

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

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Entity-Relationship Model

Entity

Attributes

Values

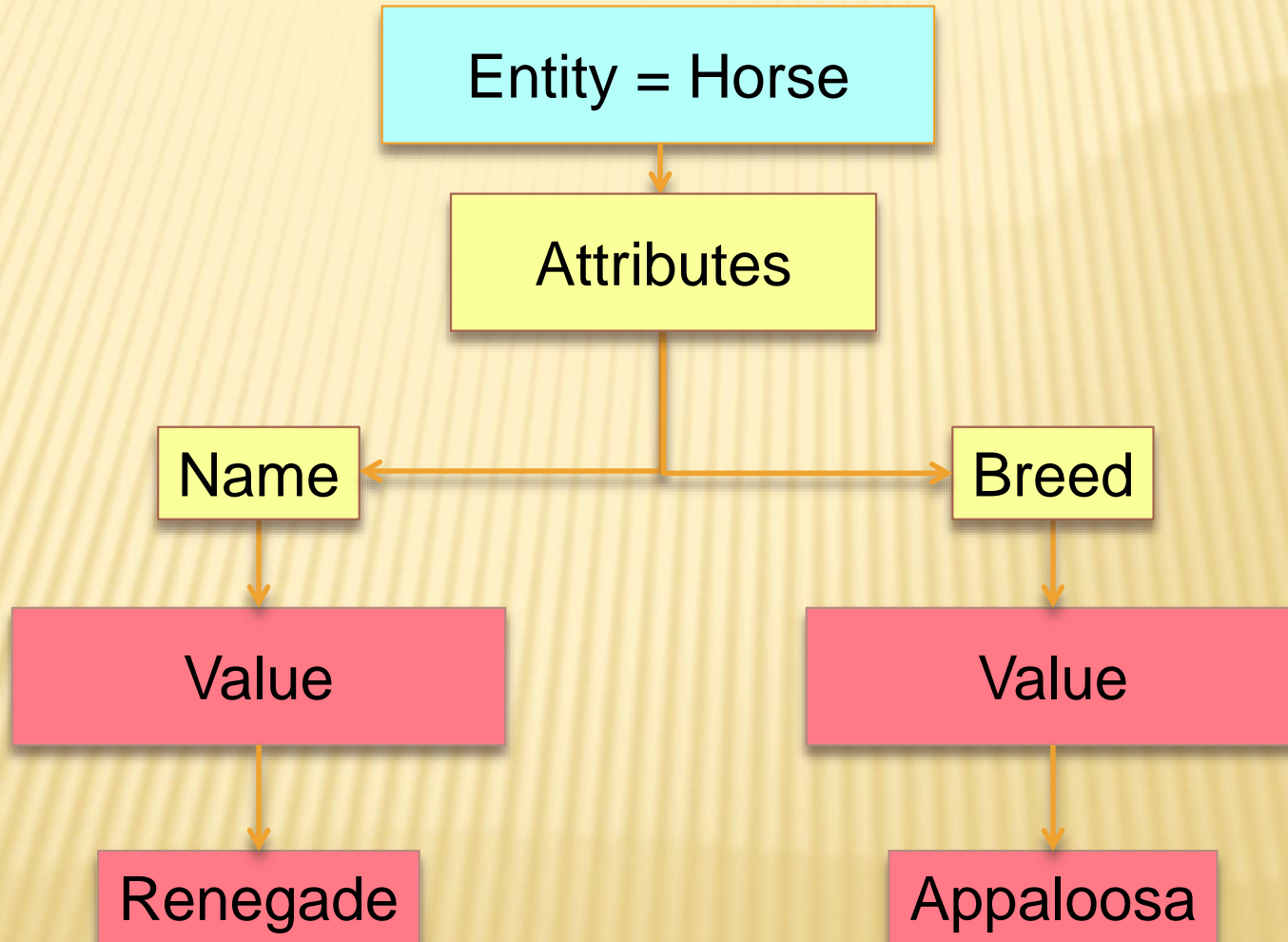
Expression

Item

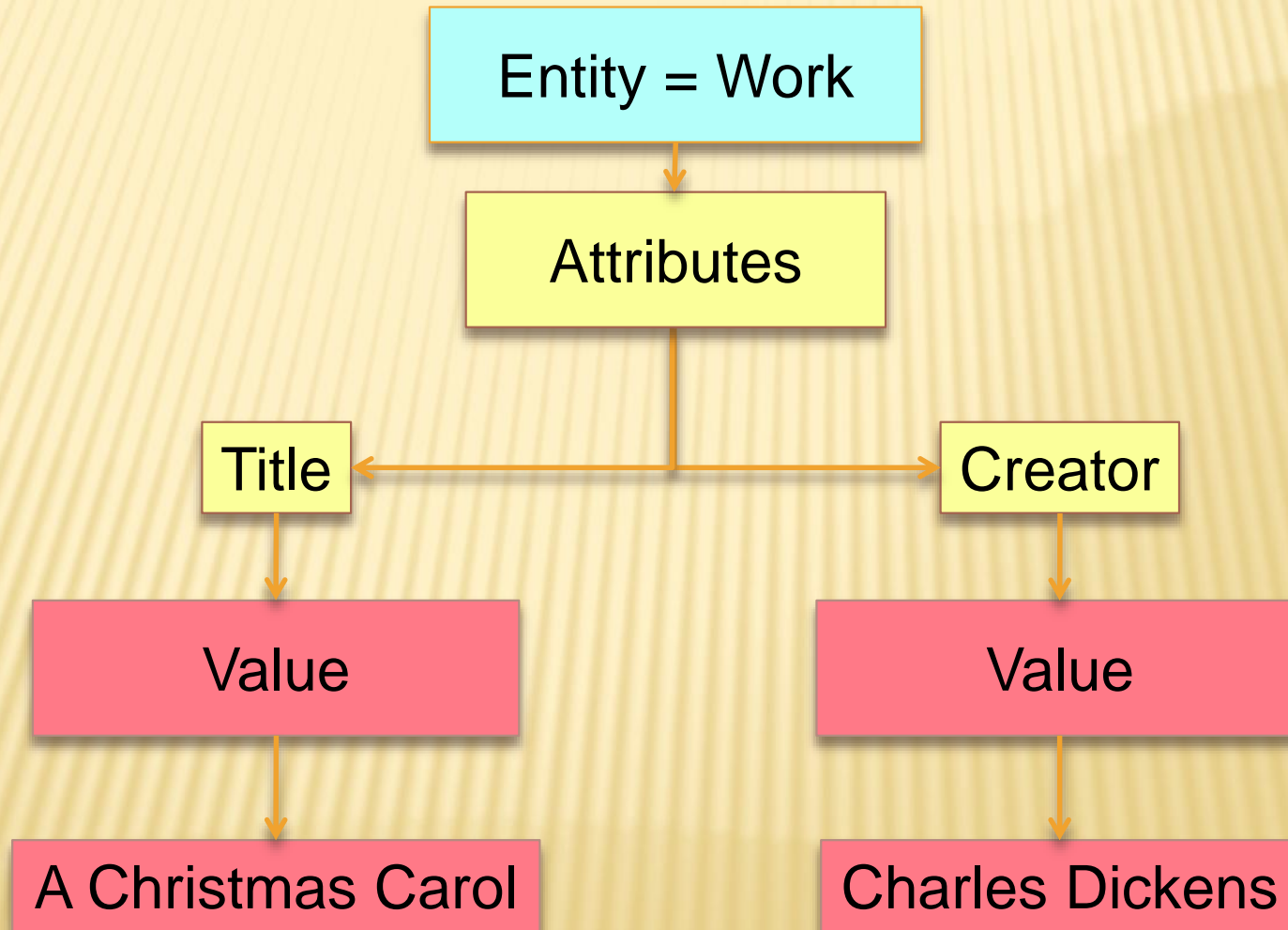
