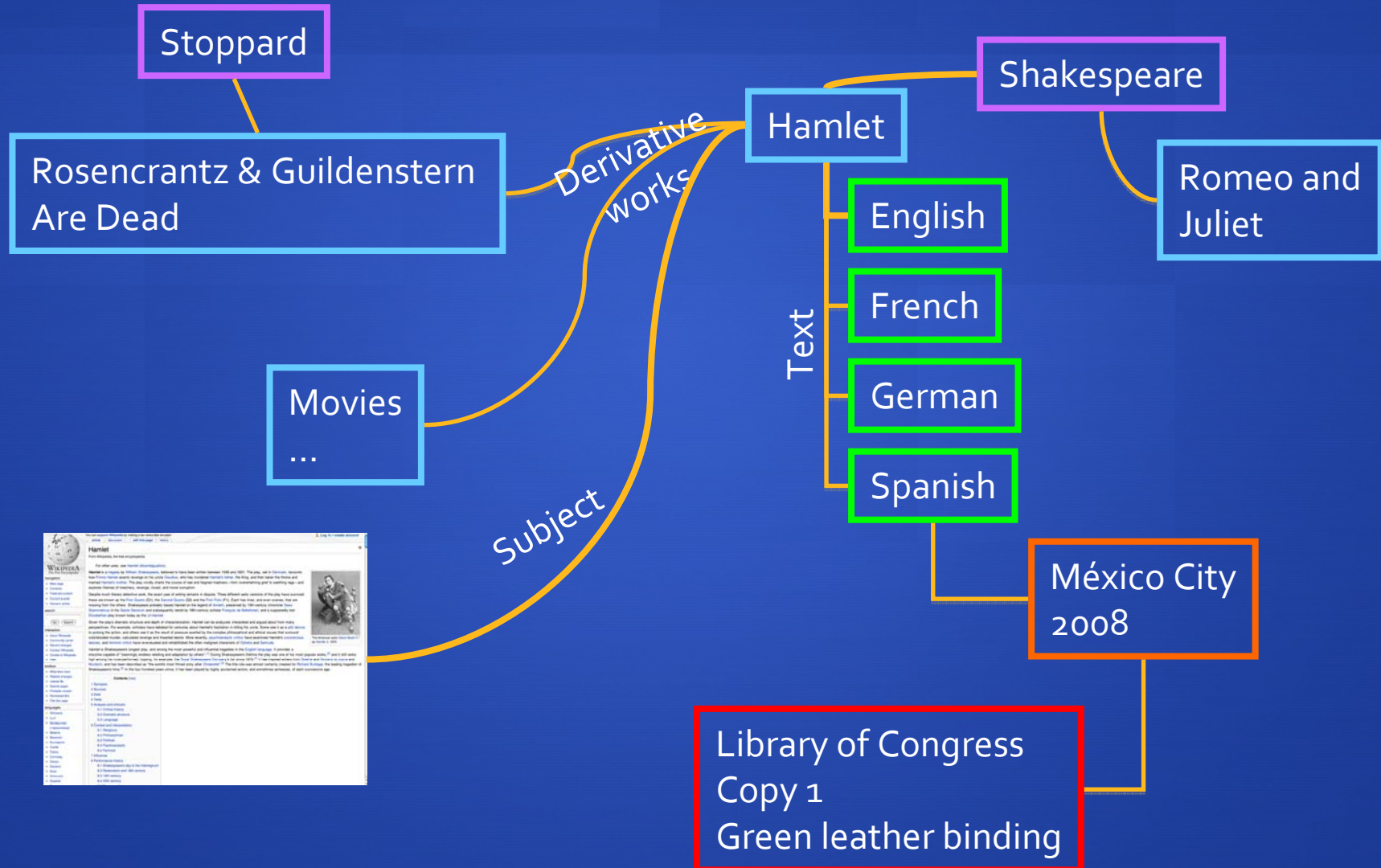
# FRBR-Based Collocation

- Display

- All the works associated with a person, etc.
- All the expressions of the same work
- All the manifestations of the same expression
- All items/copies of the same manifestation



# Related Works FRBR-Based Collocation



# Data Value Registries for Controlled Vocabularies

- Values for attributes, e.g.:

- Work-Expression content types (RDA/ONIX)
- Manifestation carrier types: (RDA/ONIX)
- Concepts: (e.g., LCSH subject heading strings)



- Categories of entities

- FRBR & FRAD: work, expression, manifestation, item, person, family, corporate body, concept, object, event, place

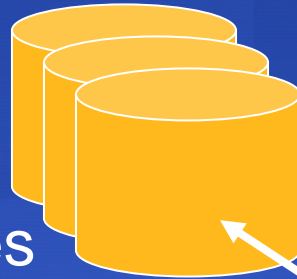
- Registries on the Web

- <http://metadataregistry.org/rdabrowse.htm>

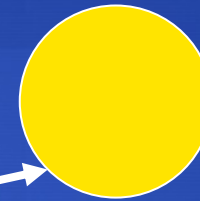


Internet  
"Cloud"

