Resource Description and Access

A Cataloging Code for the Future (and related IFLA initiatives: FRBR, FRAD, IME ICC)

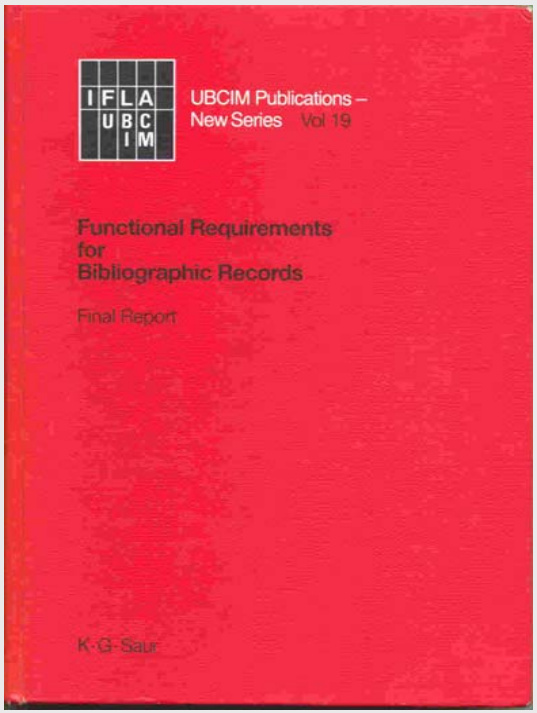
IGBIS
Durban, South Africa
August 24, 2007

Barbara B. Tillett, Library of Congress

Topics today

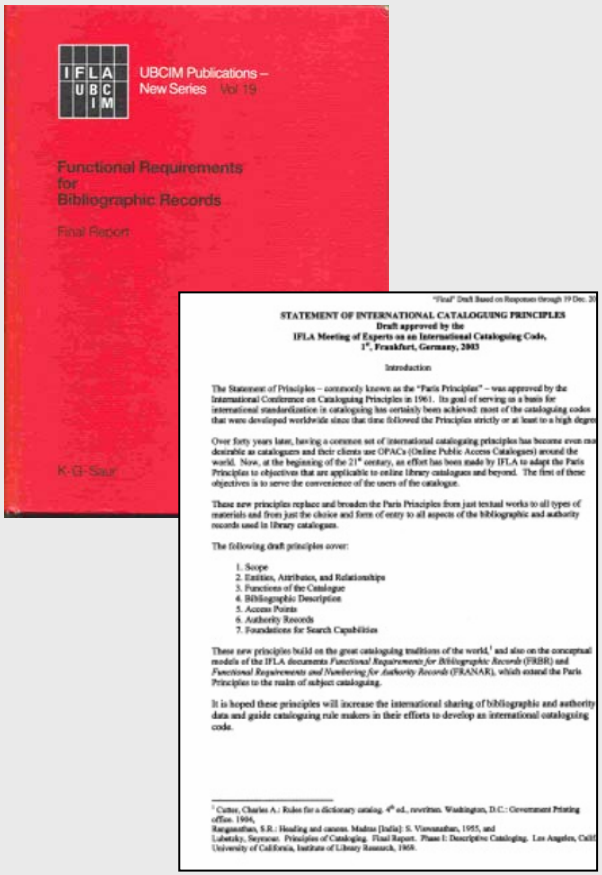
- IFLA Initiatives
  - What is *FRBR*?
  - FRAD, FRSAR
  - IME ICC
- What is *RDA* and why a new standard?
- *RDA* goals, structure, and content
- Preparing for *RDA*

What is FRBR?



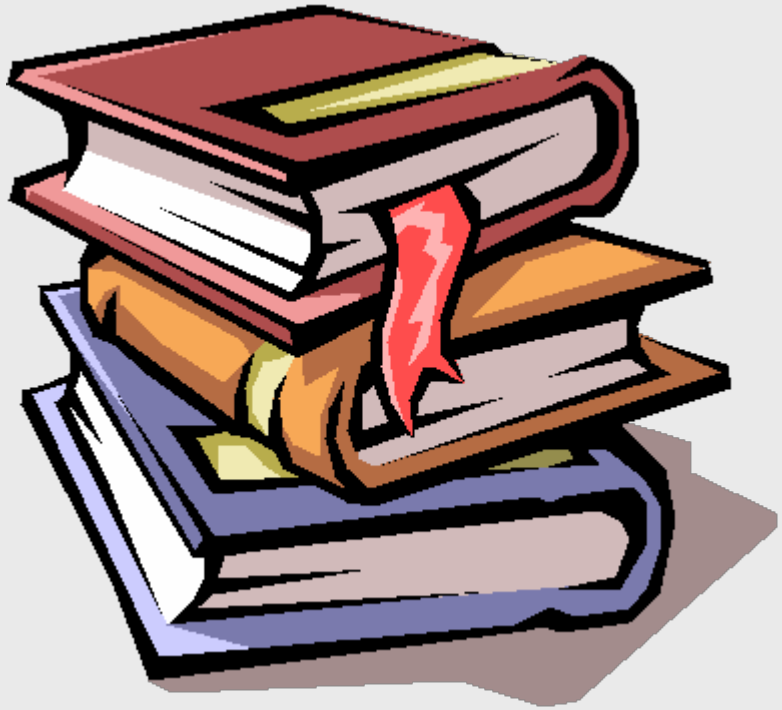
- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- User tasks
  - Find
  - Identify
  - Select
  - Obtain
- Entities, Relationships, Attributes
- Mandatory elements for a national level bibliographic record

Other International Developments



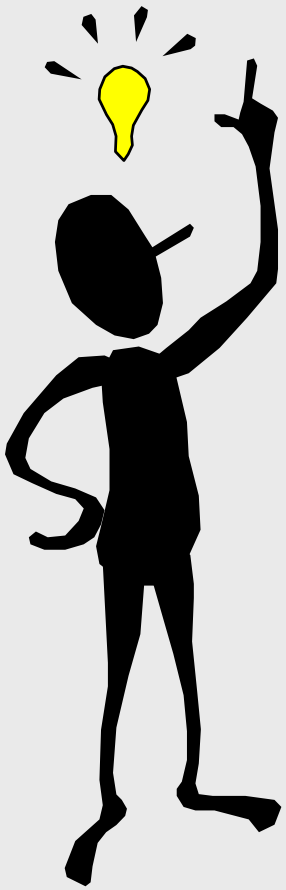
- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- FRAD for authority data
- Updating the Paris Principles (IME ICC)
  - IFLA Meeting of Experts on an International Cataloguing Code

