

# *Resource Description and Access*

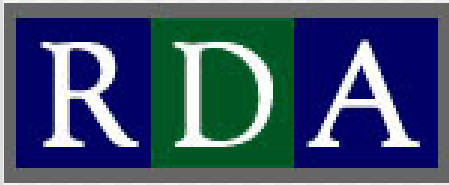
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A Cataloging Code for the Future  
(and related IFLA initiatives:  
FRBR, FRAD, IME ICC)

22nd Brazilian Congress of Librarianship,  
Documentation and Information Science, CBBD 2007

July 9, 2007

**Barbara B. Tillett, Library of Congress**

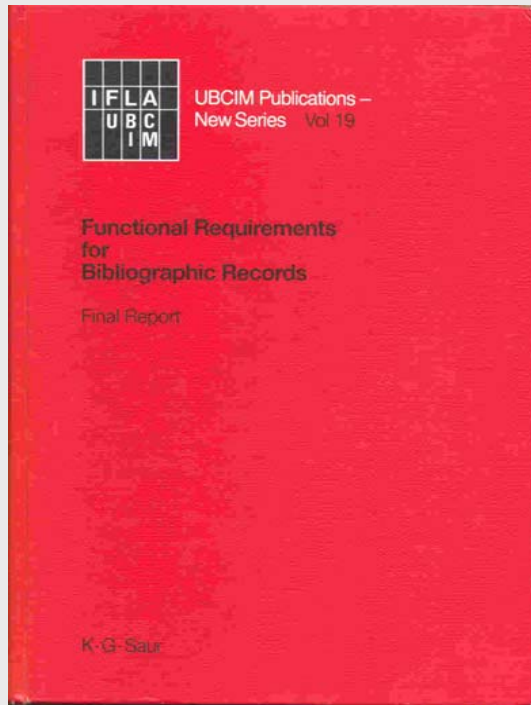


# Topics today

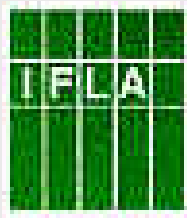
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- IFLA Initiatives
  - What is *FRBR*?
  - FRAD, FRSAR
  - IME ICC
  
- What is *RDA* and why a new standard?
  
- *RDA* goals, structure, and content
  
- Preparing for *RDA*

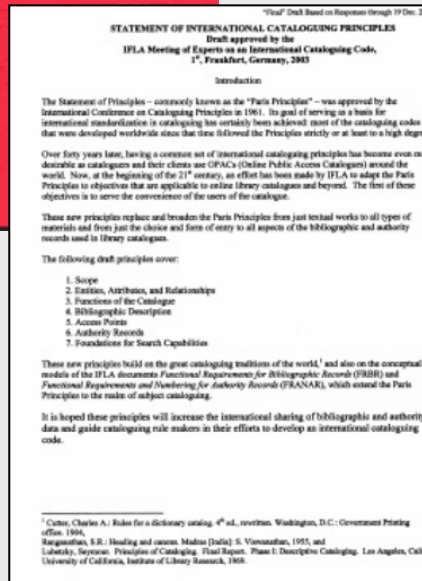
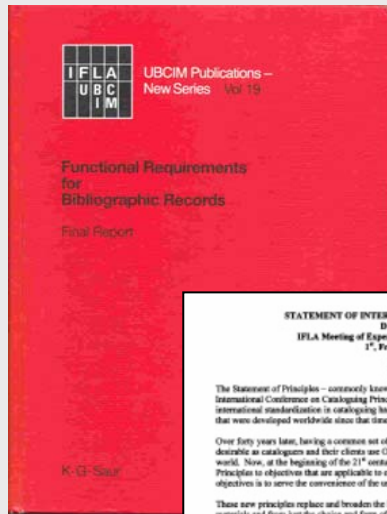
# What is FRBR?



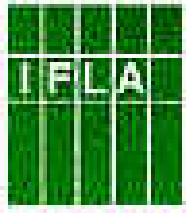
- IFLA's Functional Requirements for Bibliographic Records (FRBR)
- User tasks
  - Find
  - Identify
  - Select
  - Obtain
- Entities, Relationships, Attributes
- Mandatory elements for a national level bibliographic record



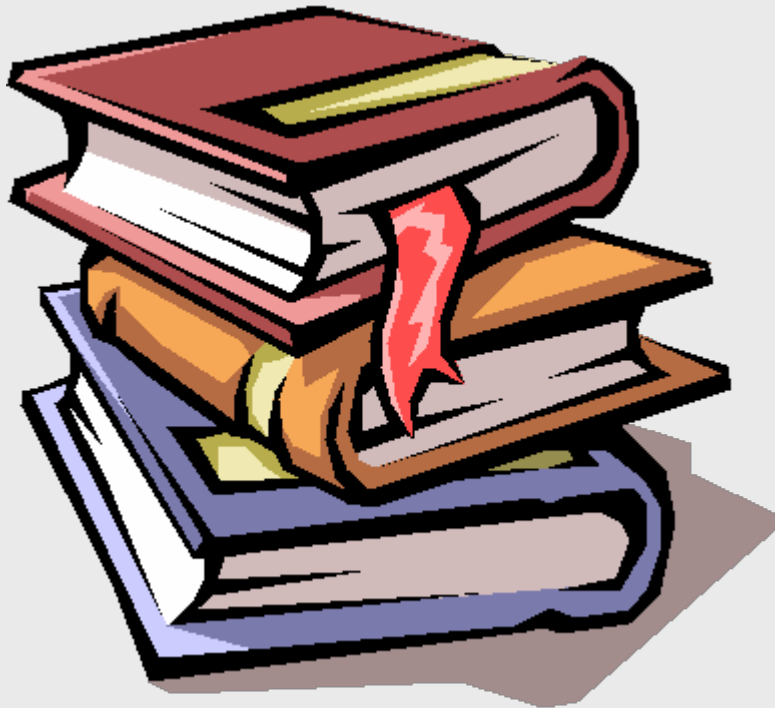
# Other International Developments



- 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



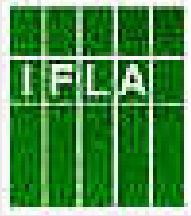
# Vocabulary



## ■ “Book”

–Door prop  
(item)

–“publication”  
at bookstore  
any copy  
(manifestation)



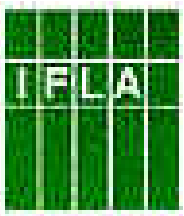
# Vocabulary



## ■ “Book”

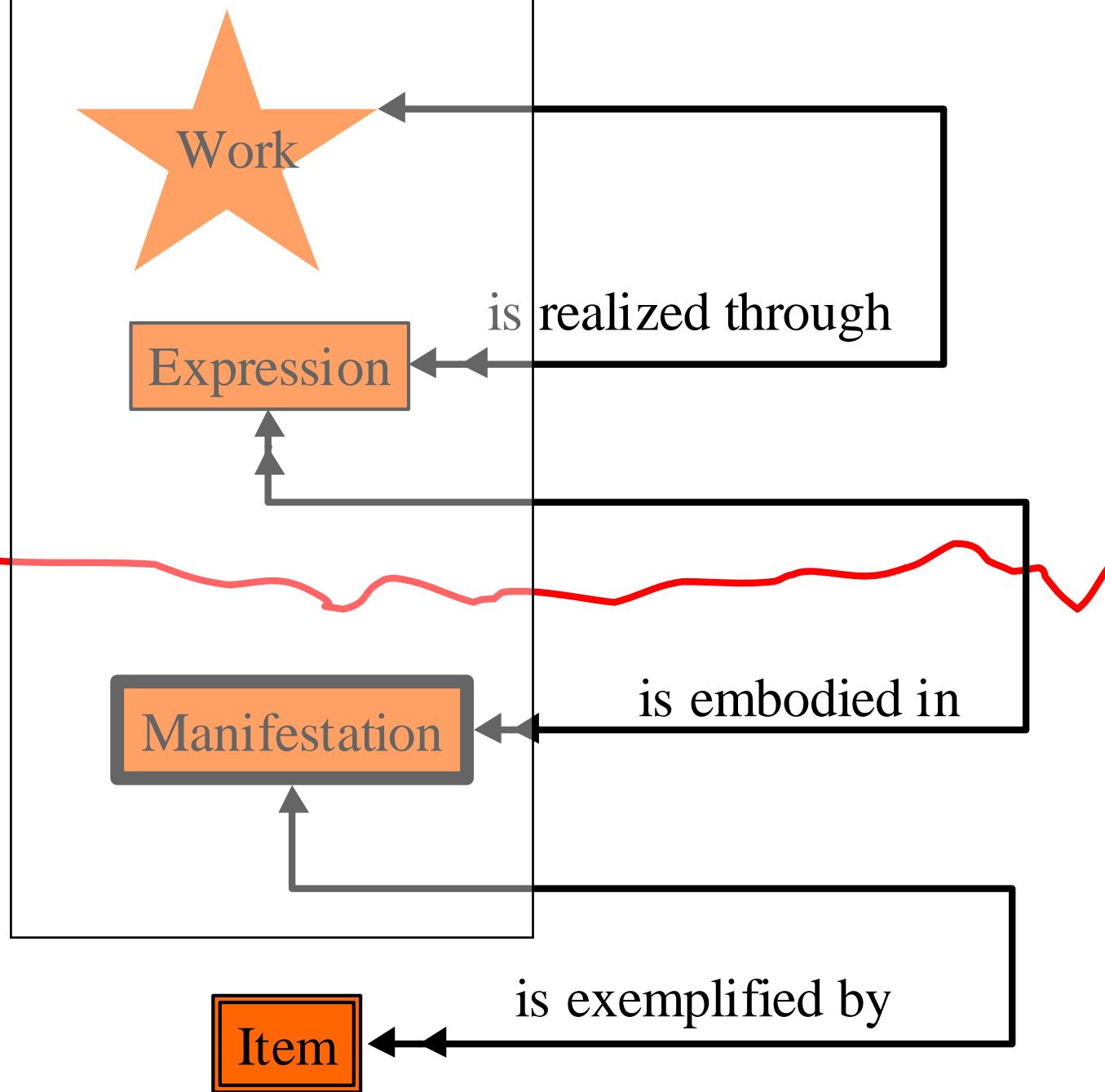
–Who translated?  
(expression)

