R|D|A
RESOURCE DESCRIPTION & ACCESS

RDA is Here:
Are You Ready?

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Library of Congress RDA Seminar, March 2012

Module 1:
Background and Structure of RDA

What's wrong with AACR?

- Increasingly complex
- Lack of logical structure
- Mixing content and carrier data
- Hierarchical relationships missing
- Anglo-American centric viewpoint
- Written before FRBR
- Not enough support for collocation
- Before Internet and well-formed metadata

Based on slide from Ann Chapman, UKOLN

1997 International Conference on the Principles and Future Development of AACR

- Toronto, Canada
- JSC invited worldwide experts
- Issues leading to RDA

- Principles
- Content vs. carrier
- Logical structure of AACR
- Seriality
- Internationalization

AACR3

R|D|A
RESOURCE DESCRIPTION & ACCESS
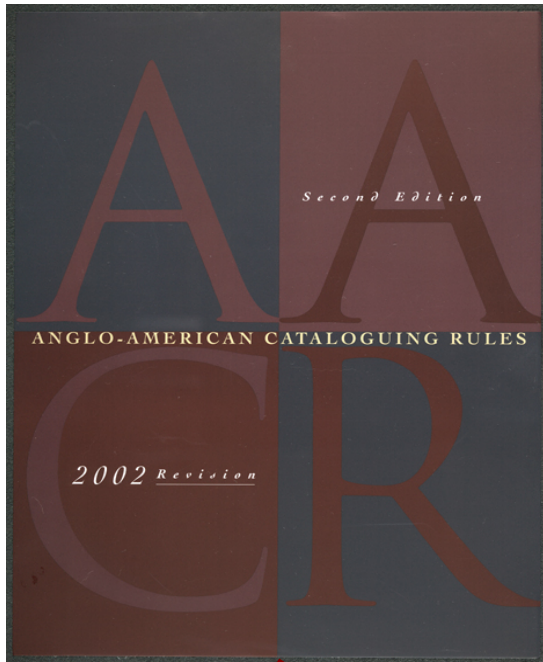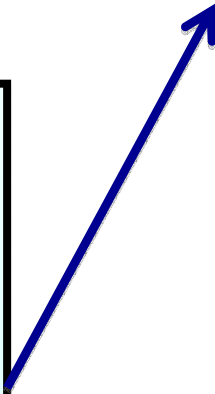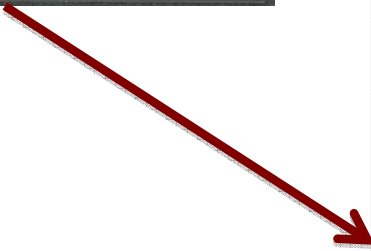
JSC Collaborations with other Metadata Communities

- **IFLA** - Principles, Conceptual models, ISBD/ISSN

- **ONIX (Publishers) –** types of content, media, carriers
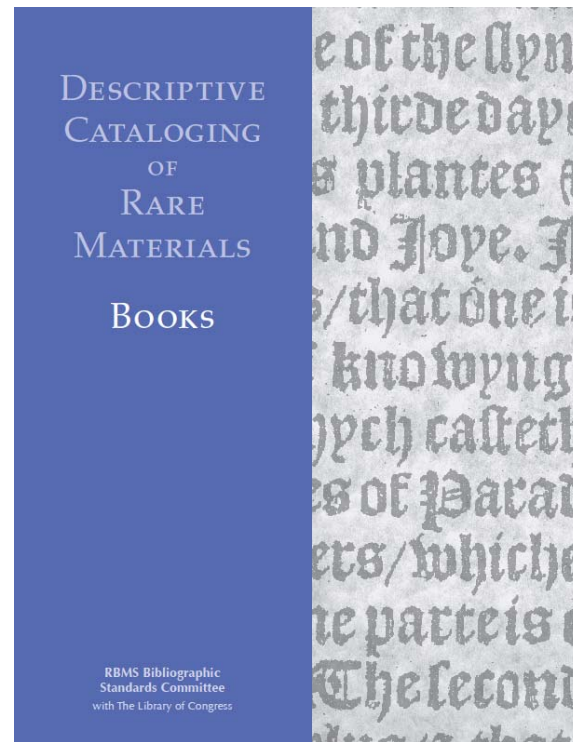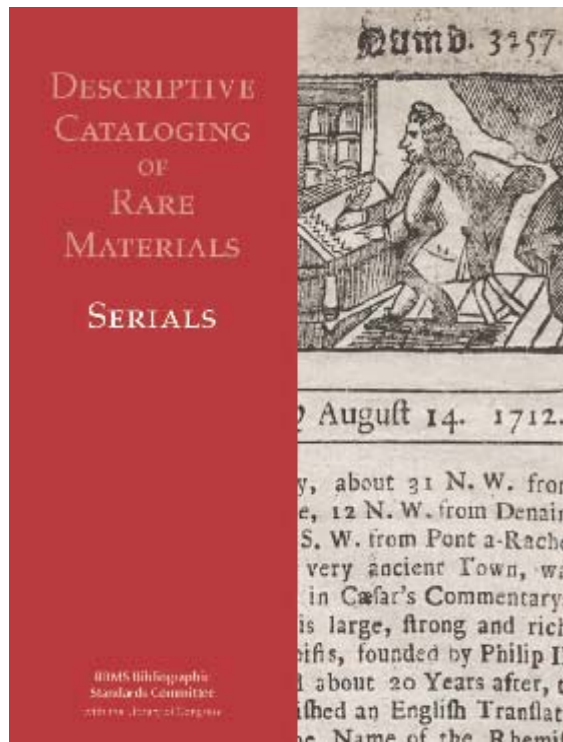
- **Dublin Core, IEEE/LOM, Semantic Web, W3C**

"Data Modeling Meeting" - London 2007

- **RDA/MARC Working Group (MARBI)**

Other Collaborations

- Law Library community
  - Treaties
- Hebraica and Religion Teams at LC
  - Bible proposals
- Mss/Archives experts at LC (Mss. Div., NUCMC, American Folklife Center, Rare Books)
  - DACS
- Music Div and Motion Picture, Broadcasting and Recorded Sound Div., Music Library Association
  - AMIM2 and Ch.6 proposals for music
- Prints & Photographs Division
  - CCO
- Geography and Map Division at LC

CC CO

CATALOGING CULTURAL OBJECTS

A Guide to Describing Cultural Works and Their Images

CARTOGRAPHIC MATERIALS

SECOND EDITION

A Manual of Interpretation for AACR2 2002 Revision

DESCRIPTIVE CATALOGING OF RARE MATERIALS

SERIALS

RBMS Bibliographic Standards Committee
with the Library of Congress

DESCRIPTIVE CATALOGING OF RARE MATERIALS

BOOKS

RBMS Bibliographic Standards Committee
with The Library of Congress

GOALS:
RDA will be …

- A new standard for **resource description and access**
- Designed for the **digital** world
  - Optimized for use as an online product
  - Description and access of all resources
    - All types of content and media
  - Resulting records usable in the digital environment (Internet, Web OPACs, etc.)