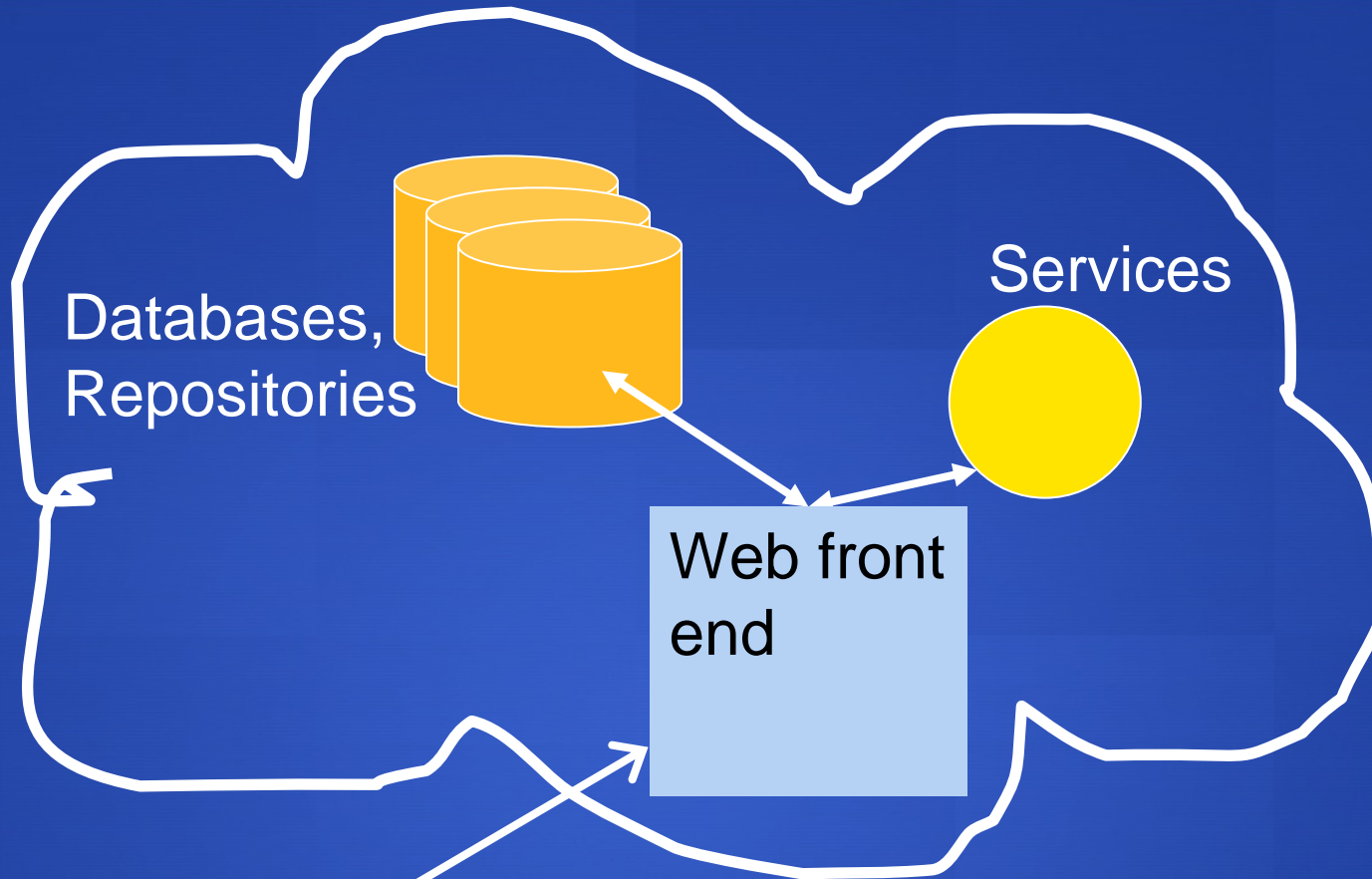
Databases,  
Repositories



Services

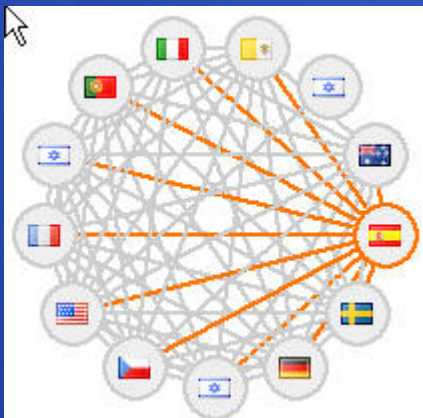


Web front  
end



# VIAF

## Virtual International Authority File (creative re-use of data)



[viaf.org](http://viaf.org)