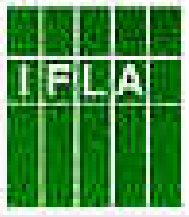
–Who wrote?  
(work)



Intellectual/  
artistic content

Physical -  
recording of  
content





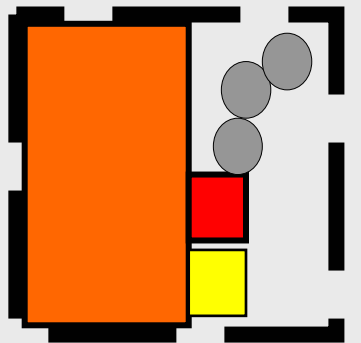
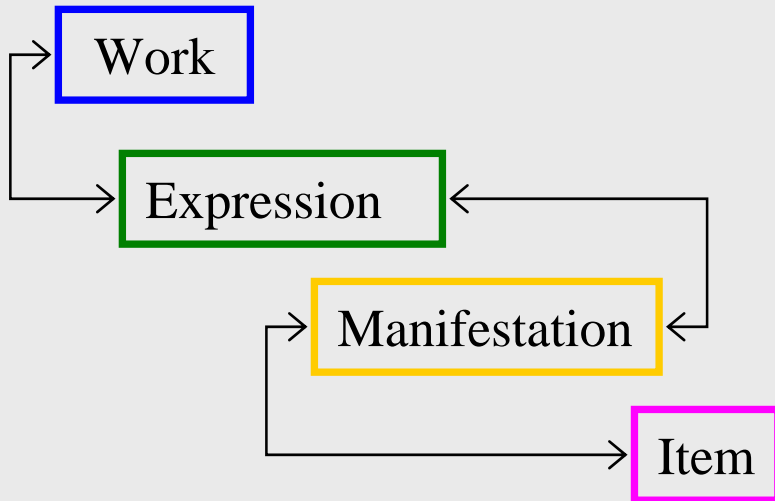
# Relationships Inherent to the Group 1 Entities

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

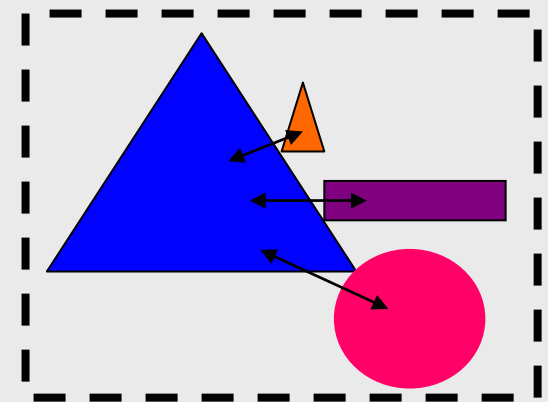
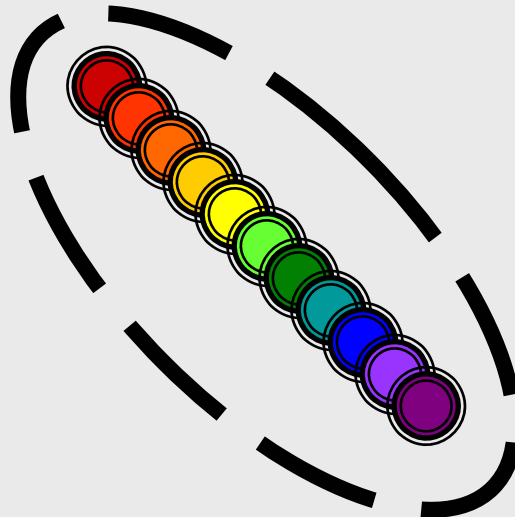


# Relationships

- Inherent among the entities
- Content relationships among works

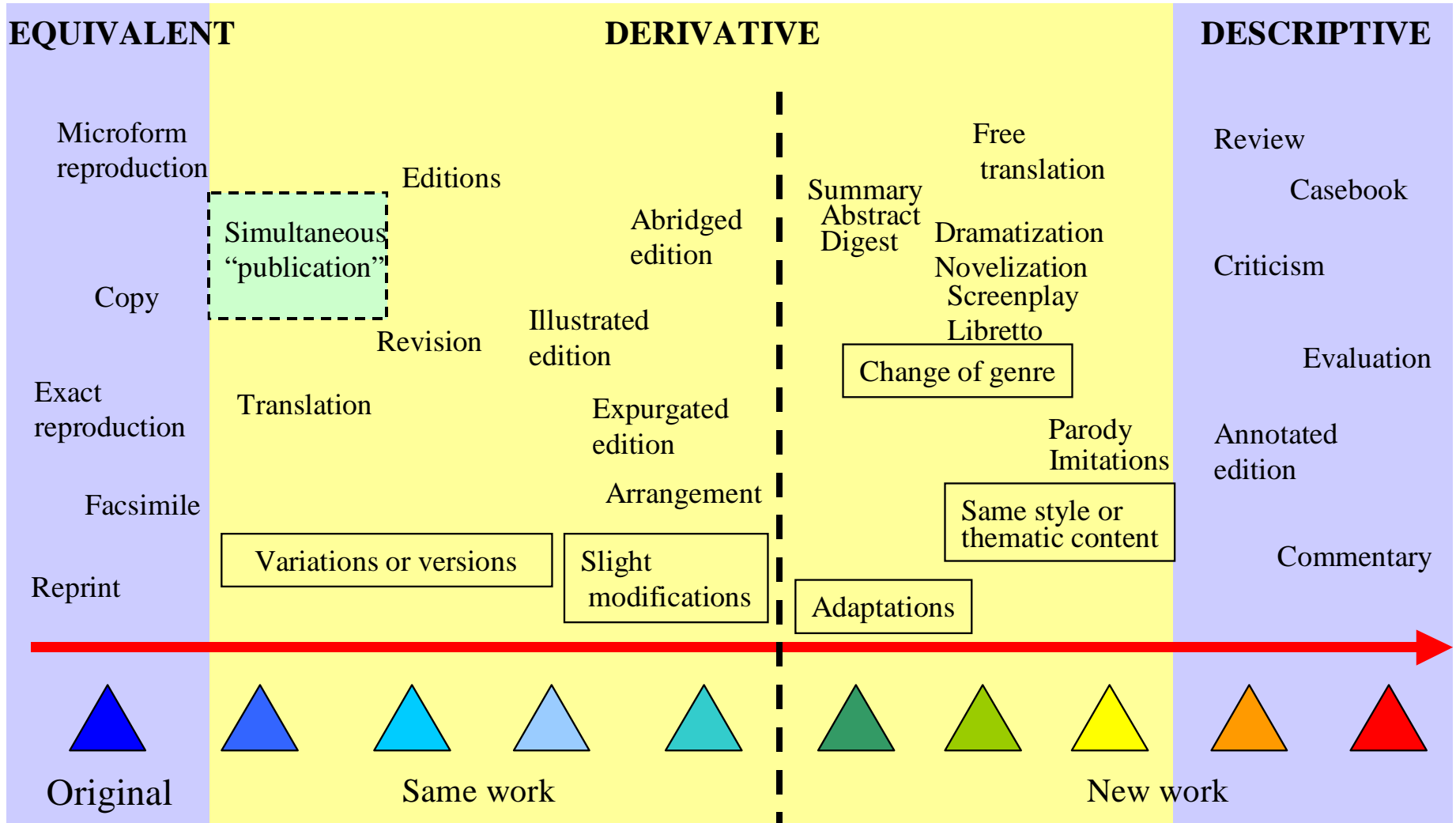


Whole-Part



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

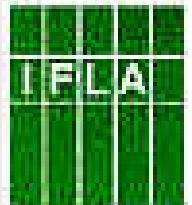
- ID
- Title
- Form
- Date
- Language
- etc.

