

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

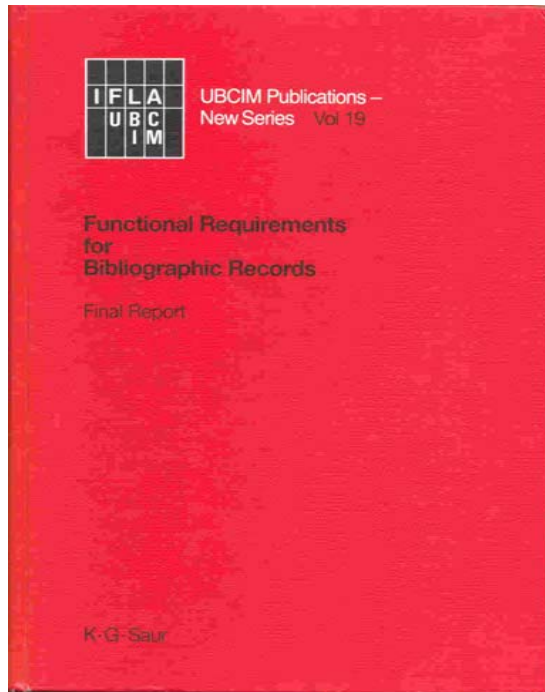
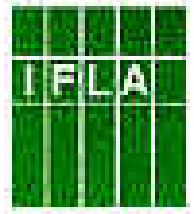
Biblioteca Nacional, Buenos Aires. Argentina

Barbara B. Tillett, Library of Congress

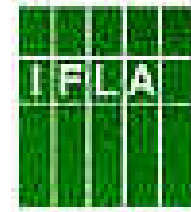
Topics today

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

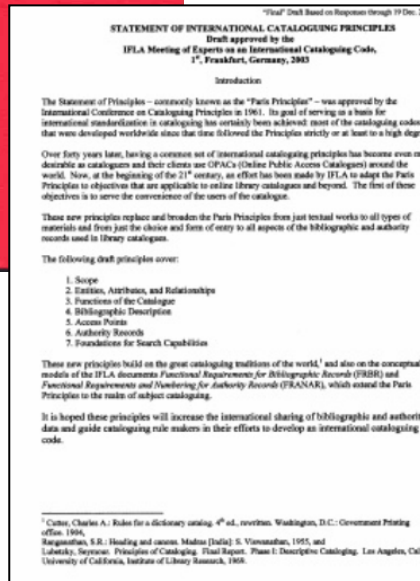
What is FRBR?



- 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



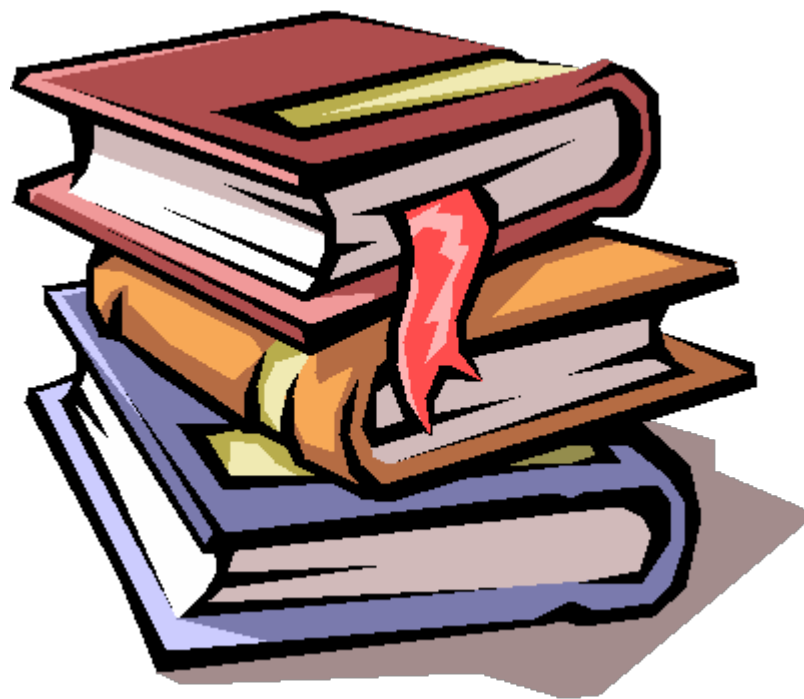
Other International Developments



- 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



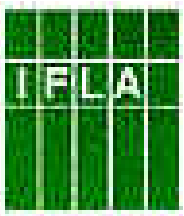
- “Book”
 - Door prop
(item)
 - “publication”
at bookstore
any copy
(manifestation)