## Countries of Publication (120)

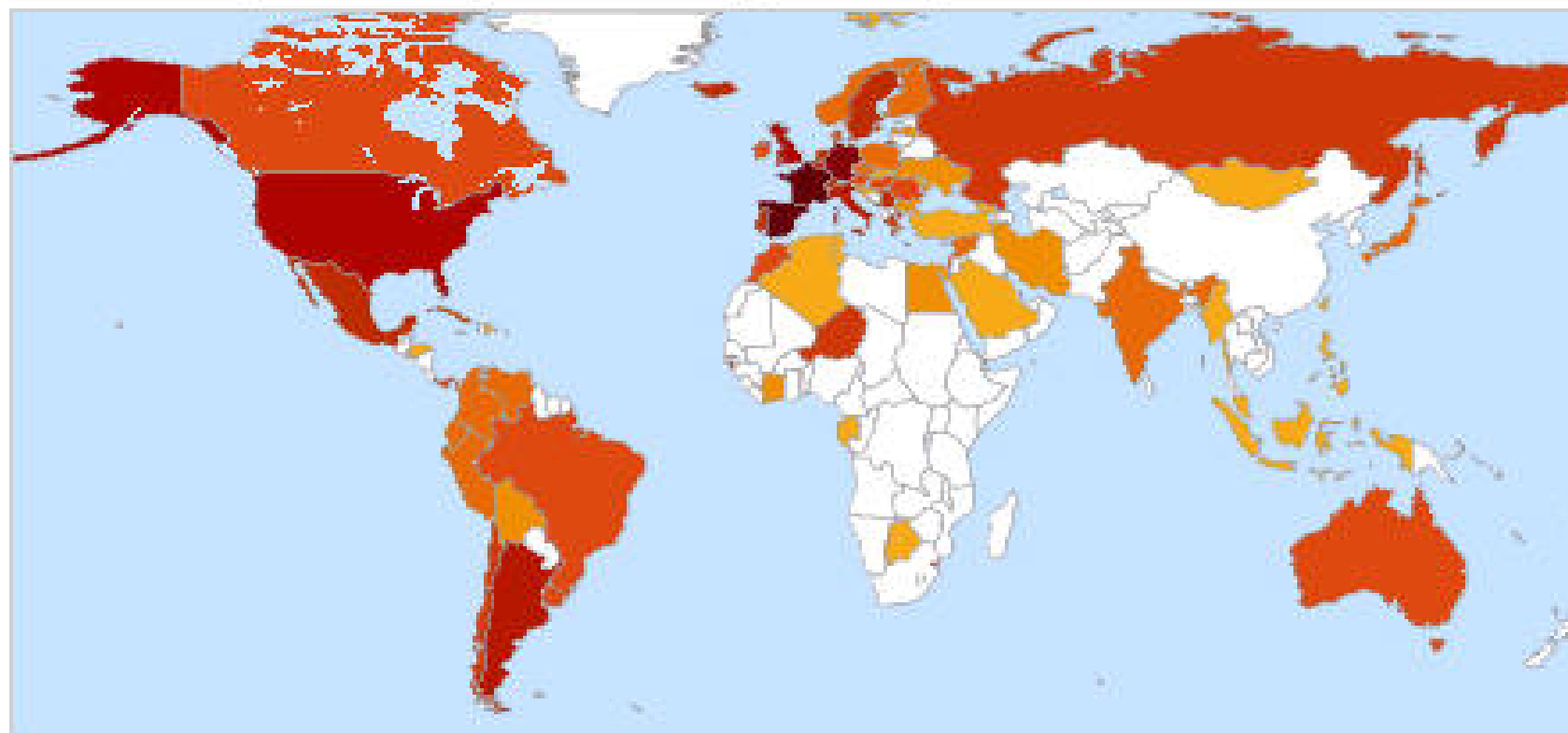
View the Countries List below for more details.

Map View:

World

Europe

Asia

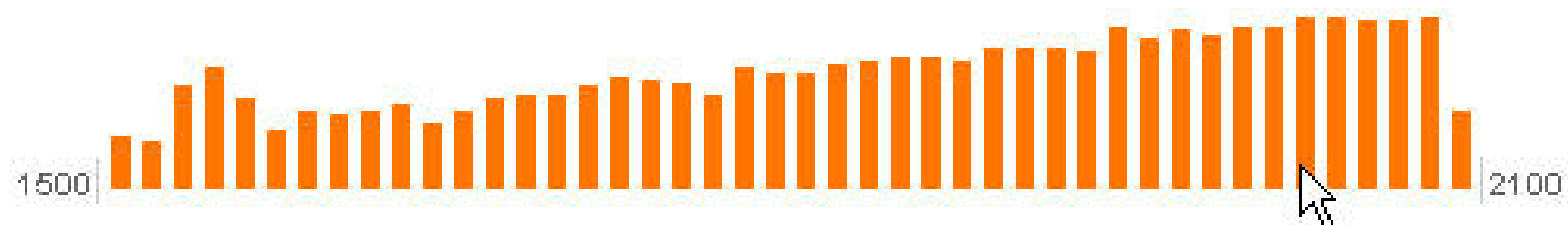


Low  High

[View Countries List](#)

## Publication Statistics

### Publication History



### Identifiers



## About

### Personal Information

Gender: Male

Nationality:

ES - Spain    

IT - Italy 

Language:

