Resource Description and Access

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

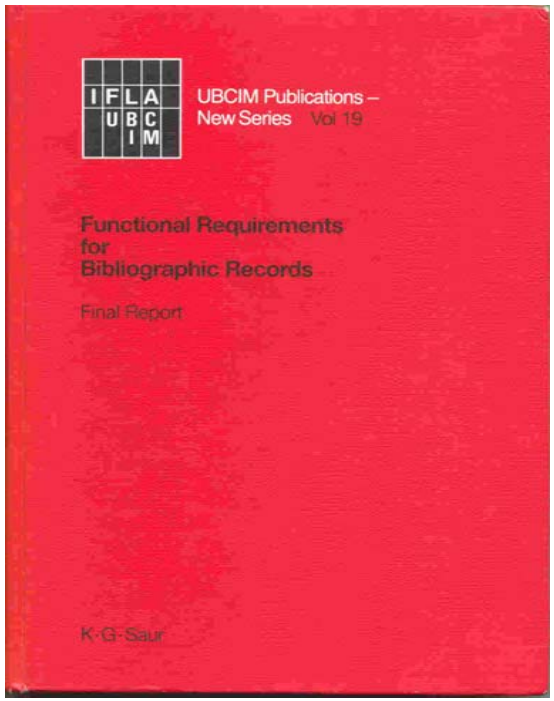
III Encuentro Internacional de Catalogadores
"Tendencias actuales en la organización de la información"
28 Nov 2007
Biblioteca Nacional, Buenos Aires. Argentina

Barbara B. Tillett, Library of Congress

Topics today

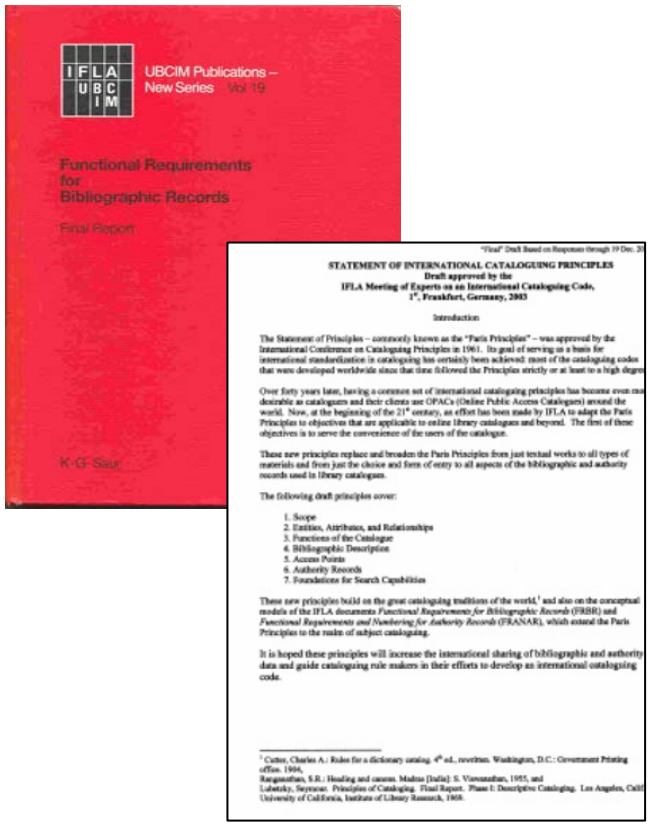
- IFLA Initiatives
  - What is *FRBR*?
  - FRAD
  - IME ICC
- What is *RDA* and why a new standard?
- *RDA* goals, structure, and content
- Preparing for *RDA*

What is FRBR?



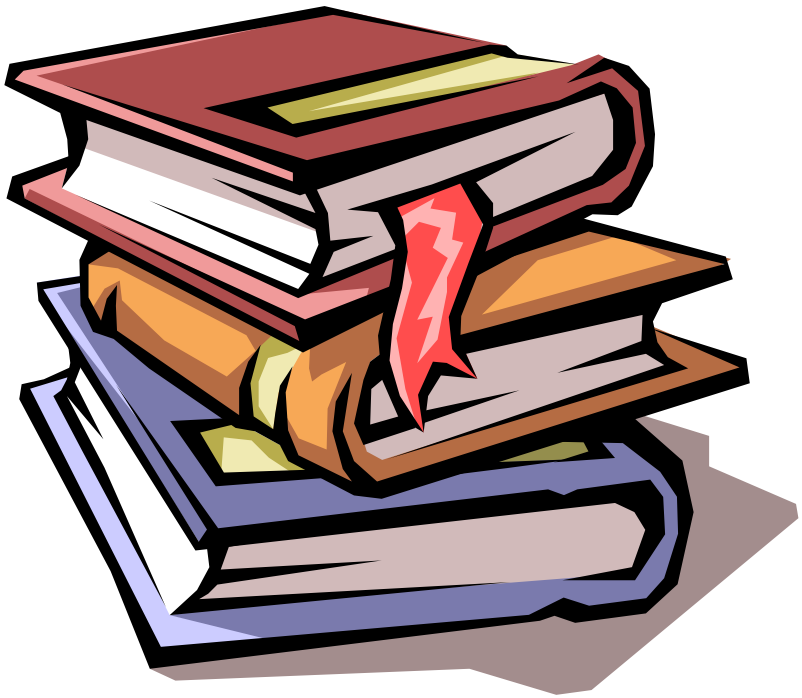
- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- User tasks
  - Find
  - Identify
  - Select
  - Obtain
- Entities, Relationships, Attributes
- Mandatory elements for a national level bibliographic record

Other International Developments



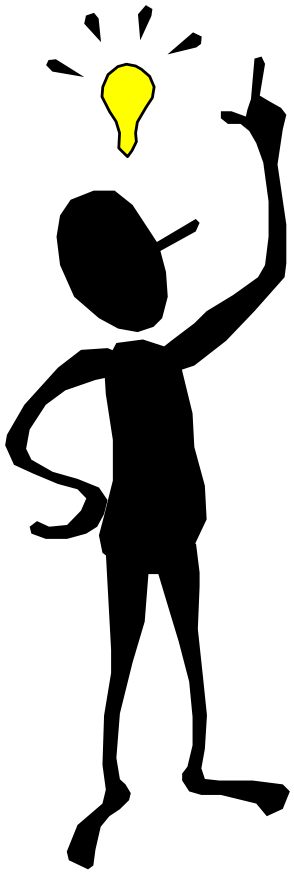
- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- FRAD for authority data
- Updating the Paris Principles (IME ICC)
  - IFLA Meeting of Experts on an International Cataloguing Code