Vocabulary

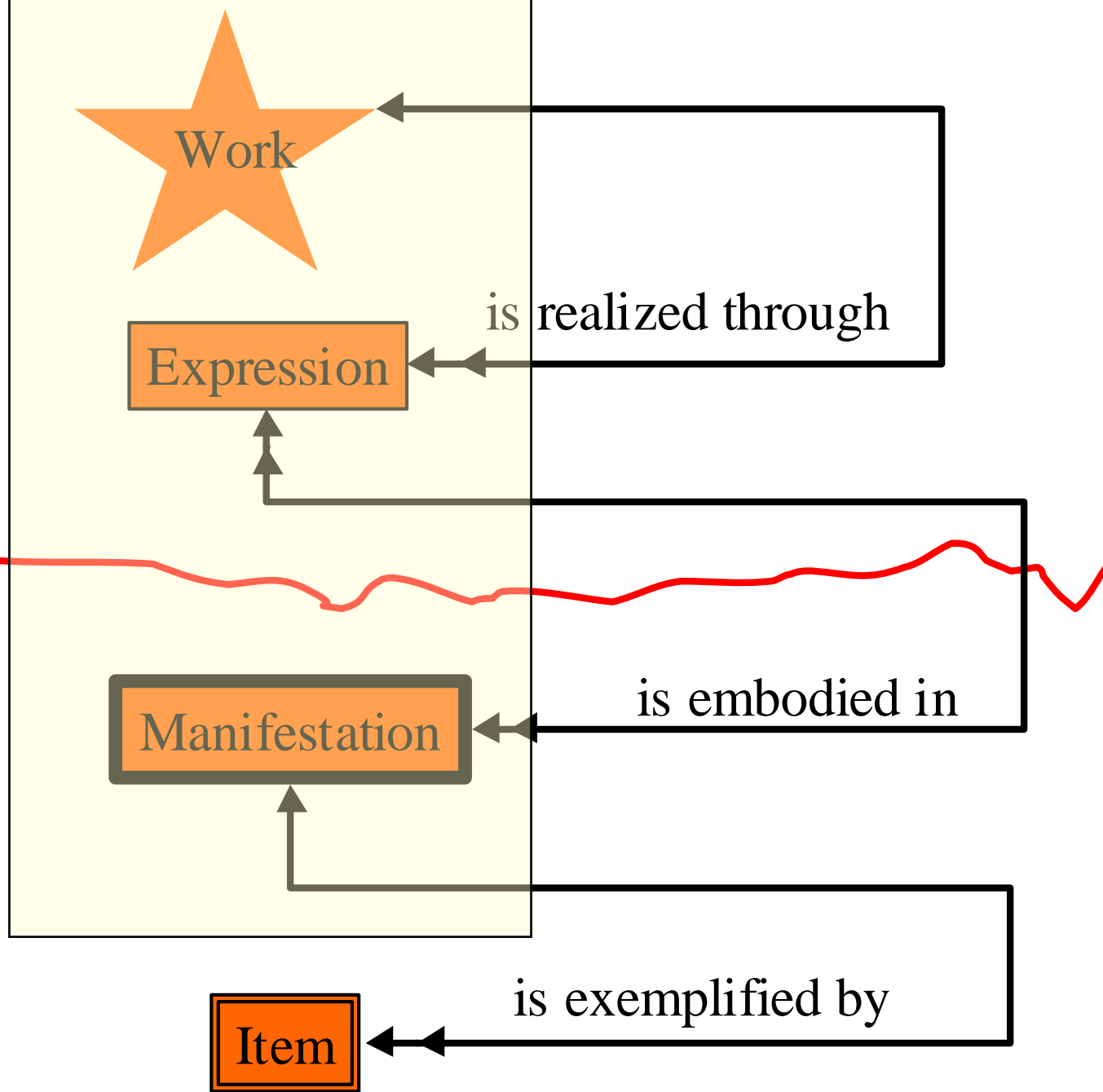


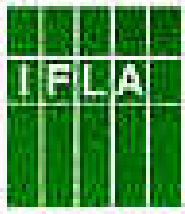
- “Book”
 - Who translated?
(expression)
 - Who wrote?
(work)



Intellectual/
artistic content

Physical -
recording of
content



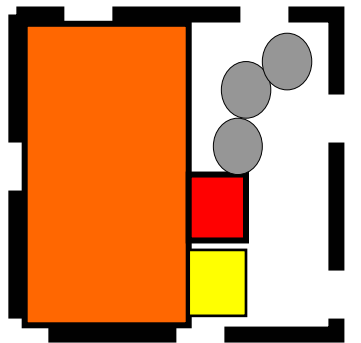
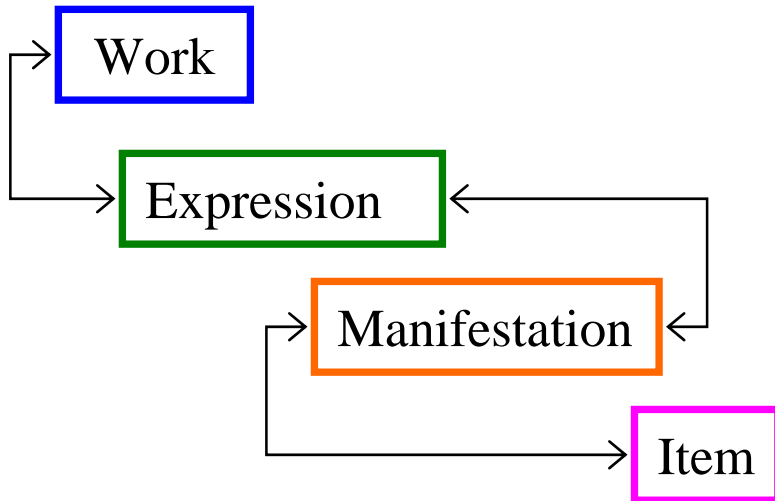


Relationships Inherent to the Group 1 Entities

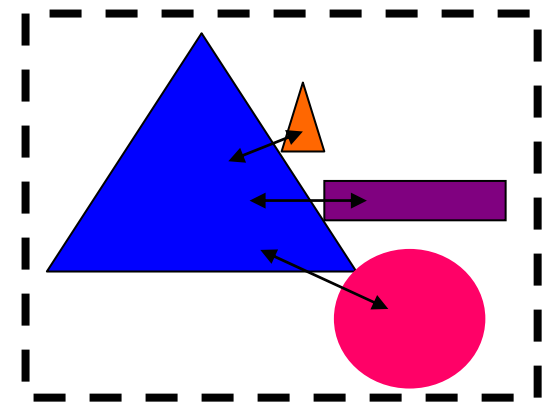
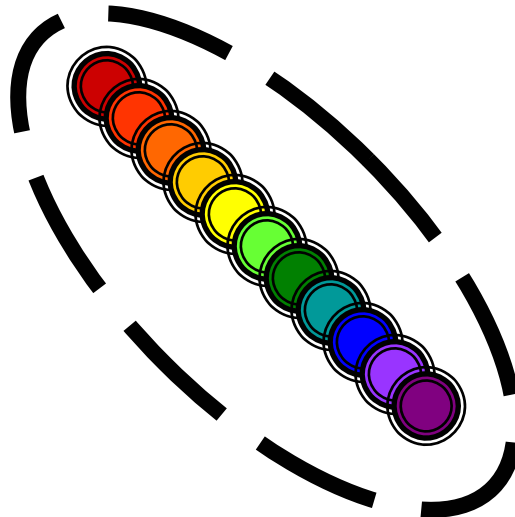
- **Work** *“is realized by” an expression*
 - **Expression** *“is embodied in” a manifestation*
 - **Manifestation** *“is exemplified by” an item*
 - **Item**