RDA – The Goals

- Rules should be easy to use and interpret
- Be applicable to an online, networked environment
- Provide effective bibliographic control for all types of media
- Encourage use beyond the library community
- Be compatible with other similar standards
- Have a logical structure based on internationally agreed principles
- Separate content and carrier data
- Examples – more of them, more appropriate

RDA based on IFLA's international models and principles

- *Functional Requirements for Bibliographic Records* (*FRBR*; 1998)

- *Functional Requirements for Authority Data* (*FRAD;* 2009)

- *Statement of International Cataloguing Principles* (*ICP*; 2009)
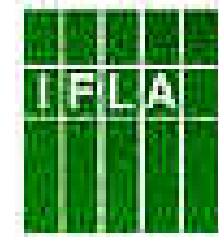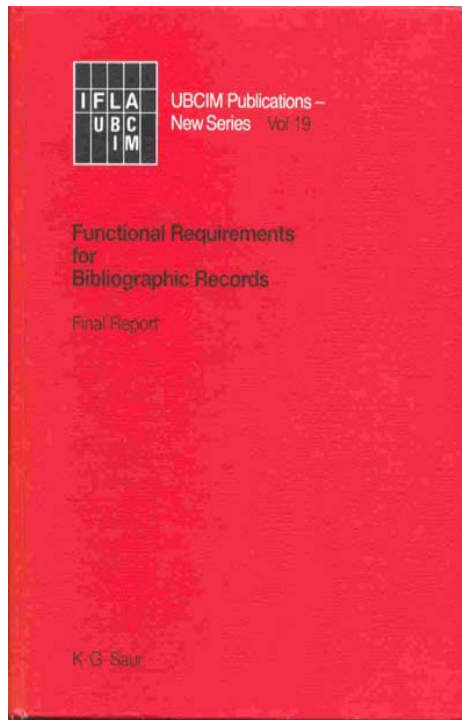
General Principles (ICP)
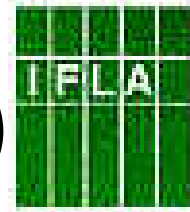
- Convenience of user
- Representation
- Common usage
- Accuracy
- Sufficiency and necessity
- Significance
- Economy

- Consistency and Standardization
- Integration
- Defensible, not arbitrary

- If contradict, take a defensible, practical solution.

FRBR

- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- User tasks
  - Find
  - Identify
  - Select
  - Obtain
- Entities, Relationships, Attributes
- Mandatory elements for a national level bibliographic record

Addresses **user** tasks

FRBR:
- Find
- Identify
- Select
- Obtain

FRAD:
- Find
- Identify
- Contextualize
- Justify

- *ICP*'s highest principle = "convenience of the user"

FRBR's Entity-Relationship Model

- Entities
- Relationships
- Attributes (data elements)

One Entity   relationship   Another Entity
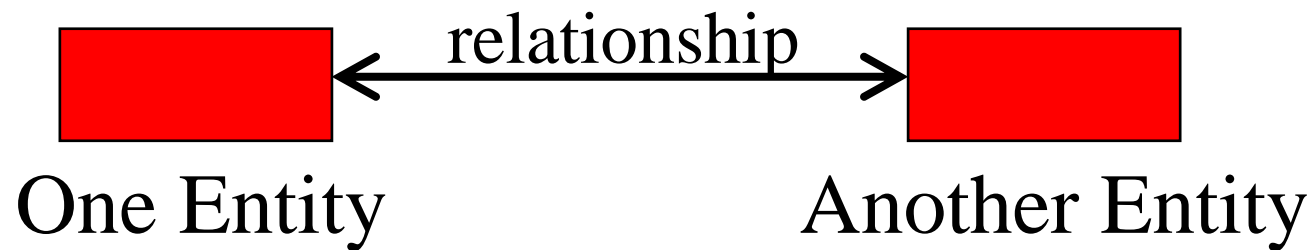
- National level required elements

FRBR's Entity-Relationship Model

Person

Shakespeare

created

was created by

Work

Hamlet
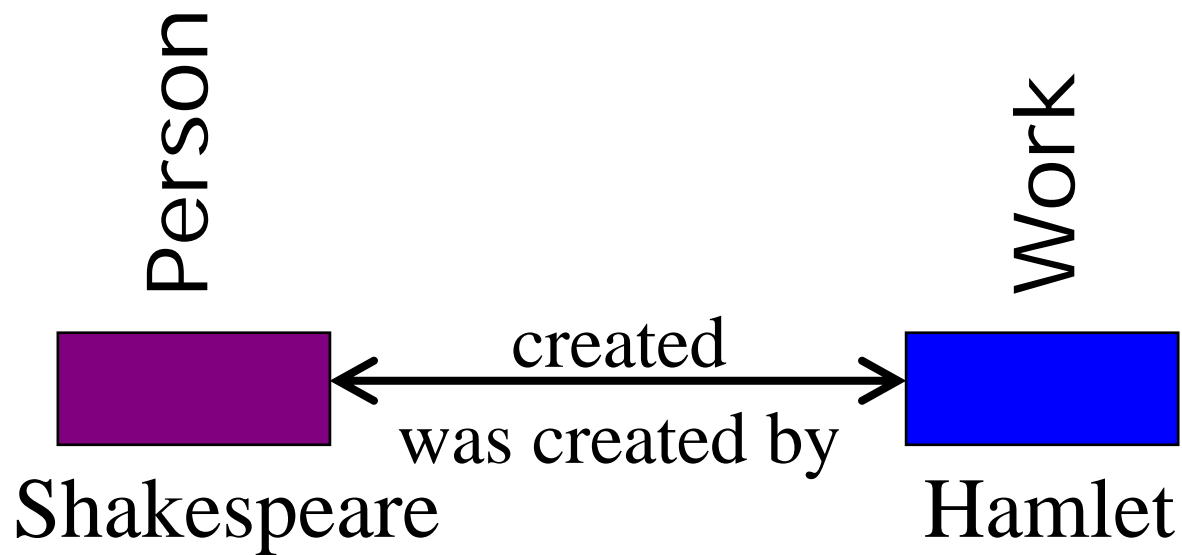
Terminology

- FRBR and FRAD "attributes" are "elements" in RDA

- FRBR and FRAD Group 1 entities:
  - **Work**
  - **Expression**
  - **Manifestation**
  - **Item**