Vocabulary

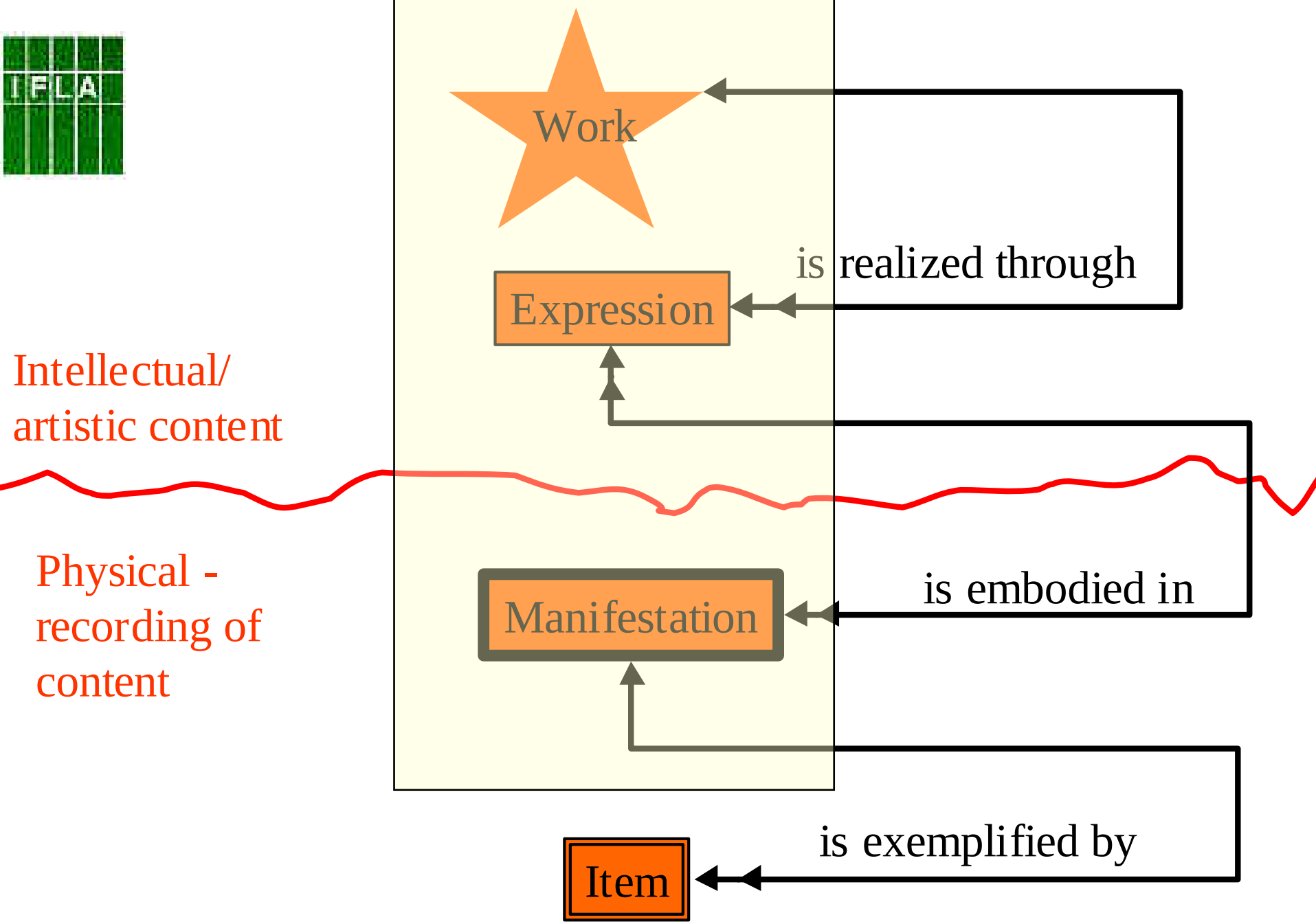


- "Book"
  - Door prop (item)
  - "publication" at bookstore any copy (manifestation)

Vocabulary



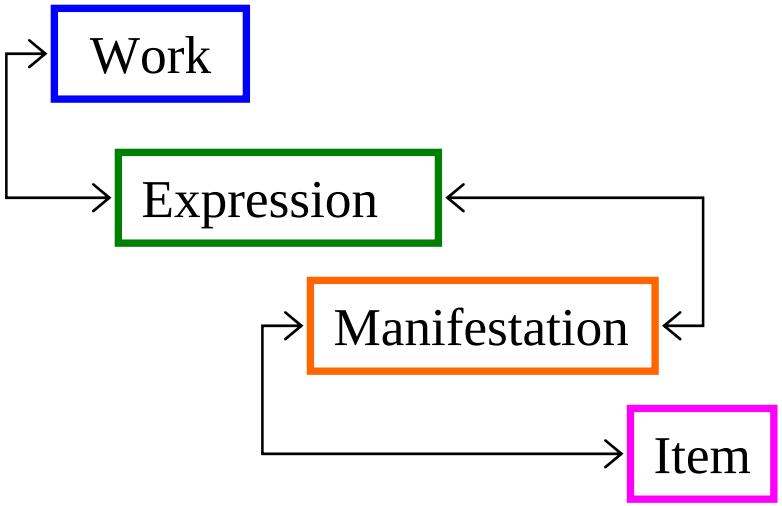
- "Book"
  - Who translated?
    (expression)
  - Who wrote?
    (work)


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

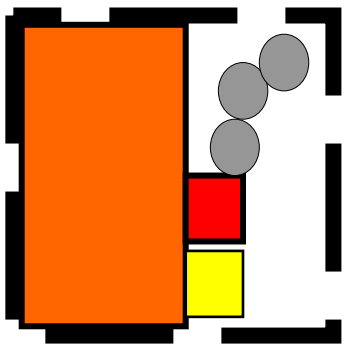
Relationships Inherent to the Group 1 Entities