Relationships

- Inherent among the entities
- Content relationships among works

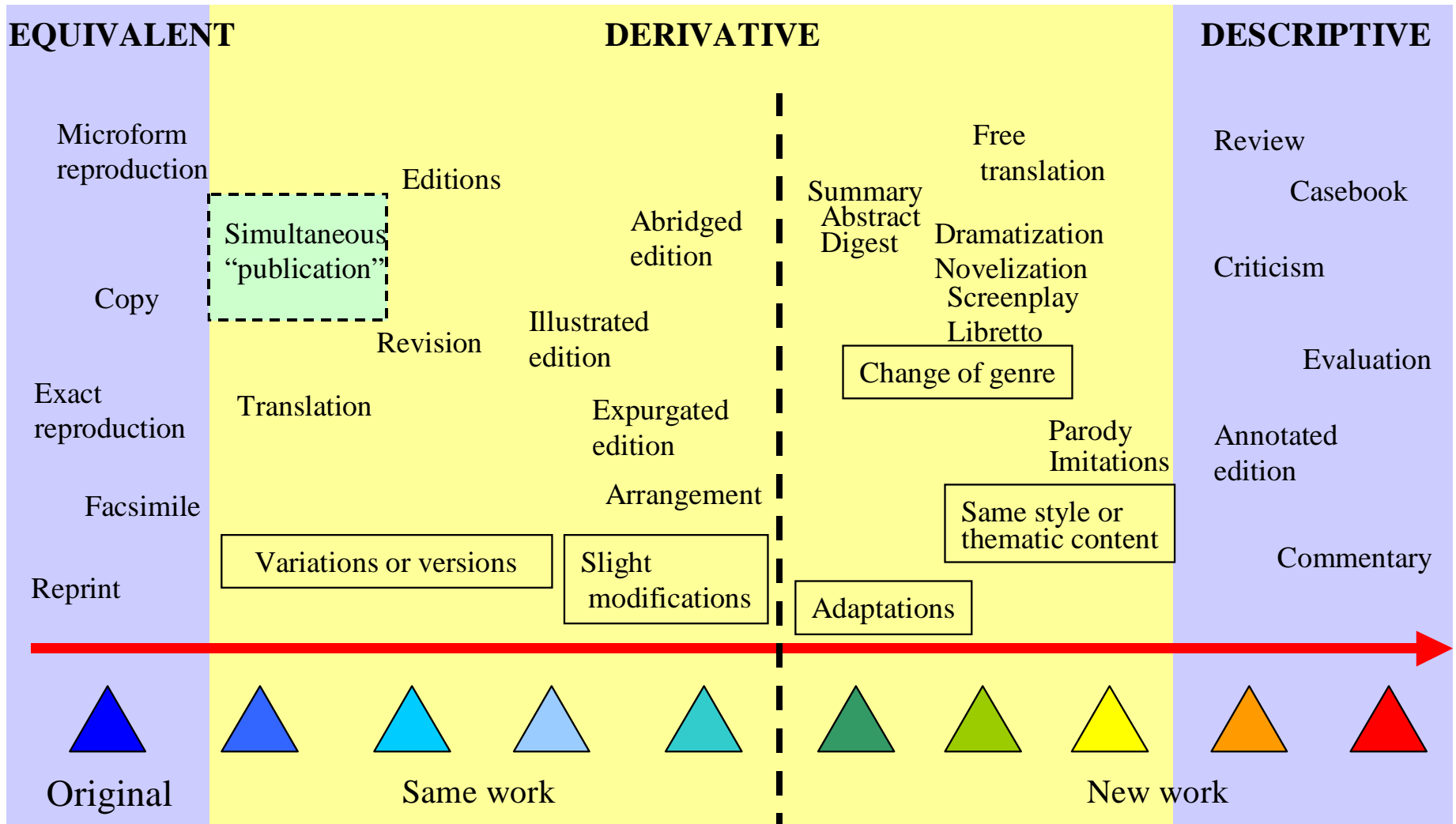


Whole-Part



Accompanying

Family of Works



Same Expression

New Expression

Cataloging Rules cut-off point

New Work

Group 1 Entities' Attributes

■ **Work**

- ID
- Title
- Date
- etc.

■ **Expression**

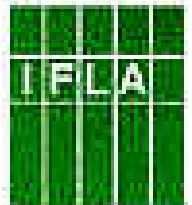
- ID
- Title
- Form
- Date
- Language
- etc.

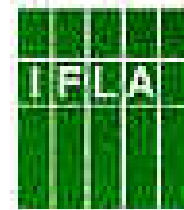
■ **Manifestation**

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

■ **Item**

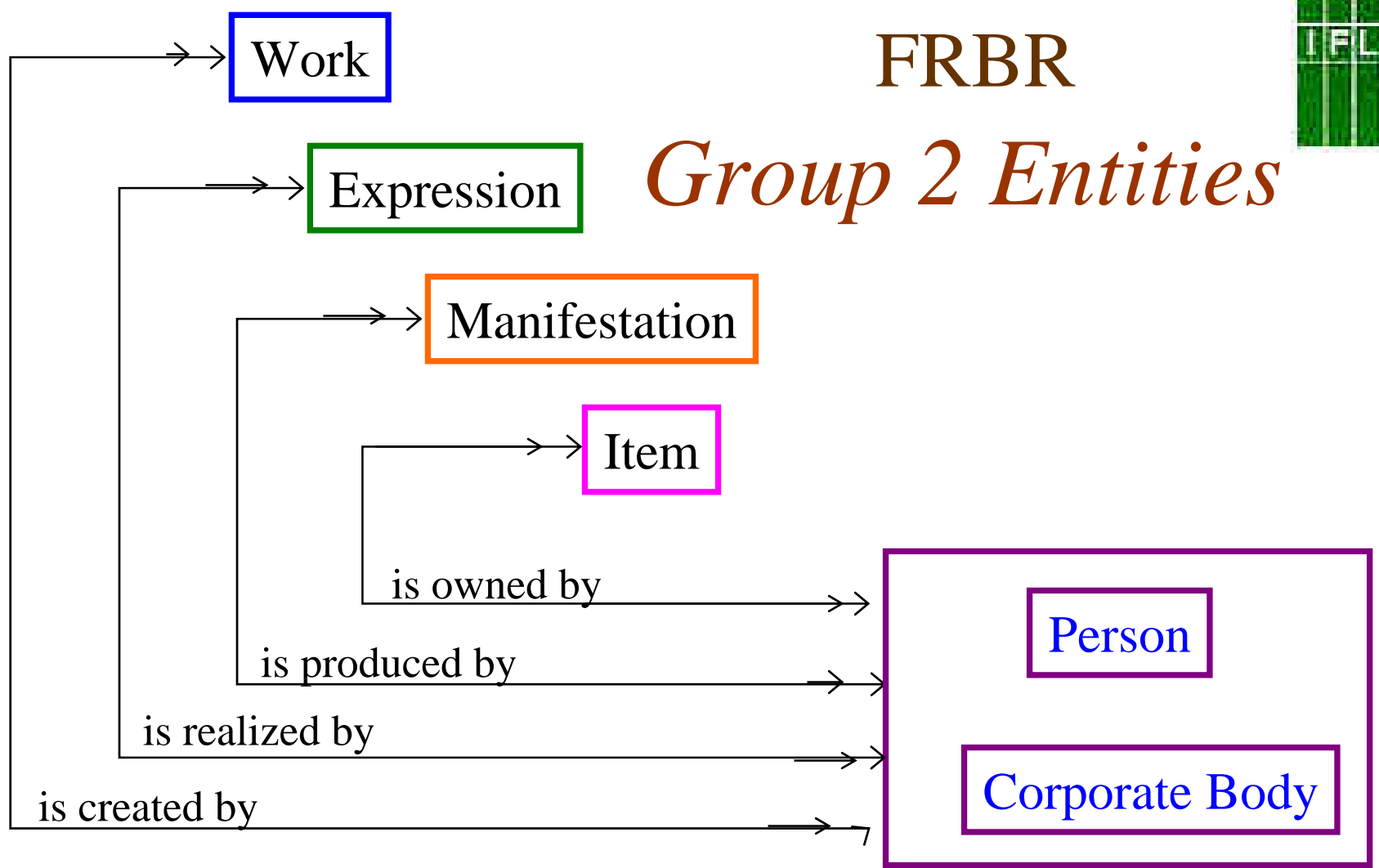
- ID
- Provenance
- Location
- etc.