## ■ Manifestation

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

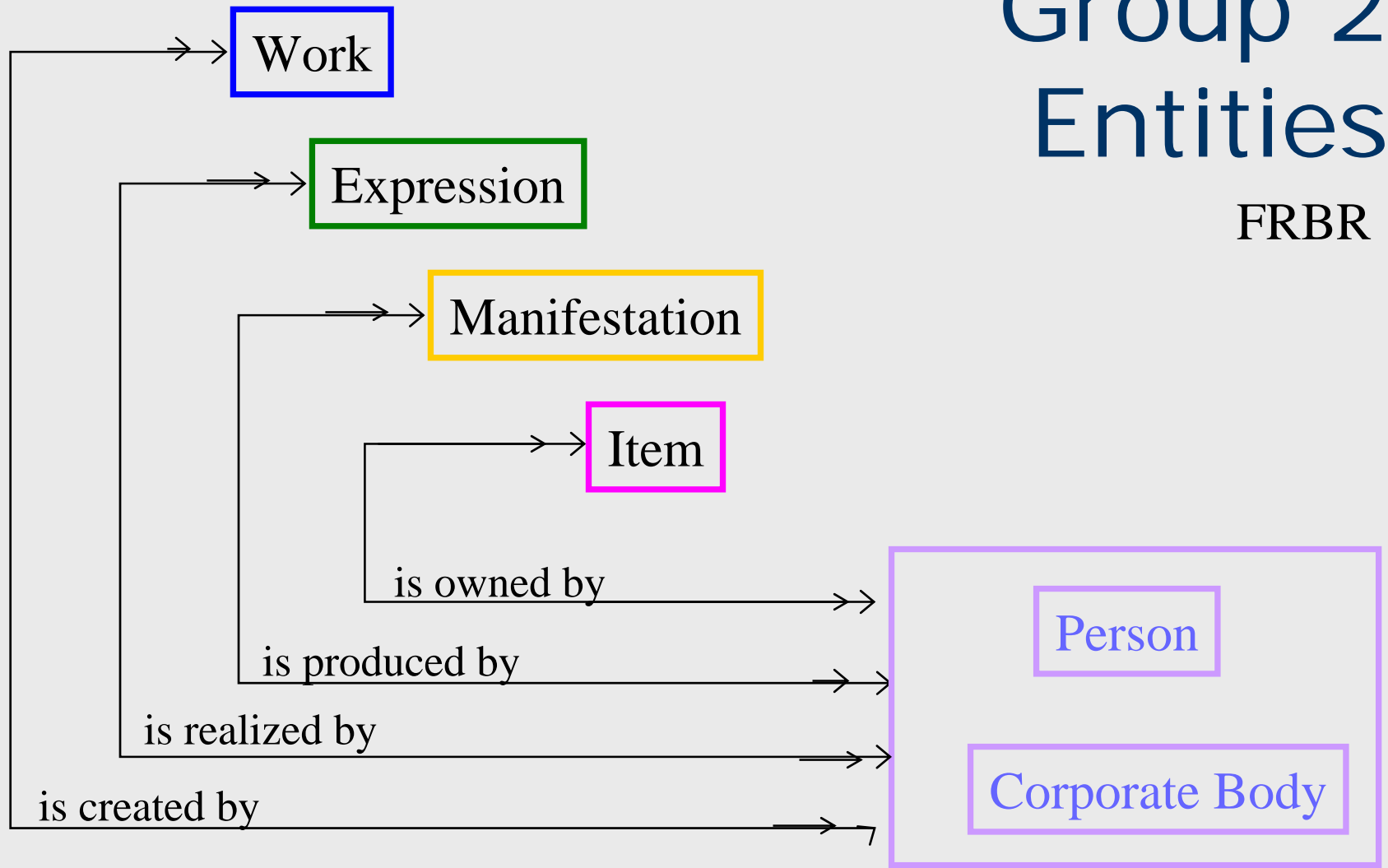
## ■ Item

- ID
- Provenance
- Location
- etc.