FRBR Entities

Group 1:Products of intellectual & artistic endeavor = bibliographic resources

- **Work**
- **Expression**
- **Manifestation**
- **Item**

Group 1

Work

is realized through

Expression

is embodied in

Manifestation

is exemplified by

Item

recursive
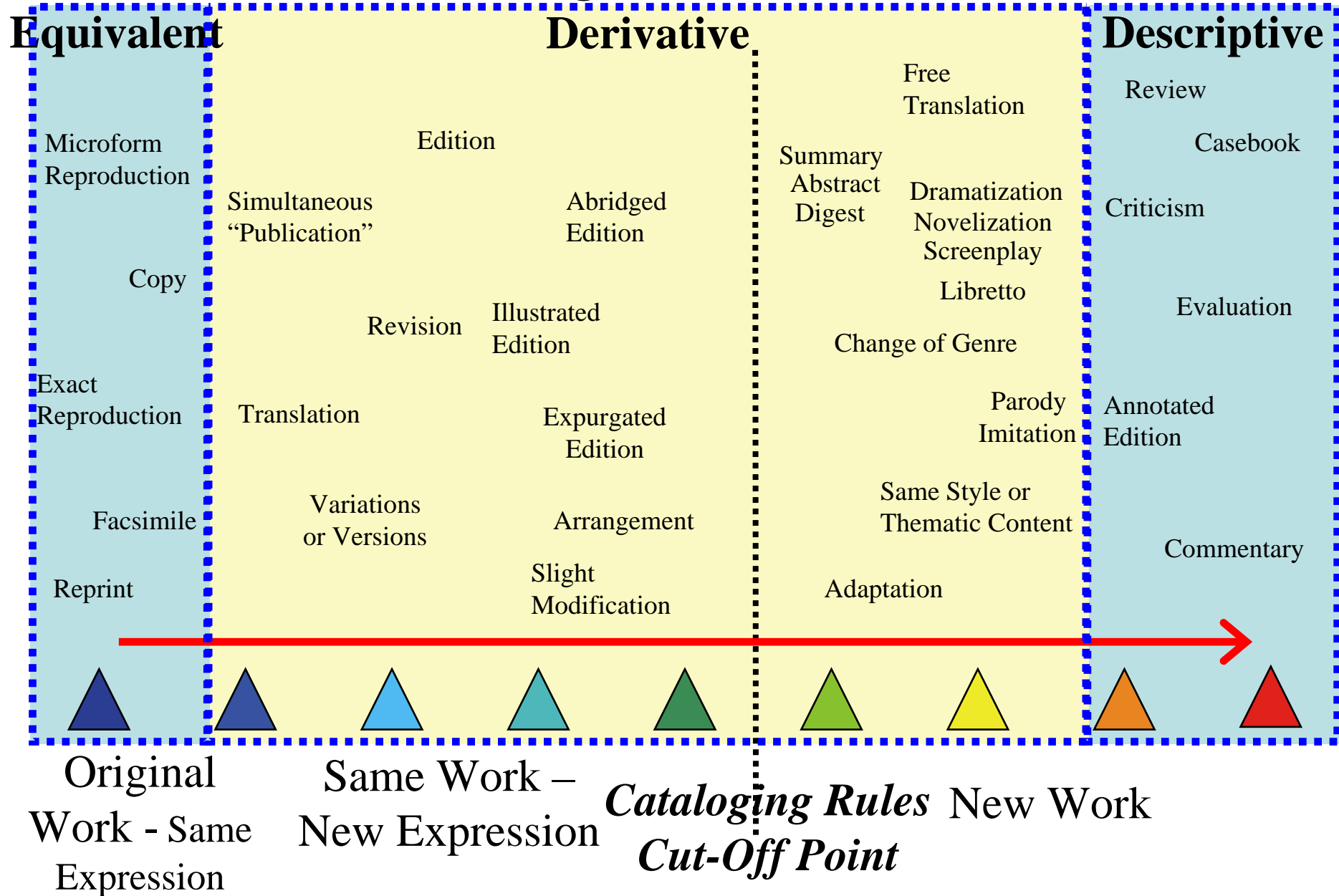
one →

many →→

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Family of Works

Equivalent

Derivative

Descriptive

Microform Reproduction

Copy

Exact Reproduction

Facsimile

Reprint

Edition

Simultaneous "Publication"

Abridged Edition

Revision

Illustrated Edition

Translation

Expurgated Edition

Variations or Versions

Arrangement

Slight Modification

Free Translation

Summary Abstract Digest

Dramatization Novelization Screenplay

Libretto

Change of Genre

Parody Imitation

Same Style or Thematic Content

Adaptation

Review

Casebook

Criticism

Evaluation

Annotated Edition

Commentary

Original Work - Same Expression

Same Work – New Expression

Cataloging Rules Cut-Off Point

New Work

Relationships

Work

Expression

Manifestation

Item

- Inherent among the Group 1 entities

- Content relationships among works/expressions

- Structural relationships

Whole-Part

Derivative

Sequential

Accompanying

21
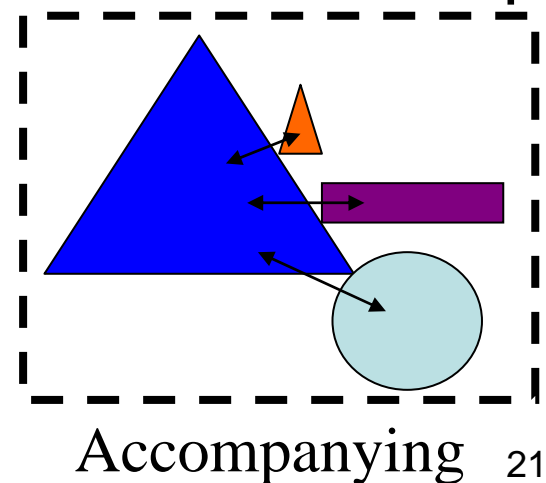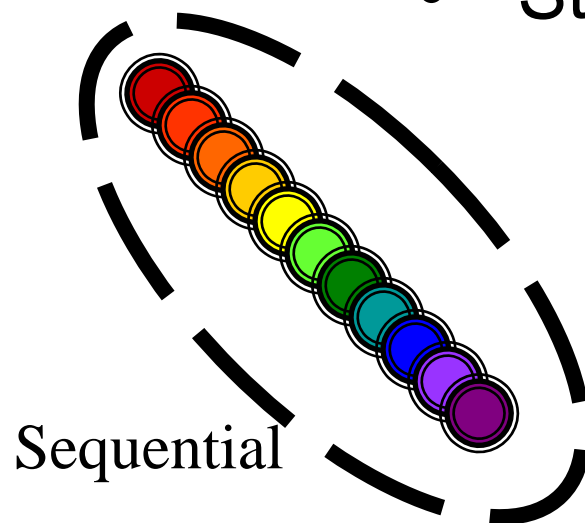
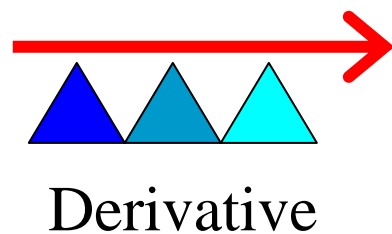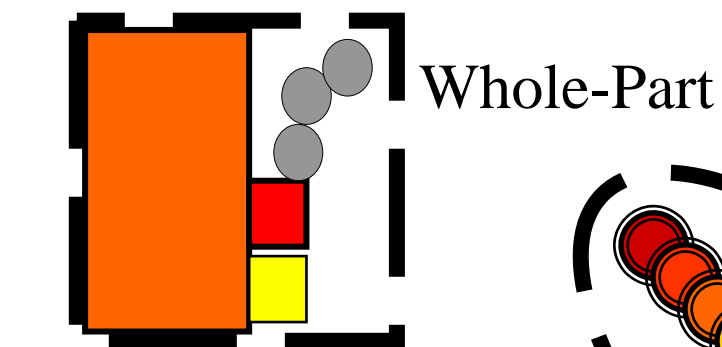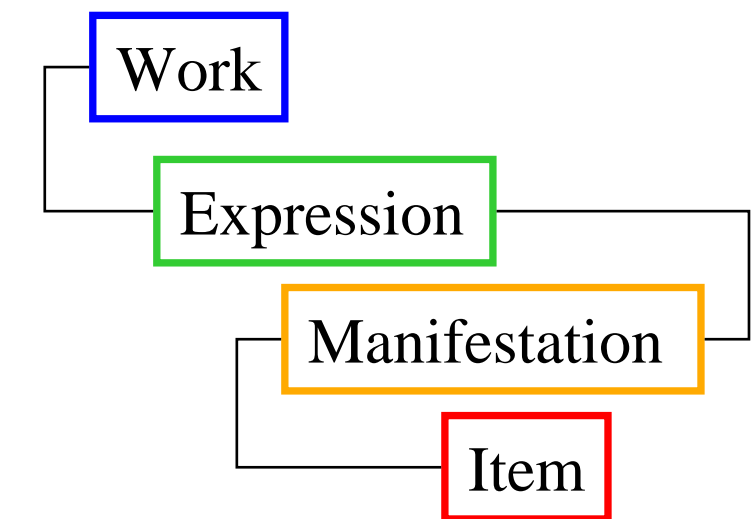# Elements to Describe Resources

- **Work**
  - ID
  - Title
  - Date
  - etc.

- **Expression**
  - ID
  - Form
  - Date
  - Language
  - etc.

- **Manifestation**
  - ID
  - Title
  - Statement of responsibility
  - Edition
  - Imprint (place, publisher, date)
  - Form/extent of carrier
  - Terms of availability
  - Mode of access
  - etc.

- **Item**
  - ID
  - Provenance
  - Location
  - etc.