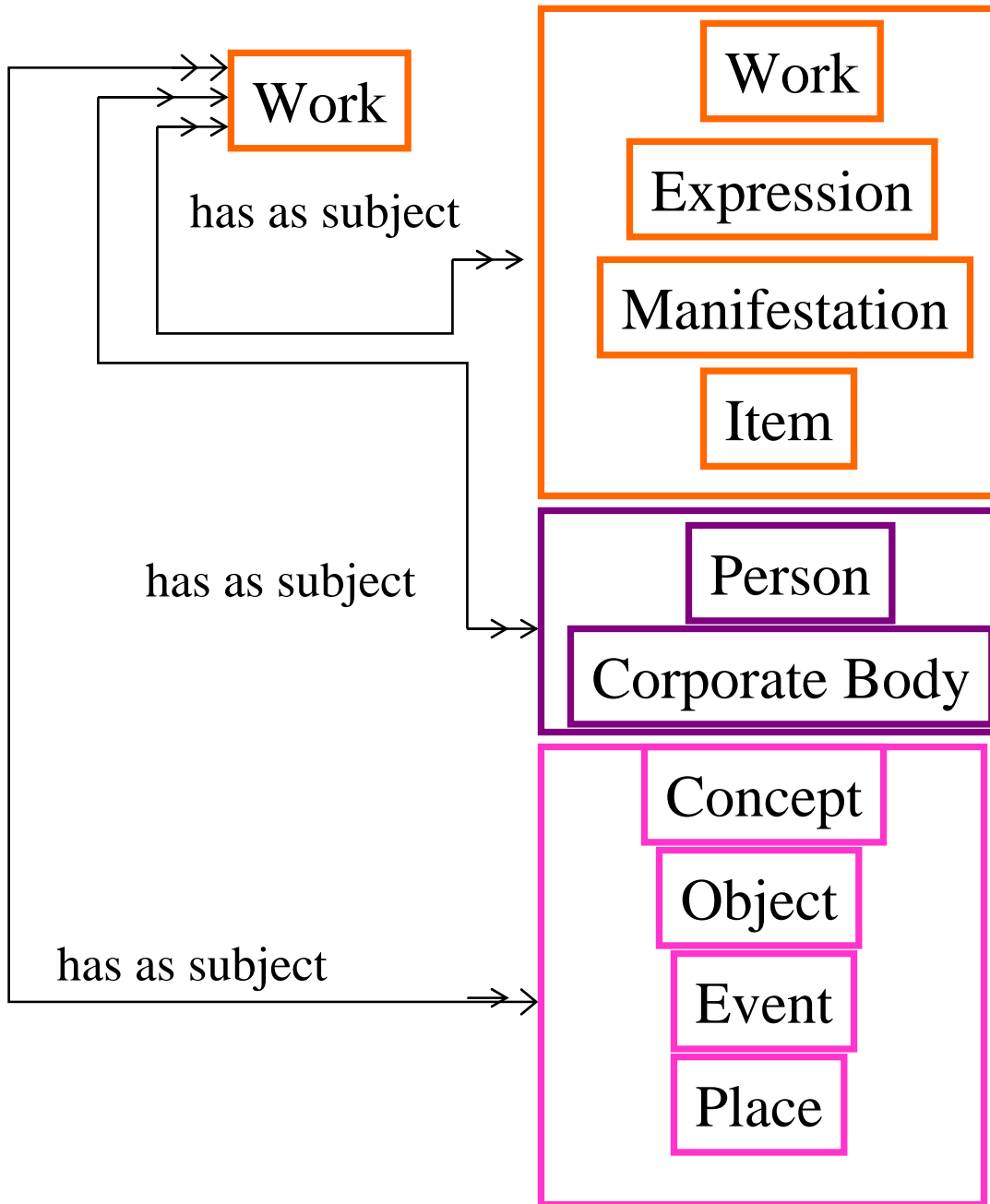


FRBR

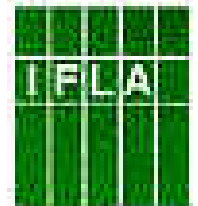
Group 2 Entities



many →→



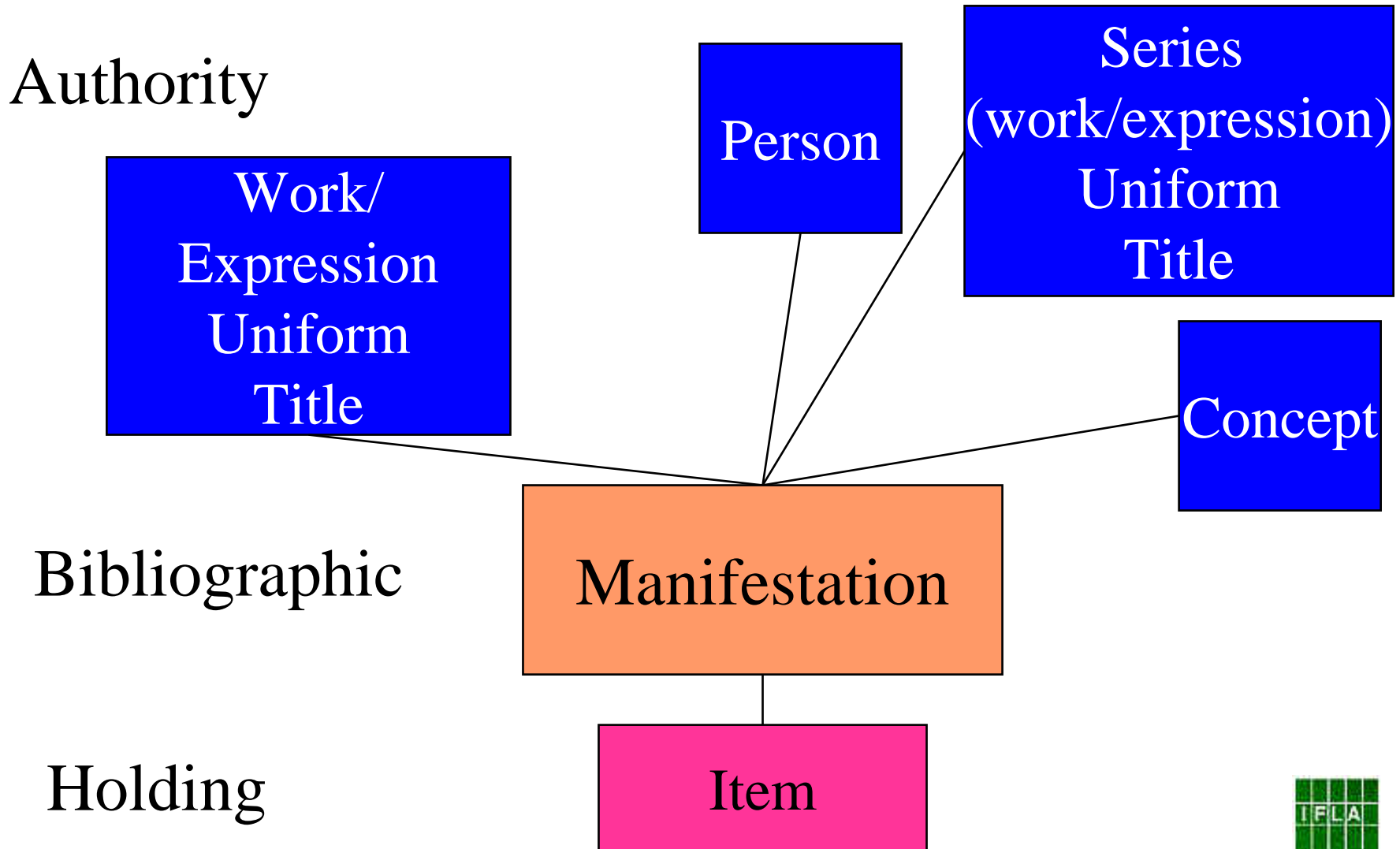
FRBR
Group 3
Subject of
Works



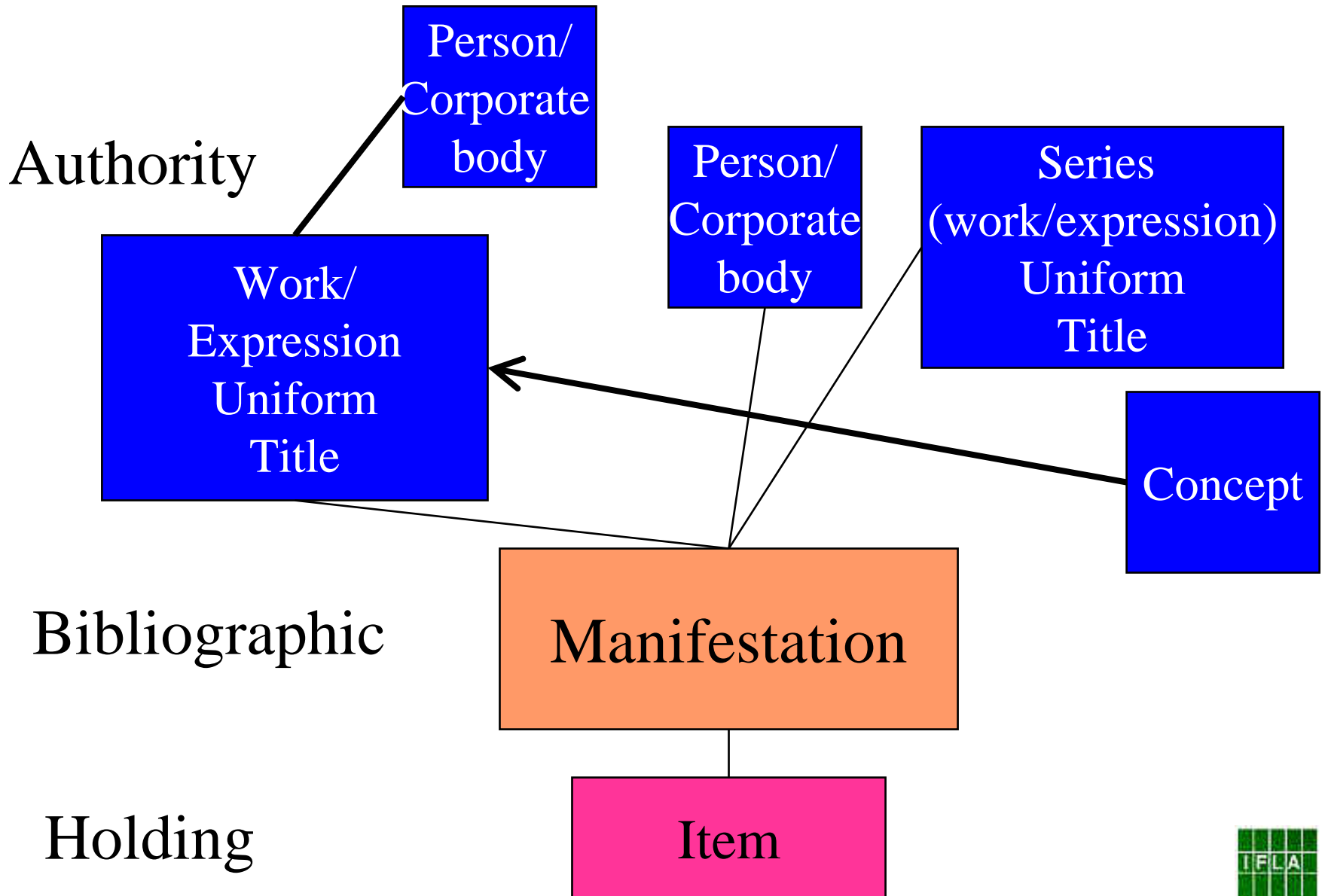
many →→

Possible FRBR applications

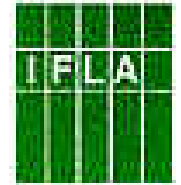
Scenario A - Now



Scenario B

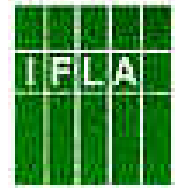


FRBR Benefits



- 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

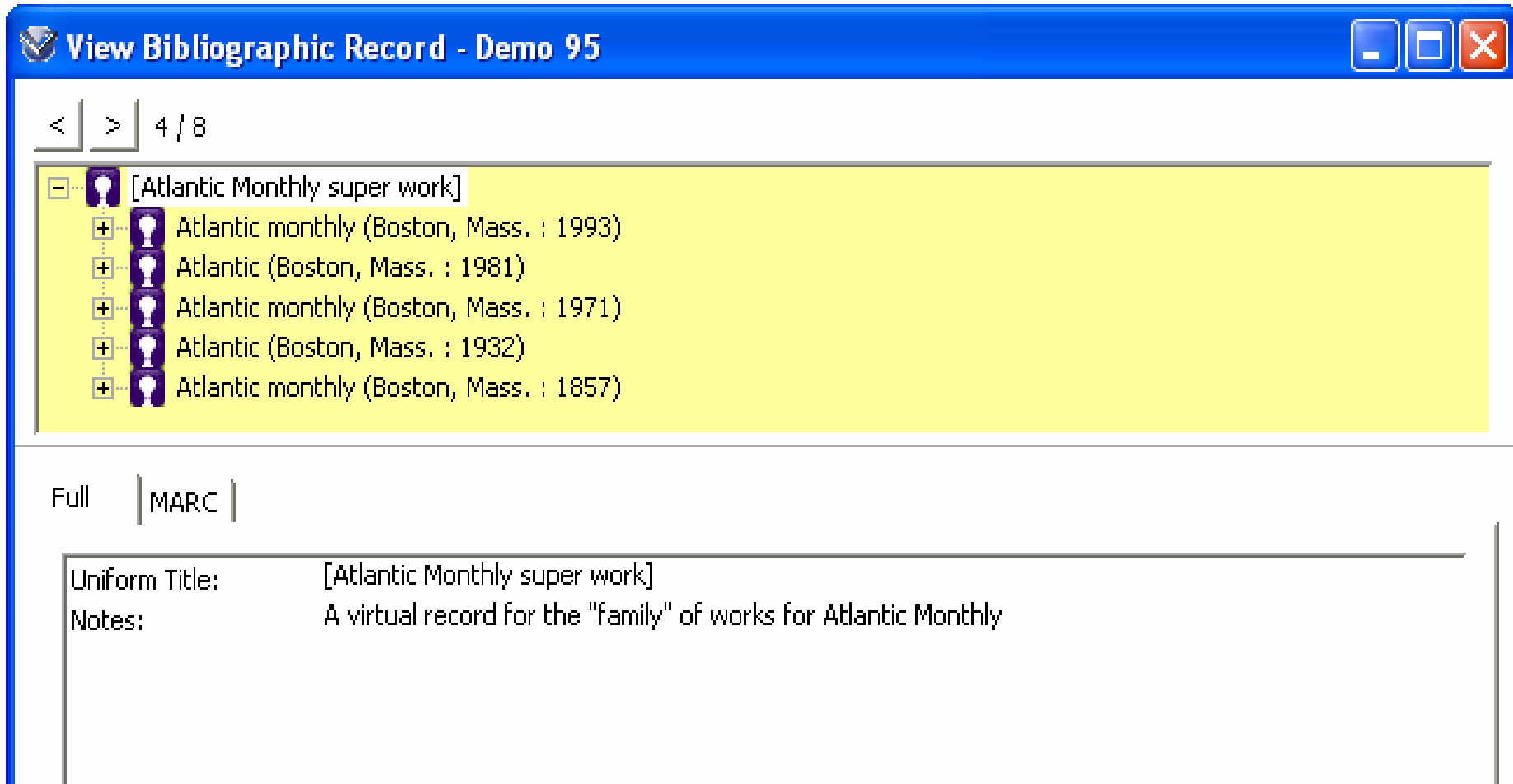
FRBR Benefits



- 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.



The screenshot shows a window titled "View Bibliographic Record - Demo 95". At the top, there are navigation buttons for back, forward, and page number (4/8). Below this is a tree view showing a hierarchy of works:

- [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)

Below the tree view, there are two tabs: "Full" and "MARC". The "Full" tab is selected. The main content area displays the following information:

