An Introduction to FRBR, RDA, and Library Linked Data

INFORMATION ORGANIZATION MOVES INTO THE 21ST CENTURY: FRBR, RDA, LLD

Guest Lecture for LIS5307, Dr. Michelle Kazmer, FSU College of Information, October 17, 2012

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Objectives of this class:

- Fundamentals of FRBR
  - Entity-Relationship Model
- Introduction to RDA
  - Successor to AACR2
- Overview of Linked Data
  - The Future of Information Organization

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Functional Requirements of Bibliographic Records

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Objectives of the Final Report (1998) of the IFLA Study Group:

1. to provide a clearly defined, structured framework for relating the data recorded in bibliographic records to the needs of users
2. to recommend a basic level of functionality for records created by national bibliographic agencies

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FRBR are defined in relation to the following user tasks when searching and making use of national bibliographies and library catalogues:

- Find
- Identify
- Select
- Obtain

IFLA. Final Report. Section 2.1

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Entity-Relationship Model

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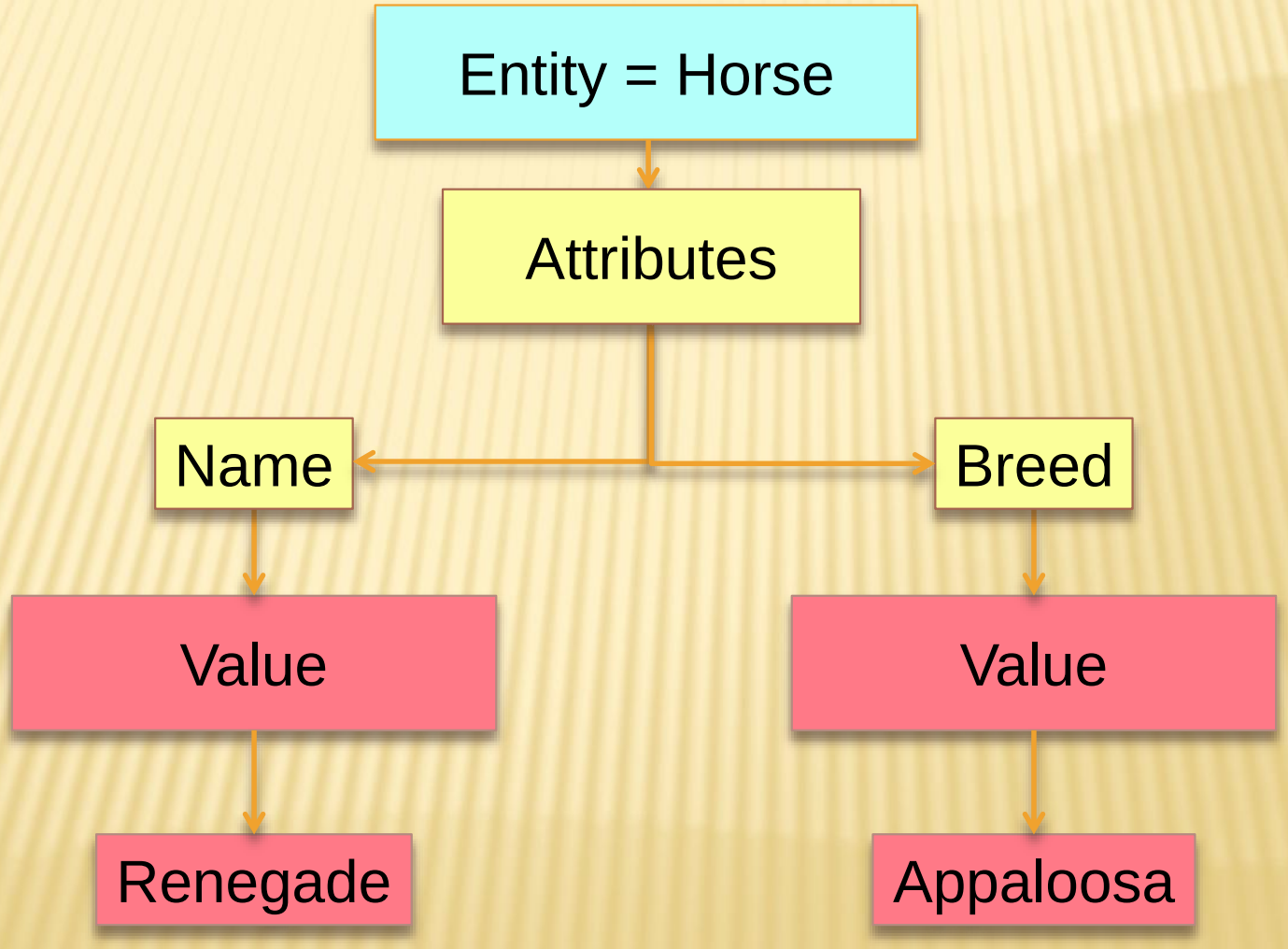