22
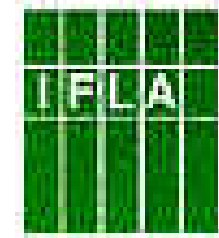
FRBR and FRAD Entities

Group 2: Those responsible for Group 1 entities

intellectual or artistic creation

realization of works

production/publishing/ distribution/manufacture custodial responsibility,

Or are the subject of works

- **Person**
- **Corporate body**
- **Family**

Group 2

FRBR

Work

Expression

Manifestation

Item

is owned by

is produced by

is realized by

is created by

Person

Family

Corporate Body

many

24
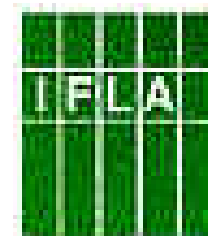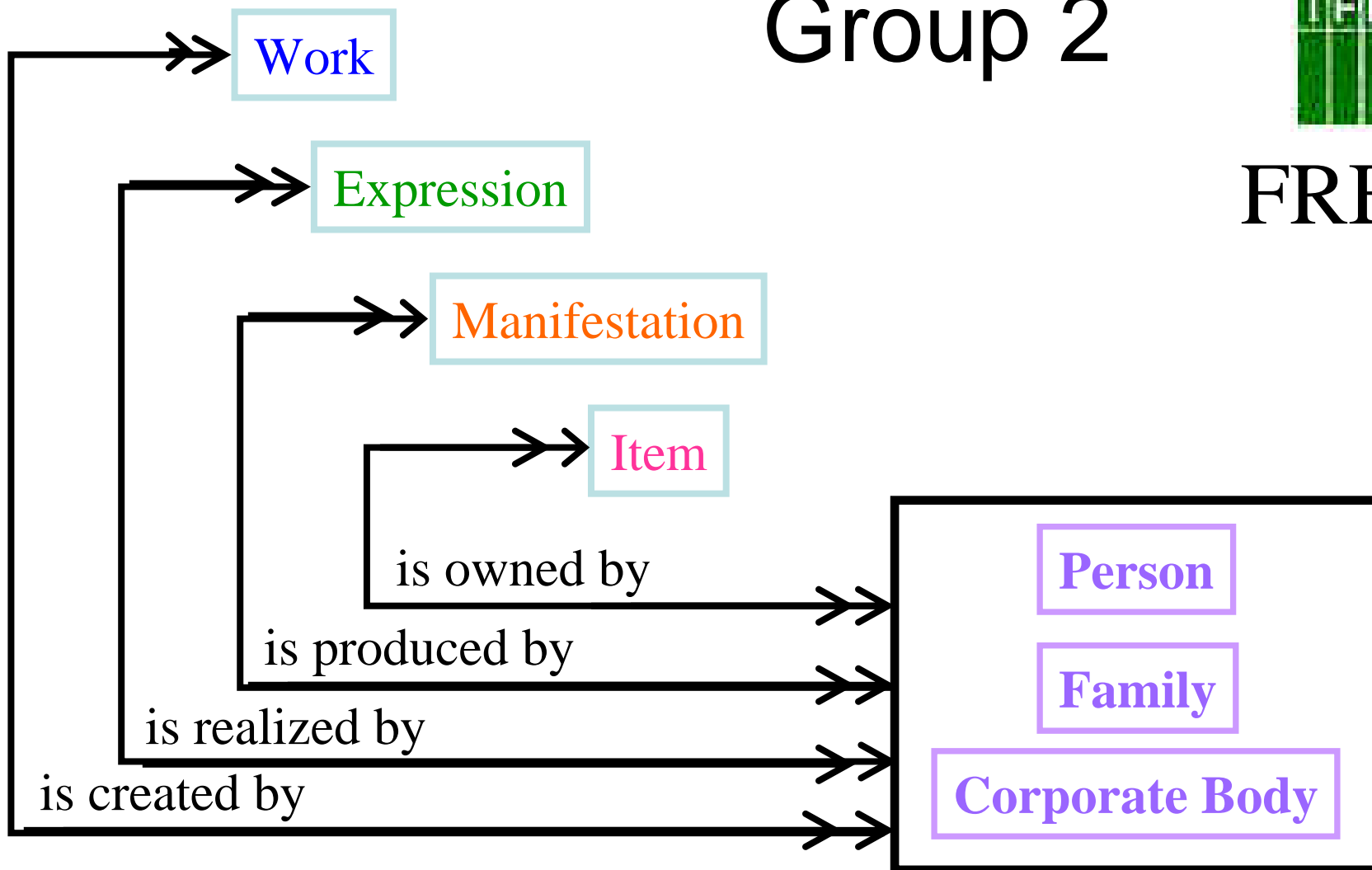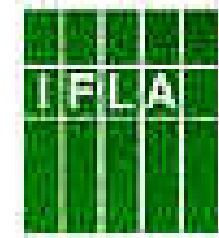
FRBR Entities

Group 3: Subjects of works
- Groups 1 & 2 *plus*
- Concept
- Object
- Event
- Place
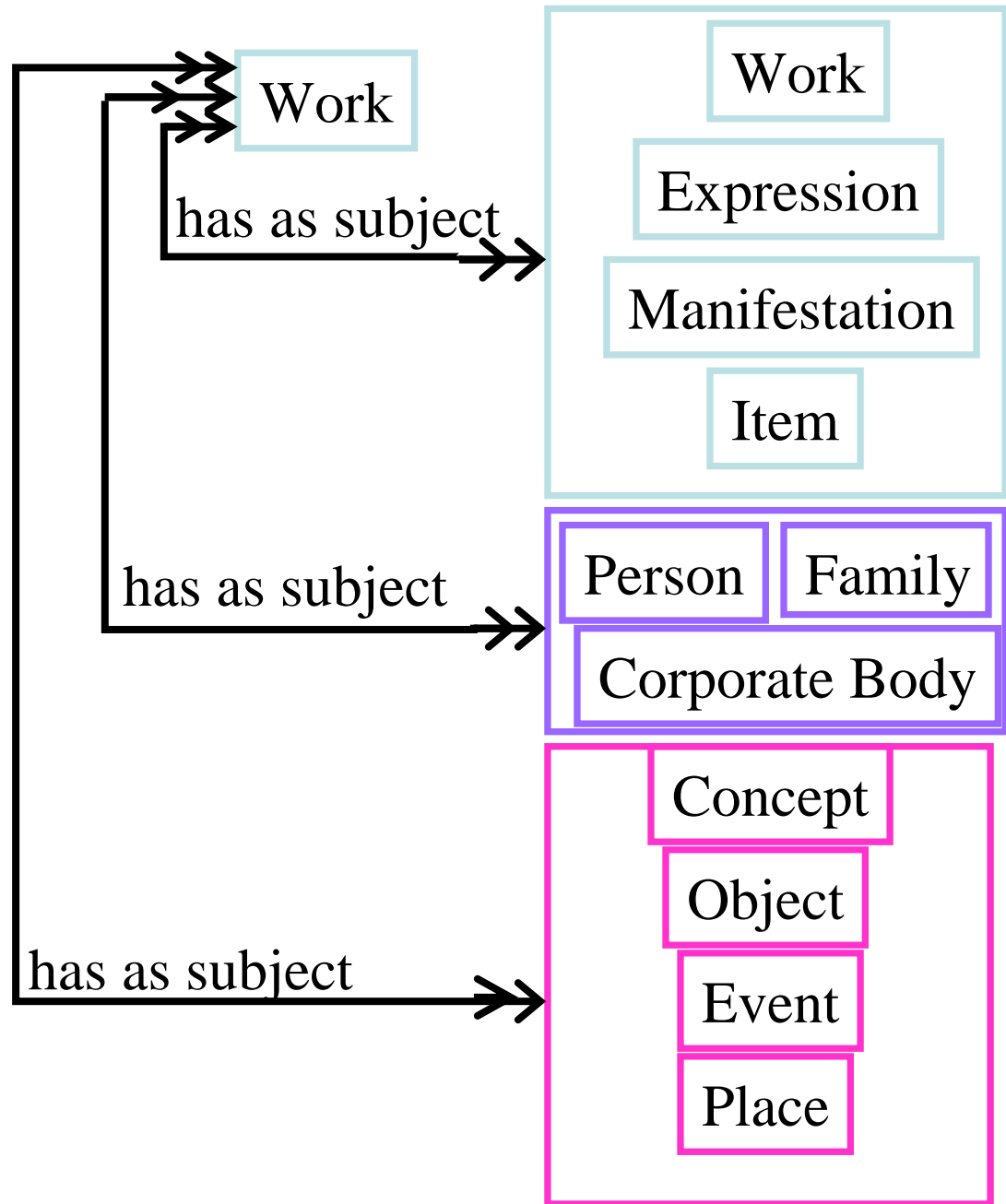
Work

has as subject → Work, Expression, Manifestation, Item

has as subject → Person, Family, Corporate Body

has as subject → Concept, Object, Event, Place

Group 3
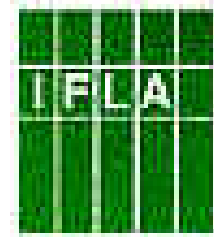
FRBR

many →

British Museum 1841
("full and accurate" book catalog)

ACOSTA (CHRISTOVAL).