Vocabulary

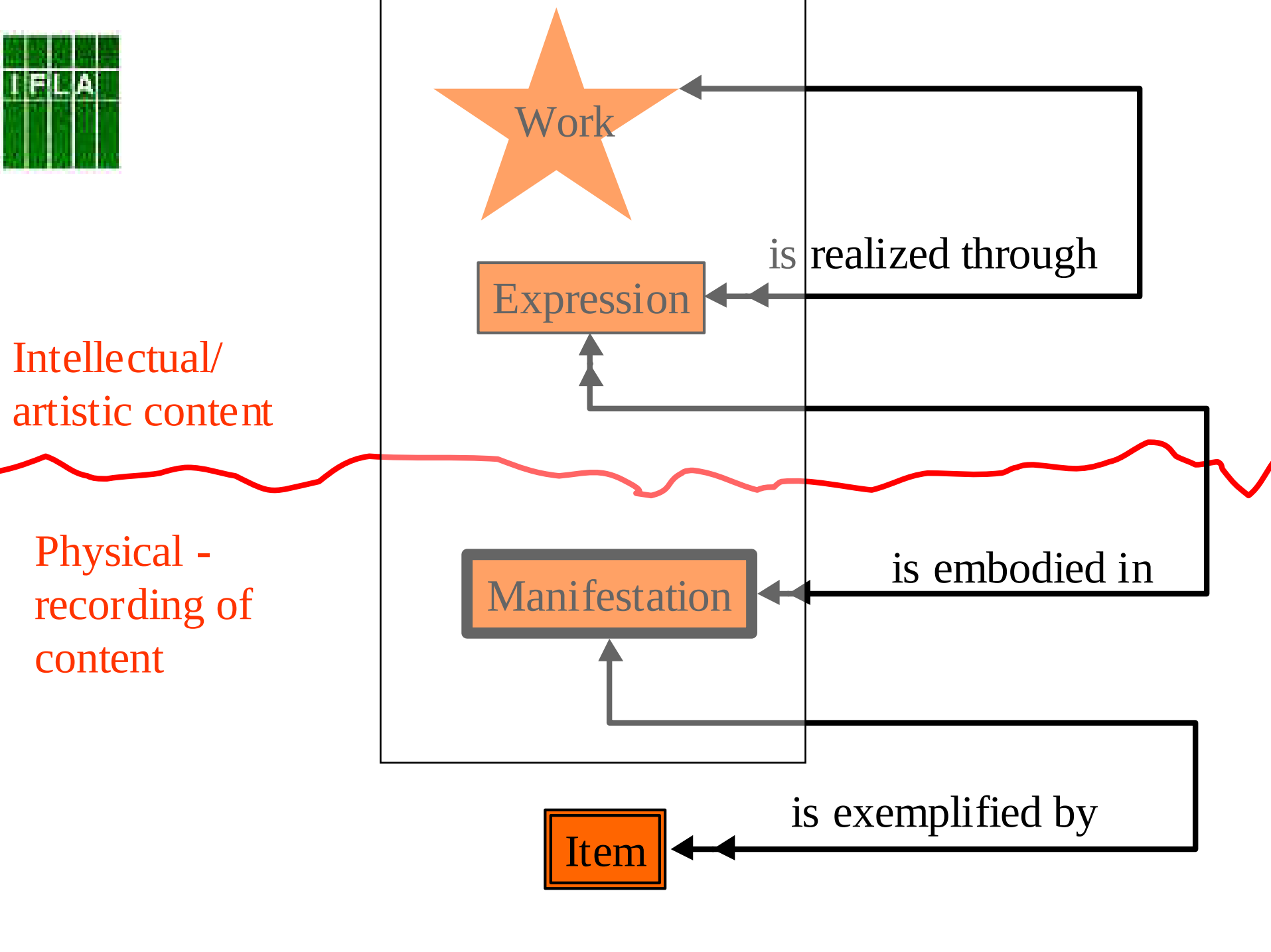


- "Book"
  - –Door prop (item)
  - –"publication" at bookstore any copy (manifestation)

Vocabulary

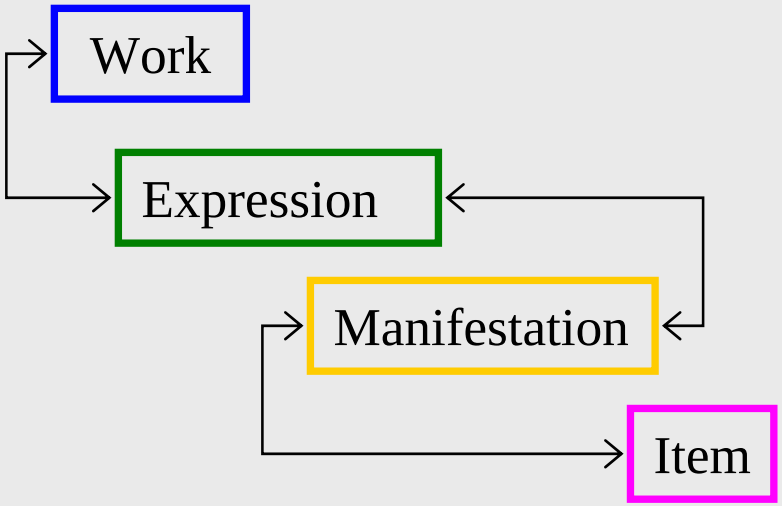


- “Book”
  - –Who translated? (expression)
  - –Who wrote? (work)


Work
is realized through
Expression
Intellectual/
artistic content
Physical -
recording of
content
Manifestation
is embodied in
is exemplified by
Item

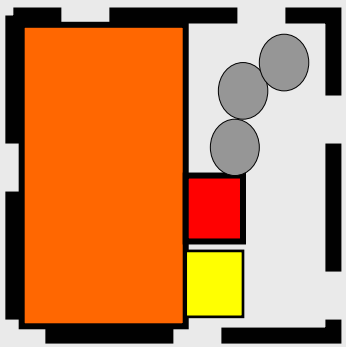
Relationships Inherent to the Group 1 Entities

- Work *"is realized by" an expression*
  - Expression *"is embodied in" a manifestation*
    - Manifestation *"is exemplified by" an item*
      - Item