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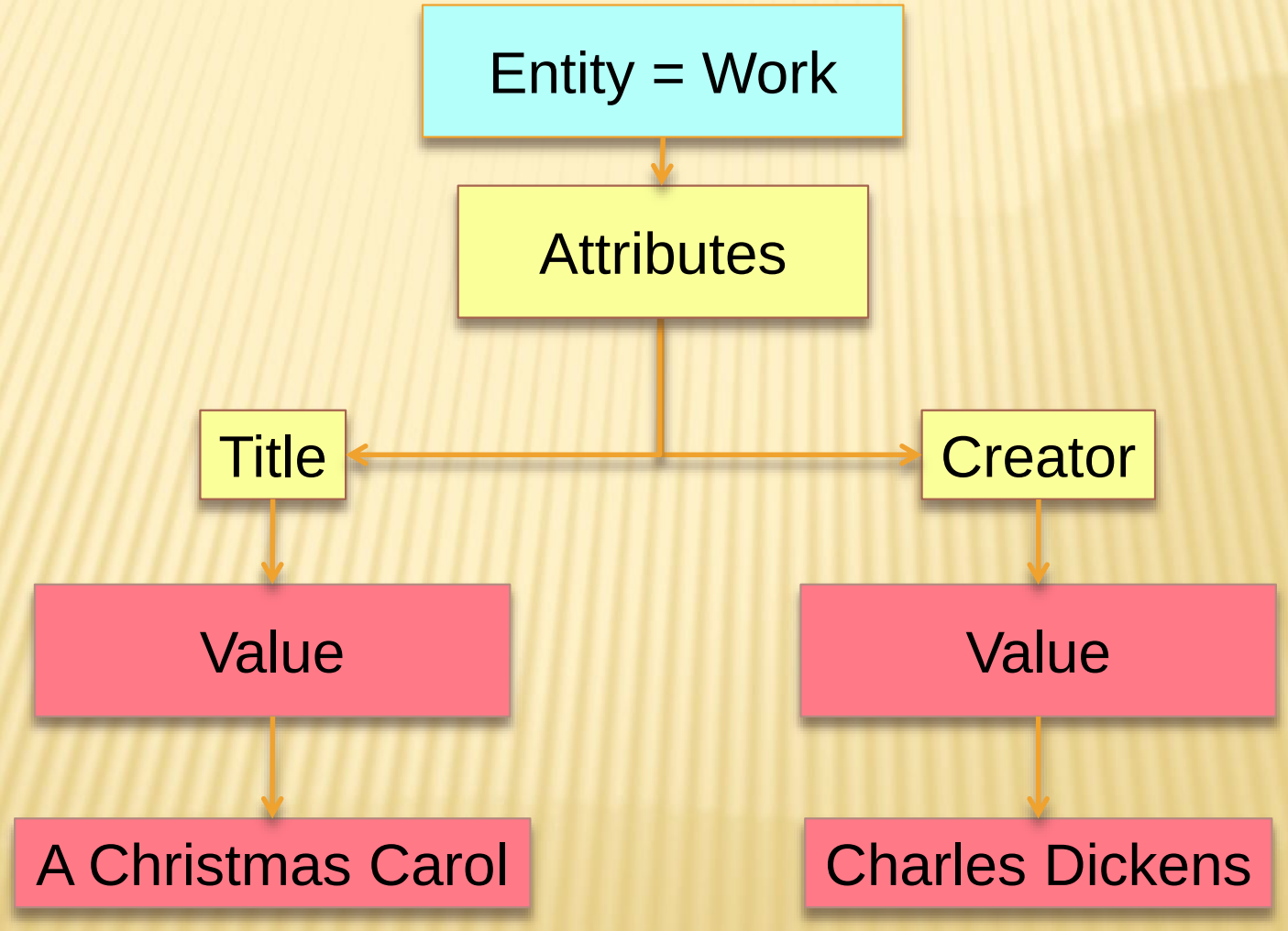

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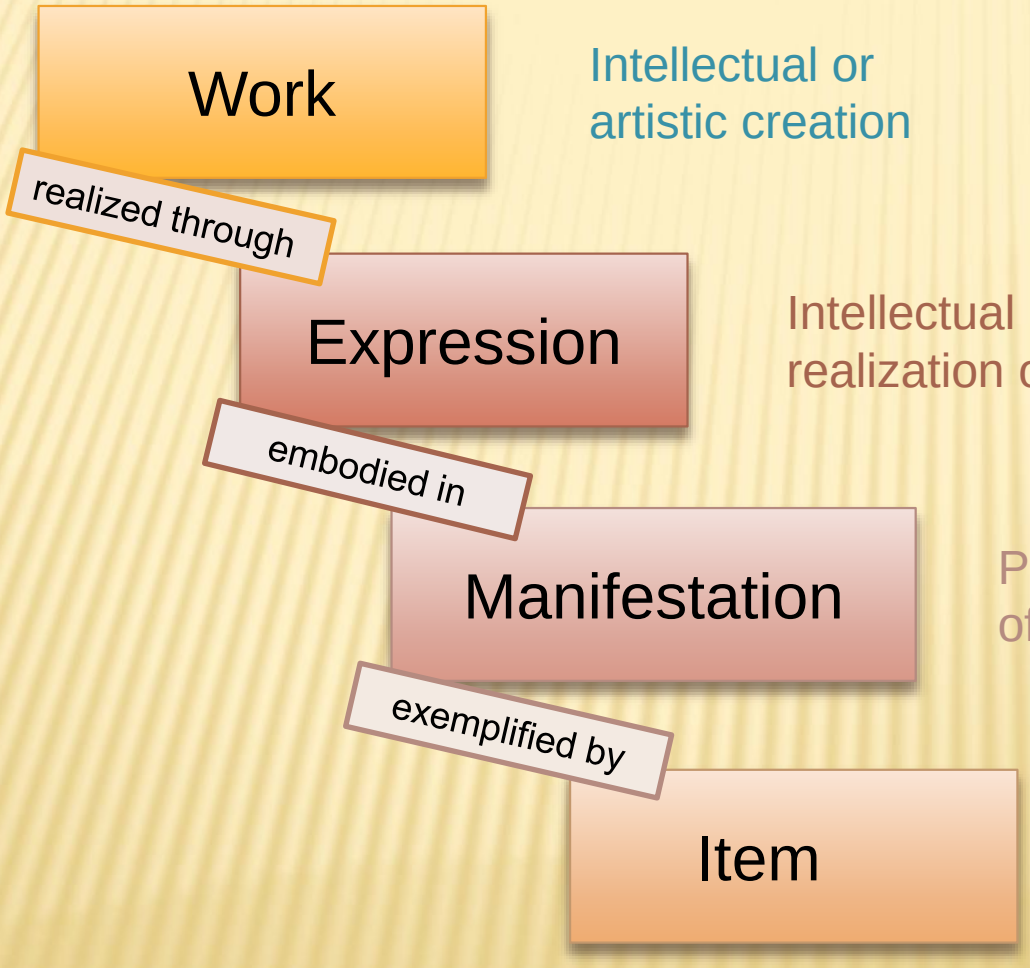
Group One Entities