Tractado de las drogas, y medicinas de las Indias Orientales, con sus plantas.   *Burgos*, 1578. 4°

Another copy.

The same. *Ital.*   *Venetia*, 1585. 4°

Another copy.

Tractado en loor de las mugeres.   *Venetia*, 1592. 4°

British Museum 1841
("full and accurate" book catalog)

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Another copy.

The same. *Ital.* *Venetia*, 1585. 4°

Another copy.

Tractado en loor de las mugeres. *Venetia*, 1592. 4°

Person Work Expression Manifestation Item

Shakespeare, William, 1564-1616. Hamlet. French.

LC Control No.	:	47023612
LCCN Permalink	:	http://lccn.loc.gov/47023612
Type of Material	:	Book (Print, Microform, Electronic, etc.)
Personal Name	:	Shakespeare, William, 1564-1616.
Main Title	:	... Hamlet, traduit par André Gide.
Published/Created	:	[Paris] Gallimard [1946]
Description	:	2 p. l., 7-237, [2] p. 17 cm.

CALL NUMBER	:	PR2779.H3 G5Copy 1
-- Request in	:	Jefferson or Adams Bldg General or Area Studies Reading Rms

Person

Work

Shakespeare, William, 1564-1616. Hamlet. French.

LC Control No.	:	47023612
LCCN Permalink	:	http://lccn.loc.gov/47023612
Type of Material	:	Book (Print, Microform, Electronic, etc.)
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-- Request in	:	Jefferson or Adams Bldg General or Area Studies Reading Rms

Shakespeare, William, 1564-1616. Hamlet. French.

Expression

LC Control No.	:	47023612
LCCN Permalink	:	http://lccn.loc.gov/47023612
Type of Material	:	Book (Print, Microform, Electronic, etc.)
Personal Name	:	Shakespeare, William, 1564-1616.
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Description	:	2 p. l., 7-237, [2] p. 17 cm.
CALL NUMBER	:	PR2779.H3 G5 Copy 1
-- Request in	:	Jefferson or Adams Bldg General or Area Studies Reading Rms

LIBRARY OF CONGRESS ONLINE CATALOG

Shakespeare, William, 1564-1616. Hamlet. French.

LC Control No. : 47023612

Manifestation

LCCN Permalink : http://lccn.loc.gov/47023612
Type of Material : Book (Print, Microform, Electronic, etc.)
Personal Name : Shakespeare, William, 1564-1616.
Main Title : ... Hamlet, traduit par André Gide.
Published/Created : [Paris] Gallimard [1946]
Description : 2 p. l., 7-237, [2] p. 17 cm.

CALL NUMBER : PR2779.H3 G5 Copy 1
-- Request in : Jefferson or Adams Bldg General or Area Studies Reading Rms

LIBRARY OF CONGRESS ONLINE CATALOG

Shakespeare, William, 1564-1616. Hamlet. French.

LC Control No. : 47023612
LCCN Permalink : http://lccn.loc.gov/47023612
Type of Material : Book (Print, Microform, Electronic, etc.)
Personal Name : Shakespeare, William, 1564-1616.
Main Title : ... Hamlet, traduit par André Gide.
Published/Created : [Paris] Gallimard [1946]
Description : 2 p. l., 7-237, [2] p. 17 cm.

Item

CALL NUMBER : PR2779.H3 G5 Copy 1
-- Request in : Jefferson or Adams Bldg General or Area Studies Reading Rms

Collocation

Objectives of a catalog: 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**

Cervantes

Don Quixote

Exemplary novels

Text

English

French

German

Spanish

Madrid, 1979

Library of Congress
Copy 1
Green leather binding

35
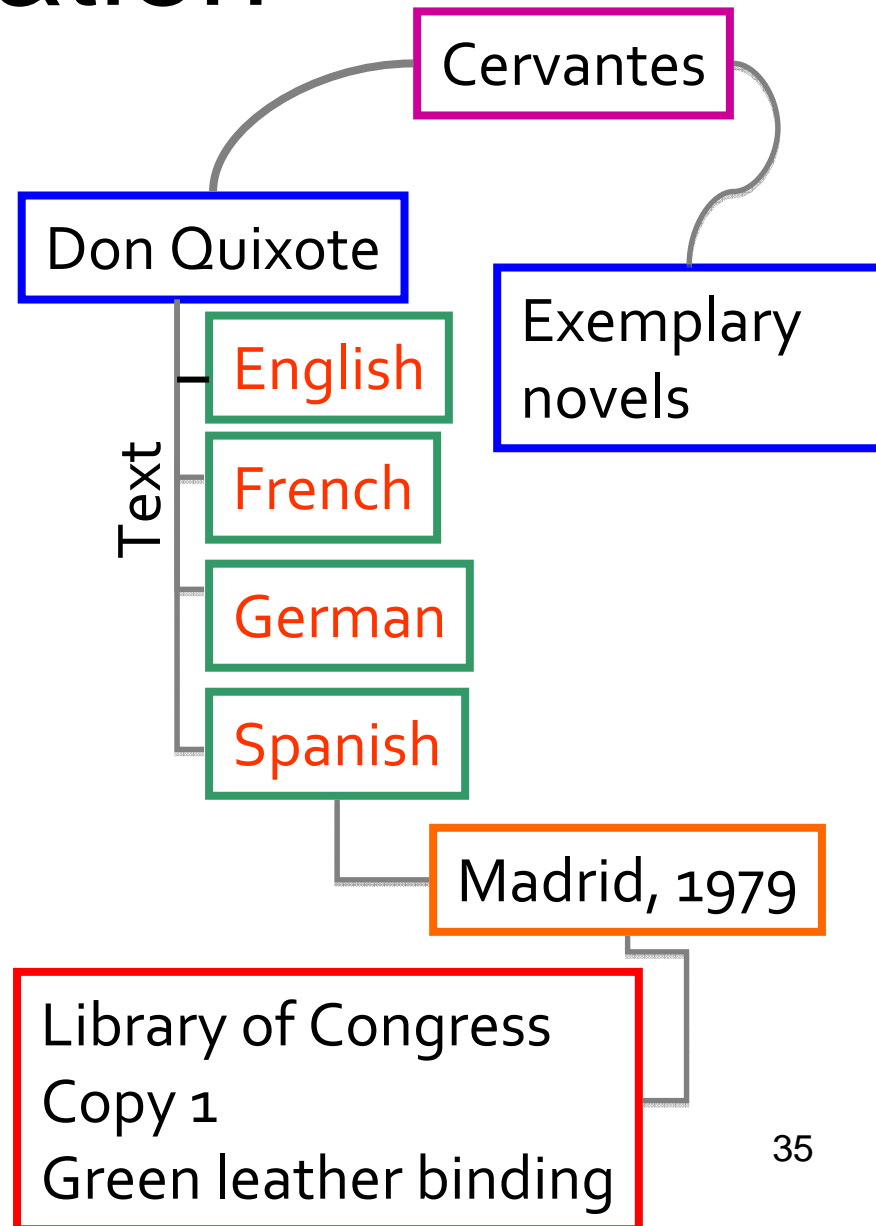
Relationships
Pathways to Related Works

Cervantes

Wasserman

Derivative works

Don Quixote

Author of

Author of

The Man of La Mancha

Text

English

French

German

Spanish

Exemplary novels

Movies
...