Work

Manifestation

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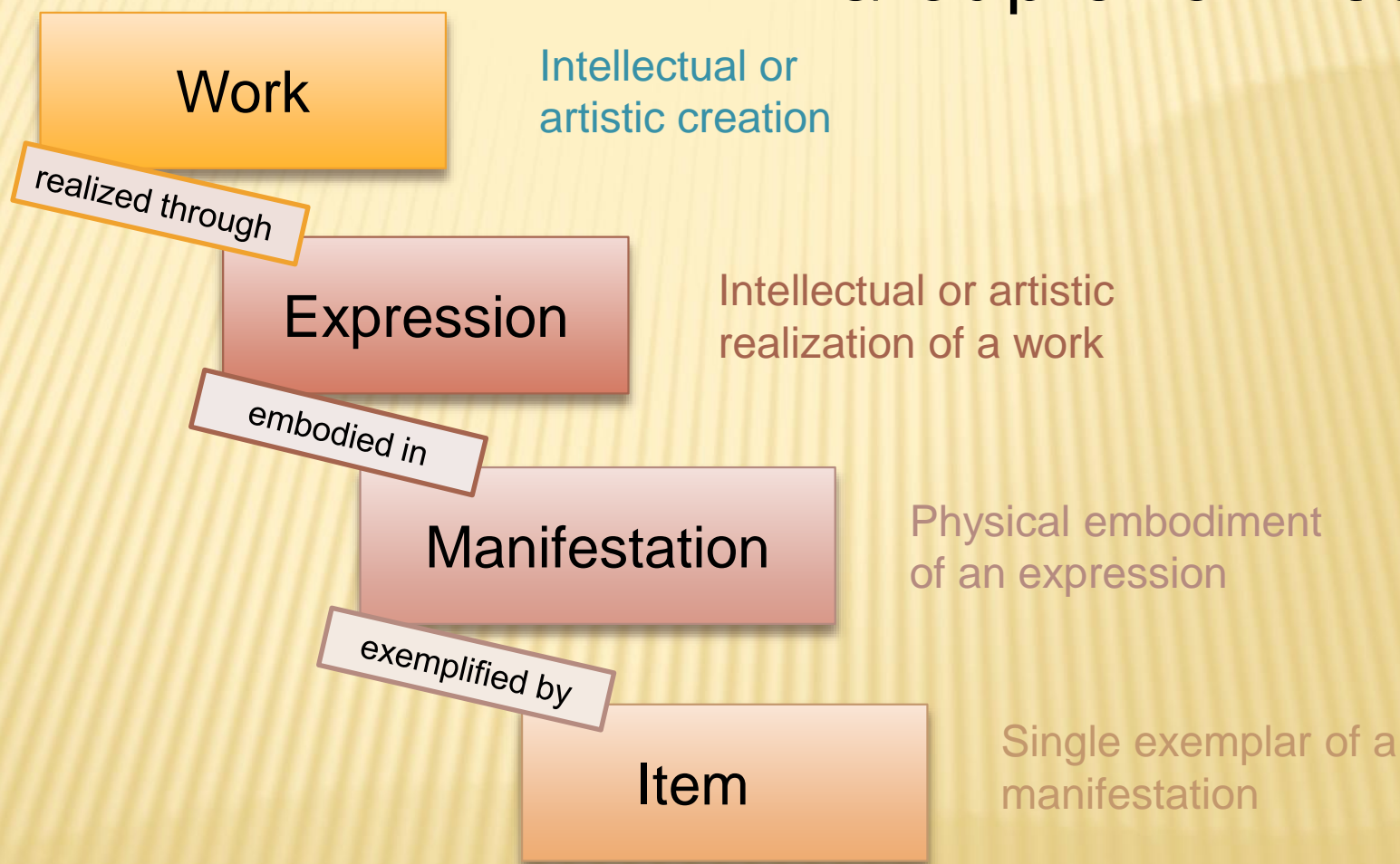