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.

The screenshot shows a web browser window titled "View Bibliographic Record - Demo 95". The interface includes a navigation bar with "<" and ">" symbols and a page indicator "4 / 8". Below this is a tree view of the record's structure:

- [Atlantic Monthly super work]
 - Atlantic monthly (Boston, Mass. : 1993)
 - Language material - English
 - The Atlantic monthly. - Atlantic Monthly Co., c1993-
 - The Atlantic monthly - [microform]. - Atlantic Monthly Co., c1993-
 - Atlantic (Boston, Mass. : 1981)
 - Atlantic monthly (Boston, Mass. : 1971)
 - Atlantic (Boston, Mass. : 1932)
 - Atlantic monthly (Boston, Mass. : 1857)

Below the tree view, there are two tabs: "Full" and "MARC". The "Full" tab is selected, displaying the following bibliographic data:

Title:	The Atlantic monthly.
Other Title:	Some issues have cover title: Atlantic
Imprint:	Boston, MA : Atlantic Monthly Co., c1993-
Description:	v. : ill. ; 28 cm.
Notes:	Title from masthead.
Notes:	Latest issue consulted: Vol. 293, no. 1 (Jan./Feb. 2004).
ISSN:	1072-7825
LCCN:	93-642583



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

- [Macmillan \(3307\)](#)
- [HarperCollins \(2917\)](#)
- [Collier \(1613\)](#)
- [HarperTrophy \(896\)](#)
- [Scholastic \(400\)](#)
- [more](#)

Find by Language

[English \(10667\)](#)

Find by Date

- [1950 \(4757\)](#)
- [2000 \(1470\)](#)
- [1994 \(1381\)](#)
- [1978 \(978\)](#)
- [1970 \(640\)](#)
- [more](#)

Find by Type

- [Text \(9395\)](#)
- [Sound \(1216\)](#)
- [braille \(54\)](#)
- [kit \(1\)](#)
- [Image \(1\)](#)

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.

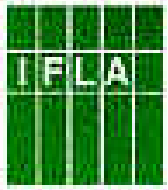


The lion, the witch, and the wardrobe /

Lewis, C. S. C.S. Lewis ; illustrated by Pauline Baynes.
Date: 1994.
Type: text
Held by: 1139