Intellectual or artistic creation

Intellectual or artistic realization of a work

Physical embodiment of an expression

Single exemplar of a manifestation

Adapted from IFLA. Final Report. Section 3.1

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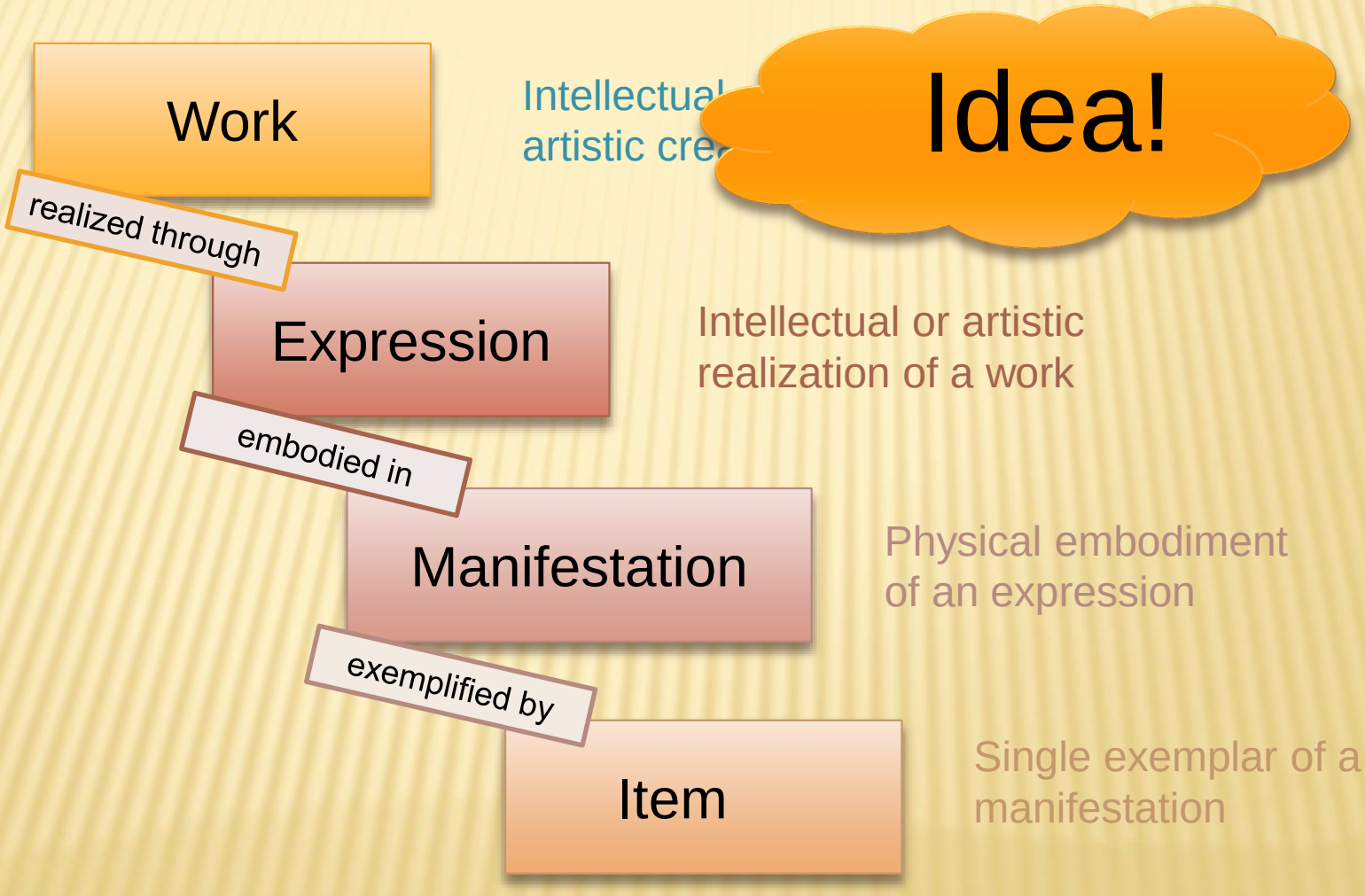

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Work

Intellectual or artistic creation

realized through

Expression

embodied in

Manifestation

Physi
of an

Jane Eyre
New York, N.Y. : Penguin Group, 2008.

exemplified by

Item

Single exemplar of a manifestation

Digital (PDF) : CD-ROM

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Group Two Entities

Person

an individual

Family

A group of related persons

Corporate Body

an organization or group of individuals and/or organizations

Final Report. Section 3.2

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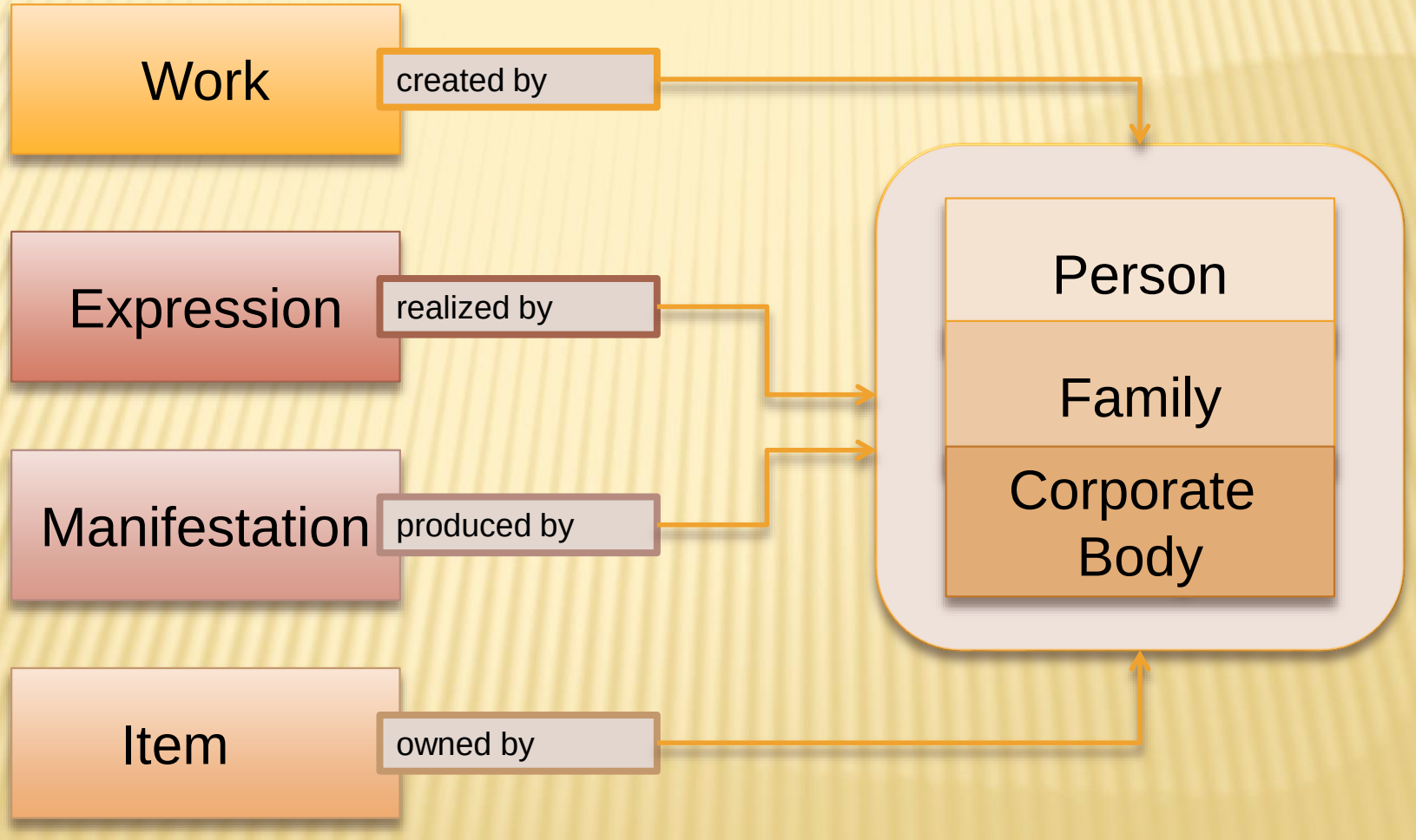