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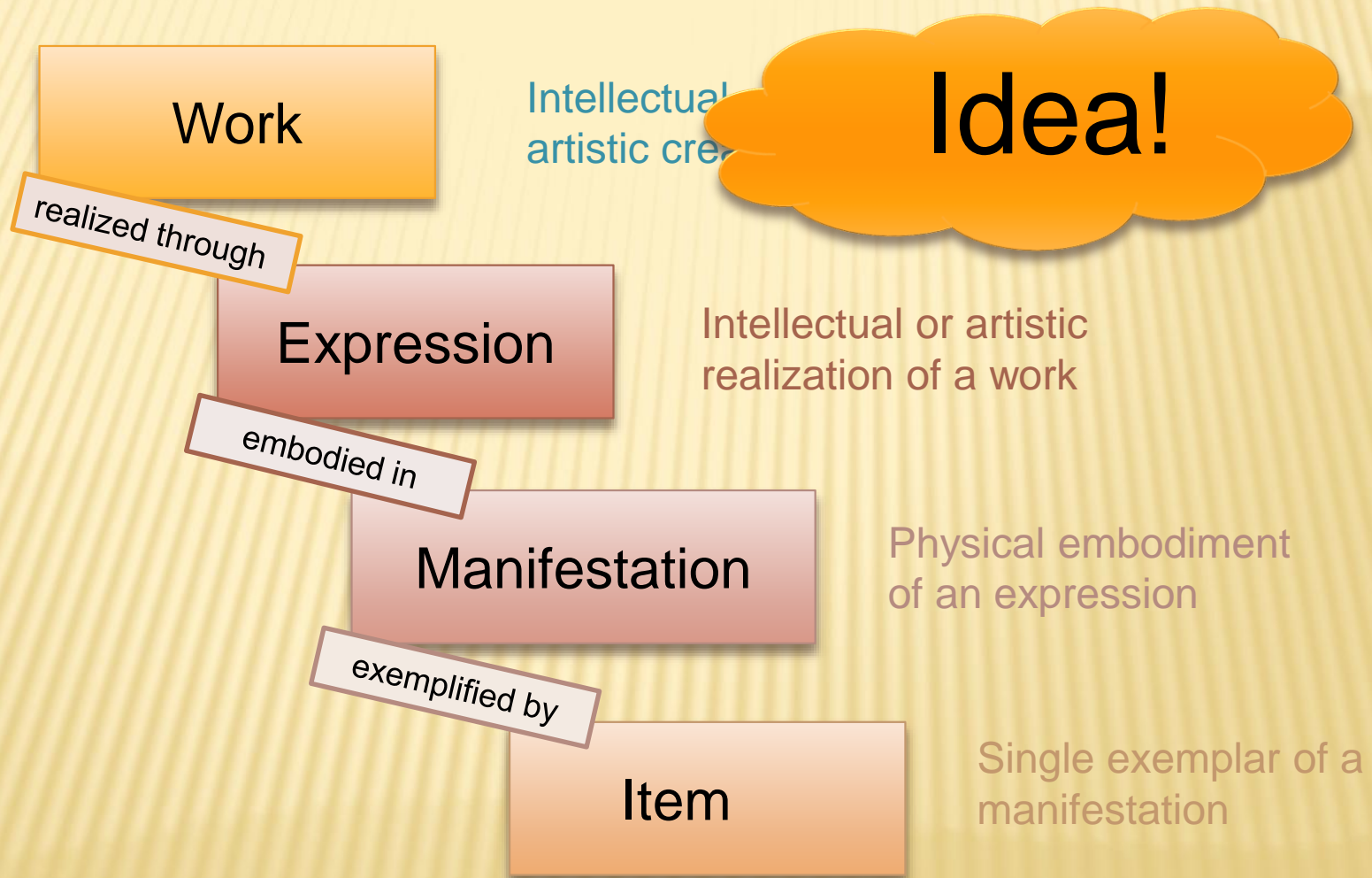