# Group 2 Entities

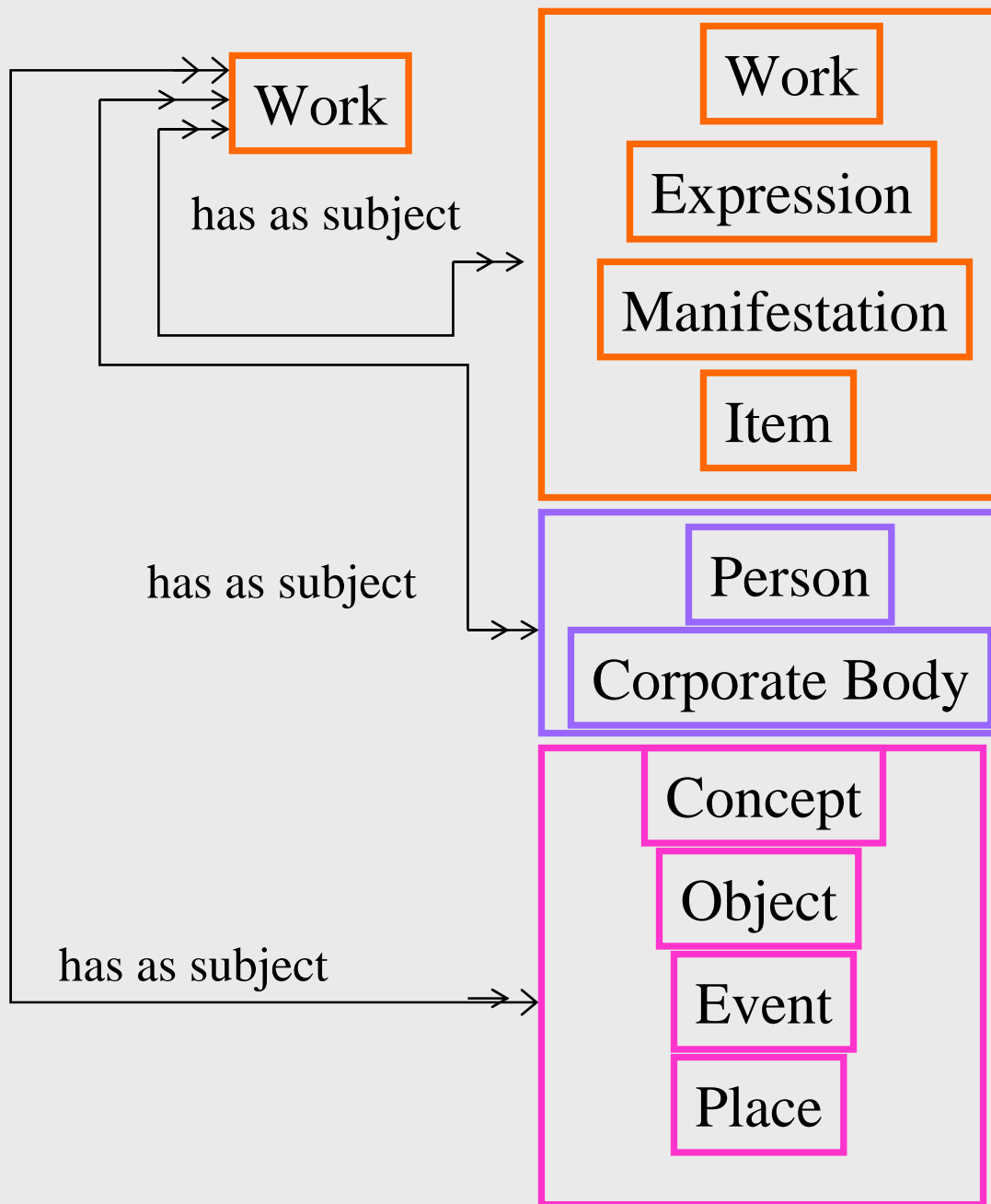
FRBR



many →→

FRBR

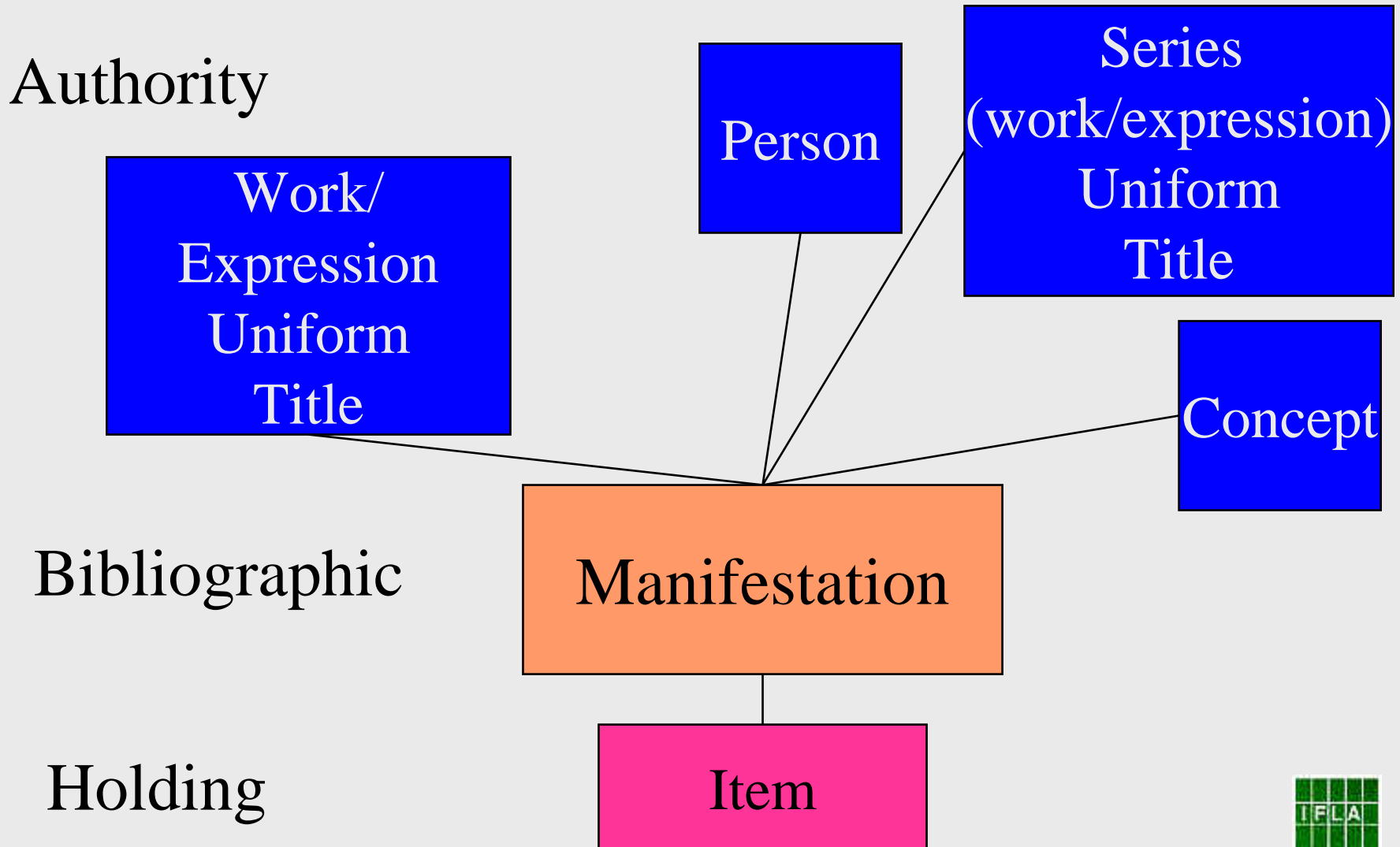
# Group 3 Subject of Works



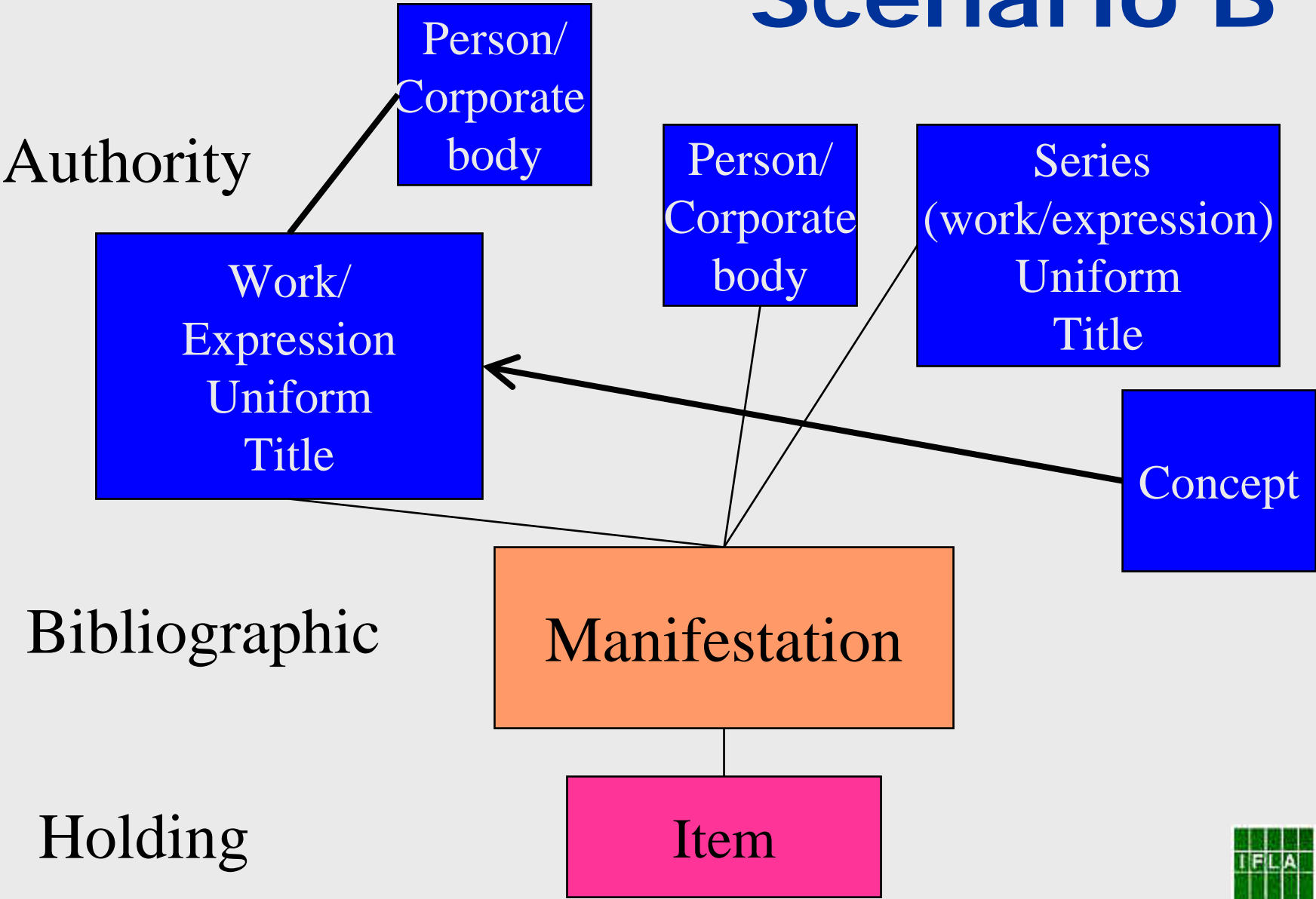
many ⇒⇒

# Possible FRBR applications

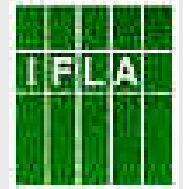
## Scenario A - Now



# Scenario B

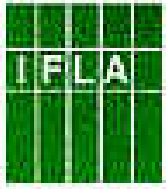


# FRBR Benefits



- 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



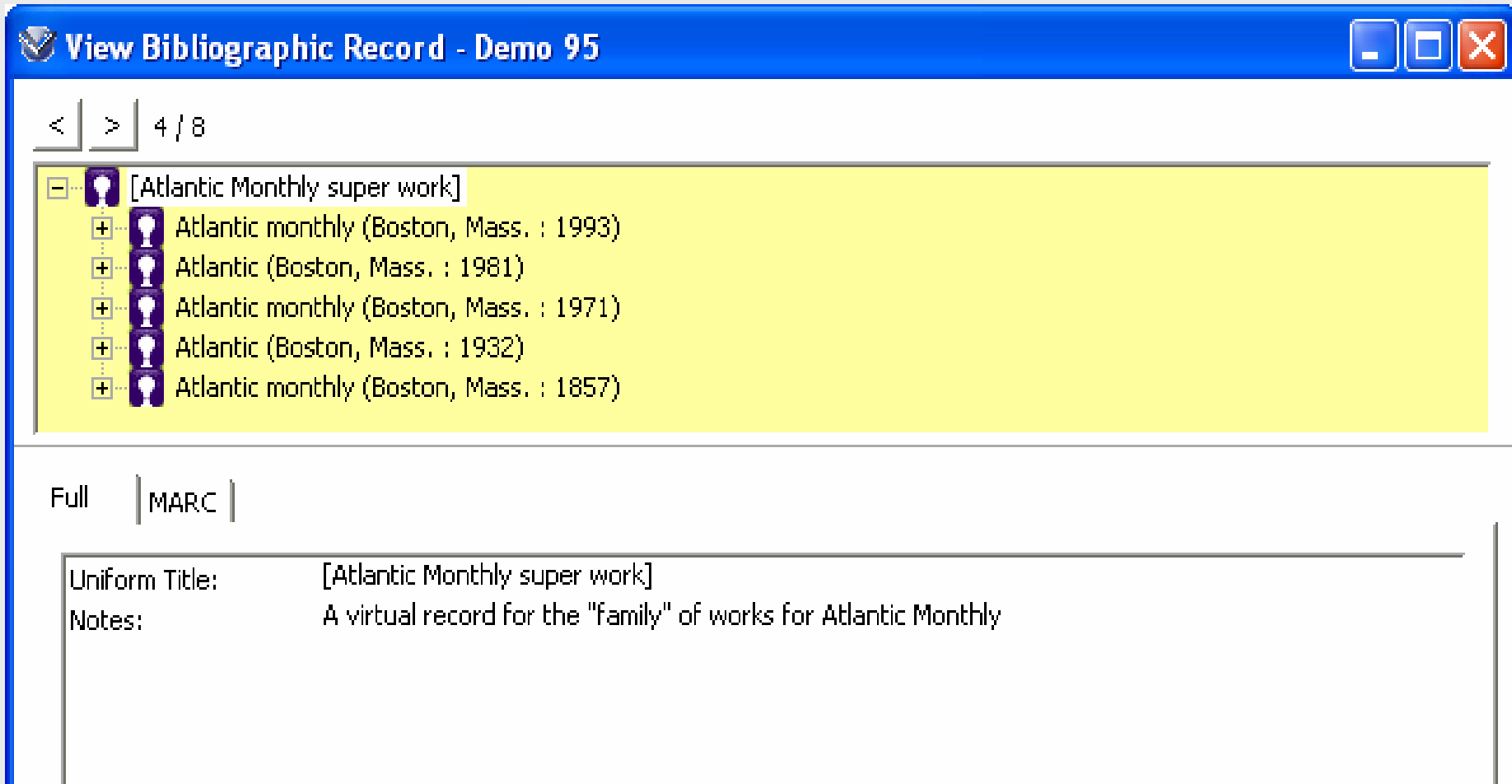


# FRBR Benefits

- 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.



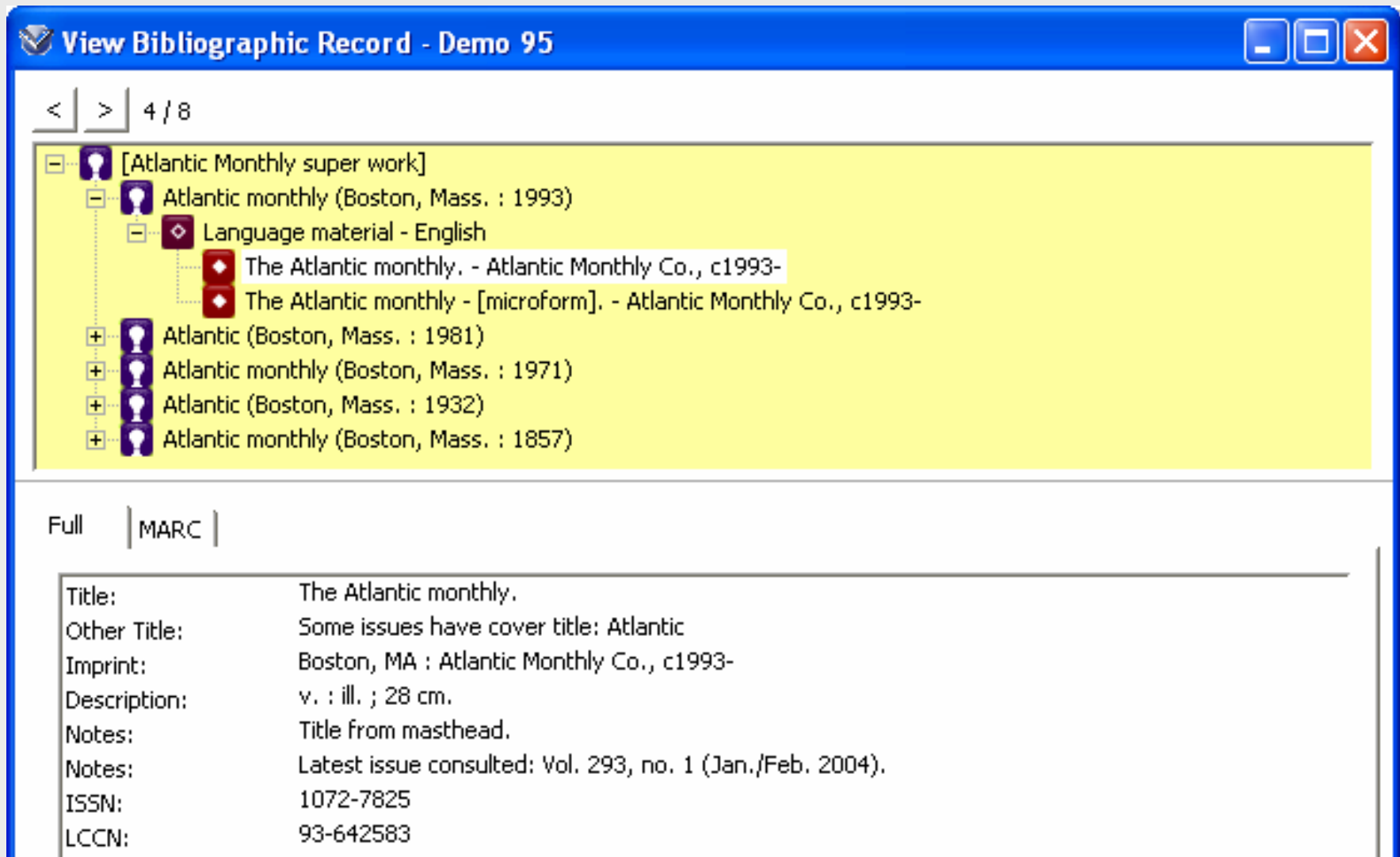
The screenshot shows a window titled "View Bibliographic Record - Demo 95". At the top, there are navigation buttons for back, forward, and page number (4/8). Below this is a tree view showing a hierarchy of works:

- [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 main content area displays a hierarchical tree of records for "[Atlantic Monthly super work]". The selected record is "Atlantic monthly (Boston, Mass. : 1993)", which is further categorized as "Language material - English". Two specific manifestations are listed: "The Atlantic monthly. - Atlantic Monthly Co., c1993-" and "The Atlantic monthly - [microform]. - Atlantic Monthly Co., c1993-". Other records in the tree include "Atlantic (Boston, Mass. : 1981)", "Atlantic monthly (Boston, Mass. : 1971)", "Atlantic (Boston, Mass. : 1932)", and "Atlantic monthly (Boston, Mass. : 1857)".

Full | MARC |

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 \(1\)](#)

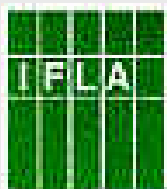
## MANIFESTATION

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

- 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

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

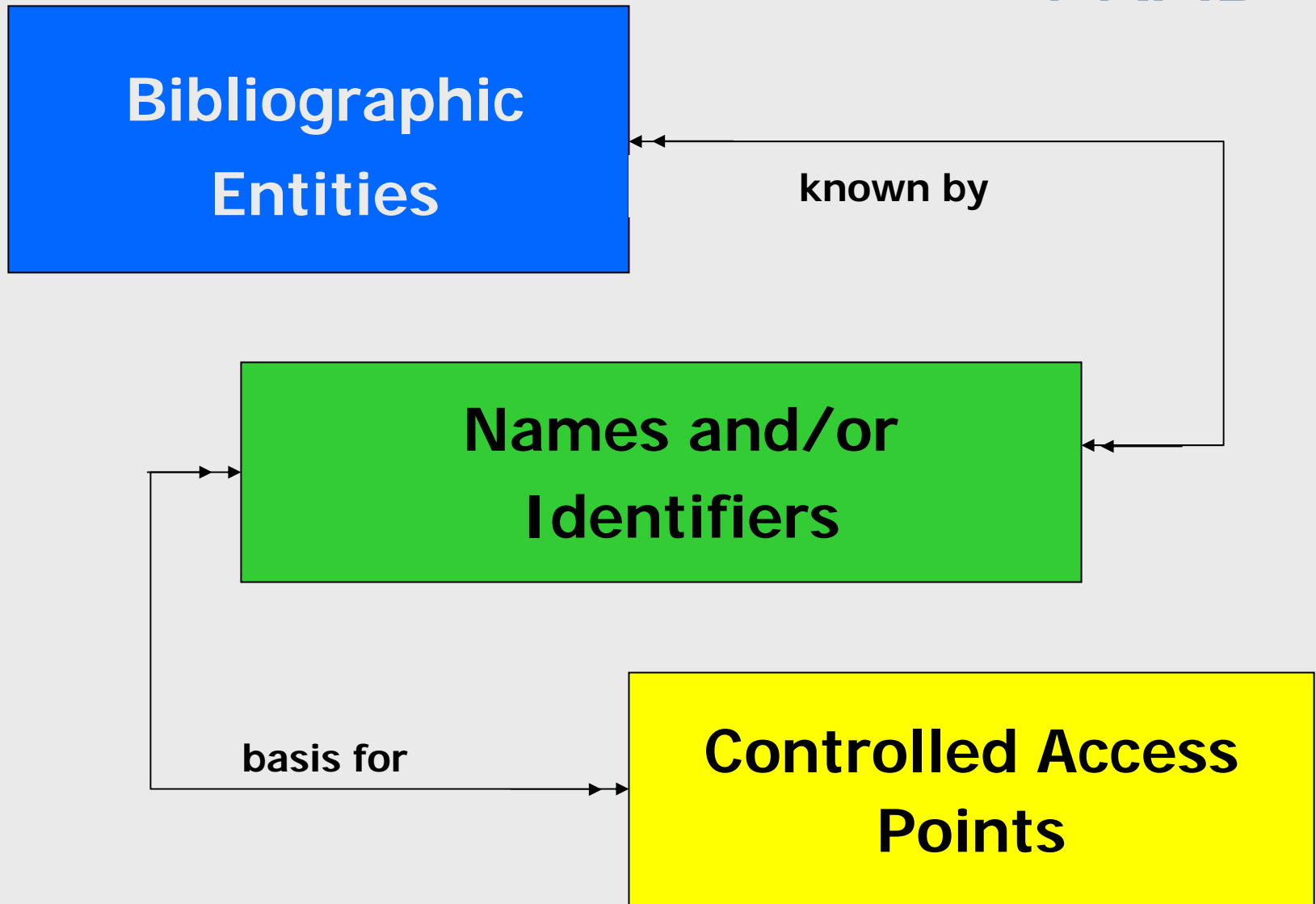
- ### Subjects
- [Children](#)
  - [Compact discs](#)
  - [Critical thinking](#)
  - [Fairy tales](#)
  - [Fantasy](#)
  - [Fantasy drama, English](#)
  - [Fantasy fiction](#)
  - [Fantasy fiction, English](#)
  - [Good and evil](#)
  - [Hawaiian language](#)
  - [Imaginary places](#)
  - [Imaginary places in literature](#)