Final Report. Section 3.2

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Group Three Entities

Concept	an abstract notion or idea
Object	a material thing
Event	an action or occurrence
Place	a location

IFLA. Final Report. Section 3.2

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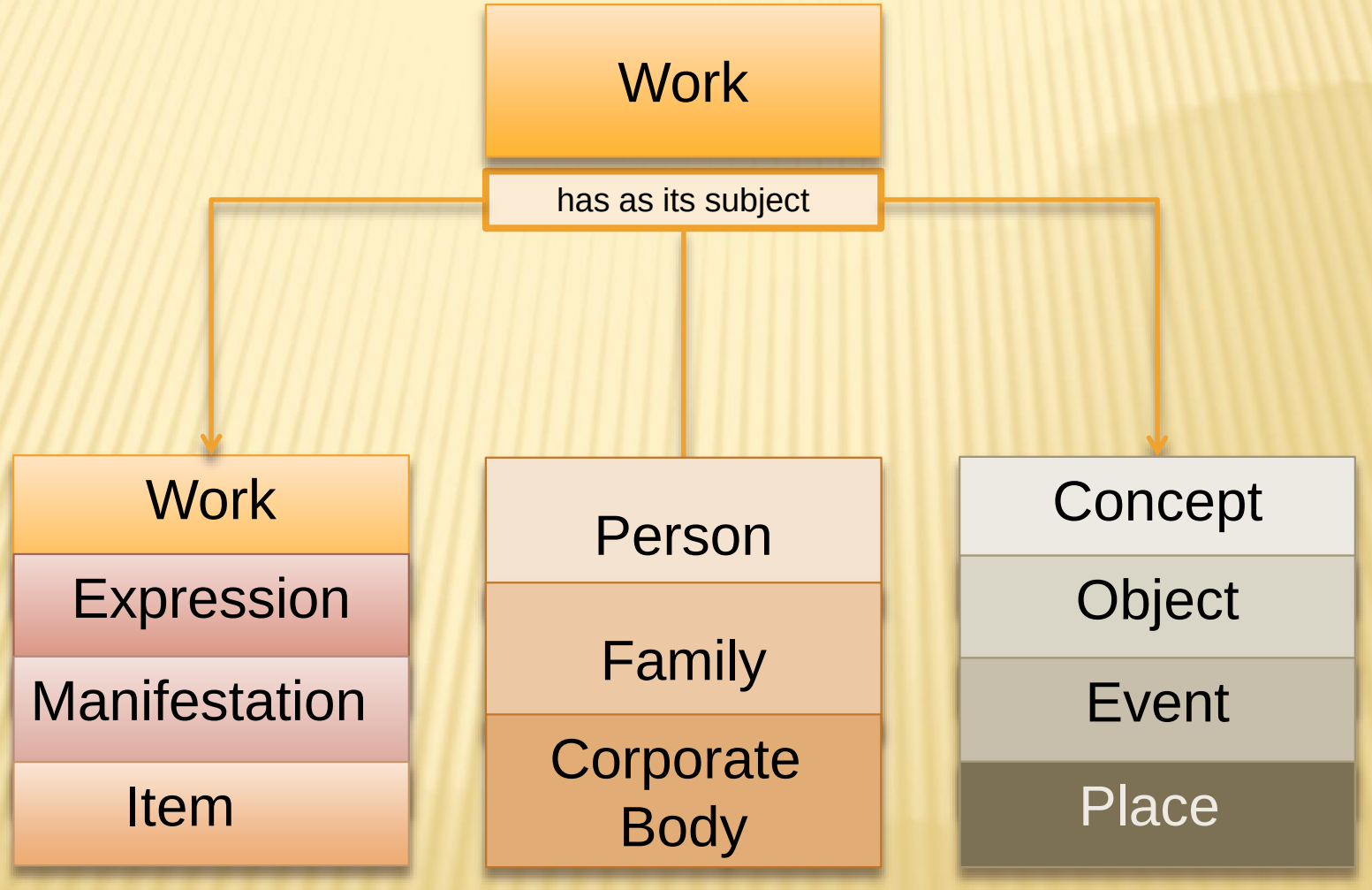

IFLA. Final Report. Section 3.3

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Resource Description and Access

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What are the new cataloging rules?

- Resource Description and Access (RDA)
  - Successor to AACR2 cataloging rules
  - Released June 23, 2010
  - Already implemented by some libraries in the US:
  - Full implementation by Library of Congress and other National Libraries: March 31, 2013
  - RDA records in OCLC this morning: 91,627; in our SUS “Uborrow” Mango: 3,582

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What are the new cataloging rules?

How are AACR2 and RDA the same?

- Both establish a standard for bibliographic description so that information resources can be found, identified, selected, and accessed
- RDA built of the 'bricks' of AACR2
  - Dismantled, reconstructed, remodeled

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AACR2 Part 1 is based on

ISBD Areas of Description

1. Title and statement of responsibility
2. Edition area
3. Material specific details
4. Publication, etc.
5. Physical description
6. Series
7. Notes
8. Standard numbers and terms of availability

Part 2 covers headings

RDA is based FRBR entities

Group 1 Entities:
Work, Expression, Manifestation, Item

Group 2 Entities:
Persons, Corporate Bodies, Families

Group 3 Entities:
Concept, Object, Event, Place

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Author: Dickens, Charles, 1812-1870.

Uniform title: Christmas carol

Title: A Christmas carol : in prose ; being a ghost story of Christmas

Publisher: London : Chapman & Hall, 1843.

Physical description: 166 p., [4] leaves of plates : ill. (some col.) ; 17 cm.

Language: English

Entity: Person; *Role*: Creator; *Value:* Dickens, Charles, 1812-1870

Entity: Work; *Element:* Preferred title; *Value:* Christmas carol

Entity: Work; *Element:* Title; *Value:* A Christmas carol : in prose ; being a ghost story of Christmas

Entity: Expression; *Element:* Language; *Value:* English

Entity: Manifestation; *Element:* Publisher name; *Value:* Chapman & Hall

Entity: Manifestation; *Element:* Extent; *Value:* 166 pages, 4 unnumbered leaves of plates

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What are the new cataloging rules?

How is RDA different?

- Based on FRBR, a conceptual entity-relationship model
- Designed for a digital environment: RDA Toolkit
- "Take what you see, accept what you get."*
  - Less abbreviations and truncation, less stringent capitalization rules

* Dr. Barbara B. Tillett, Chief, Policy and Standards Division, Library of Congress

RDA's Impact on Searching & Display

How will RDA impact our public catalogs?