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

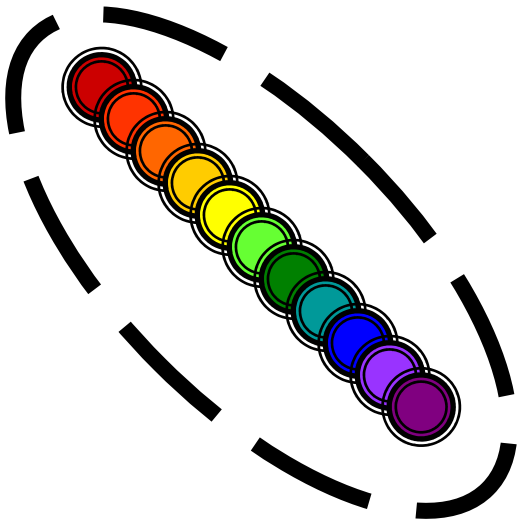
Relationships

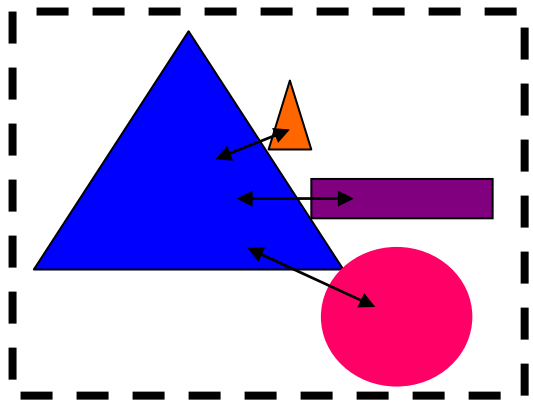


- Inherent among the entities
- Content relationships among works



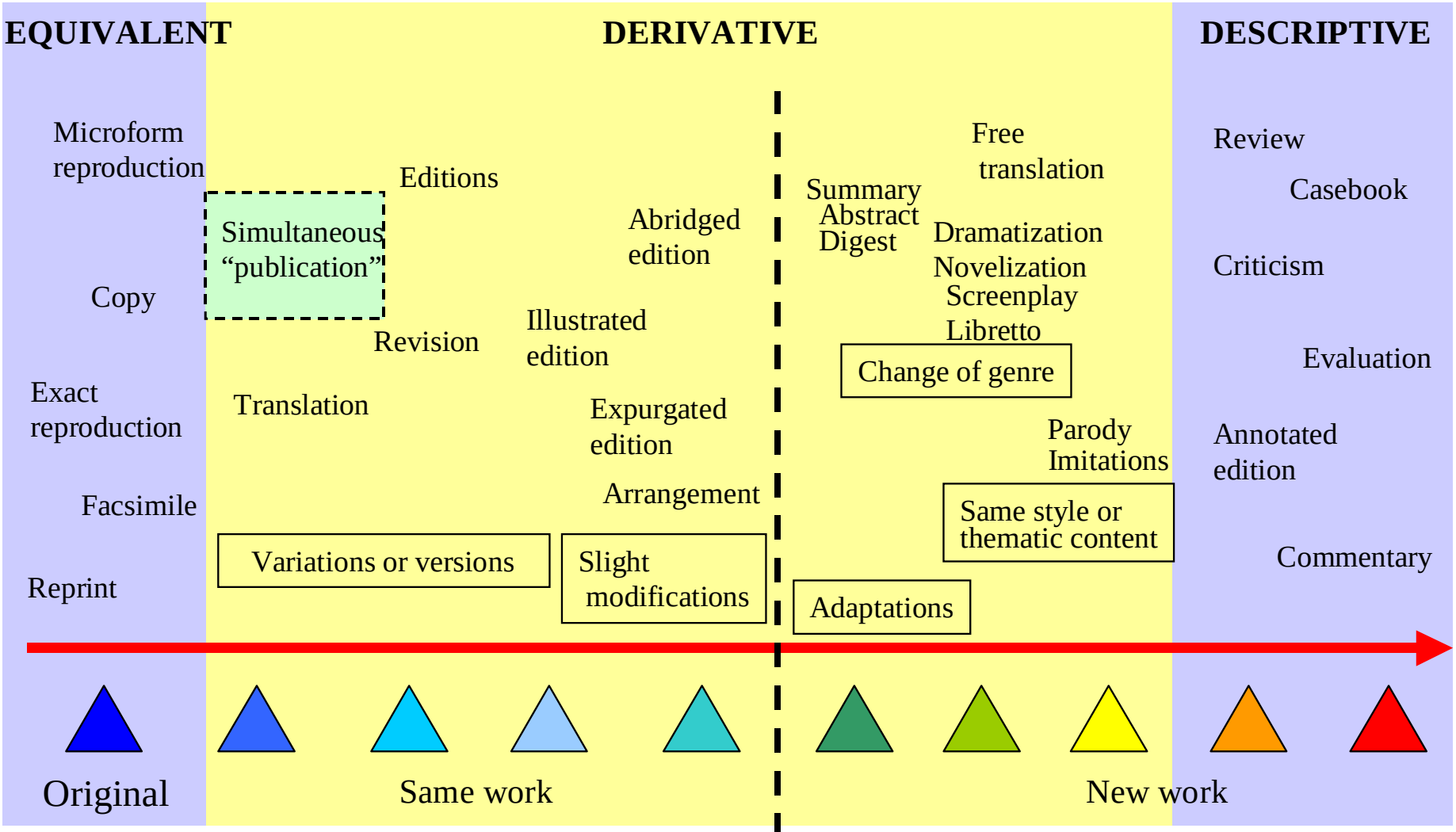