Subject

Madrid, 1979

Library of Congress
Copy 1
Green leather binding
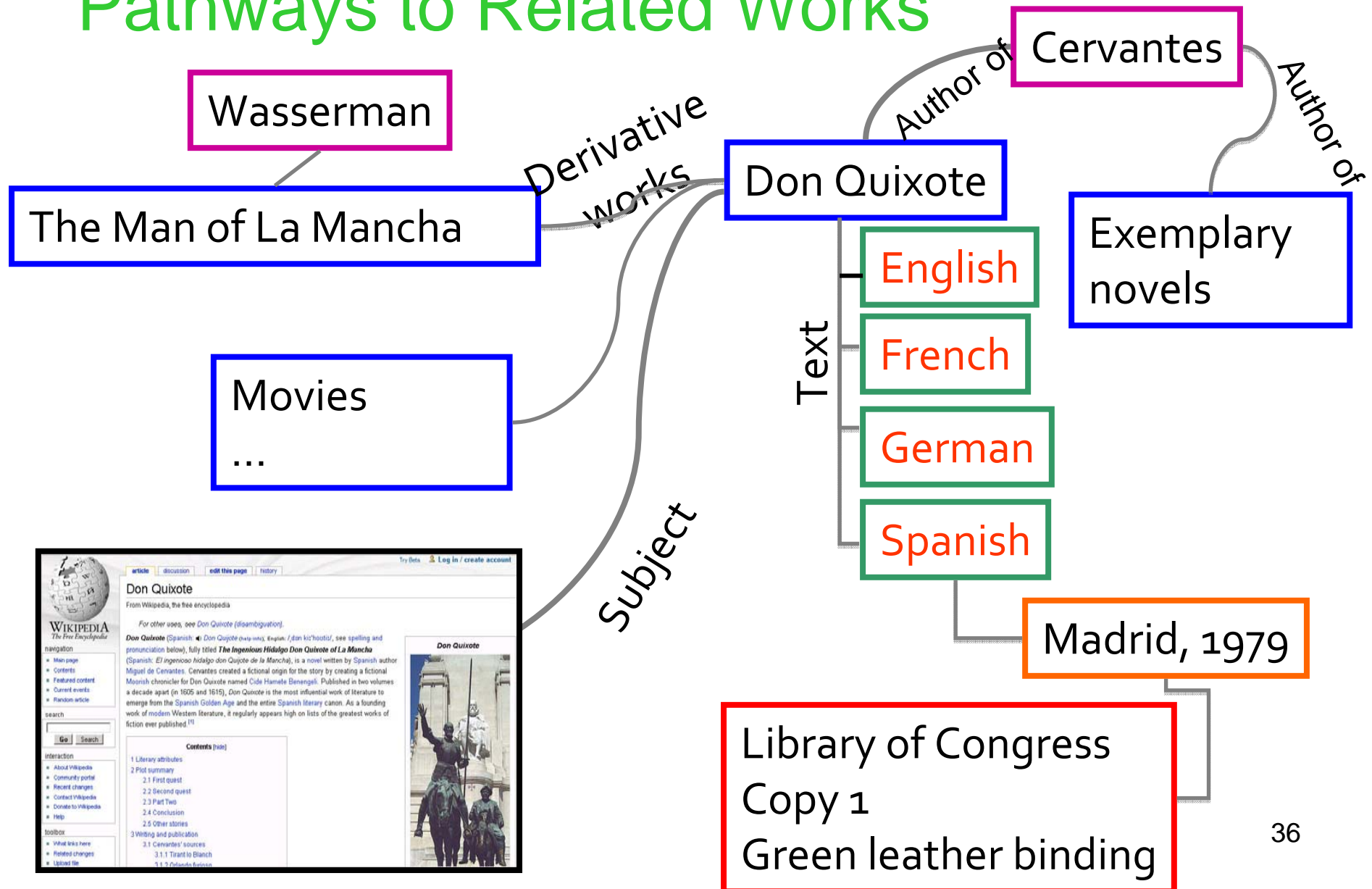
Internet

- Catalogs are no longer in isolation
  - Global access to data
- Integrate bibliographic data with wider Internet environment
  - Share data beyond institutions

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Databases, Repositories

Services

RDA

VIAF

LCSH

Web front end

Internet "Cloud"

38
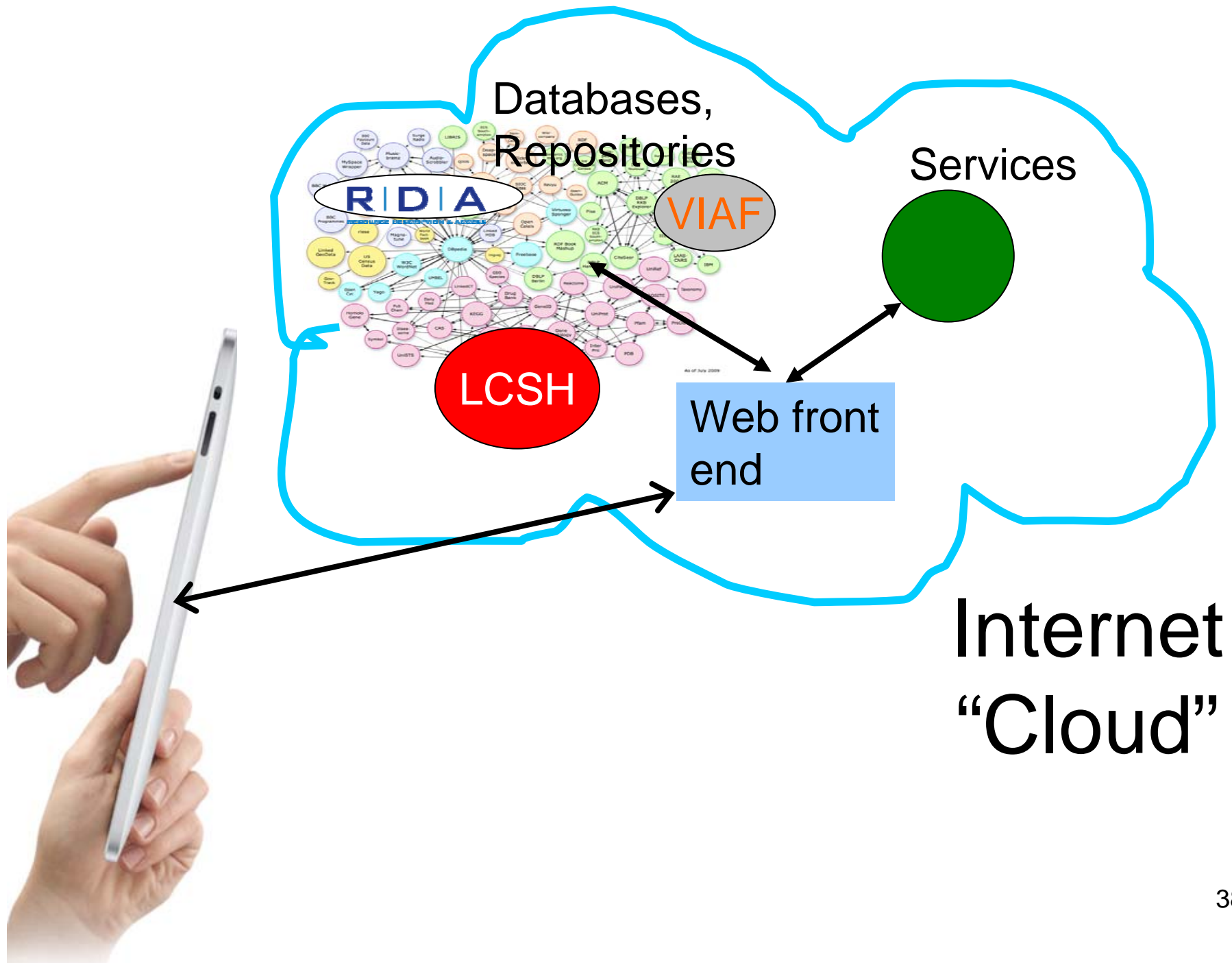
Current Cataloging Environment

- Web-based

- Wide range of information carriers
  - complexity of content

- Metadata (bibliographic information)
  - Created by a wider range of personnel in and outside libraries
  - Element-based metadata schemas
    - Dublin Core, ONIX, etc.