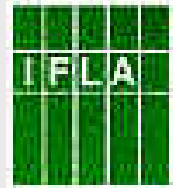
# FRAD

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

# FRAD



# FRAD extension to FRBR



## FRBR

### Entities:

Person

Family

Corporate Body

Work

Expression

Manifestation

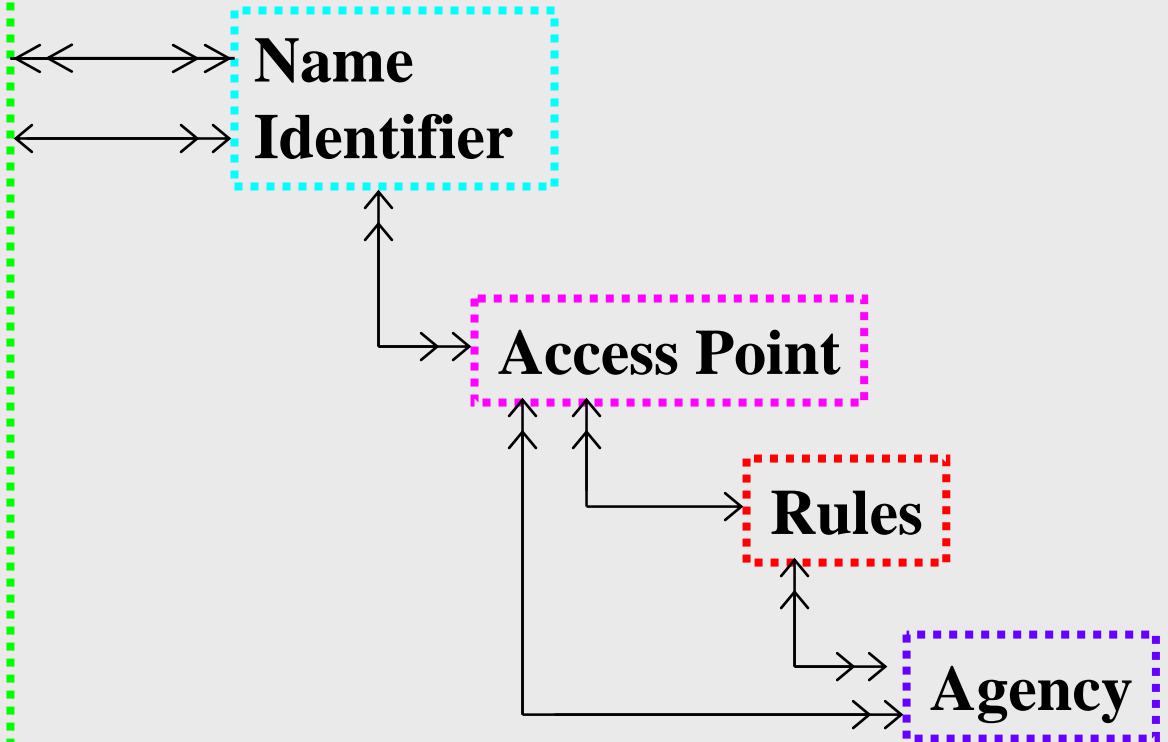
Item

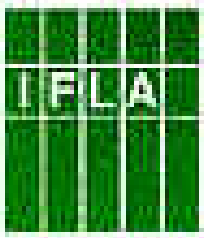
Concept

Object

Event

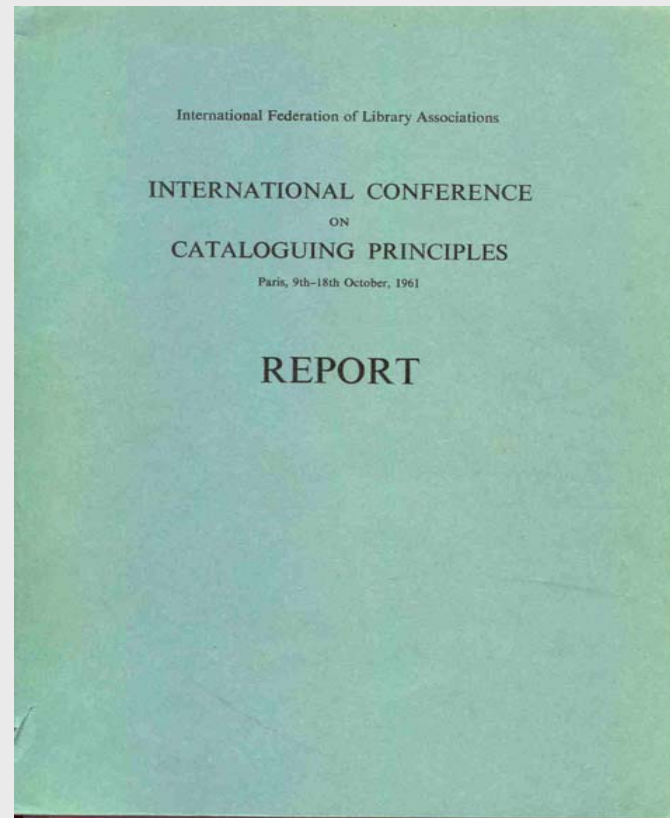
Place



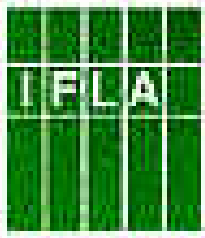


# Cataloguing Principles

- 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  
[http://www.ddb.de/standardisierung/afs/imeicc\\_index.htm](http://www.ddb.de/standardisierung/afs/imeicc_index.htm)



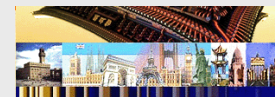
- IME ICC2 – Latin America-Caribbean  
<http://www.loc.gov/imeicc2>



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

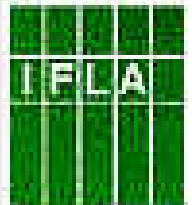
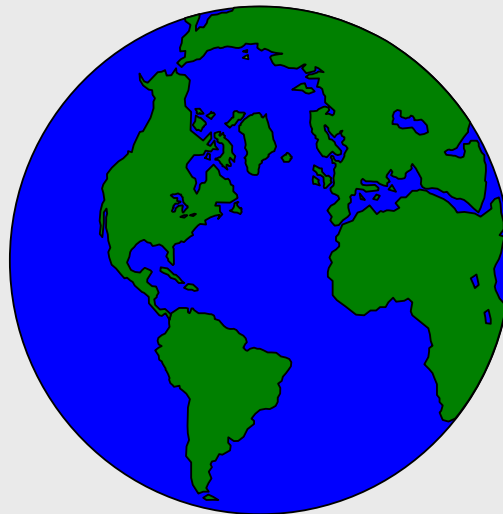


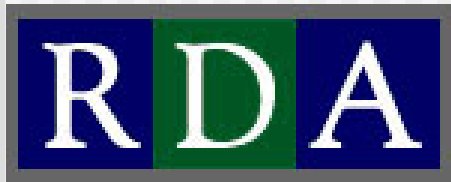
- IME ICC4 – Asia  
<http://www.nl.go.kr/icc/icc/main.php>