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Group One Entities



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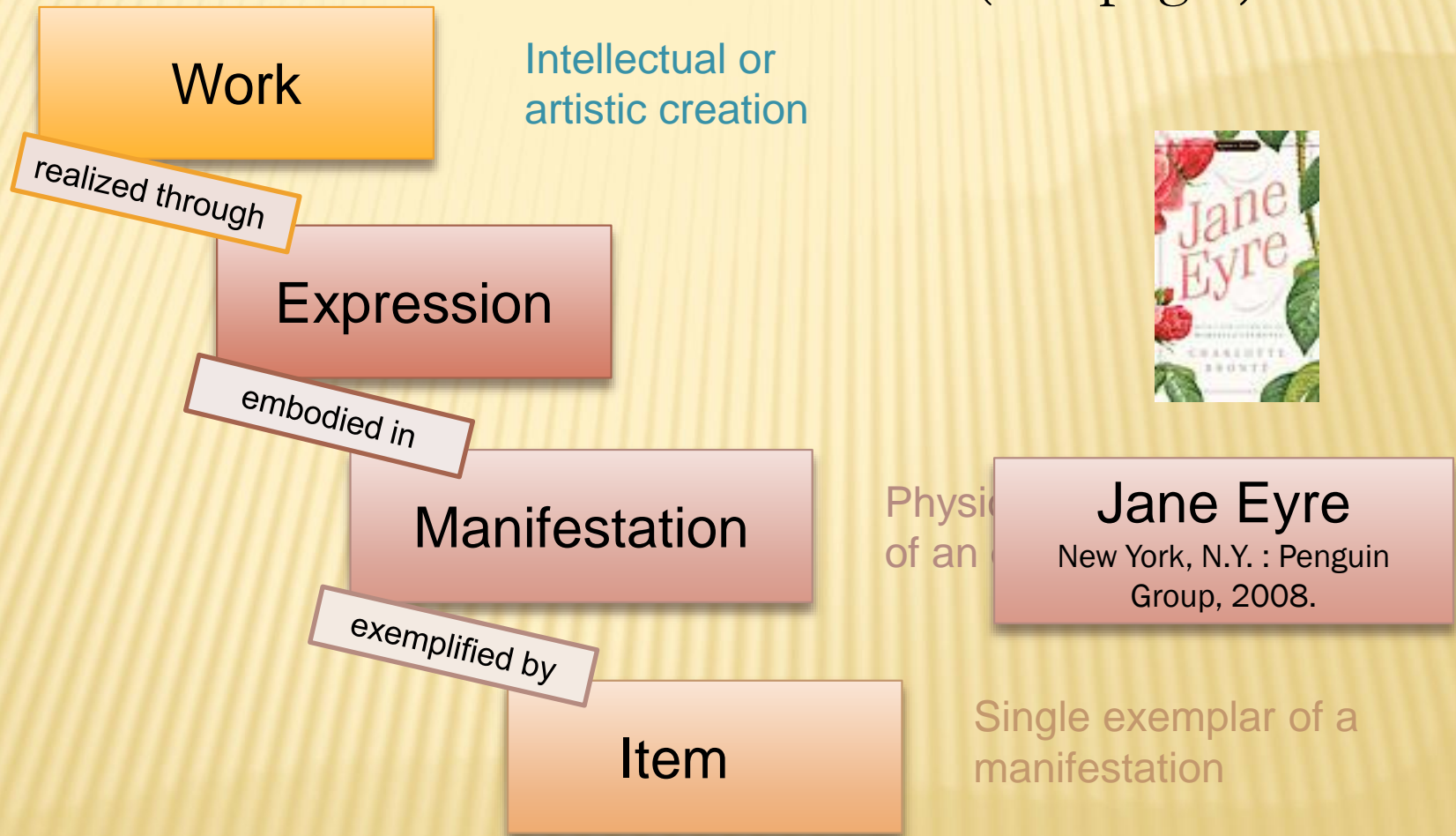