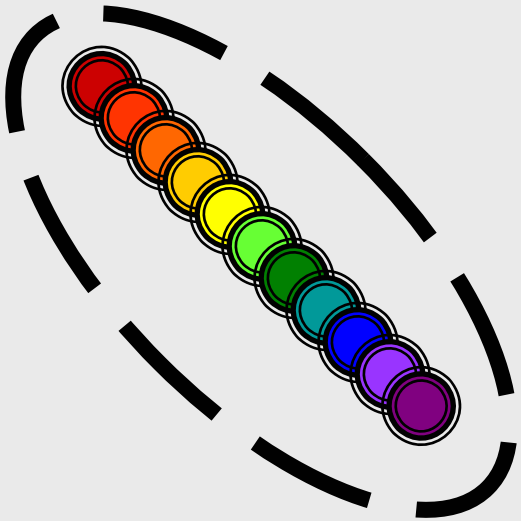


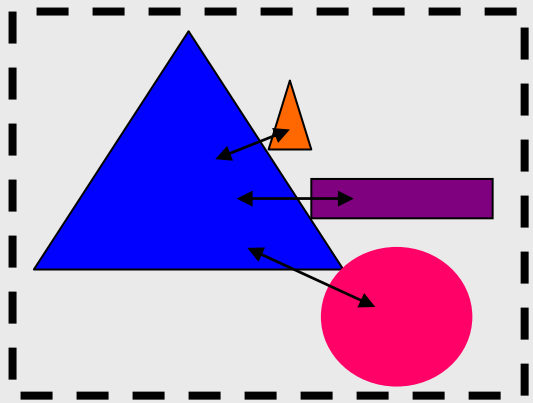
Relationships

- Inherent among the entities
- Content relationships among works



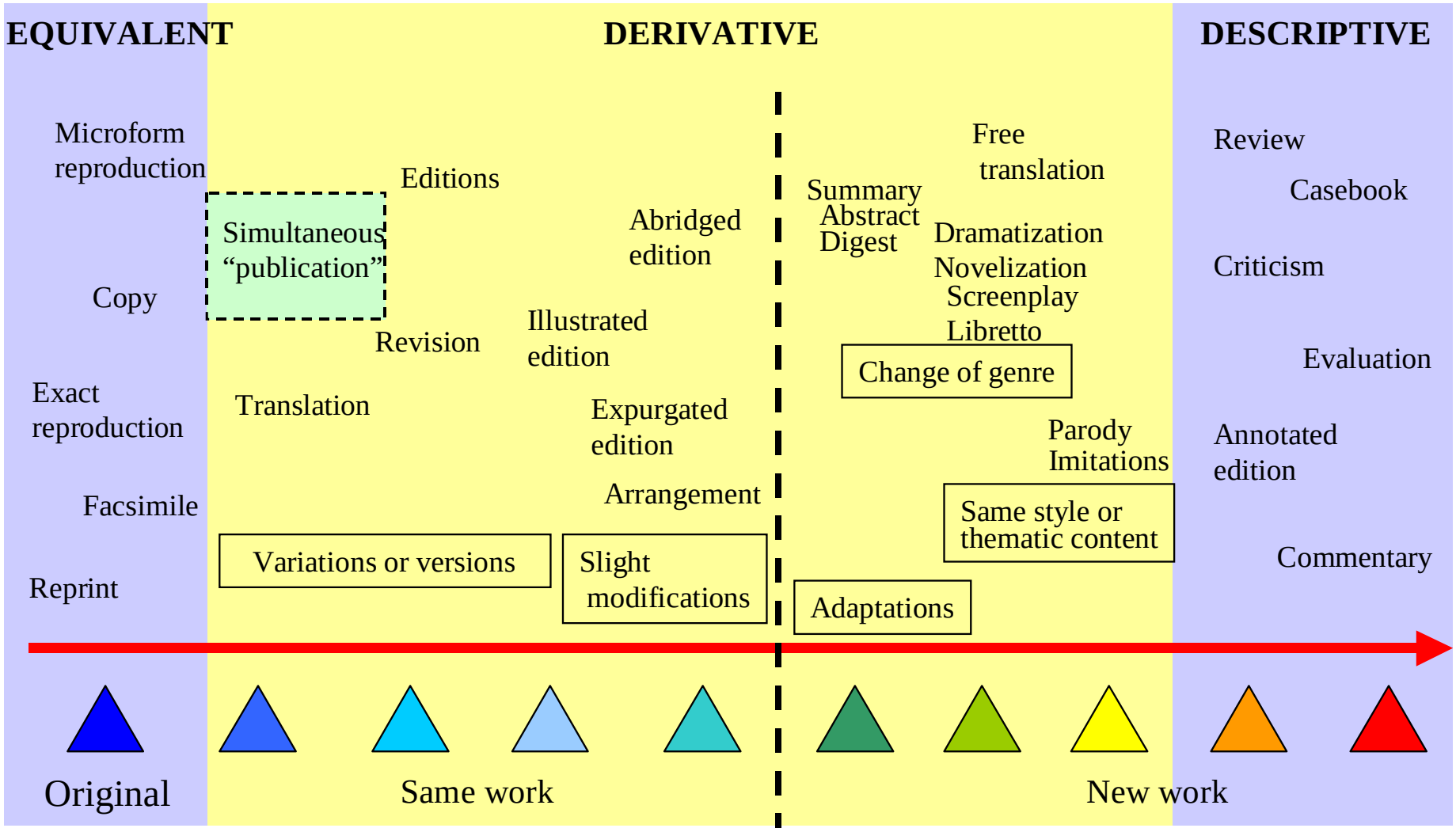
Whole-Part





Accompanying

Family of Works



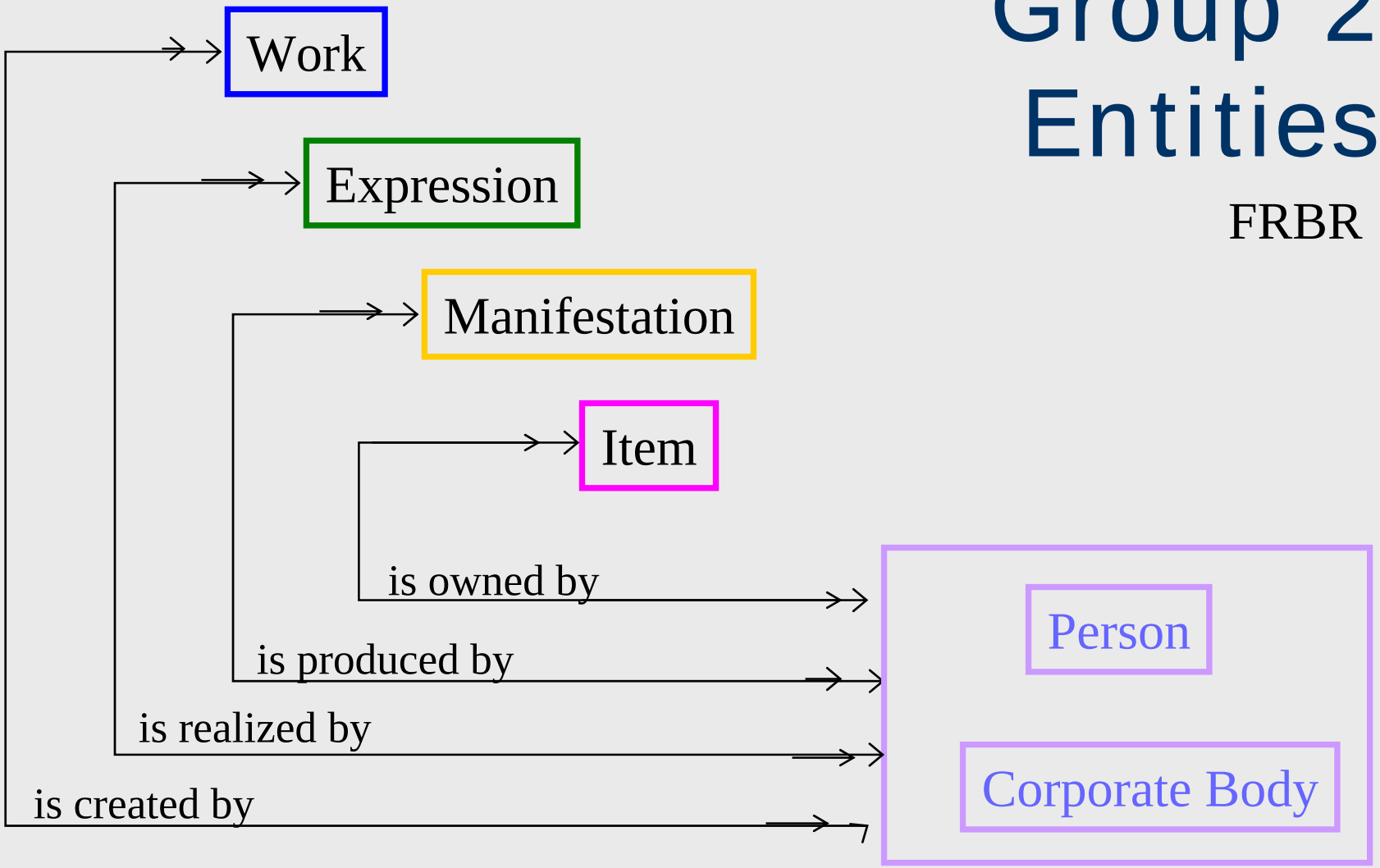
B. Tillett
Dec. 2001

Group 1 Entities' Attributes