# Next/Final Meeting – IME ICC5

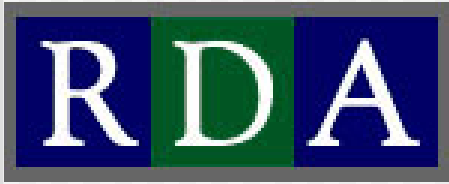
- 2007 August 14-15 subSaharan Africa
  - Hosted by the National Library of South Africa, Pretoria, South Africa





# 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*?



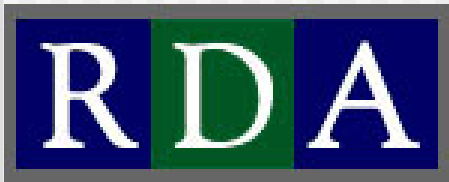
## ■ *AACR2*

■ 1978

■ 1988

■ 1998

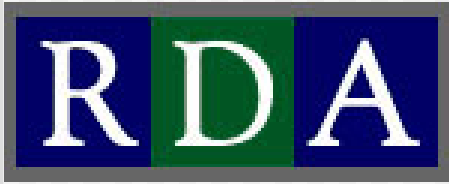
■ 2002



# Background

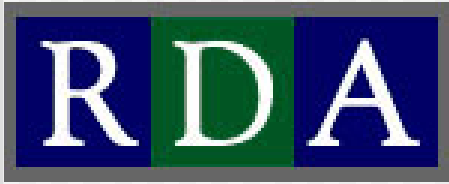
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- 1997: International Conference on the Principles and Future Development of AACR, Toronto
  - Worldwide experts invited by the JSC
  - Reviewed principles
  - Content vs. carrier
  - Logical structure of the rules
  - Seriality
  - Internationalization



# From *AACR3* to *RDA*

- ***April 2005*** – decided to start afresh by rethinking and restructuring AACR3
- Concerned 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.)

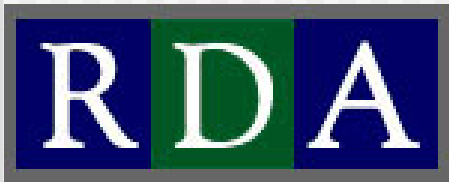




# GOALS:

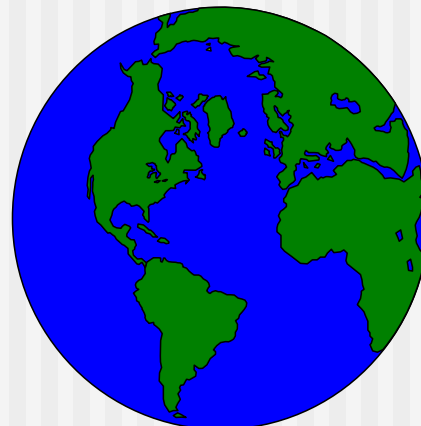
*RDA will be ...*

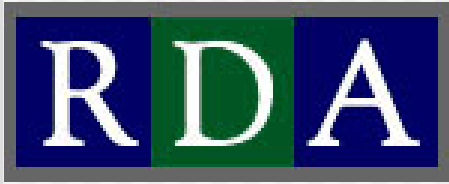
- A new standard for **resource description and access**
- Designed for the **digital** environment
  - Web-based product
    - paper also available
  - Description and access of all digital and analog resources
  - Resulting records usable in the digital environment (Internet, Web OPACs, etc.)



## *RDA* will be ...

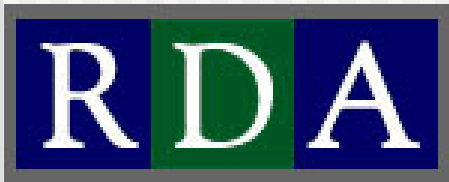
- “A multinational ***content standard*** providing bibliographic description and access for the variety of media and formats collected by libraries today”
- Developed for use in English language environment;
- it can also be used in other language communities





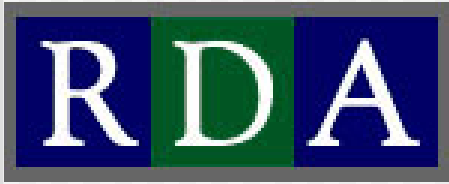
# Content vs. display

- 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

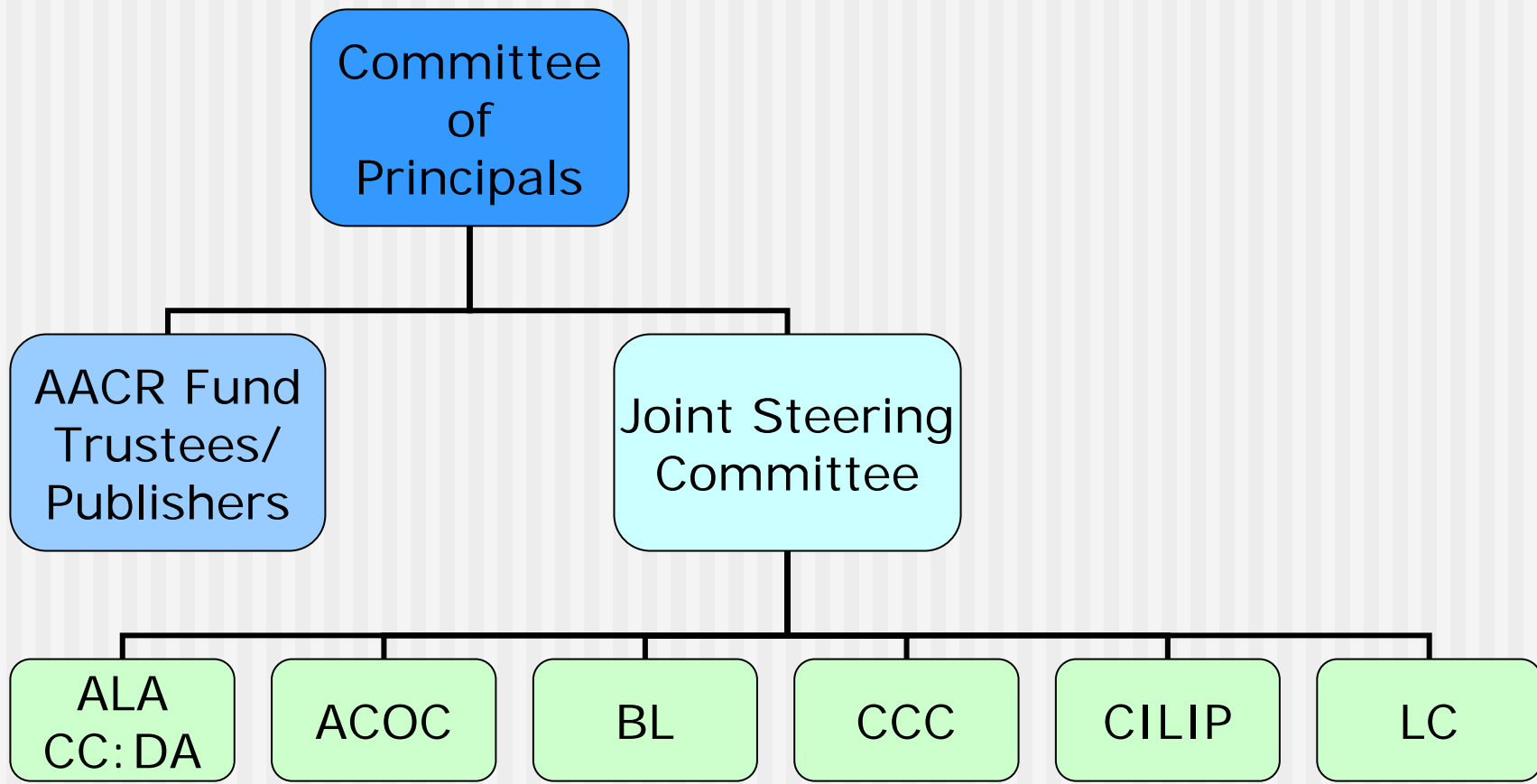


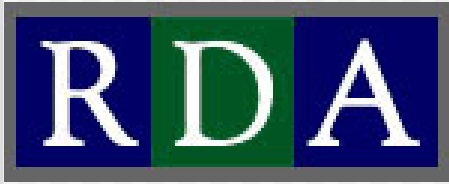
## *RDA will ...*

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



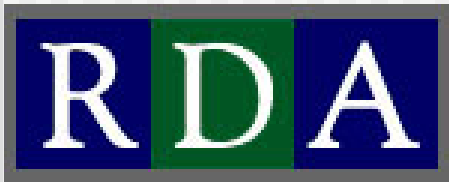
# Who develops and supports *RDA*?