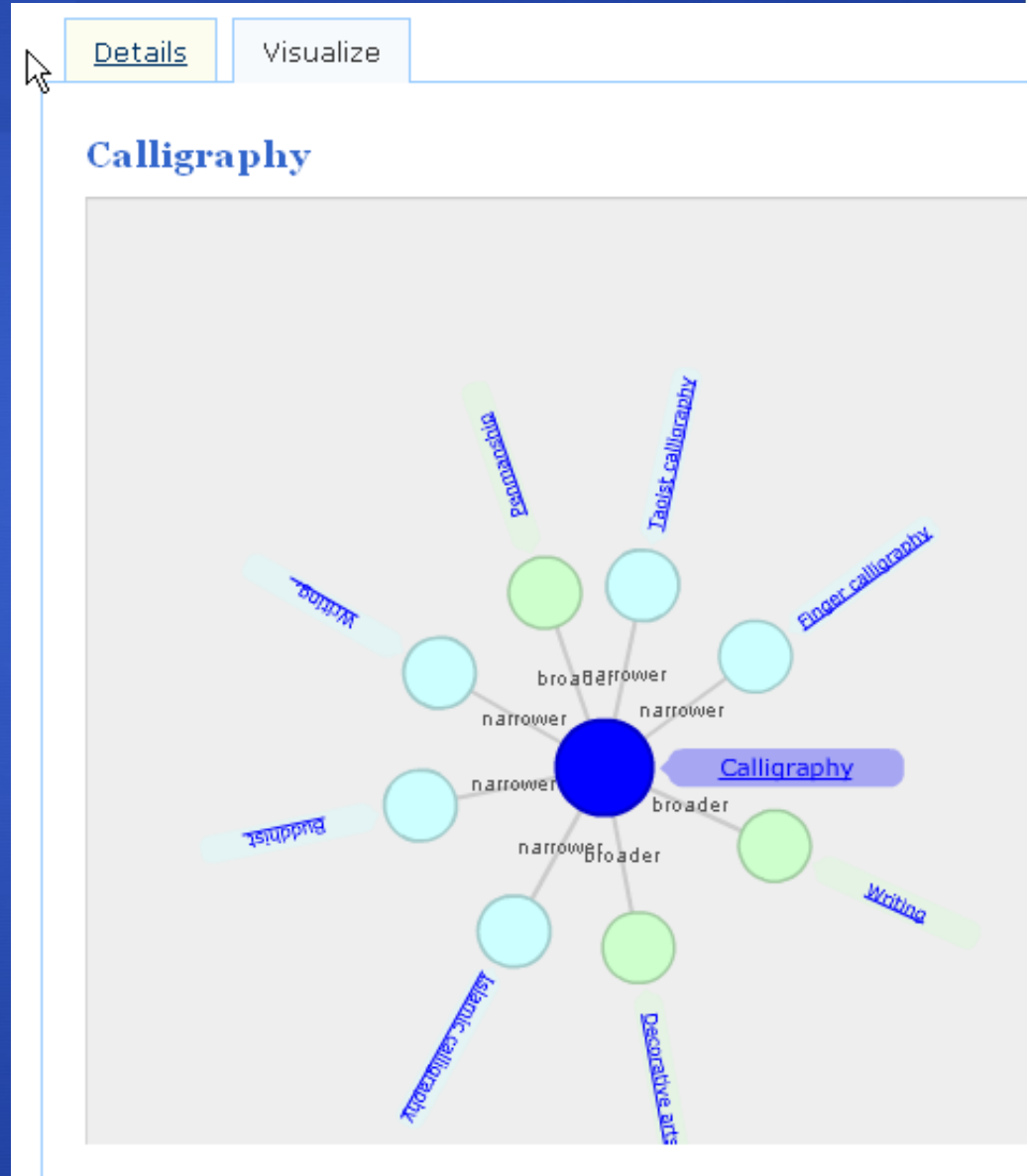
spa - Spanish 

### External Links

[Wikipedia - Miguel de Cervantes](#)

[WorldCat Identities](#)

# LCSH/SKOS and Visualizations



# Database/format Scenarios

## Bib record (flat-file)

Lee, T. B.

Cataloguing has a future  
1 sound disc

Spoken word.  
Donated by the author.