Whole-Part





Accompanying

Family of Works



Same Expression **New Expression** Cataloging Rules cut-off point **New Work**

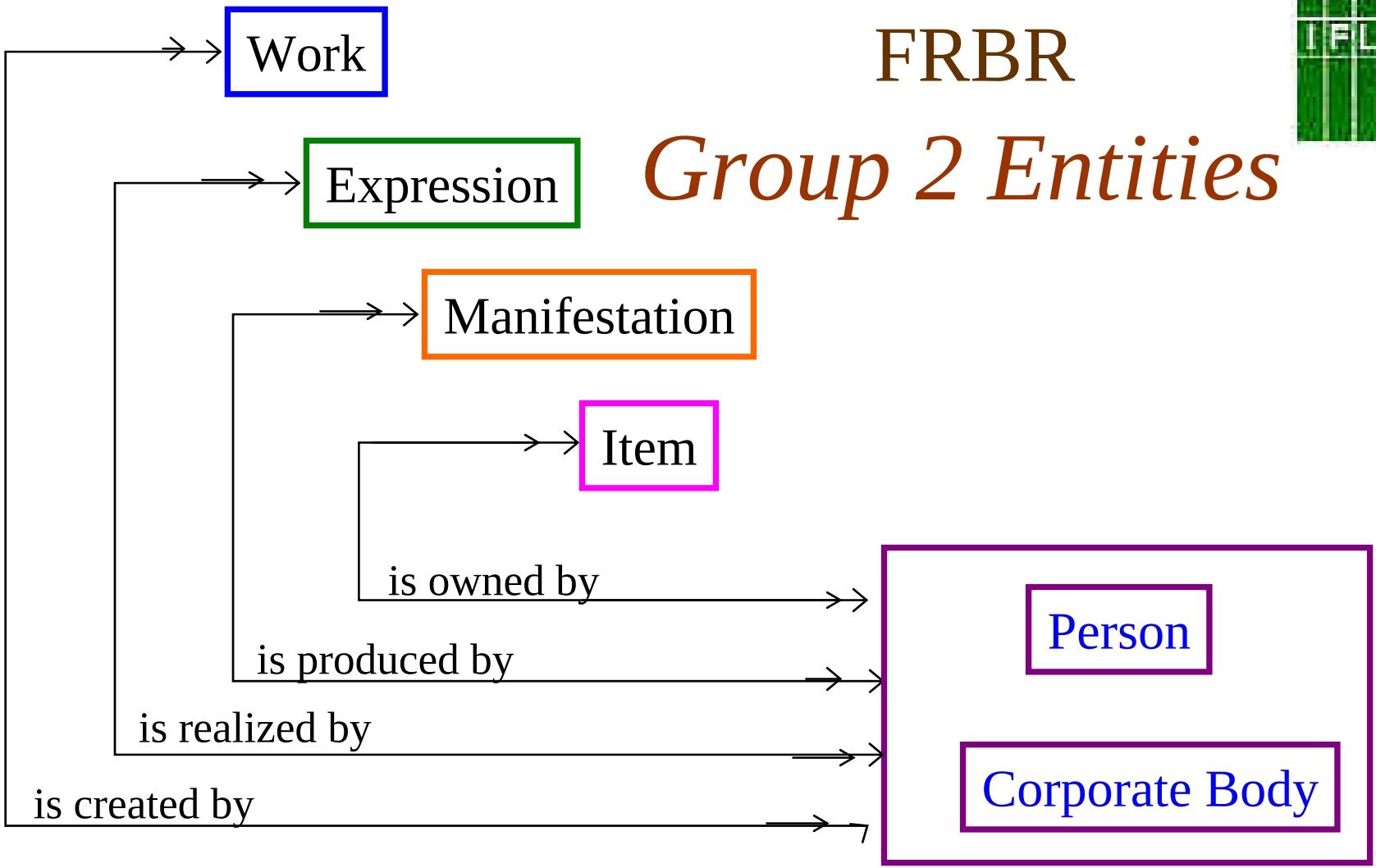
B. Tillett
Dec. 2001

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.**