- Searching in Mango
  - Potentially more names; no more "Rule of Three"
- Display in Mango
  - "pages" and "illustrations"
  - "cm" is a symbol, not an abbreviation
  - "©" instead of "c" in front of copyright year
  - Full stops after abbreviations: "1st ed.."

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AACR2 Record in Mango

Title:	The Nature and **future** of the **catalog** : proceedings of the ALA's Information Science and Automation Division's 1975 and 1977 institutes on the **catalog** edited by Maurice J. Freedman and S. Michael Malinconico.
Published:	Phoenix, AZ : Oryx Press, 1979.
Description:	xvi, 317 p. : ill. ; 24 cm.
Notes:	"A Neal-Schuman professional book." Includes bibliographical references and index.
ISBN:	0912700084 :
Subjects, general:	**Cataloging** -- Congresses Libraries -- Automation -- Congresses Library **catalogs** -- Congresses
Subjects, medical:	**Cataloging** -- congresses **Catalogs**, Library -- congresses
Other author(s),etc:	American Library Association Information Science and Automation Division Freedman, Maurice J. Malinconico, S. Michael
Format:	Book

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RDA Record in Mango

Title:	**Conversations with catalogers in** the 21st **century**
	Elaine R. Sanchez, editor ; foreword by Michael Gorman.
Published:	Santa Barbara, California : Libraries Unlimited, [2011], ©2011.
Description:	xii, 283 pages : illustrations ; 24 cm.
Series note:	Libraries Unlimited library management collection
Series:	Libraries Unlimited library management collection.
Alternate title:	**Conversations with catalogers in** the twenty-first **century**
Notes:	Includes bibliographical references and index.
Summary:	"Authored by **cataloging** librarians, educators, and information system experts, this book of essays addresses ideas and methods for tackling the modern challenges of **cataloging** and metadata practices"-- Provided by publisher.
ISBN:	1598847023 (pbk. : acid-free paper)
	9781598847024 (pbk. : acid-free paper)
Subjects, general:	**Cataloging** -- History -- 21st **century**
Other author(s),etc:	Sanchez, Elaine
Format:	Book

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Library Linked Data

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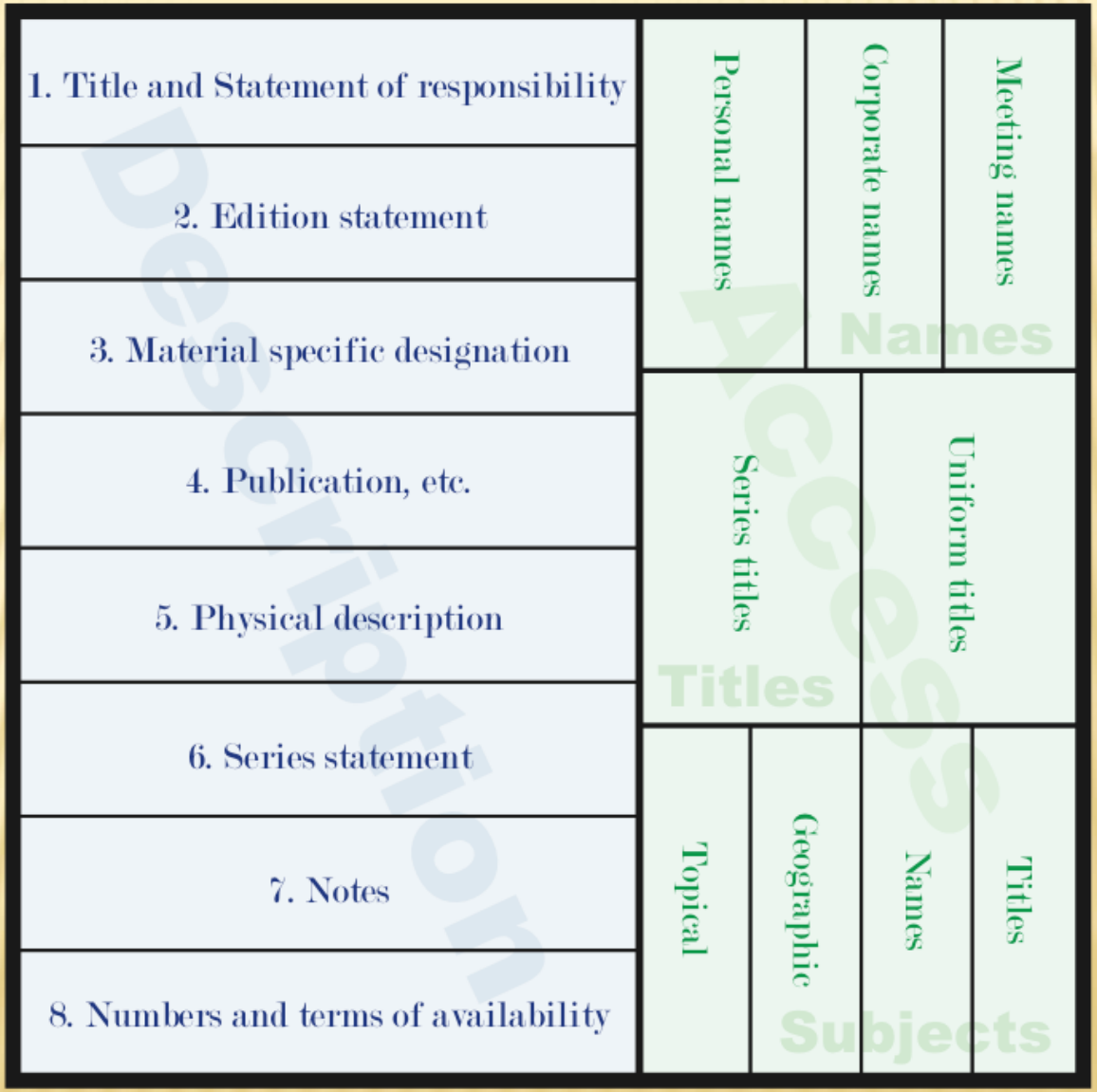