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Digital (PDF) : CD-ROM

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Work

Intellectual or artistic creation

realized through

Expression

Intellectual or artistic realization of a work

embodied in

Manifestation

Physical
of an

Jane Eyre

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

exemplified by

Item

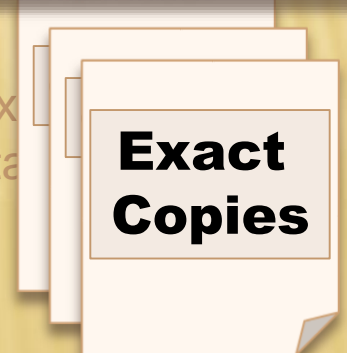
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Group Two Entities

Person

an individual

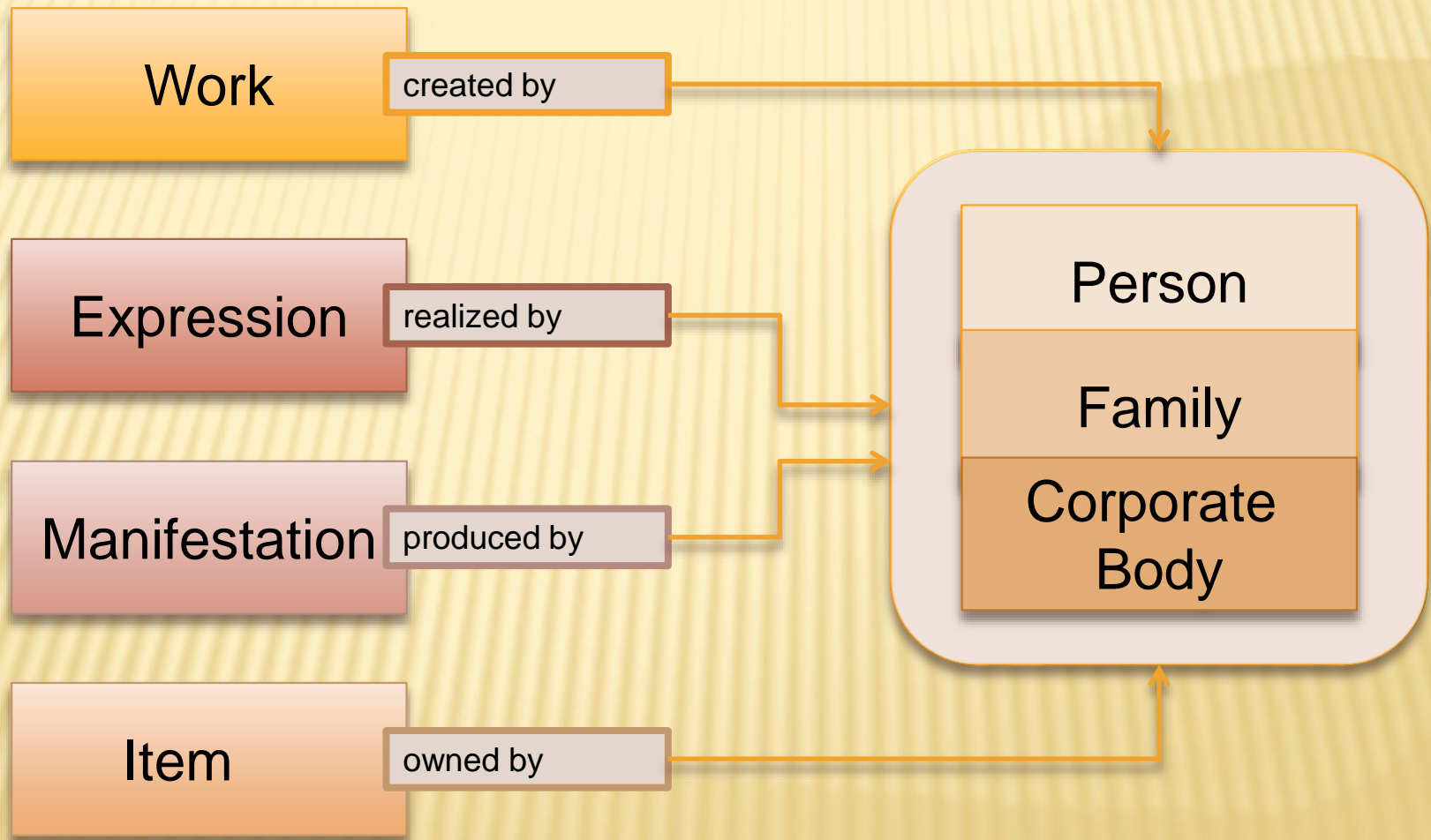
Family

A group of related
persons

Corporate
Body

an organization or group of
individuals and/or organizations

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Group Three Entities

Concept

an abstract notion
or idea

Object

a material thing

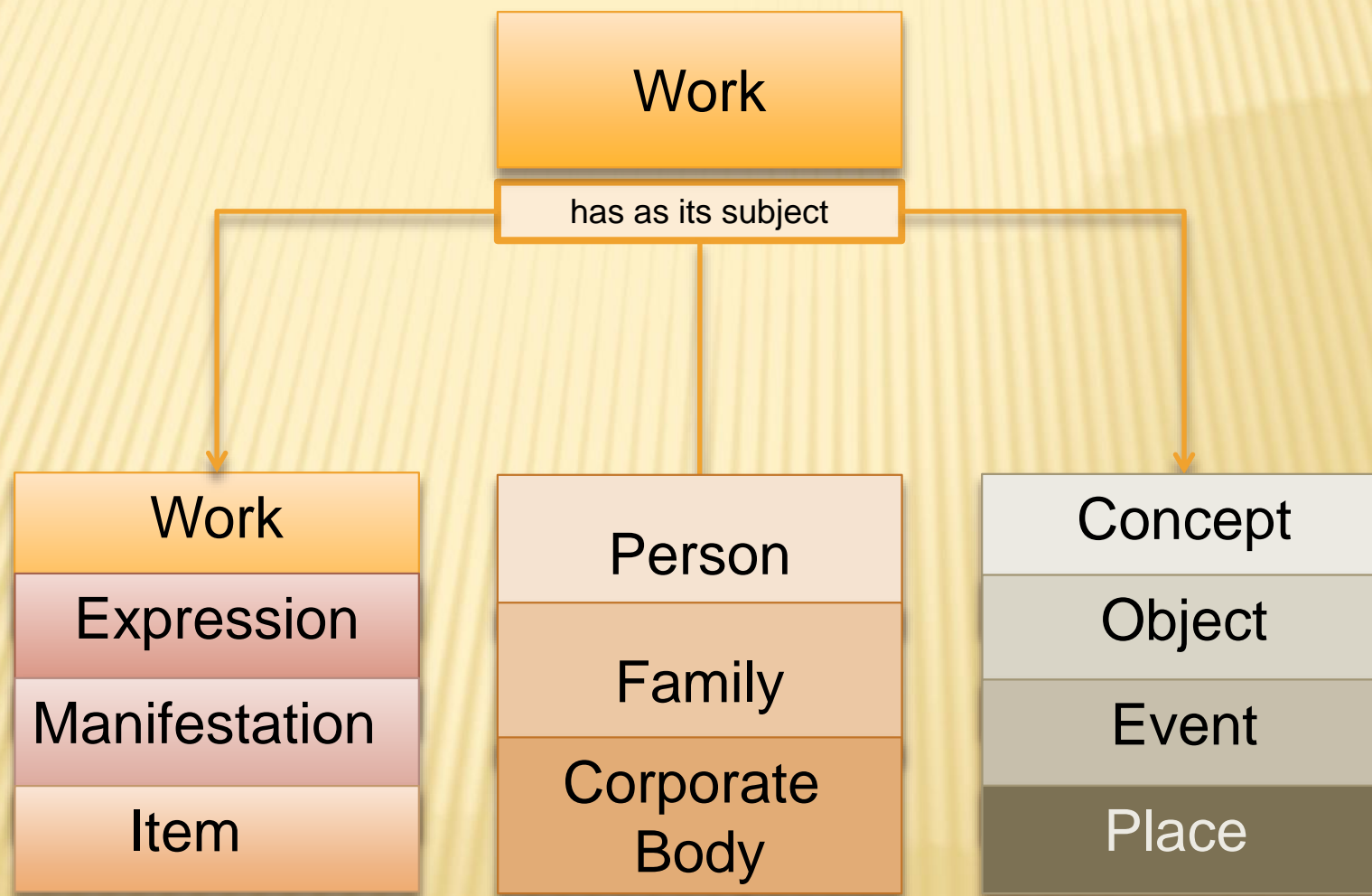
Event

an action or occurrence

Place

a location

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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

The Nature
and Future of
The Catalog:
Proceedings of the
ALA's Information Science
and Automation Division's
1975 and 1977 Institutes

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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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1. Title and Statement of responsibility	Personal names	Corporate names	Meeting names	