FRBR

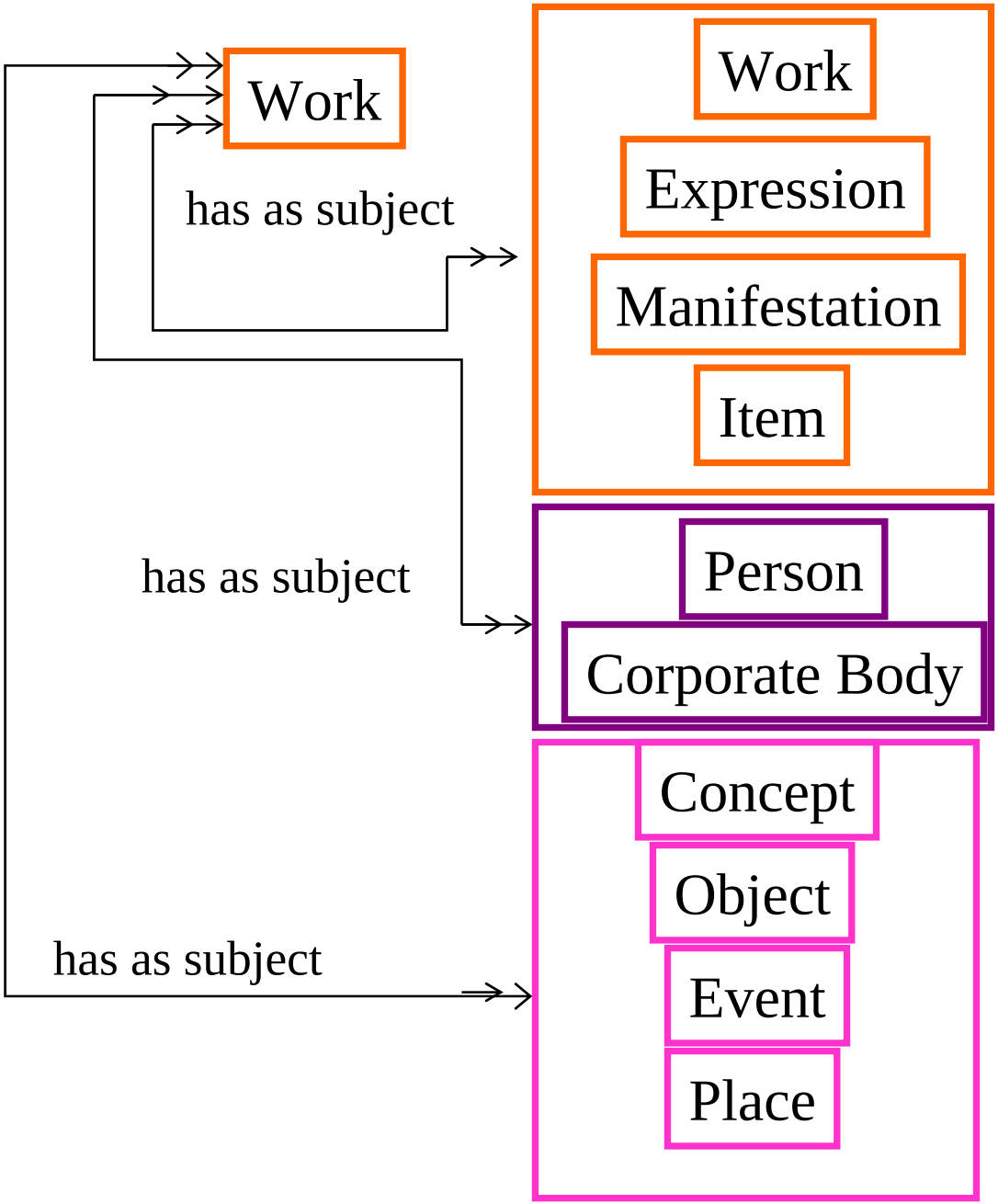
Group 2 Entities



many →→

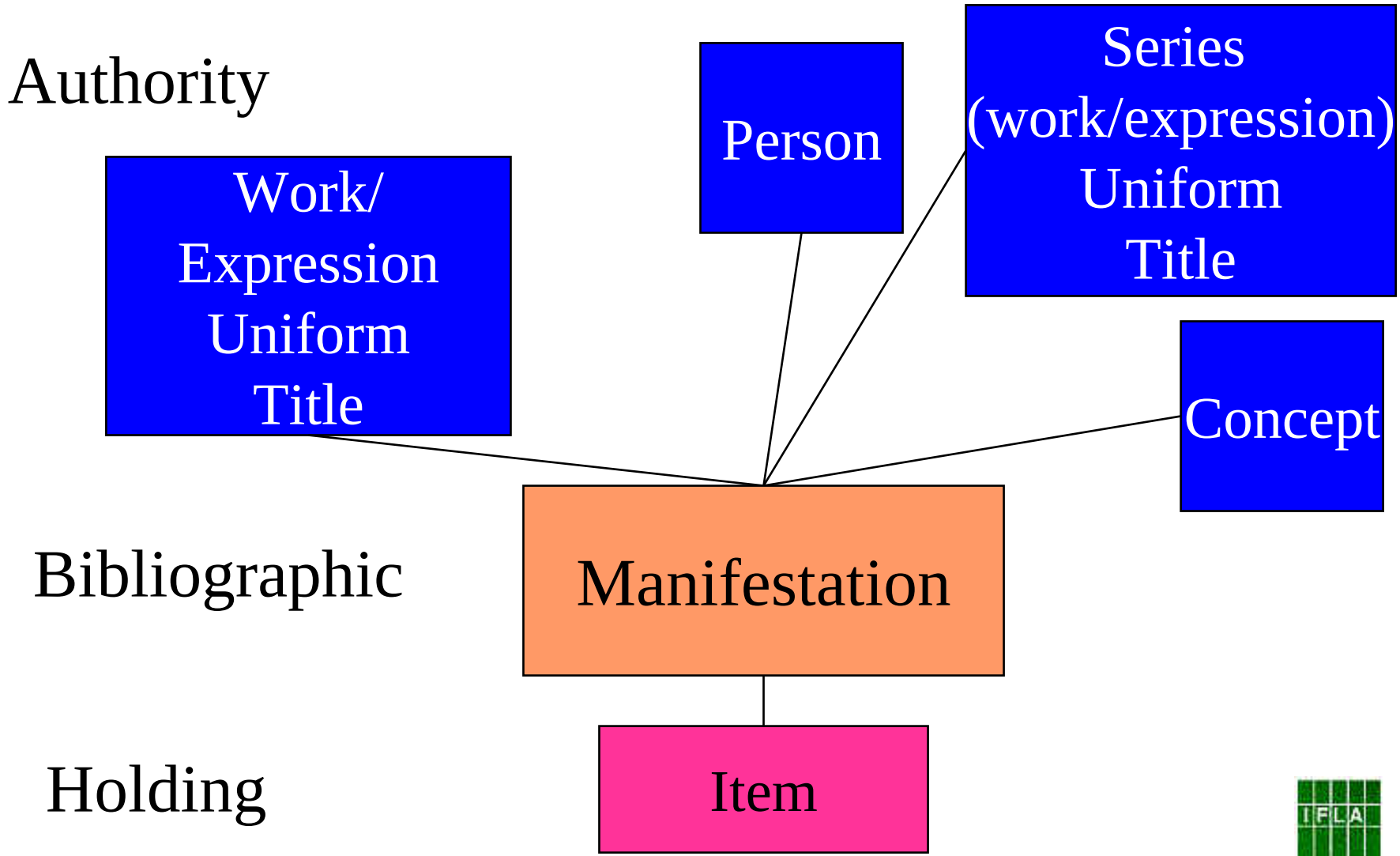
FRBR

Group 3 Subject of Works

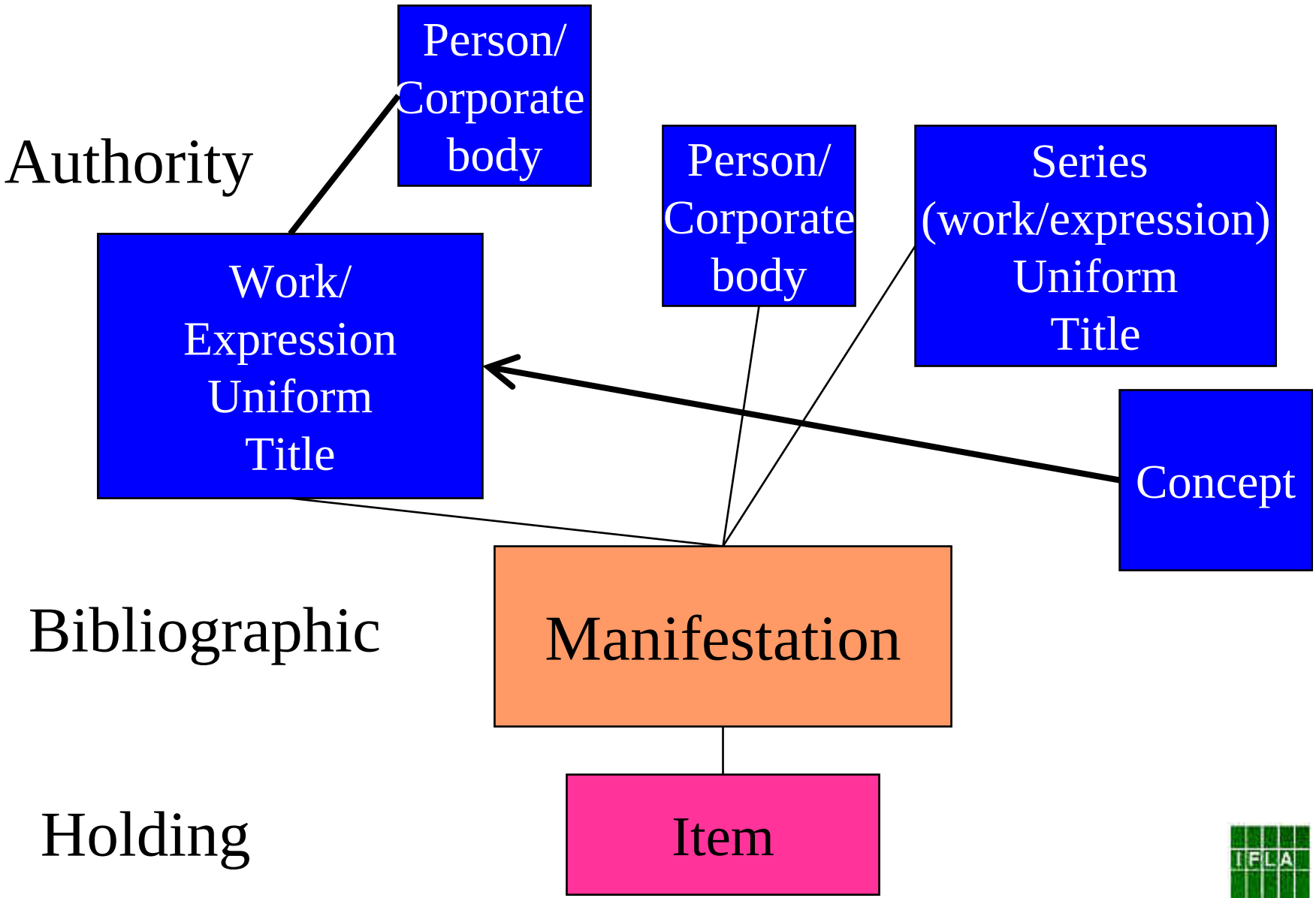


many →→

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.