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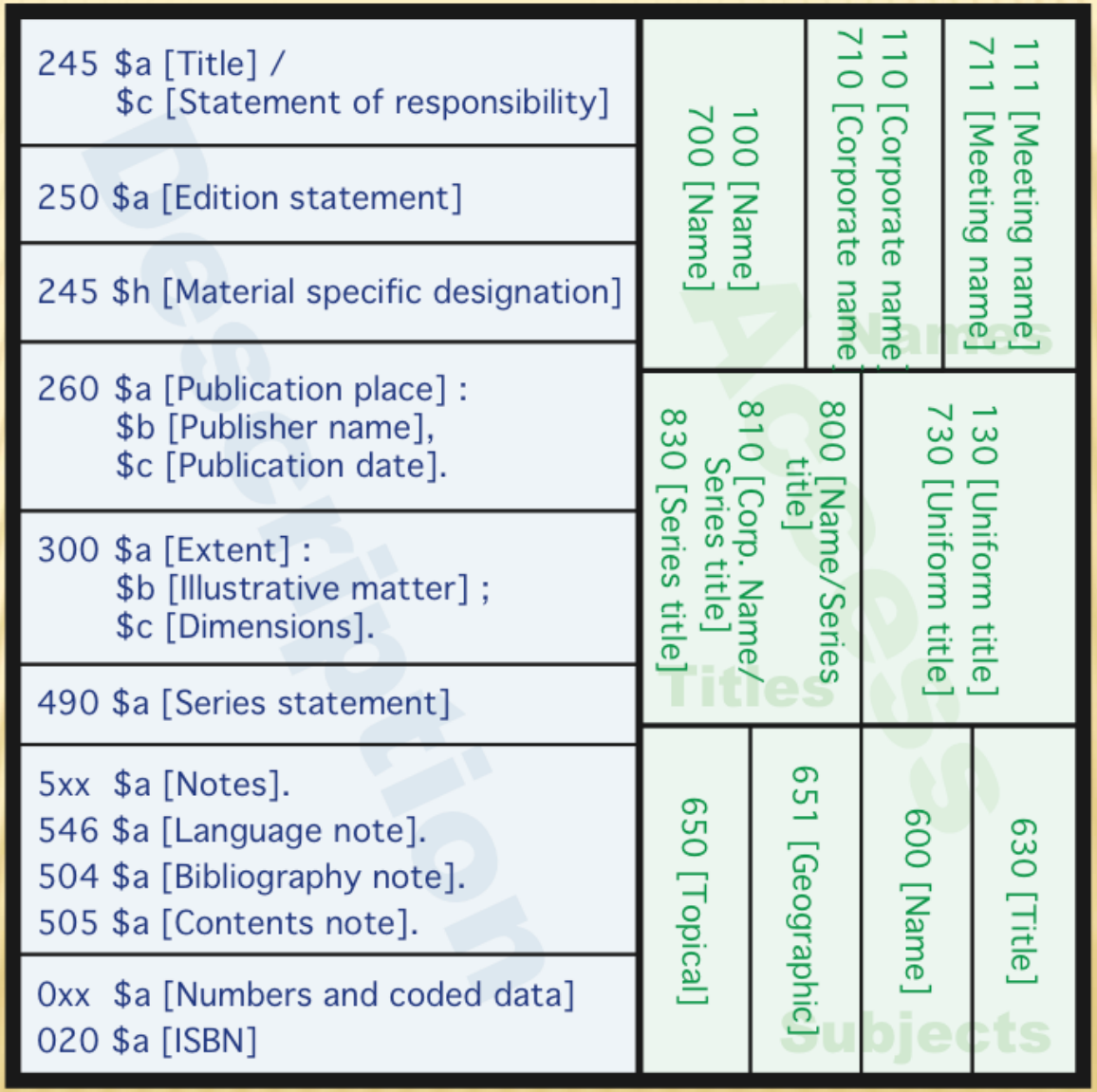
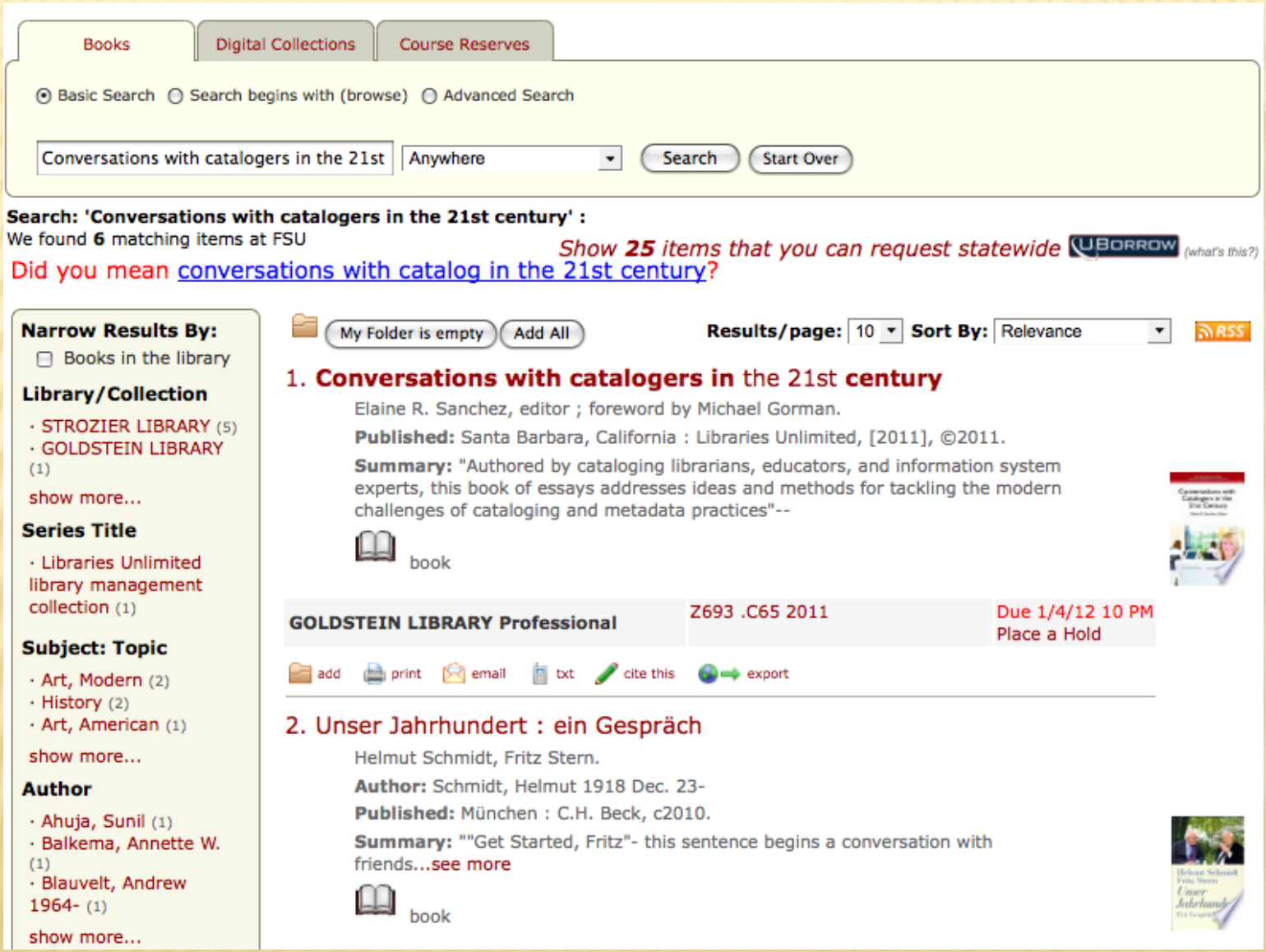


RDA'S IMPACT ON SEARCHING & DISPLAY

Call number: Z693.A15 N39
Publication: Phoenix, AZ : Oryx Press, 1979.
Description: xvi, 317 p. : ill. ; 24 cm.
Notes: Includes bibliographical references and index.
Subject: Cataloging--Congresses.
Subject: Library catalogs--Congresses.
Added name: Freedman, Maurice J.