2. Edition statement				
3. Material specific designation				
4. Publication, etc.	Series titles	Uniform titles		
5. Physical description				
6. Series statement				
7. Notes	Topical	Geographic	Names	Titles
8. Numbers and terms of availability				

Names

Titles

Subjects

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245 \$a [Title] / \$c [Statement of responsibility]	100 [Name] 700 [Name]	110 [Corporate name] 710 [Corporate name]	111 [Meeting name] 711 [Meeting name]
250 \$a [Edition statement]			
245 \$h [Material specific designation]			
260 \$a [Publication place] : \$b [Publisher name], \$c [Publication date].	800 [Name/Series title] 810 [Corp. Name/ Series title] 830 [Series title]	130 [Uniform title] 730 [Uniform title]	
300 \$a [Extent] : \$b [Illustrative matter] ; \$c [Dimensions].			
490 \$a [Series statement]			
5xx \$a [Notes]. 546 \$a [Language note]. 504 \$a [Bibliography note]. 505 \$a [Contents note].	650 [Topical]	651 [Geographic]	600 [Name] 630 [Title]
0xx \$a [Numbers and coded data] 020 \$a [ISBN]			

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


Books Digital Collections Course Reserves

Basic Search Search begins with (browse) Advanced Search

Conversations with catalogers in the 21st Anywhere Search Start Over