1. Metadata

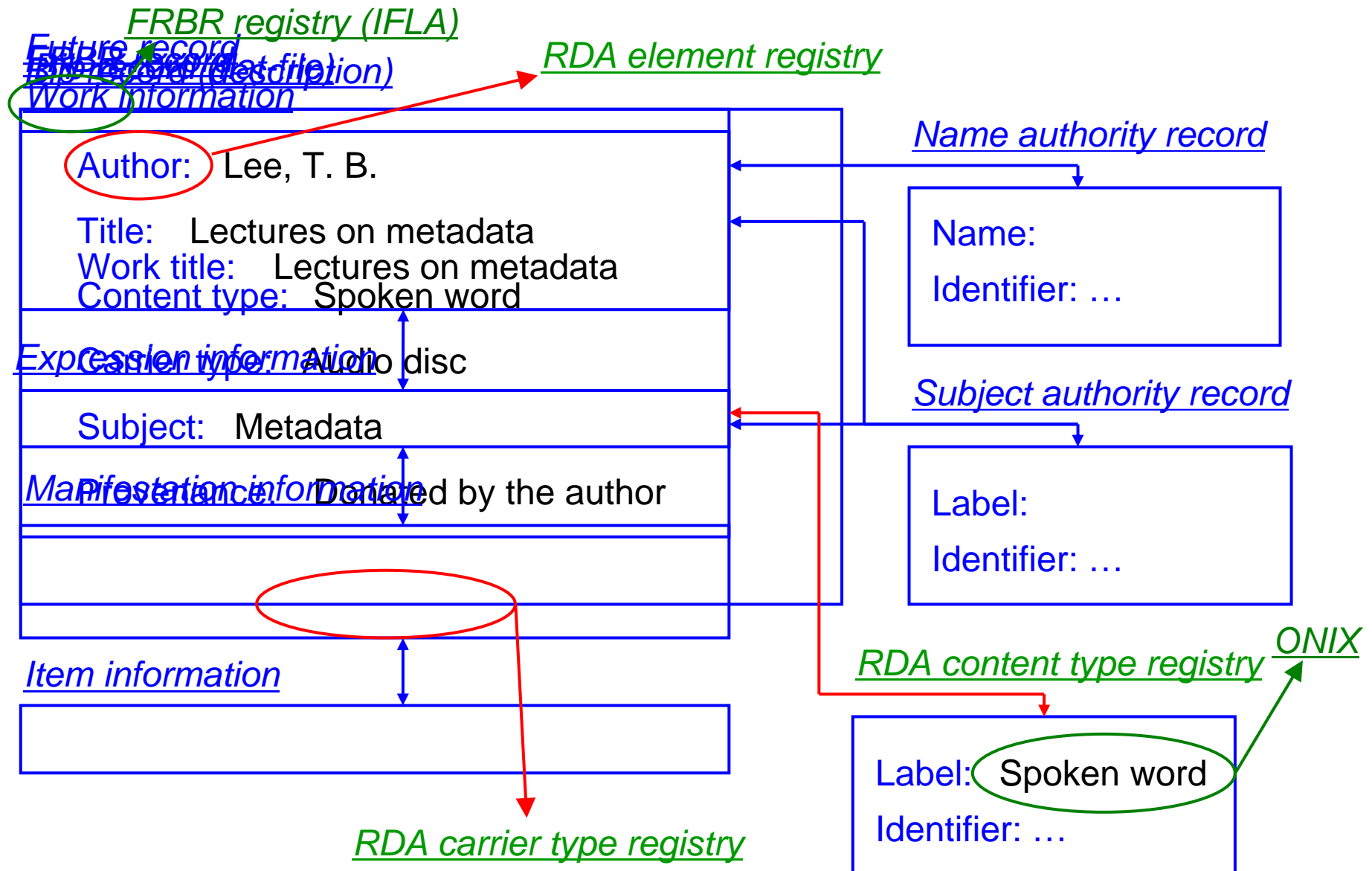
# Database/format Scenarios

## Bib record (flat-file)

100 01 \$a Lee, T. B.  
245 00 \$a Lectures on metadata  
300 \$a 1 sound disc  
500 \$a Spoken word.  
561 1 \$a Donated by the author.  
650 0 \$a Metadata



# Database/format Scenarios



# Linked Data

## Work information

Author: ←  
Subject: ←  
Work Title: Lectures on metadata

## Expression information

Content type: ←

## Manifestation information

Title: Lectures on metadata  
Carrier type: ←

## Item information

Provenance: Donated by the author ←

## Name authority record

Name: Lee, T. B.  
Identifier: ...

## Subject authority record

Label: Metadata  
Identifier: ...

## RDA content type registry

Label: Spoken word  
Identifier: ...

## RDA carrier type registry

Audio disc

# Package for displays

Future display



( )