Database/format Scenarios

Bib record (flat-file)

Z
666.7
.L55
2009

Lee, T. B.

    Cataloguing has a future

      1 sound disc

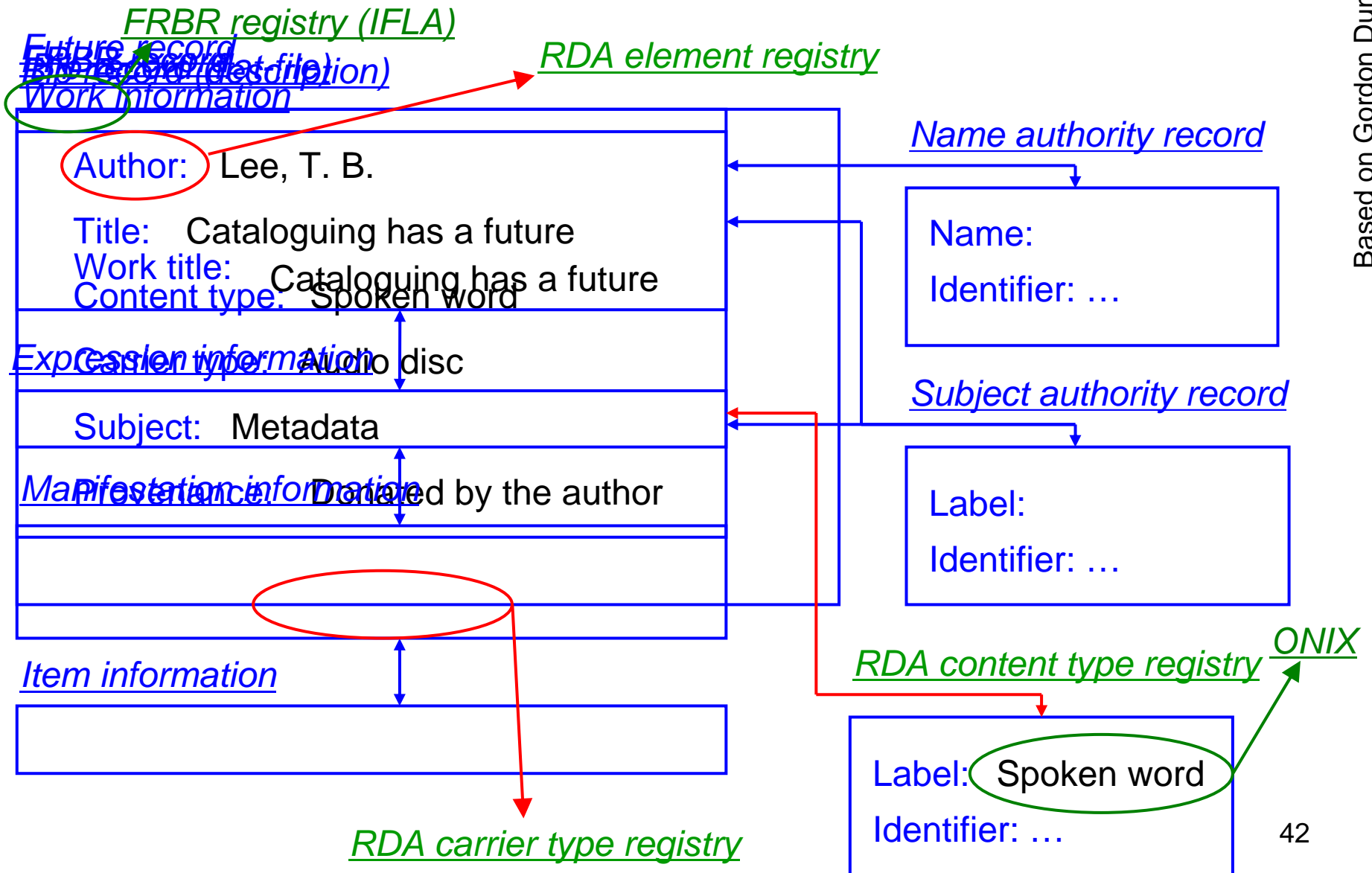Spoken word.
Donated by the author.

  1. Metadata

Database/format Scenarios

Bib record (flat-file)

100 01 $a Lee, T. B.

245 00 $a Cataloguing has a future

300    $a 1 sound disc

500    $a Spoken word.

561 1 $a Donated by the author.

650 0 $a Metadata

Database/format Scenarios

FRBR registry (IFLA)

Future record
(bibliographic format file)
Work information

RDA element registry

Name authority record

Author: Lee, T. B.

Title: Cataloguing has a future
Work title: Cataloguing has a future
Content type: Spoken word

Name:

Identifier: …

Expression information
Carrier type: Audio disc

Subject: Metadata

Subject authority record

Manifestation information
Provenance: Donated by the author

Label:

Identifier: …

Item information

ONIX

RDA content type registry

RDA carrier type registry

Label: Spoken word

Identifier: …

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Linked Data

Work information

Author:
Subject:
Work Title: Cataloguing has a future

Expression information

Content type:

Manifestation information

Title: Cataloguing has a future
Carrier type:

Item information

Provenance: Donated by the author

RDA carrier type registry

Audio disc

Name authority record

Name: Lee, T. B.
Identifier: …

Subject authority record

Label: Metadata
Identifier: …

RDA content type registry

Label: Spoken word
Identifier: …

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Package for Data Sharing

Communication format record

Work information

Author:

Subject:

Work Title: Cataloguing has a future

Expression information

Content type:

Manifestation information

Title: Cataloguing has a future

Carrier type:

Item information

Provenance: Donated by the author

Name authority record

Name: Lee, T. B.