# JSC and Project Management Team

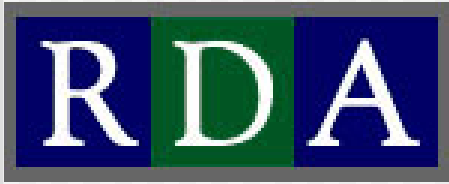




# Creating RDA

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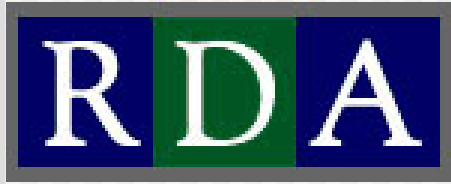
- Process of creating *RDA*
  - Editor drafts chapters
  - JSC reviews chapters
  - Editor revises chapters
  - JSC constituencies (and others) review chapters
  - JSC considers comments and requests changes to text by the Editor



# *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



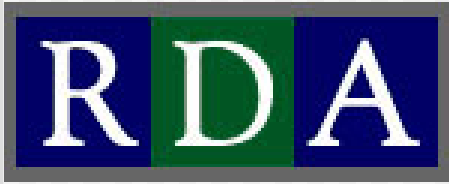


# Part A

## Chapters 0-5

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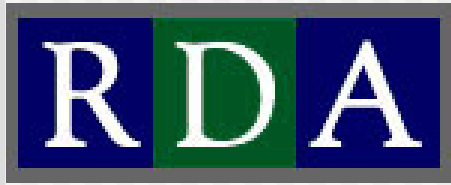
0. Introduction
1. General guidelines for resource description
2. **FRBR "Identify"** the resource
3. Carrier description - **FRBR "Select"**
4. Content description - **FRBR "Select"**
5. Acquisition and access information - **FRBR "Obtain"**



# Part A Ch. 6-7 “Relationships”

## FRBR user task “Find”

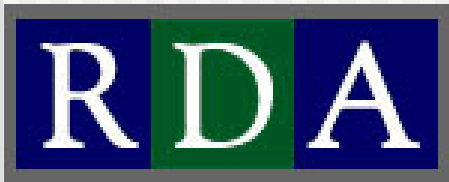
- Chapter 6:  
Relationships  
between FRBR  
Group 1 and  
Group 2 entities
  - Persons
  - Corporate bodies
  - Families
- Chapter 7:  
Relationships  
among FRBR  
Group 1 entities
  - Works
  - Expressions
  - Manifestations
  - Items



## Access Point Control

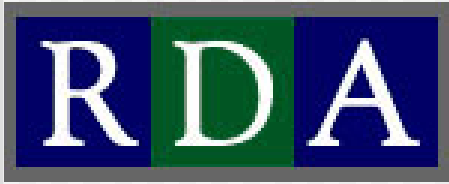
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- Choice of access points
- General guidelines for access point control
- Access points (preferred forms and variants) for:
  - Persons, Families, Corporate bodies, Places
  - Works, Expressions, etc.
- Other information used in access point control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



## Part C?

- Elements that are data about data
  - "Description based on..."
  - Etc.



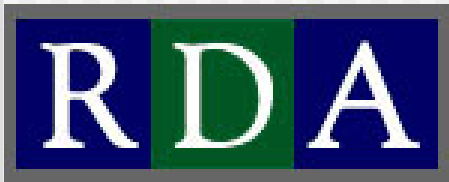
# New Terminology

## *AACR2 terms*

Heading  
Authorized heading  
Main Entry  
Added Entry  
Authority control  
Uniform title

## *RDA terms*

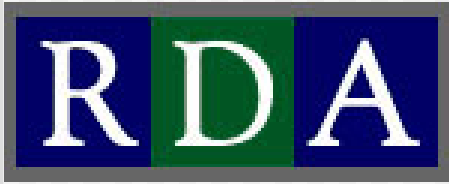
Access point  
Preferred access point  
Primary Access point  
Secondary Access point  
Access point control  
Preferred title  
Name of the work (to  
include name of creator  
when applicable)



## New elements

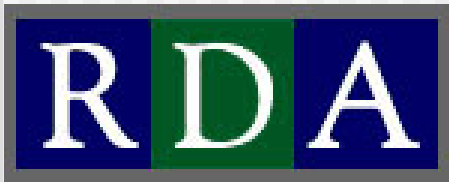
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- Media, Carrier, and Content Types to replace GMDs
- Other examples:
  - File characteristics for digital materials
  - Video format characteristics
  - Custodial information for archival resources
  - Braille characteristics



# How many elements?

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



# Transcription

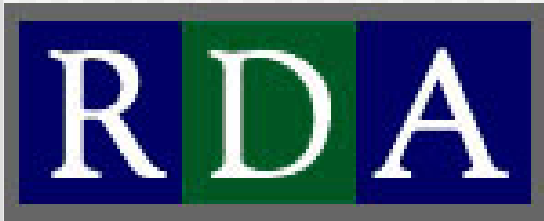
- Importance of transcription of data to identify the resource varies
  - Rare books – very important!
  - Digital materials – maybe not as important
  
- “Take what you see”
  - Correction of inaccuracies elsewhere
  - Facilitating automated data capture





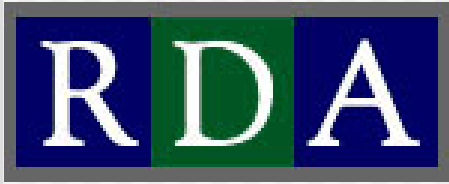
# Customizing *RDA* *Web Tool*

- 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.



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Preparing for *RDA* ...

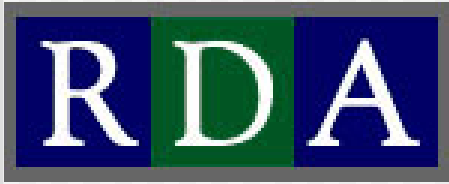


# Questions and Answers

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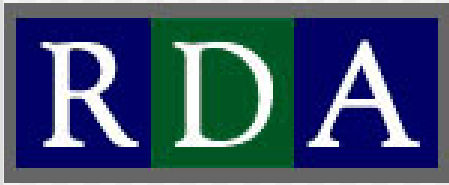
- FAQ (“Frequently Asked Questions”) on adopting RDA and other topics available on the JSC Web site:

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



# *RDA* Records in MARC Format

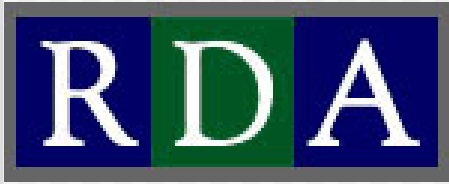
- Most RDA data elements can be incorporated into MARC 21
- A few changes in MARC 21:
  - New data elements to replace GMDs
  - Possibly some other modifications necessary
- RDA and Dublin Core: mappings, further discussions



# Making decisions ...

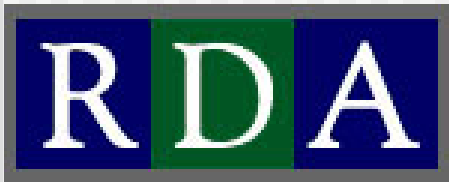
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- Required data elements + which others?
- Which alternatives and options?
- Who decides how to apply RDA?
  - National libraries
  - Other governing bodies: OCLC, the Program for Cooperative Cataloging
  - Individual institutions



# Retrospective catalog maintenance?

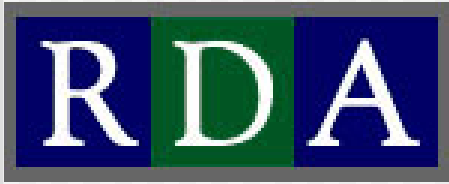
- No: Intend for RDA records to be compatible
- Need for retrospective adjustments when integrating *RDA* and *AACR2* records will be minimal, if at all



# Draft Reviews

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- 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, [dkiorгаа@nla.gov.au](mailto:dkiorгаа@nla.gov.au)



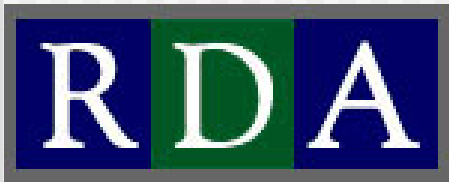


# *RDA* Web Tool Prototype

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

[www.rdaonline.org](http://www.rdaonline.org)

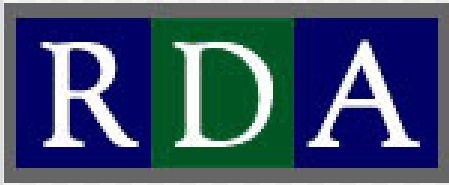
- Complete a brief survey – we want your feedback!



# Training for *RDA*

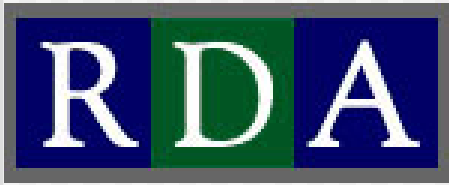
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- Catalogers *will* need some training in RDA – hope it's more like “orientation”
- Groups that provide training are beginning to make plans
- Online product will assist with learning



# 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