Author, etc.:	Daly, Richard R.
Title:	The future crisis in the card catalog : how libraries are preparing for it / by Richard R. Daly
Published:	Media, PA : Information Associates, c1979.
Description:	12 p. ; 22 cm.
Subjects, general:	Card catalogs.
Format:	BK
Material type:	<Book>

RDA'S IMPACT ON SEARCHING & DISPLAY



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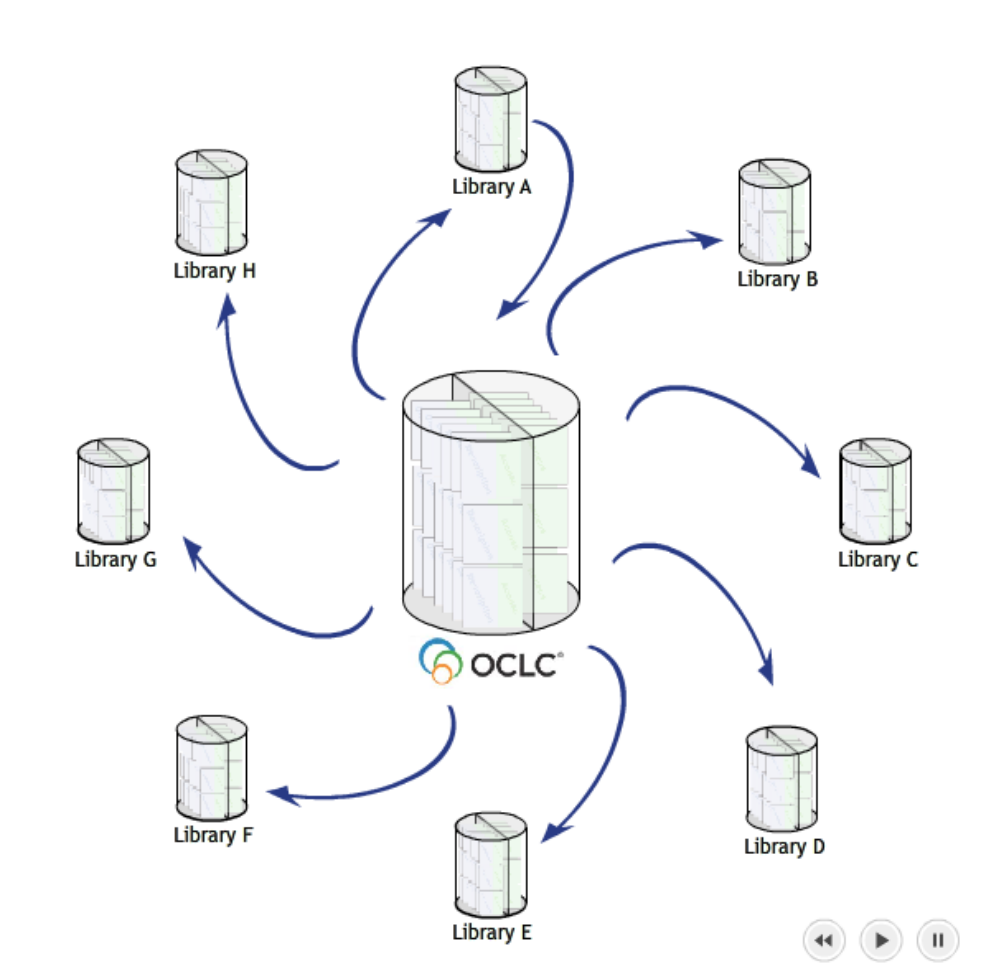
Boxed Data



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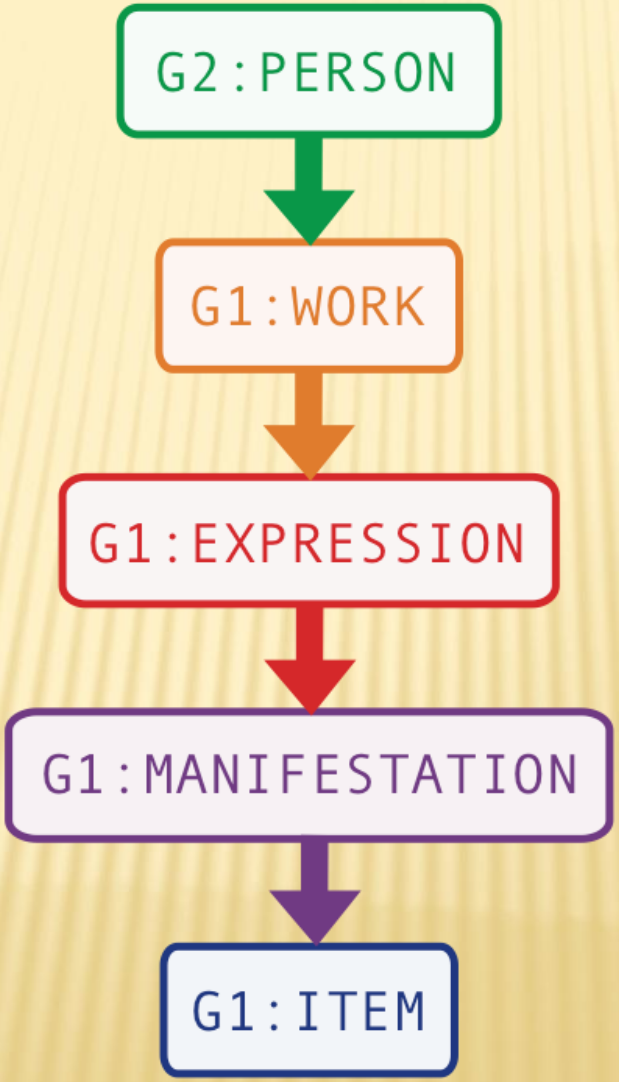