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

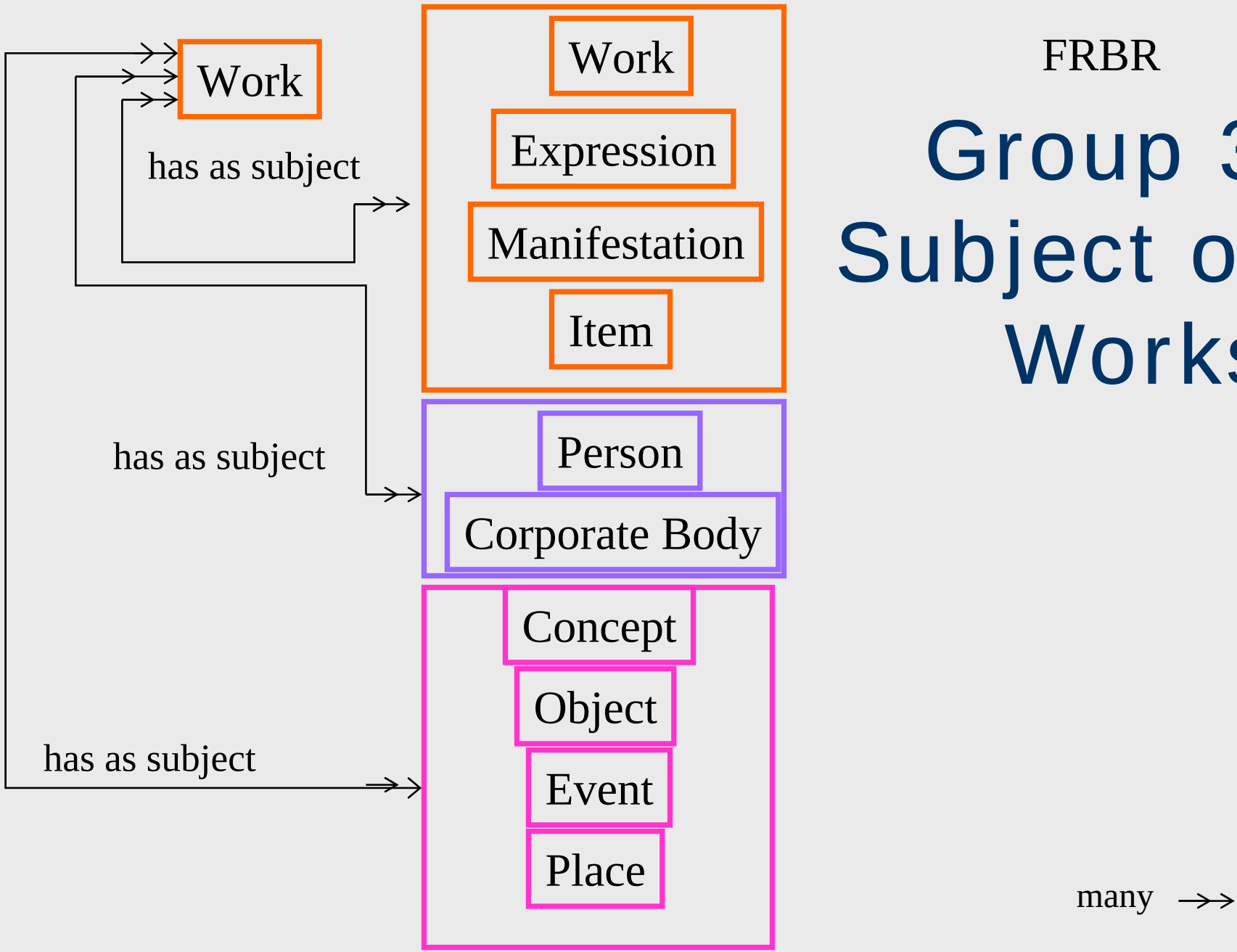
Group 2 Entities

FRBR

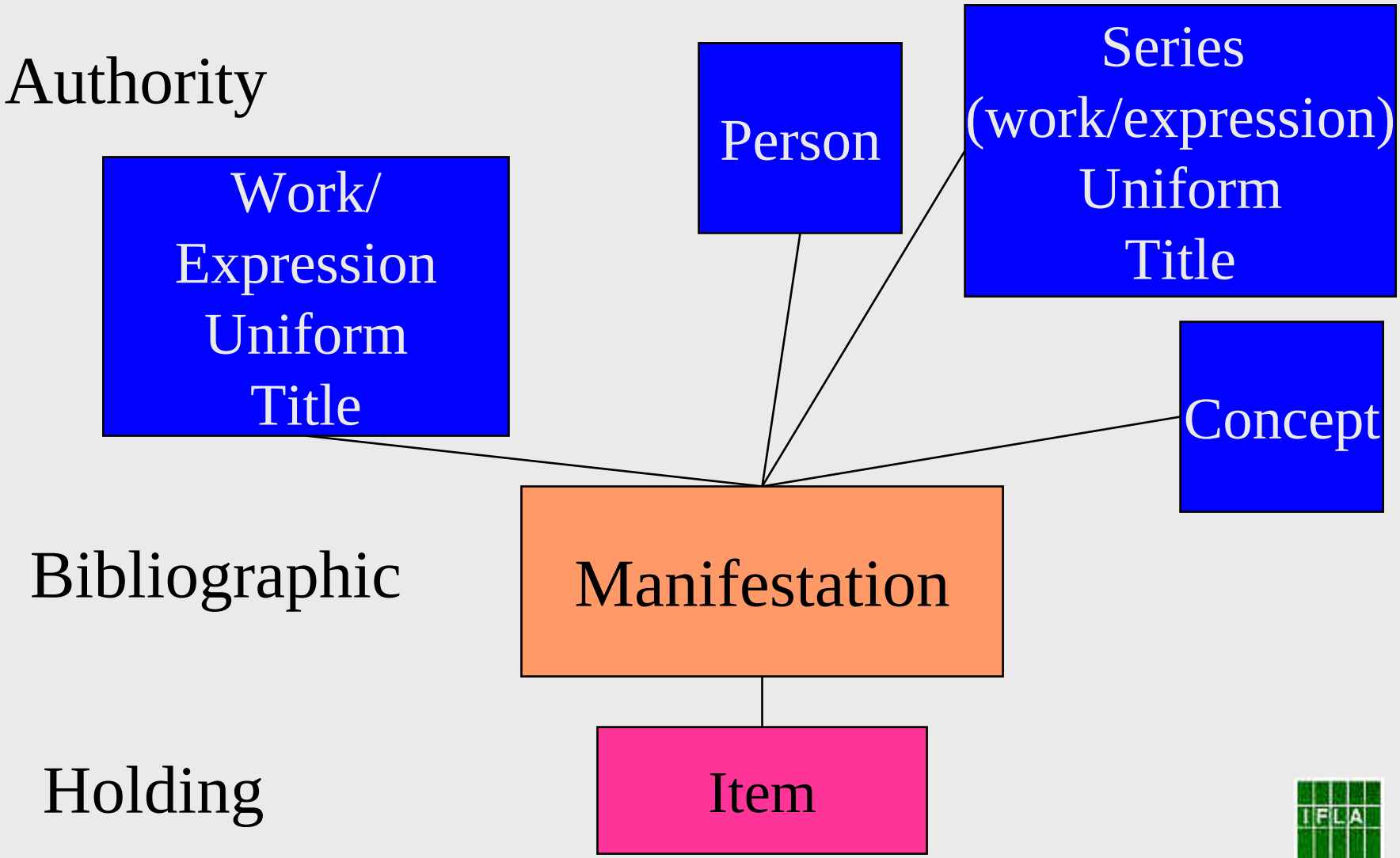


FRBR

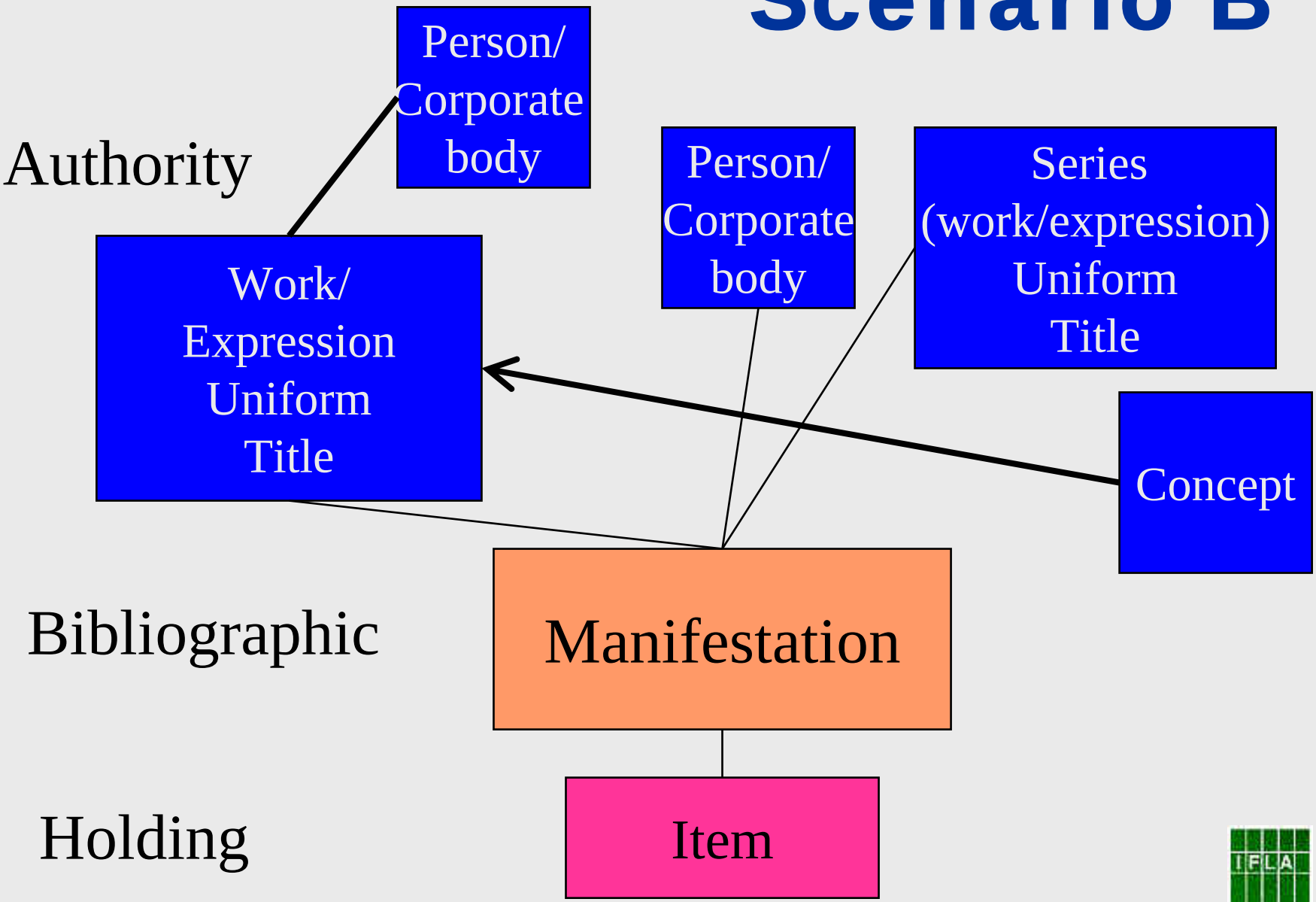
Group 3 Subject of Works



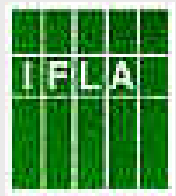
Possible FRBR applications
Scenario A - Now