View Bibliographic Record - Demo 95

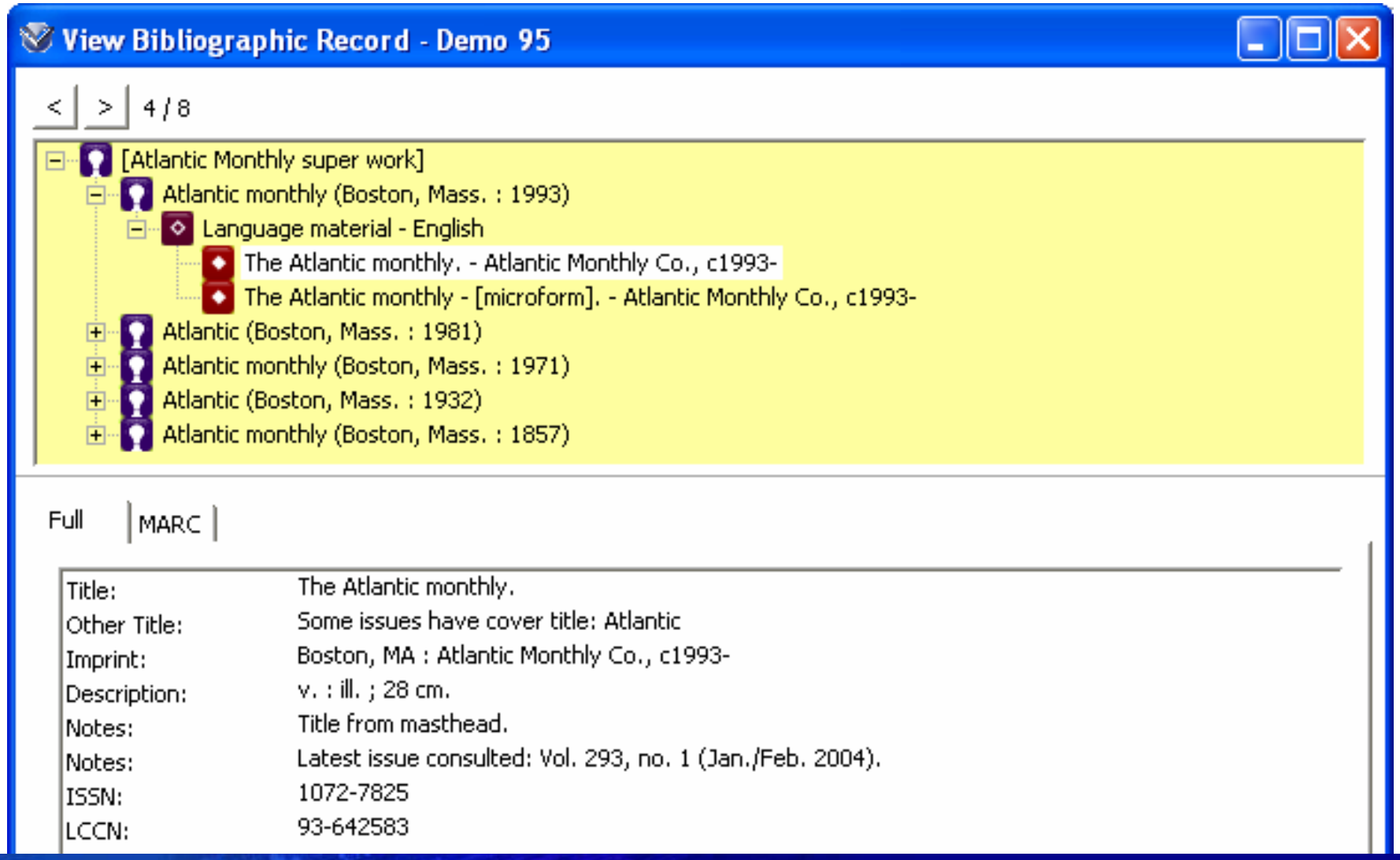
< > 4 / 8

- [Atlantic Monthly super work]
  - Atlantic monthly (Boston, Mass. : 1993)
  - Atlantic (Boston, Mass. : 1981)
  - Atlantic monthly (Boston, Mass. : 1971)
  - Atlantic (Boston, Mass. : 1932)
  - Atlantic monthly (Boston, Mass. : 1857)

Full | MARC

Uniform Title:	[Atlantic Monthly super work]
Notes:	A virtual record for the "family" of works for Atlantic Monthly

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



uriouser - Microsoft Internet Explorer provided by OCLC, Inc.

Edit View Favorites Tools Help Links

http://levan-r:8080/Curiouser/index.jsp?language="English"&oclcNum=50028252

uriouser

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

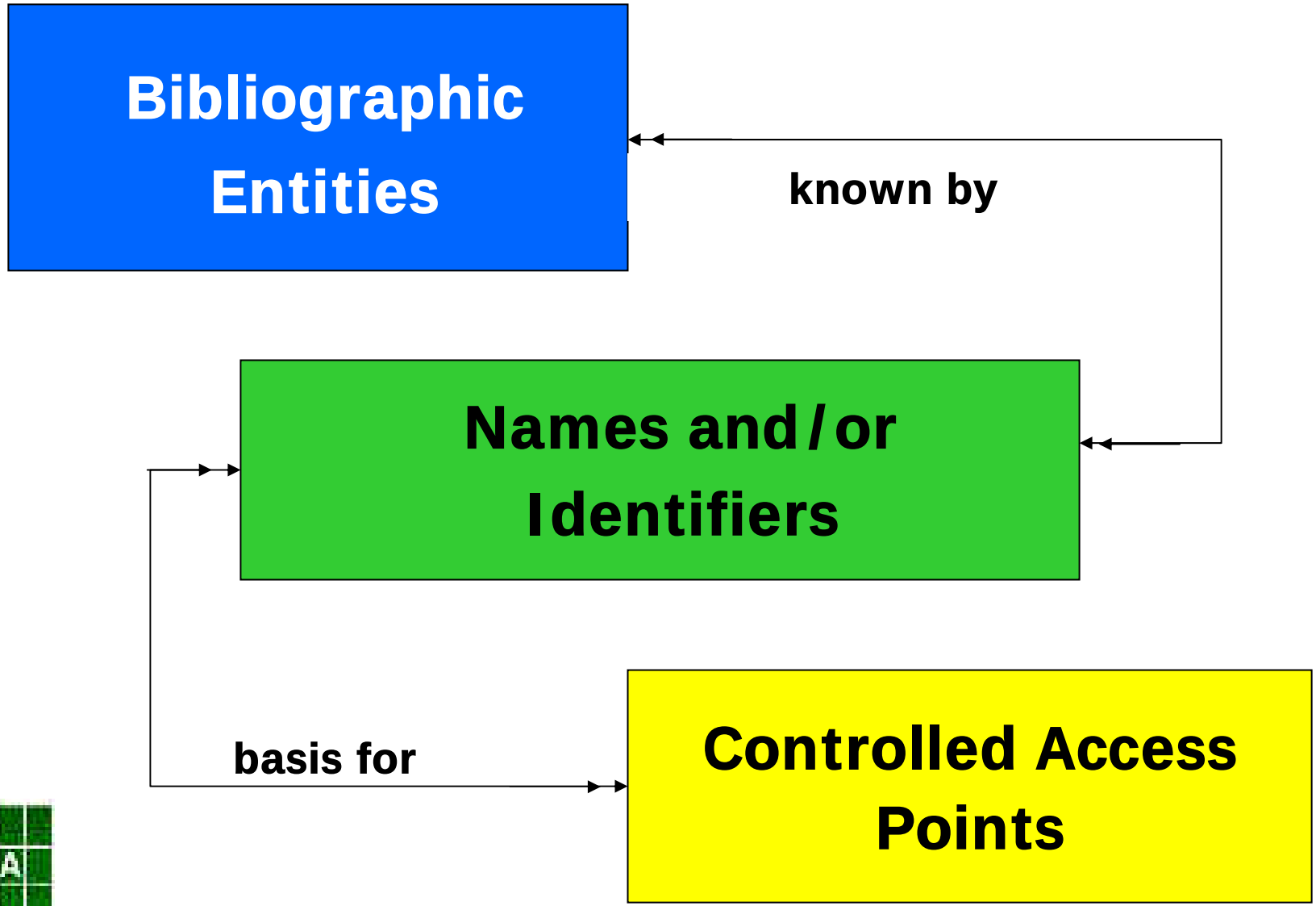
Subjects
Children
Compact discs
Critical thinking
Fairy tales
Fantasy
Fantasy drama, English
Fantasy fiction
Fantasy fiction, English
Good and evil
Hawaiian language
Imaginary places
Imaginary places in literature