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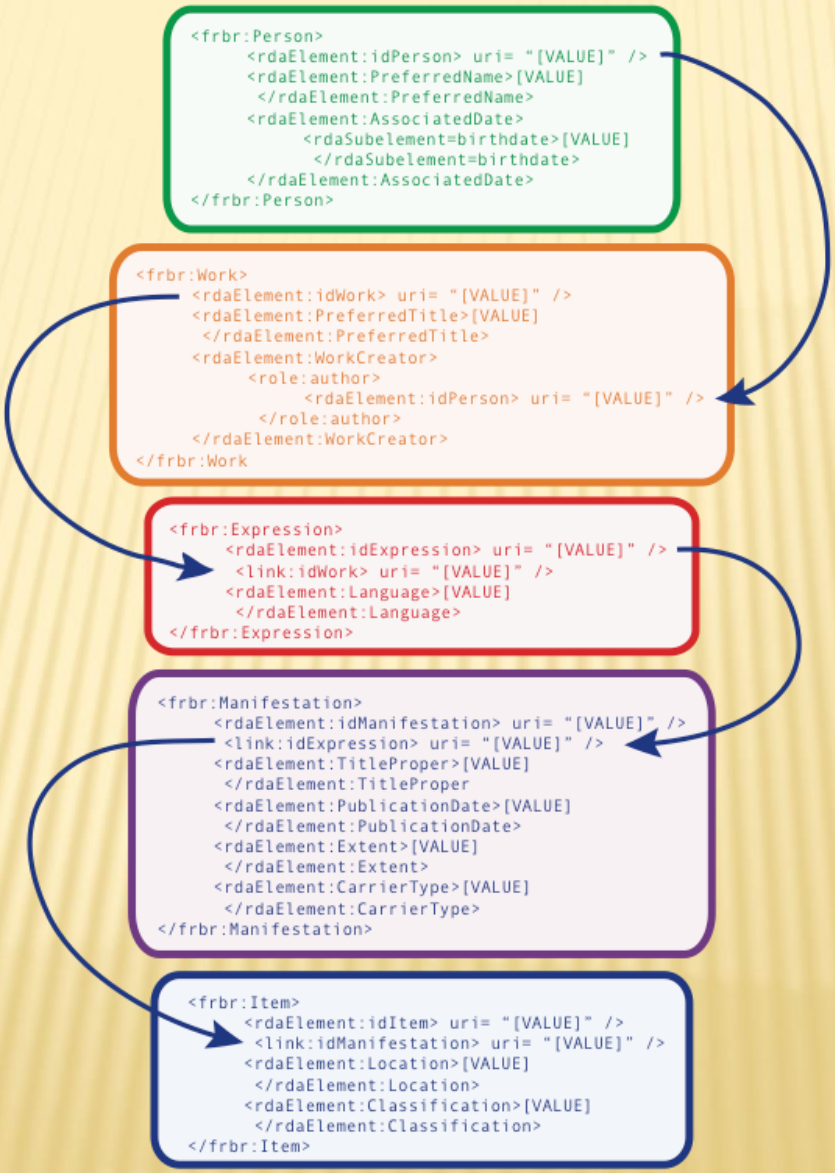

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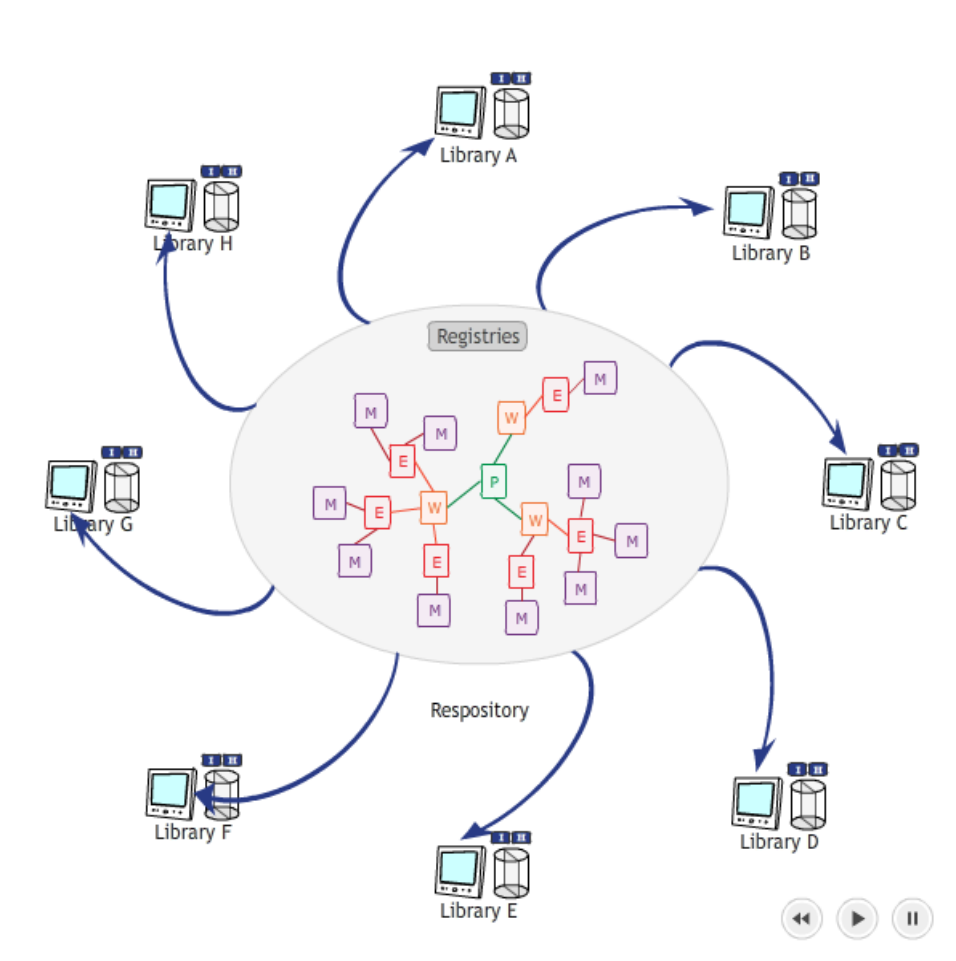
Linked Data



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Any questions?

Please don't hesitate to contact me!

Annie Glerum
Head of Complex Cataloging
FSU Libraries
aglerum@fsu.edu

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Bibliography

- Childress, Eric. Retrieval That Works: FRBR (Functional Requirements for Bibliographic Records) and OCLC. Presentation. SEALL 2006, Raleigh, NC, 8 April 2006.
- IFLA (International Federation of Library Associations and Institutions). Functional Requirements for Bibliographic Records: Final Report. 1998. http://www.ifla.org/files/cataloguing/frbr/frbr_2008.pdf
- Aalberg , Trond. Formats and FRBR Catalogues – Where's our focus? Presentation. Norway : NTNU and BIBSYS