Scenario B


Authority
Person/ Corporate body
Person/ Corporate body
Series (work/expression) Uniform Title
Work/ Expression Uniform Title
Concept
Bibliographic
Manifestation
Holding
Item

FRBR Benefits



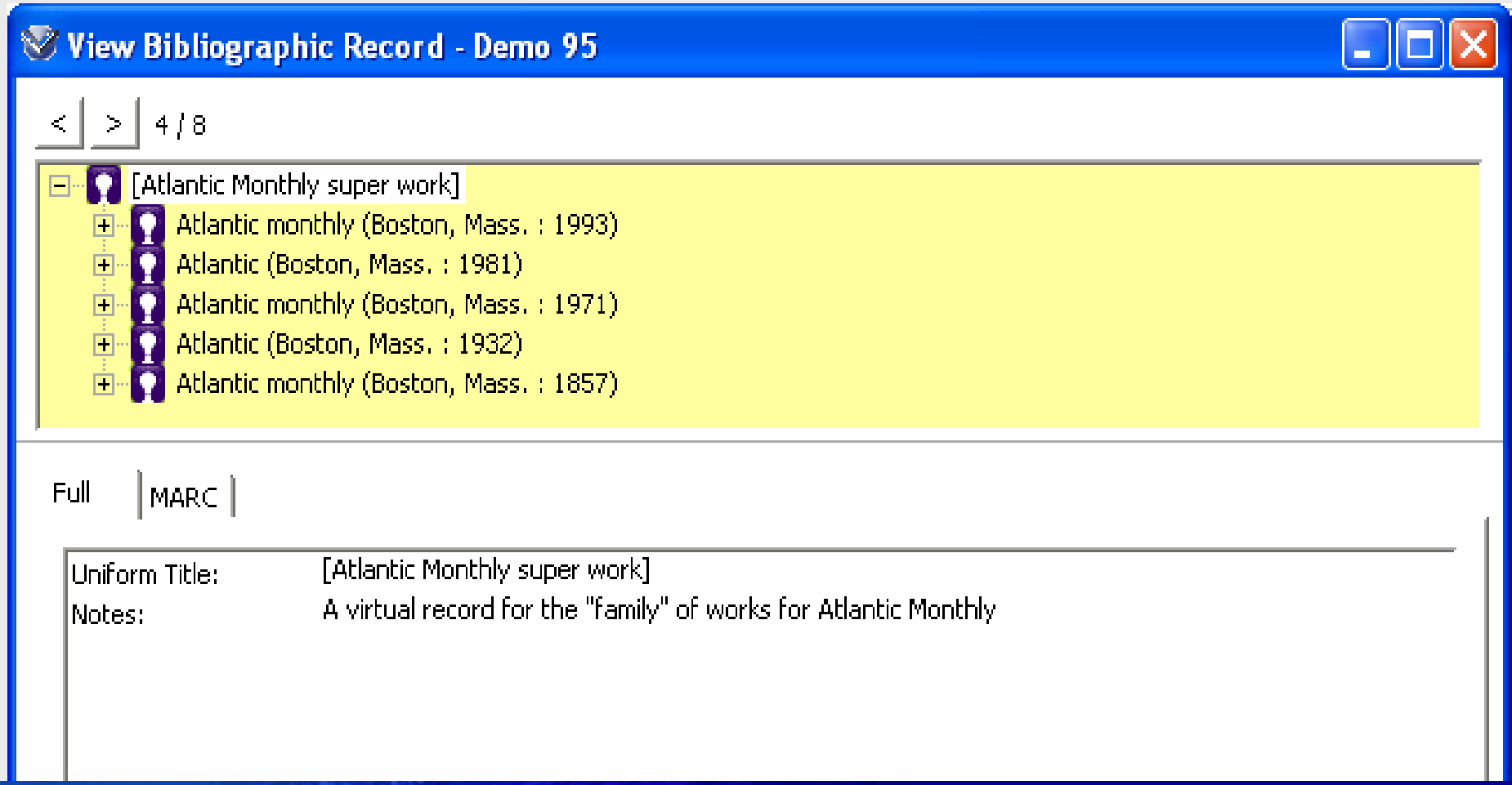
- Collocation
  - Better organization to catalog
- Easier cataloging
- Reduction in cataloging load
  - Work only cataloged once for all expressions of it
  - Expression only cataloged once for all manifestations of it
  - Item cataloging (already simple) remains the same

FRBR Benefits

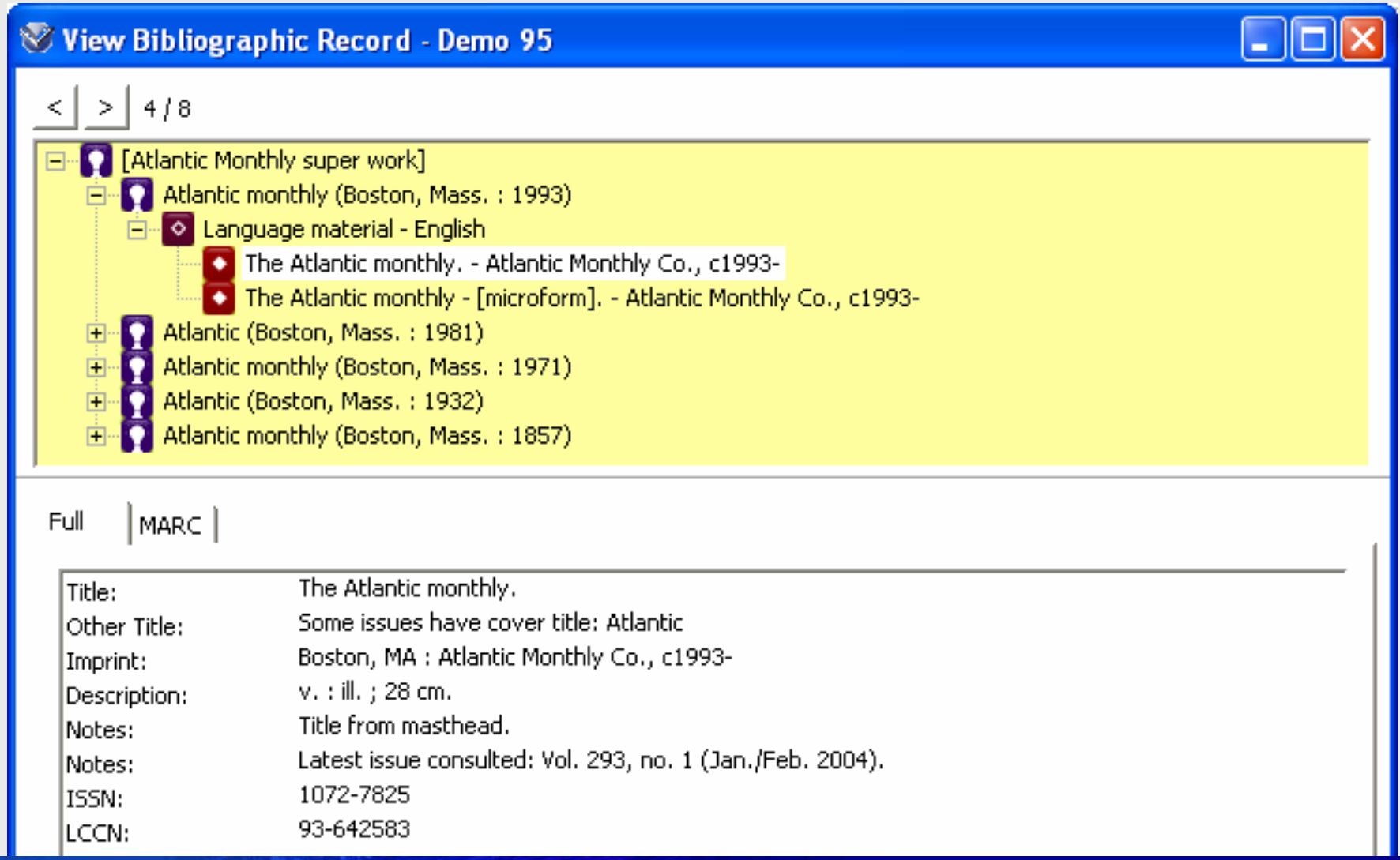
- Circulation: Place holds at “Work” or “Expression” level rather than only at manifestation level
  - (VTLS and OCLC demonstrate this)

Serial Example

Each of the five basic titles in the “family” of Atlantic Monthly is a “sub-work” under the Super Work.