Identifier: …

Subject authority record

Label: Metadata
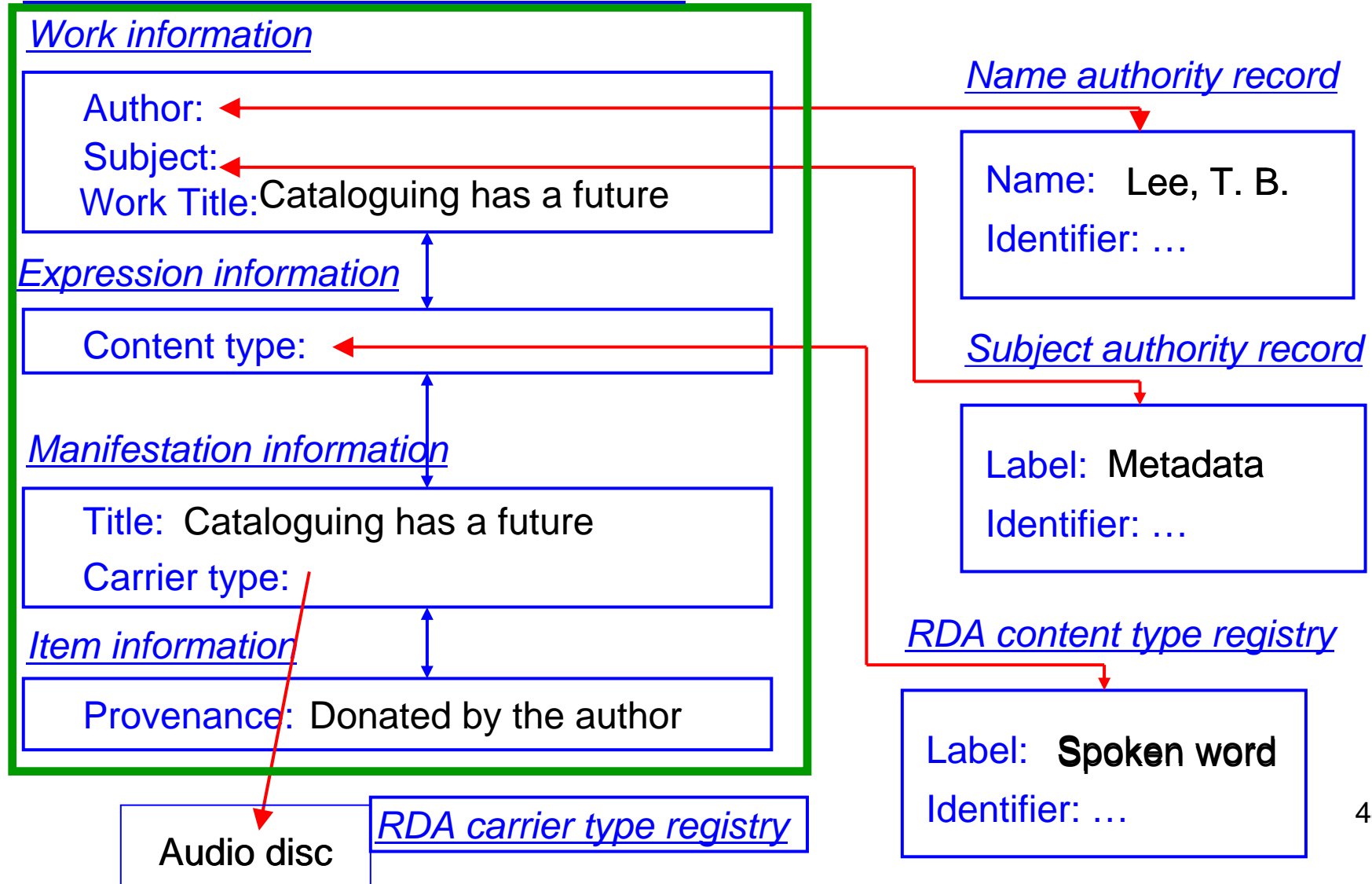
Identifier: …

RDA content type registry

Label: Spoken word

Identifier: …

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Audio disc

RDA carrier type registry

Package for displays

Future display

Author: Lee, T. B.

Content type: Spoken word

Title: Cataloguing has a future
Carrier type: (Audio disc)

Quiz on FRBR

AACR2 to RDA vocabulary

- heading $\longrightarrow$ authorized access point
- author, composer, etc. $\longrightarrow$ creator

- main entry $\longrightarrow$ preferred title + authorized access point for creator if appropriate

- uniform title $\longrightarrow$ (1) preferred title (+ other information to differentiate); (2) conventional collective title

AACR2 to RDA vocabulary

- see reference ⟶ variant access point

- see also reference ⟶ authorized access point
  for related entity

- physical description ➔ carrier description

AACR2 to RDA vocabulary

- GMD   ⟶   media type +
                                                        carrier type +
                                                        content type

- chief source   ⟶   preferred sources

RDA is a **content** standard

- <u>Not</u> a <u>display</u> standard (as is AACR2)
  - Does have appendix D for ISBD and appendix E for AACR2 style for access points

- <u>Not</u> an <u>encoding</u> standard
  - Use whatever schema you prefer (MARC 21, Dublin Core, etc.)

Mappings, etc., for transition

- RDA Appendix D mappings:
  - ISBD to RDA
  - MARC 21 bibliographic format to RDA

- RDA Appendix E:
  - Presentation and punctuation of access points
  - MARC 21 authority format mapping to RDA

- Other mappings in the RDA Toolkit

More international

- Focus on local user needs

- Choice of agency preparing the description:
  - Language of additions to access points
  - Language of supplied data
  - Script and transliteration
  - Calendar
  - Numeric system

For wider scope of resources
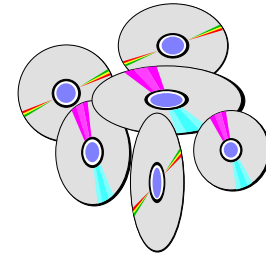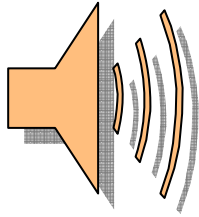
- Response to what's being acquired in libraries
  - More elements for non-printed text resources
  - More elements for non-text resources
  - More elements for unpublished resources
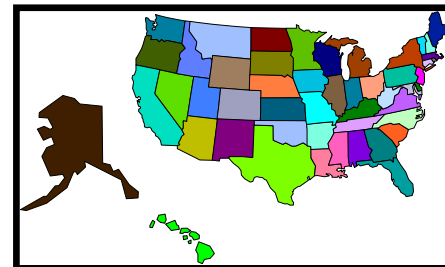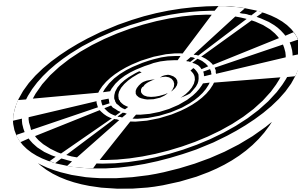
Includes authority data instructions

- Based on attributes and relationships in FRAD

- Authorized/variant access points and elements will for now continue to be documented in authority records

Has controlled vocabularies

- Only a few closed: content, media, and carrier types; mode of issuance; etc.

- Most are open: cataloger can supply term if needed term not in list

- Vocabularies being registered on the Web (http://metadataregistry.org/rdabrowse.htm) -- goal of multiple languages and/or scripts

RDA Structure

- General introduction
- Identifying elements (entities and their attributes)
  - Ch. 1-7: work, expression, manifestation, item
  - Ch. 8-16: person, family, corporate body, place
- Relationships: ch. 17-22, 24-32
- Appendices
- Glossary
- Index

RDA structure

- <u>Not</u> by class of materials: no separate chapters for books, printed music, etc.
  - Overarching principles applicable to all

- Basic goals: **identify** and **relate** (from FRBR/FRAD user tasks and ICP)

- Chapters: separate elements for goals
  - Assemble those elements when need <u>authorized access points</u> (instructions at <u>end of chapters 6, 9-11</u>)

RDA Toolkit not to be read linearly

- Using the online RDA Toolkit:
  - "Jumping in" via keyword searches
  - Going directly to elements from Table of Contents (ToC) pane
  - Following links
  - Seeing some duplication of content (needed for context)

- Printed text version of *RDA* is available
- Printed version of the RDA element set (a subset of the RDA content) in summer 2011

Core elements in RDA

- Based on <u>attributes mandatory for a national level record</u> in FRBR and FRAD

- Core elements listed as a group in RDA 0.6 and separately in appropriate chapters
  - Agency, consortium, etc., can add others

"Core-ness" identified at element level in RDA

- **If always** a core element (if applicable and available), label CORE ELEMENT appears below element name

- **If** use as a core element **depends** upon the situation, the label CORE ELEMENT is followed by an explanation of the situation

Other choices in *RDA*

- Alternatives and options

- "or" instructions

- "agency preparing …" instructions

Review

- Current environment
- What's wrong with AACR2?
- Foundations for RDA: ICP, FRBR, FRAD
- Terminology
- RDA structure