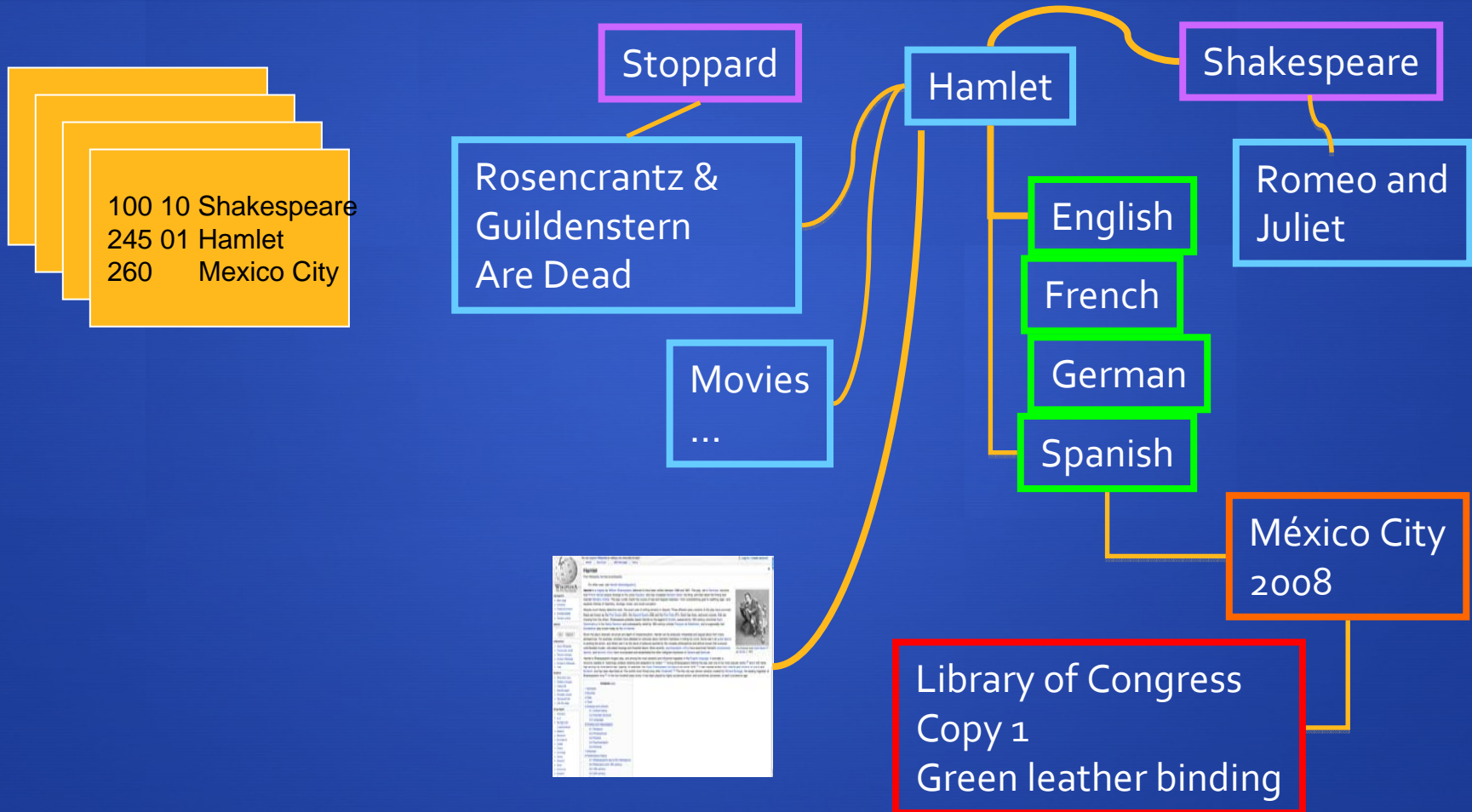
Author: Lee, T. B.

Content type: Spoken word

Title: Lectures on metadata

Carrier type: Audio disc

# Structures for Descriptions



# Transformation of the Bibliographic Framework

- Discussion list

- [bibframe@listserv.loc.gov](mailto:bibframe@listserv.loc.gov)

- Website

- <http://www.loc.gov/marc/transition/index.html>



## CATALOGING AND ACQUISITIONS



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# Library of Congress Announces Its Long-Range RDA Training Plan

Resource Description and Access at the Library of Congress

2/27/12

The U.S. RDA Test Coordinating Committee issued its first quarterly update on progress towards carrying out the recommendations made in the Committee's Final Report issued in June 2011. The progress is very promising. Because the Library of Congress has such a large contingent of staff to be trained to apply RDA, we have determined that we will need sufficient lead time to get everyone trained. To set the training plan in motion, we needed to determine a target RDA Implementation Day One. As will be seen in the attached plan, we have determined that date to be **March 31, 2013**.

LC's partner national libraries (U.S.: National Agricultural Library and National Library of Medicine; and non-U.S.: British Library, Library & Archives Canada, Deutsche Nationalbibliothek, and National Library of Australia) have been apprised of our plan and also intend to target the first quarter of 2013 as their RDA implementation date, i.e., **between January 2 and March 31, 2013**.

We are now sharing our [plan](#) broadly to alert our various constituencies. By doing so as early as possible, we hope that this will help others prepare for RDA implementation. As we update the plan, we will continue to share it, along with documentation, training, and other related information on LC's Resource Description and Access (RDA)—Information and Resources in Preparation for RDA Website (<http://www.loc.gov/aba/rda/>).

BEACHER WIGGINS  
DIRECTOR FOR ACQUISITIONS & BIBLIOGRAPHIC ACCESS

# Wish List

- RDA Toolkit workflows for step-by-step approach for catalogers - with links to templates in local ILSs or bibliographic utilities
- ILS links from specific elements in input screens to RDA instructions

# Wish List

- Import descriptive metadata
  - Publisher/author supplied (e.g., ONIX)
  - Third-party supplied
    - Book vendors, contractors
- Validation of required “core” elements linked to mode of issuance

# Wish List

- Import controlled metadata
  - Registries for RDA/ONIX terms
  - VIAF (language/script appropriate to user)
- Drop down menus for controlled vocabularies
  - Media, content, carrier types
  - Names of persons, families, corporate bodies
  - Subject headings