This the Manifestation level record which has information like the title page, imprint, LCCN, and ISSN.



uriouser - Microsoft Internet Explorer provided by OCLC, Inc.

The lion, the witch and the wardrobe; a story for children.

Four English school children find their way through the back of a wardrobe into the magic land of Narnia and assist Aslan, the golden lion, to triumph over the White Witch, who has cursed the land with eternal winter.

WORK

Manifestations (99) Annotations (0) Comments (0) Reviews (0)

EXPRESSION

Find by Publisher	Find by Language	Find by Date	Find by Type
Macmillan (3307)	English (10667)	1950 (4757)	Text (9395)
HarperCollins (2917)		2000 (1470)	Sound (1216)
Collier (1613)		1994 (1381)	braille (54)
HarperTrophy (896)		1978 (978)	kit (1)
Scholastic (400)		1970 (640)	Image (1)
more		more	

MANIFESTATION

There are **10,667 copies** of **99 editions** for **The lion, the witch and the wardrobe; a story for children.**

1. **The lion, the witch and the wardrobe; a story for children.**
Lewis, C. S.Illustrated by Pauline Baynes.
Date: 1950.
Type: text
Held by: 1889

2.

The lion, the witch, and the wardrobe /
Lewis, C. S.C.S. Lewis ; illustrated by Pauline Baynes.
Date: 1994.
Type: text
Held by: 1139

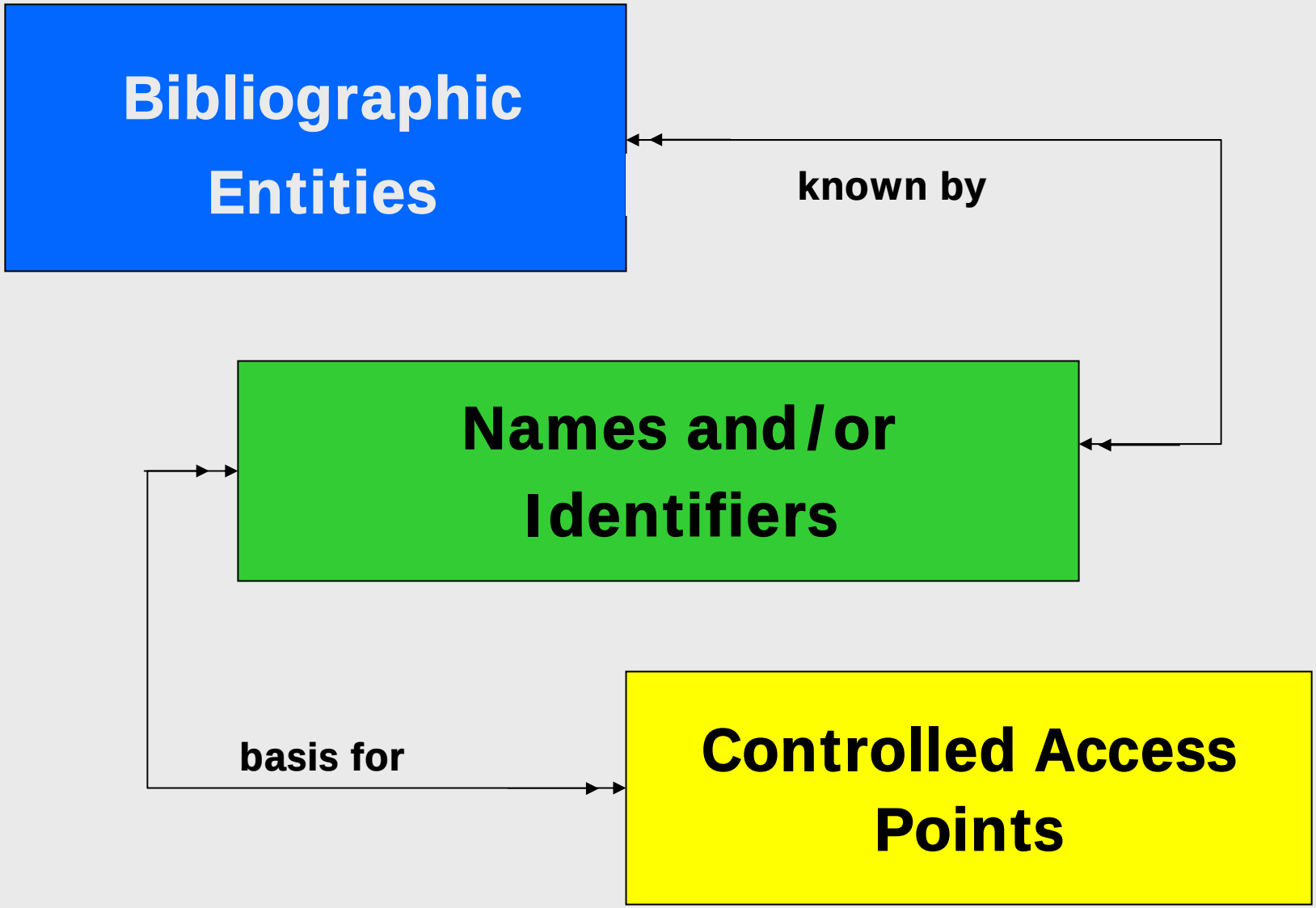
Subjects

Children
Compact discs
Critical thinking
Fairy tales
Fantasy
Fantasy drama, English
Fantasy fiction
Fantasy fiction, English
Good and evil
Hawaiian language
Imaginary places
Imaginary places in literature