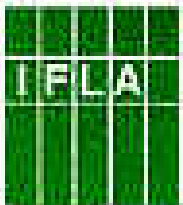
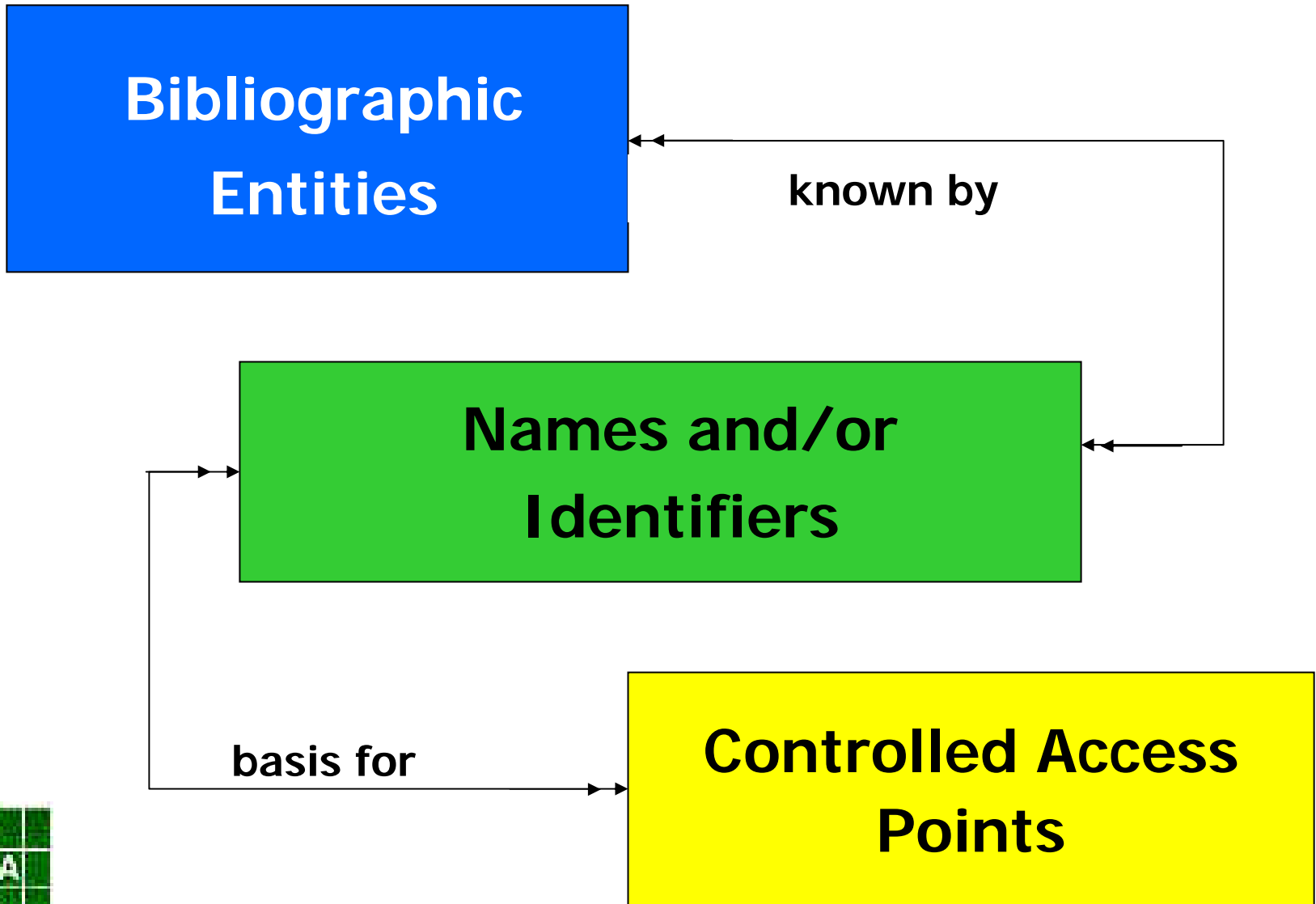
Subjects

- [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](#)

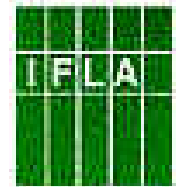


FRAD

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



FRAD extension to FRBR



FRBR

Entities:

Person

Family

Corporate Body

Work

Expression

Manifestation

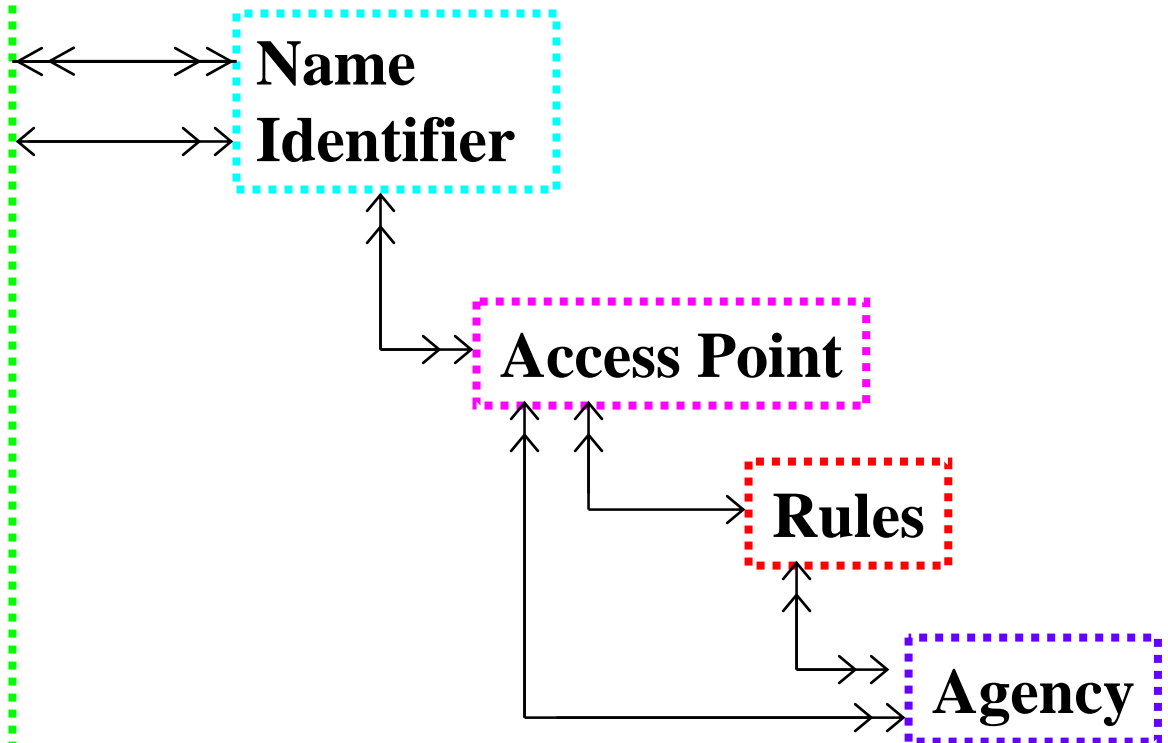
Item

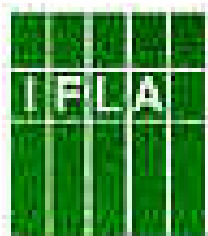
Concept

Object

Event

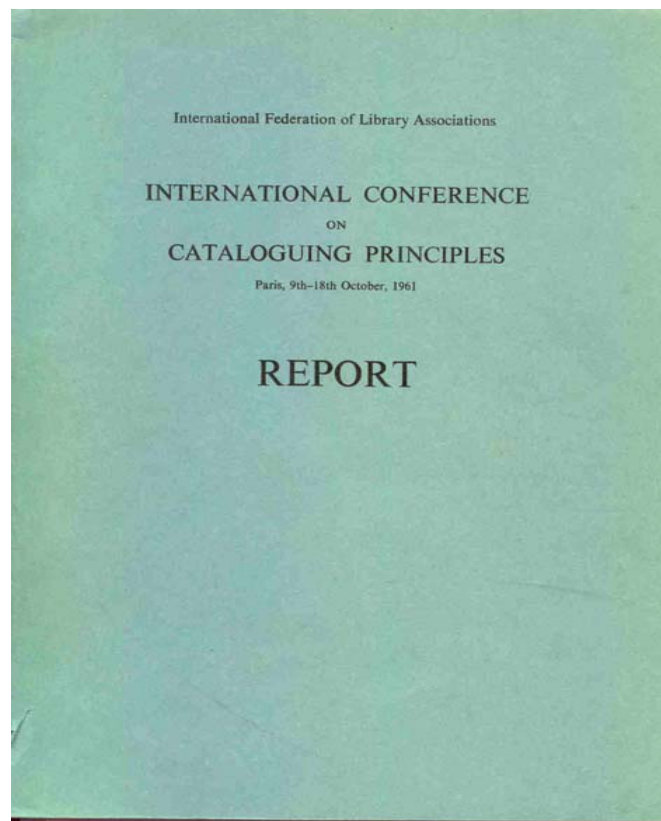
Place





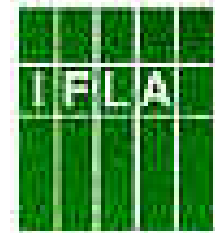
Cataloguing Principles

- 1961 – IFLA’s “Paris Principles”