FRAD

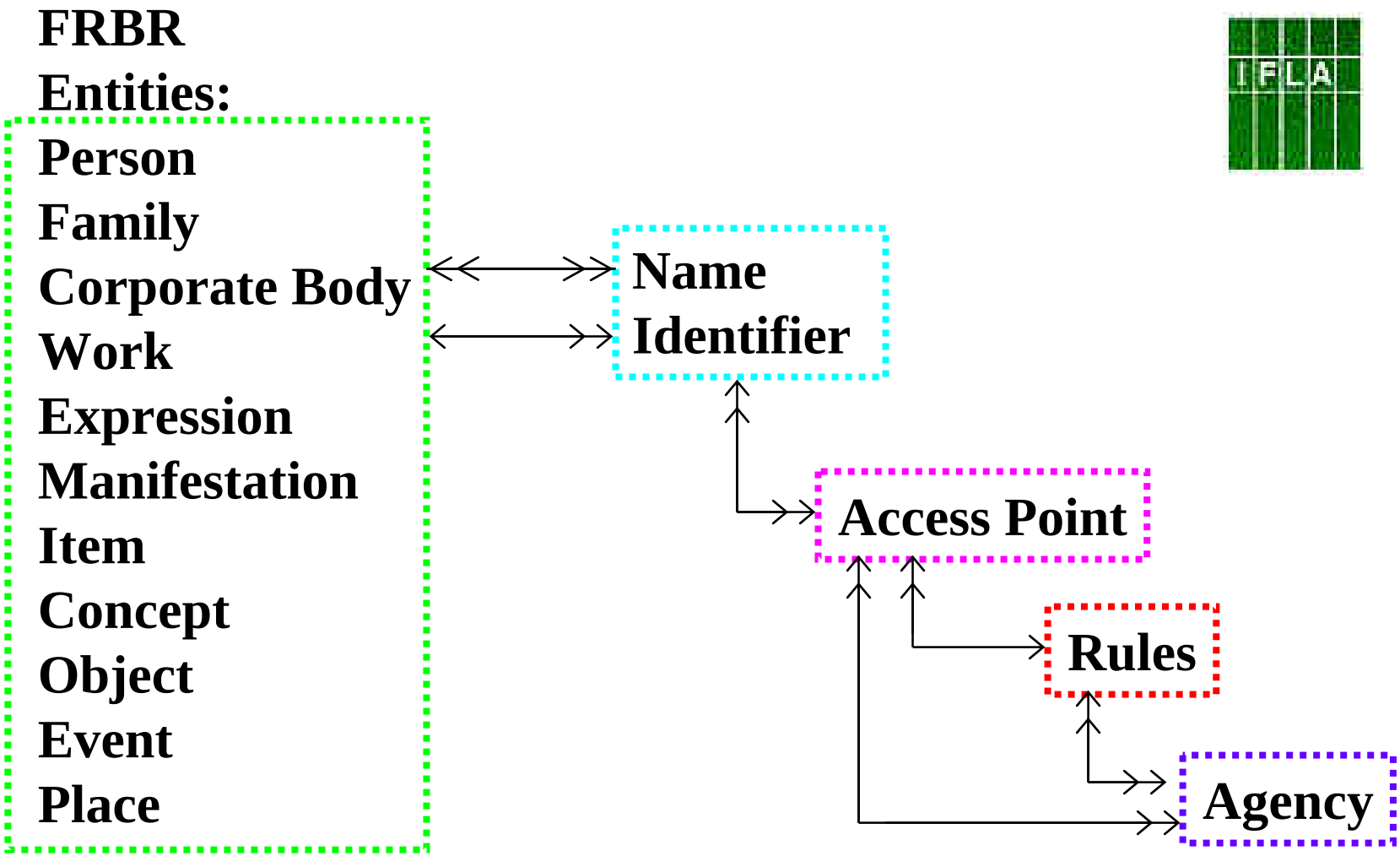
- Functional Requirements for Authority Data

- Extension of the FRBR model to authority control

FRAD

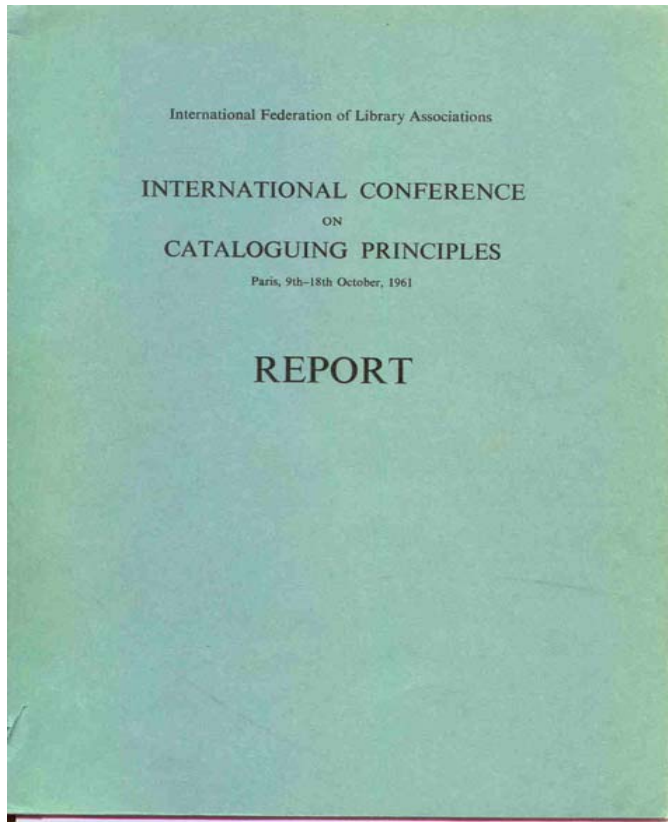

Bibliographic Entities
known by
Names and/or Identifiers
basis for
Controlled Access Points

FRAD extension to FRBR



Cataloguing Principles

- 1961 – IFLA's "Paris Principles"


International Federation of Library Associations

INTERNATIONAL CONFERENCE
ON
CATALOGUING PRINCIPLES
Paris, 9th–18th October, 1961

REPORT

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 (2003)

http://www.d-nb.de/standardisierung/afs/imeicc_index.htm

- IME ICC2 – Latin America-Caribbean (2004)

http://www.loc.gov/imeicc2

- IME ICC3 – Middle East (2005)

http://www.loc.gov/loc/ifla/imeicc/

- IME ICC4 – Asia (2006)

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.)

Implementation scenarios

- Potential implementations of *RDA*:

http://www.collectionscanada.ca/jsc/working2.html#ed-2

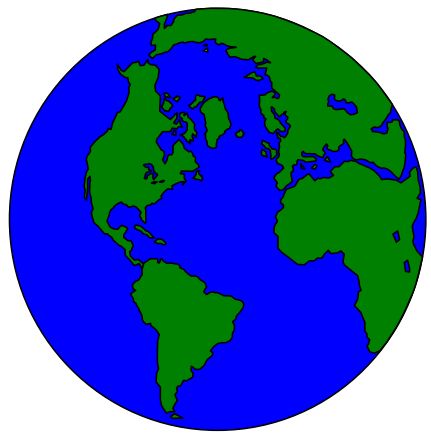
- Relational/object-oriented database structure (Goal)
- Linked bibliographic and authority records
- “Flat file” database structure (no links)

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"
- Designed to be used in all language communities
- Intend to remove English-bias