# Wish List

- Automatic suggestion of classification/subject headings for works
  - Based on keywords found in resource record and/or digital resource itself or accompanying tables of contents, abstracts, summaries, etc.
  - Based on matches with existing similar works
  - Classification and subject heading correlations



# Wish List

- Automatic generation of work/expression data and links to “creator”
  - Based on identifying elements for the “first” manifestation
- Automatic prompting and validation of work/expression data
  - Suggests possible matches for new cataloging

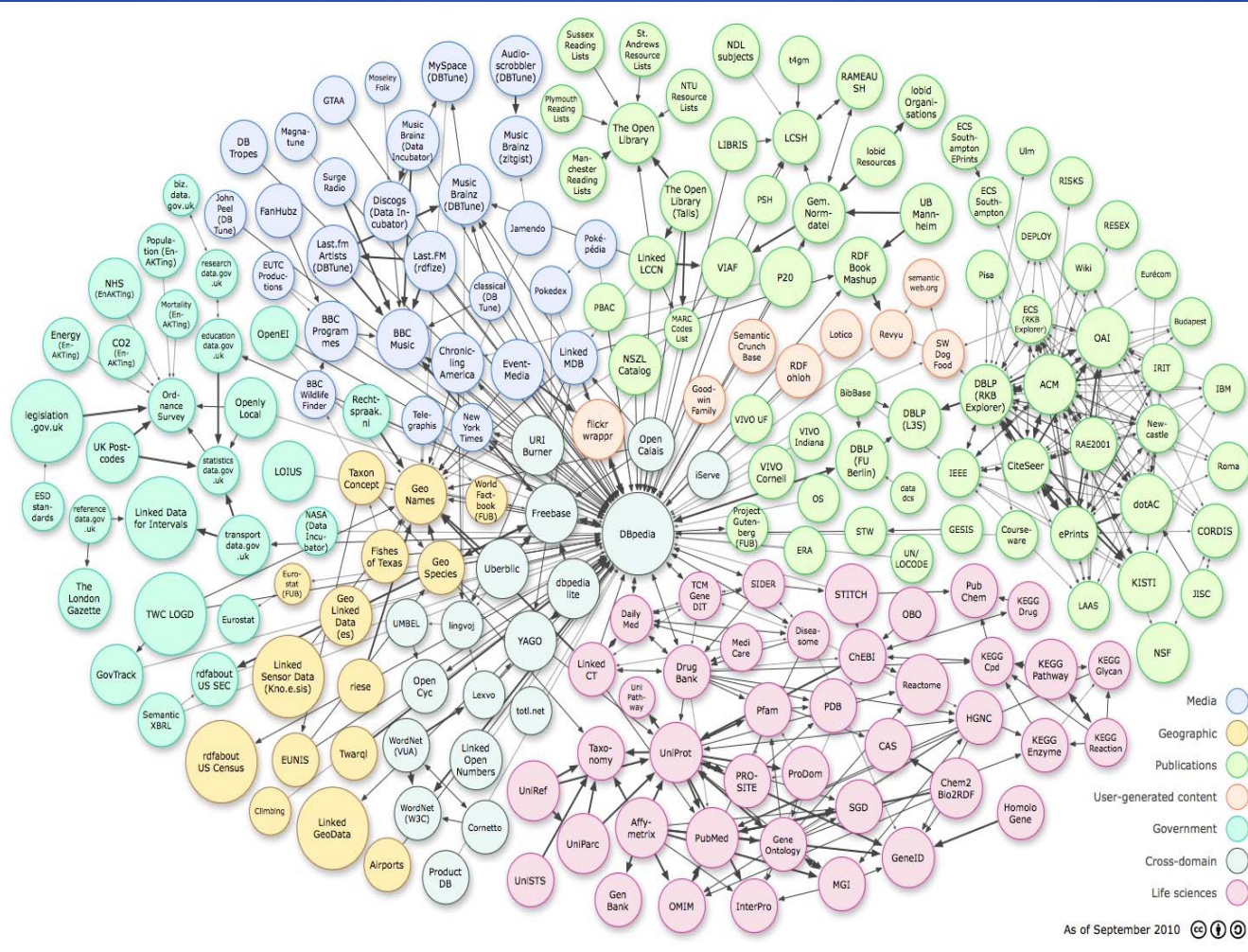
# Wish List

- Easy way to share “maintained” data worldwide (from “On the Record”)

# Wish List

- FRBR collocating (expand and collapse elements for displays)
- Simple displays of pathways to related resources and information about related entities
- Open options if user wishes to explore – don't overwhelm with all possible relationships