IME ICC

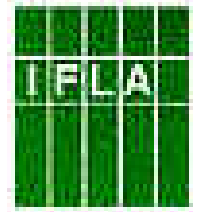
Goals & Objectives



- 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 (2003)

First IFLA Meeting of Experts on an International Cataloguing Code



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)



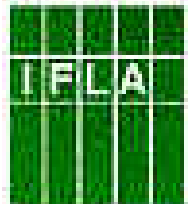
<http://www.nl.go.kr/icc/icc/main.php>



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

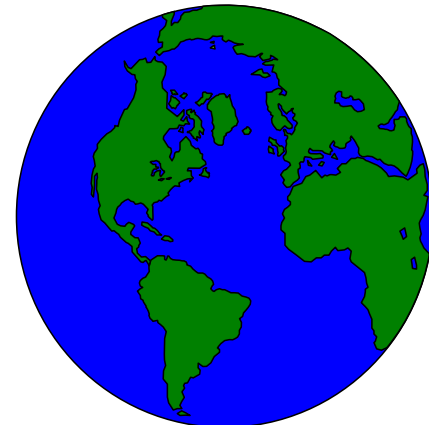
- Potential implementations of *RDA*:
<http://www.collectionscanada.ca/jsc/working2.html#ed-2>
- Relational/object-oriented database structure (Goal)
- Linked bibliographic and authority records
- “Flat file” database structure (no links)

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

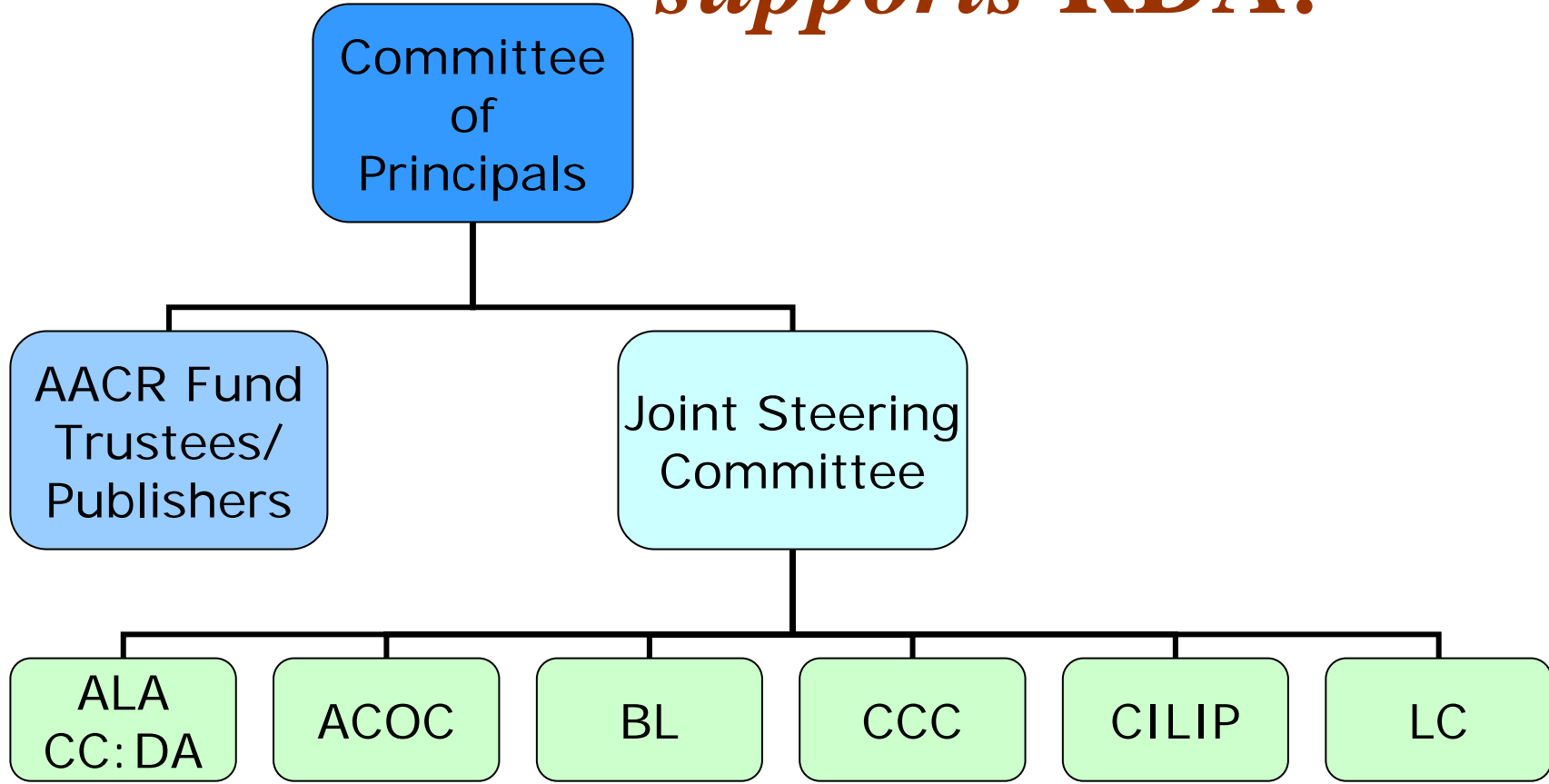
- RDA will be a **content standard** --not a display or encoding standard
 - Independent of the encoding *communication format* (e.g., MARC 21, MODS, Dublin Core)
 - Independent of *display format* (e.g., OPAC labels, ISBD)
 - International Standard Bibliographic Description (ISBD) display information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

General Guidelines

FRBR “**Find**”

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

New Terminology

AACR2 terms

Heading

Authorized heading

Main Entry

Added Entry

Authority control

Uniform title

RDA terms

Access point

Preferred access point

Access point/creator of work

Access point

Access point control

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, dkiorгаа@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