Content vs. display

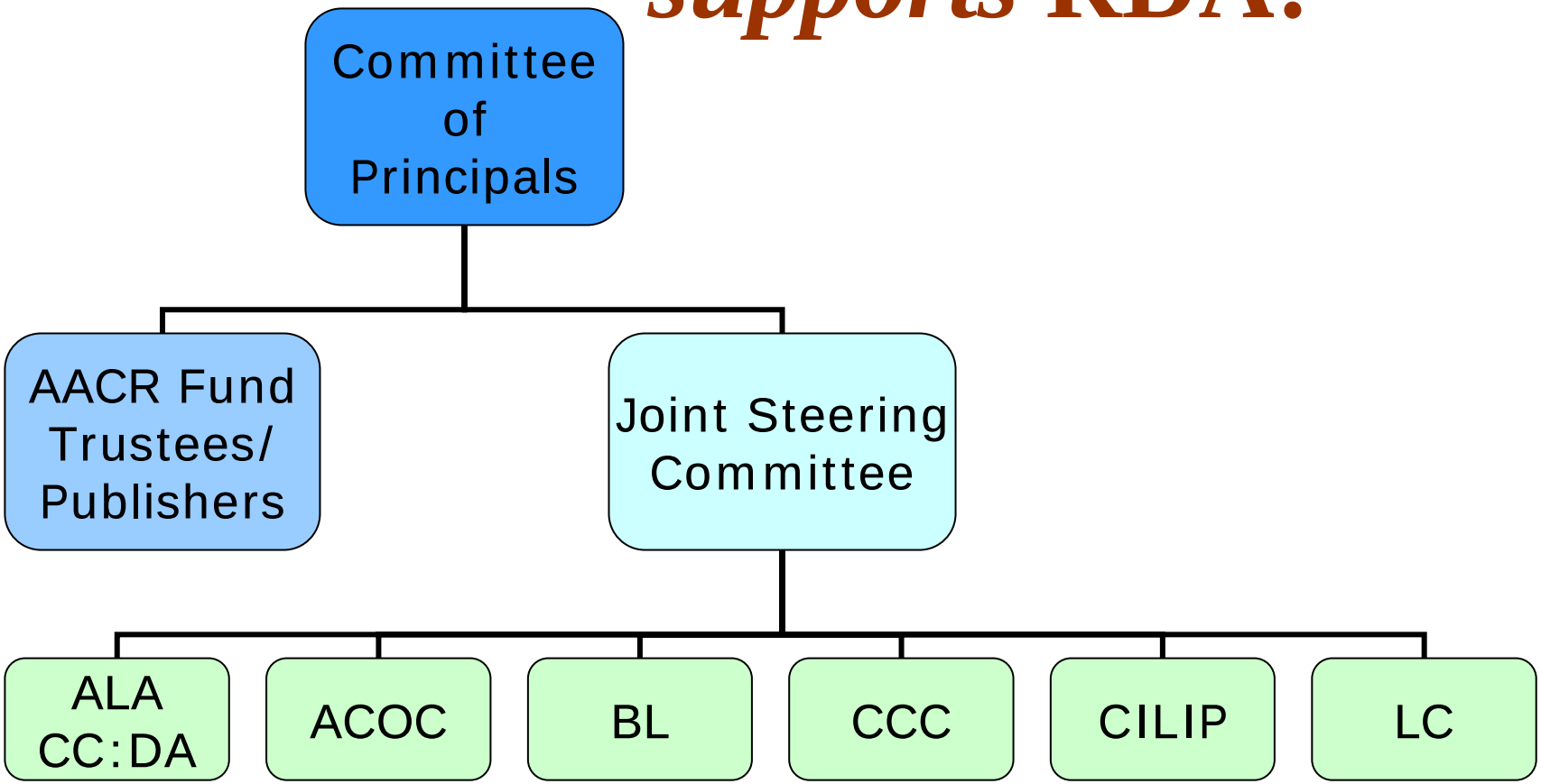
- RDA will be a **content standard** --not a display or encoding standard
  - Independent of the encoding ***communication format*** (e.g., MARC 21, MODS, Dublin Core)
  - Independent of ***display format*** (e.g., OPAC labels, ISBD)
    - International Standard Bibliographic Description (ISBD) display 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 *Oct. 2007 Structure*

- General introduction
- Attributes
- Relationships
- Appendices
  - Capitalization, Abbreviations, Initial articles
  - Presentation (ISBD display, etc.)
  - Controlled lists
- Glossary
- Index

Attributes

Work and Expression

- Content description - FRBR **"Select"**

Manifestation and Item

- Resource identification - FRBR **"Identify"**
- Carrier description - FRBR **"Select"**
- Acquisition and access information - FRBR **"Obtain"**

Relationships

FRBR "Find"

- Persons, Families, Corporate Bodies Associated with a Resource
  - Relationships between FRBR Group 1 and Group 2 entities and among Group 2 entities
- Related Resources
  - Inherent and Content Relationships among FRBR Group 1 entities: Works, Expressions, Manifestations, Items

Controlled forms of names of entities

FRBR **"Find"**

General Guidelines

- Persons
- Families
- Corporate Bodies
- Places
- Works, Expressions, Manifestations, and Items
  - Additional instructions: Musical, legal, and religious works

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
- To be more comprehensive, etc.:
  - File characteristics for digital materials
  - Video format characteristics
  - Custodial information for archival resources
  - Braille characteristics
  - URLs
  - Entity identifiers (person, corporate body, work)
  - Language of the person, etc.

How many elements?

- Elements and sub-elements
  - Similarities across all types of resources
  - “Required” or “optional”

- Required mandatory data elements

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.

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

- Dec. 2007-Mar. 2008: “Access Point Control”
- July-Sept. 2008: Complete draft of *RDA*
- August 2008: Web RDA Prototype demo at IFLA?
- 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*

- Early prototype: ALA Midwinter, January, 2008

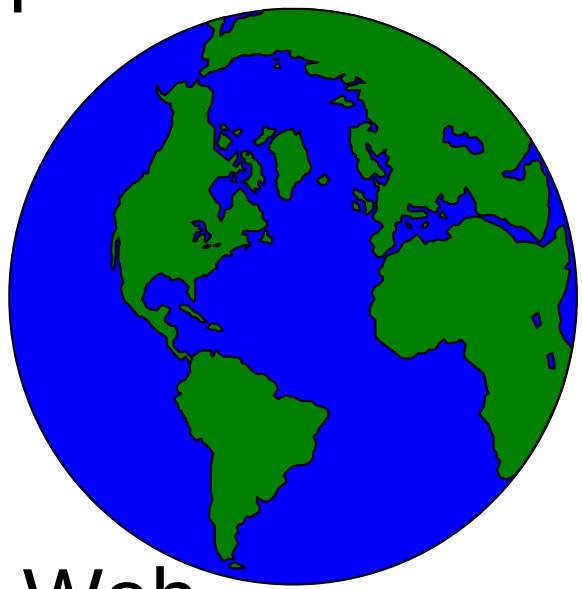
- Beta prototype: IFLA, August 2008

Training for RDA

- Catalogers ***will*** need some training in RDA
  - Orientation and background on the underlying conceptual models and principles
  - Training on rules that have changed between AACR2 and RDA
- 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
  - 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