# Where are we headed?





# Resource Discovery System

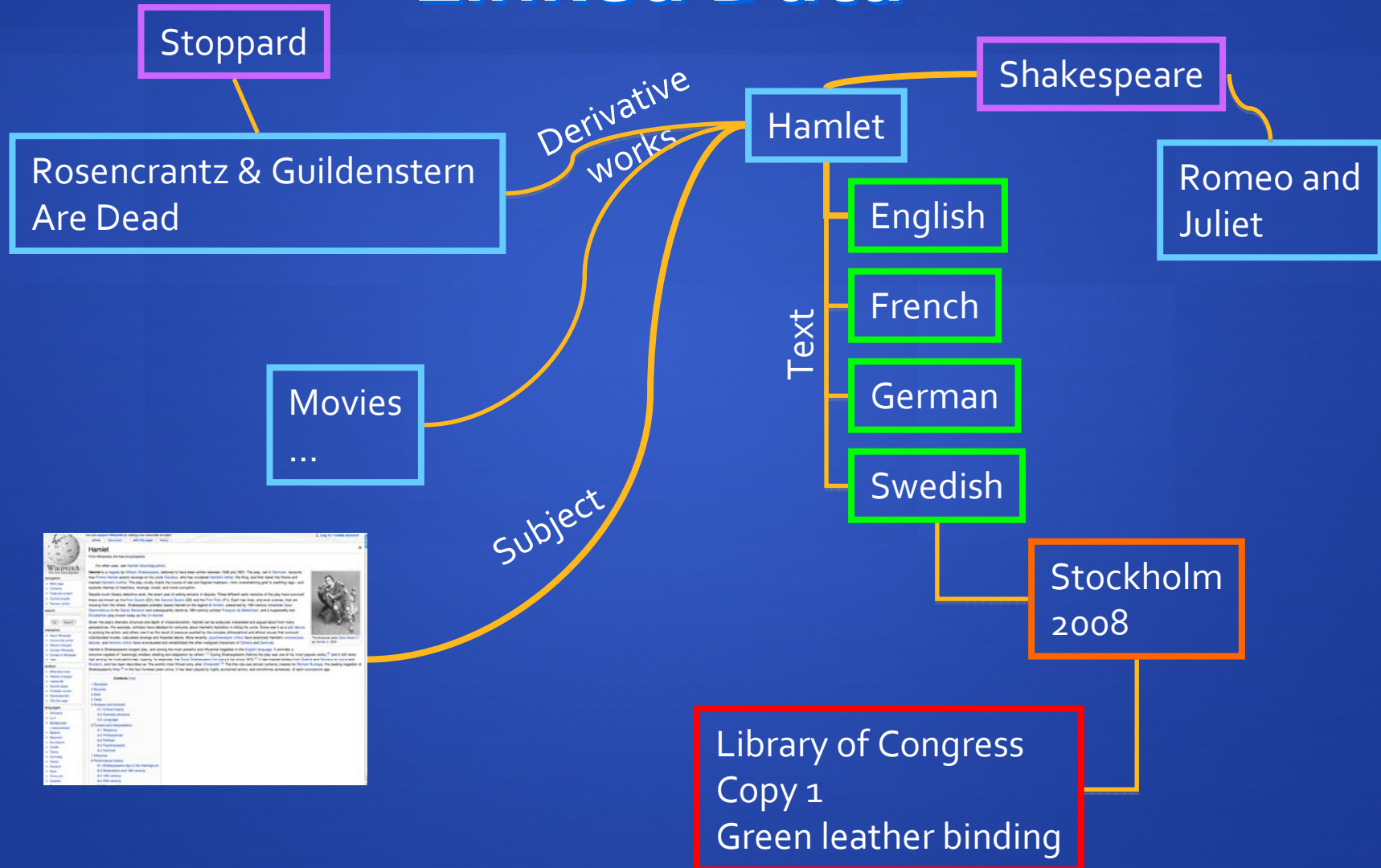
- User-focus
- Builds on existing descriptive metadata clearly labeled
- Identifies all names and other identifying information for an entity
- Identifies significant relationships to enable collocation and navigation of the bibliographic universe
- Re-uses data globally for more efficient operations



# Considerations to get there

- Bridge
- What incentives are needed?
- How would staff of different institutions, programs, publishers, systems, national, etc., function in and support that scenario?
- What are the economic/legal obstacles to overcome if some controlled vocabularies are proprietary, restricted, or less easily available on the Web?
- Does someone need to start the ball rolling? Who? How?

# FRBR-Based Collocation Linked Data



# Links

- LC information on RDA Implementation Planning

LC Webcasts, training materials, examples, test records, etc.

<http://loc.gov/aba/rda/>

and email

[LChelp4rda@loc.gov](mailto:LChelp4rda@loc.gov)

# Links

- RDA Database Implementation Scenarios  
<http://www.rda-jsc.org/docs/5editor2.pdf>
- Encoding RDA data <http://www.rda-jsc.org/docs/5editor2.pdf>
- RDA, FRBR/FRAD, and Implementation Scenarios  
<http://www.rda-jsc.org/docs/5editor4.pdf>
- MARC development web site  
<http://www.loc.gov/marc/development.html>
- DCMI/RDA Task Group wiki  
<http://dublincore.org/dcmirdataskgroup>
- XC Project – recent description by Jennifer Bowen  
<http://www.extensiblecatalog.org/MetadataReports>

# More Links

- IFLA

- FRBR

- <http://www.ifla.org/VII/s13/frbr/>

- FRAD

- <http://www.ifla.org/VII/d4/wg-franar.htm>

- ICP

- <http://www.ifla.org/VII/s13/icc/>

- JSC

- <http://www.rda-jsc.org/>