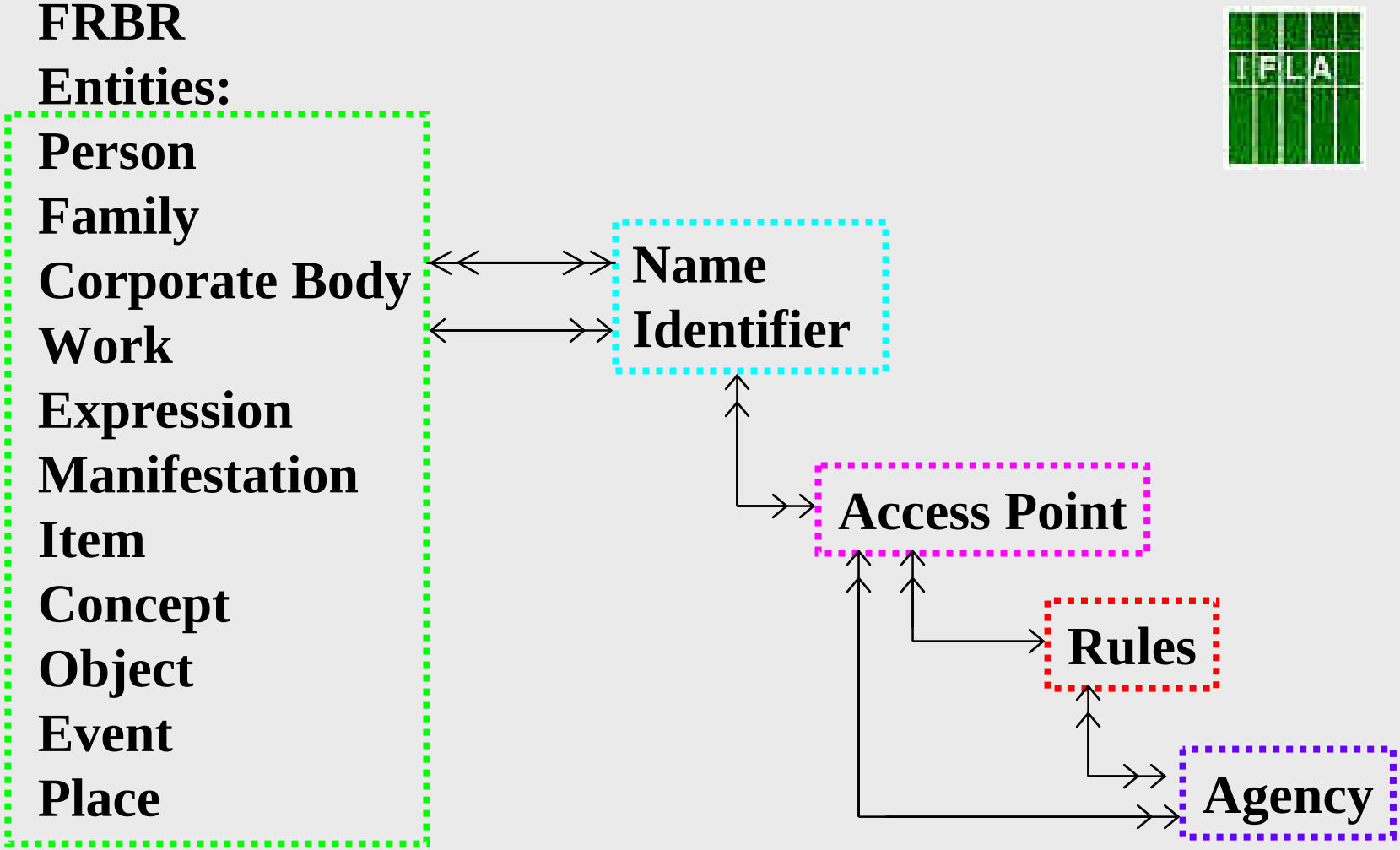
FRAD

- Functional Requirements for Authority Data
- Extension of the FRBR model to authority control

FRAD

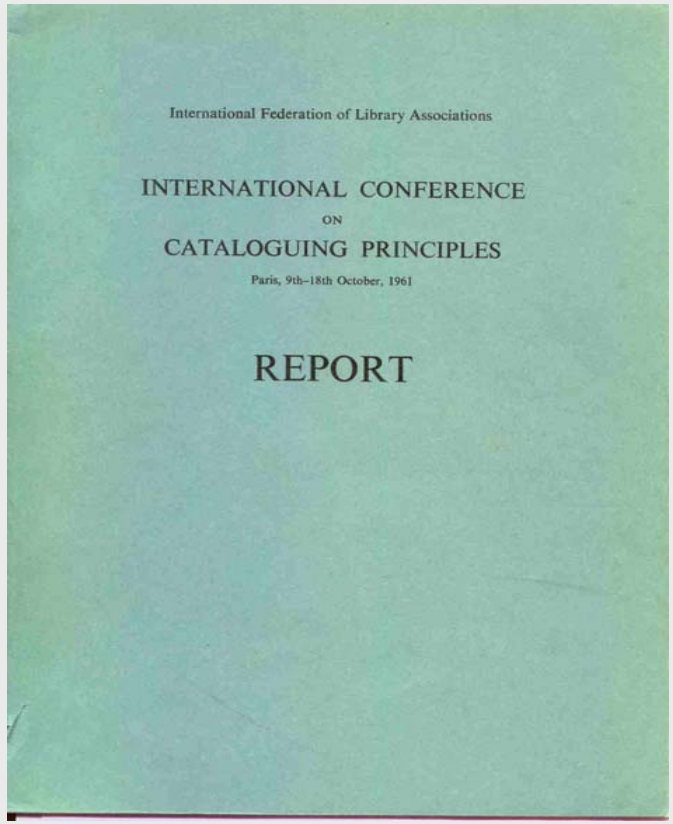

Bibliographic Entities
known by
Names and/or Identifiers
basis for
Controlled Access Points

FRAD extension to FRBR



Cataloguing Principles

- 1961 – IFLA's "Paris Principles"



IME ICC Goals & Objectives

- Goal
  - Increase the ability to share cataloguing worldwide by
  - Promoting standards
- Objectives
  - Develop “Statement of International Cataloguing Principles”
  - See if rules/practices can get closer together
  - Make recommendations for an International Cataloguing Code

IME ICC Regional Meetings

- IME ICC1 – Europe/Anglo-American
  http://www.d-nb.de/standardisierung/afs/imeicc_index.htm

- IME ICC2 – Latin America-Caribbean
  http://www.loc.gov/imeicc2

- IME ICC3 – Middle East
  http://www.loc.gov/loc/ifla/imeicc/

- IME ICC4 – Asia
  http://www.nl.go.kr/icc/icc/main.php

IME ICC5

- **2007 August 14-15 subSaharan Africa**
  - **Hosted by the National Library of South Africa, Pretoria, South Africa**

http://www.imeicc5.com

New standard: why?

- Simplify rules
  - Encourage use as a content standard for metadata schema
  - Encourage international applicability
- Provide more consistency
- Address current problems
- Principle-based
  - To build cataloger's judgment
  - Encourage application of FRBR/FRAD

Why not just keep revising *AACR2*?

- *AACR2*
  - 1978
  - 1988
  - 1998
  - 2002

Background

- 1997: International Conference on the Principles and Future Development of AACR, Toronto
  - Worldwide experts invited by the JSC
  - Reviewed principles
  - Content vs. carrier
  - Logical structure of the rules
  - Seriality
  - Internationalization

From *AACR3* to *RDA*

- ***April 2005*** – decided to start afresh by rethinking and restructuring AACR3
- Came as a result of concerns that a revision of AACR2 would not accommodate digital resources
- Adopted the name *Resource Description and Access*

New Cataloging Environment

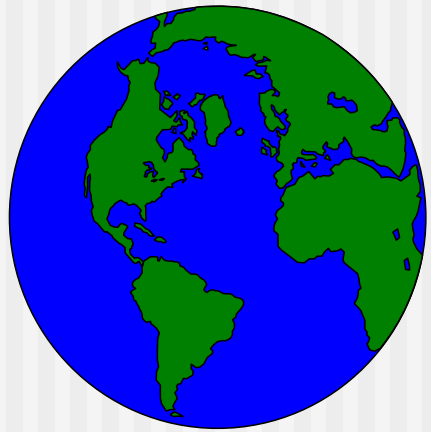
- Wide range of information carriers: wider depth & complexity of content
- Metadata (bibliographic information) created by a wider range of personnel in and outside libraries; some using new metadata schemas (Dublin Core, etc.)
- Descriptive data in digital form (ONIX, etc.)

GOALS: *RDA* will be …

- A new standard for **resource description and access**
- Designed for the **digital** environment
  - Web-based product
    - paper also available
  - Description and access of all digital and analog resources
  - Resulting records usable in the digital environment (Internet, Web OPACs, etc.)

RDA will be …

- "A multinational ***content standard*** providing bibliographic description and access for the variety of media and formats collected by libraries today"
- Developed for use in English language environment;
- it can also be used in other language communities



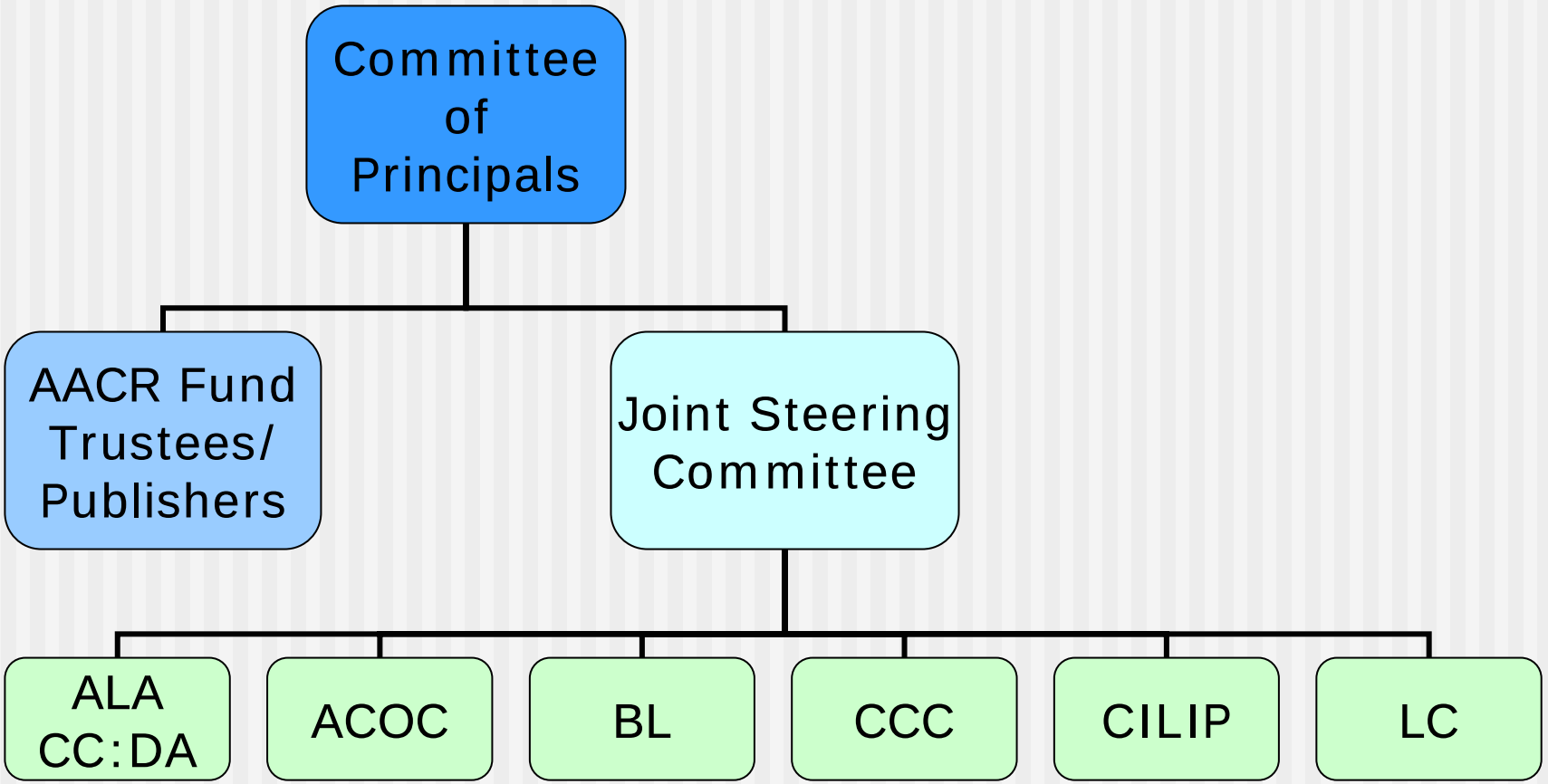
Content vs. display

- RDA will be a **content standard** --not a display or encoding standard
  - Independent of the encoding ***communication format*** (e.g., MARC 21, MODS)
  - Independent of ***display format*** (e.g., OPAC labels, ISBD)
    - International Standard Bibliographic Description (ISBD) display information in Appendix to RDA
    - *RDA*-created records can be displayed in an ISBD display if desired

RDA will ...

- Support FRBR user tasks
  - Find, identify, select, obtain
- Enable users of library catalogs, etc., to find and use resources appropriate to their information needs

Who develops and supports *RDA*?



JSC and Project Management Team

Creating RDA

- Process of creating *RDA*
  - Editor drafts chapters
  - JSC reviews chapters
  - Editor revises chapters
  - JSC constituencies (and others) review chapters
  - JSC considers comments and requests changes to text by the Editor

RDA Proposed Structure

- General introduction
- Part A – Description and access
- Part B – Authority control (Access point control)
- Part C?
- Appendices
  - Capitalization, Abbreviations, Initial articles
  - Presentation (ISBD display, OPAC display, etc.)
- Glossary
- Index

Part A
Chapters 0-5

0. Introduction
1. General guidelines for resource description
2. FRBR **"Identify"** the resource
3. Carrier description - FRBR **"Select"**
4. Content description - FRBR **"Select"**
5. Acquisition and access information - FRBR **"Obtain"**

Part A Ch. 6-7 "Relationships"

FRBR user task **"Find"**

- Chapter 6: Relationships between FRBR Group 1 and Group 2 entities
  - Persons
  - Corporate bodies
  - Families
- Chapter 7: Relationships among FRBR Group 1 entities
  - Works
  - Expressions
  - Manifestations
  - Items

Part B
Access Point Control

- Choice of access points
- General guidelines for access point control
- Access points (preferred forms and variants) for:
  - Persons, Families, Corporate bodies, Places
  - Works, Expressions, etc.
- Other information used in access point control (entity identifiers, sources, etc.)

Part C?

- Elements that are data about data
  - “Description based on...”
  - Etc.

New Terminology

AACR2 terms	*RDA terms*
Heading	Access point
Authorized heading	Preferred access point
Main Entry	Access point/creator of work
Added Entry	Access point
Authority control	Access point control
Uniform title	Preferred title
	Name of the work (to include name of creator when applicable)

New elements

- Media, Carrier, and Content Types to replace GMDs
- Other examples:
  - File characteristics for digital materials
  - Video format characteristics
  - Custodial information for archival resources
  - Braille characteristics

How many elements?

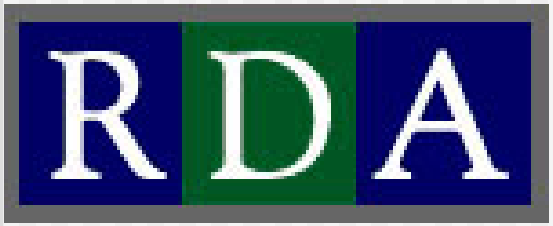
- Required mandatory data elements (instruction 1.4)
- Within the text, data elements will be labelled as:
  - “Required”
  - “Optional”

Transcription

- Importance of transcription of data to identify the resource varies
  - Rare books – very important!
  - Digital materials – maybe not as important
- “Take what you see”
  - Correction of inaccuracies elsewhere
  - Facilitating automated data capture

Customizing *RDA Web Tool*

- Instructions will be coded by type of content, mode of issuance, etc.:
- Can create a customized version of the Web-based *RDA* to see only the instructions you need or want to see
  - Cartographic instructions
  - Serial instructions
  - Etc.



Preparing for *RDA* ...

Questions and Answers

- FAQ ("Frequently Asked Questions") on adopting RDA and other topics available on the JSC Web site:

http://www.collectionscanada.ca/jsc/rda.html

RDA Records in MARC Format

- Most RDA data elements can be incorporated into MARC 21
- A few changes in MARC 21:
  - New data elements to replace GMDs
  - Possibly some other modifications necessary
- RDA and Dublin Core: mappings, further discussions

Making decisions …

- Required data elements + which others?
- Which alternatives and options?
- Who decides how to apply RDA?
  - National libraries
  - Other governing bodies: OCLC, the Program for Cooperative Cataloging
  - Individual institutions

Retrospective catalog maintenance?

- No: Intend for RDA records to be compatible
- Need for retrospective adjustments when integrating *RDA* and *AACR2* records will be minimal, if at all

Draft Reviews

- Mar.-June 2007: Chapter 3 “Carrier”
- July–Sept. 2007: Chapters 6 and 7 “Relationships”
- Dec. 2007-Mar. 2008: Part B “Access Point Control”
- July-Sept. 2008: Complete draft of *RDA*
- Early 2009: First release of *RDA*

Commenting on *RDA* Drafts

- *RDA* drafts & documents available at:

http://www.collectionscanada.ca/jsc/rda.html

- Informal discussion: subscribe to RDA-L (link on page above)

- Formal comments: send to Chair of JSC, Deirdre Kiorgaard, dkiorgaa@nla.gov.au

RDA Web Tool Prototype

- View/listen to a 3-minute demonstration of RDA Online

www.rdaonline.org

- Complete a brief survey – we want your feedback!

Training for *RDA*

- Catalogers ***will*** need some training in RDA – hope it's more like "orientation"
- Groups that provide training are beginning to make plans
- Online product will assist with learning

RDA Products

- Online (Web Tool) product first:
  - Different pricing structures
- Additional formats: co-publishers want information from you
  - Focus groups at ALA Annual Conference in June 2007
  - Questions also to be posted online for your responses

Summary

- Internationally agreed principles
  - IME ICC
- Conceptual models
  - FRBR
  - FRAD
- Collaborative effort
- Resulting records for use in Web environment
- 2009