Search: 'Conversations with catalogers in the 21st century' :

We found 6 matching items at FSU

Show 25 items that you can request statewide  (what's this?)

Did you mean [conversations with catalog in the 21st century?](#)

Narrow Results By:

Books in the library

Library/Collection

- STROZIER LIBRARY (5)
- GOLDSTEIN LIBRARY (1)

[show more...](#)

Series Title

- Libraries Unlimited library management collection (1)

Subject: Topic


- Art, Modern (2)
- History (2)
- Art, American (1)

[show more...](#)

Author

- Ahuja, Sunil (1)
- Balkema, Annette W. (1)
- Blauvelt, Andrew 1964- (1)

[show more...](#)

 My Folder is empty [Add All](#)

Results/page: 10 Sort By: Relevance



1. Conversations with catalogers in the 21st century

Elaine R. Sanchez, editor ; foreword by Michael Gorman.

Published: Santa Barbara, California : Libraries Unlimited, [2011], ©2011.

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"--



book

GOLDSTEIN LIBRARY Professional

Z693 .C65 2011

Due 1/4/12 10 PM
Place a Hold

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2. Unser Jahrhundert : ein Gespräch

Helmut Schmidt, Fritz Stern.

Author: Schmidt, Helmut 1918 Dec. 23-

Published: München : C.H. Beck, c2010.

Summary: "'Get Started, Fritz"- this sentence begins a conversation with friends...see more

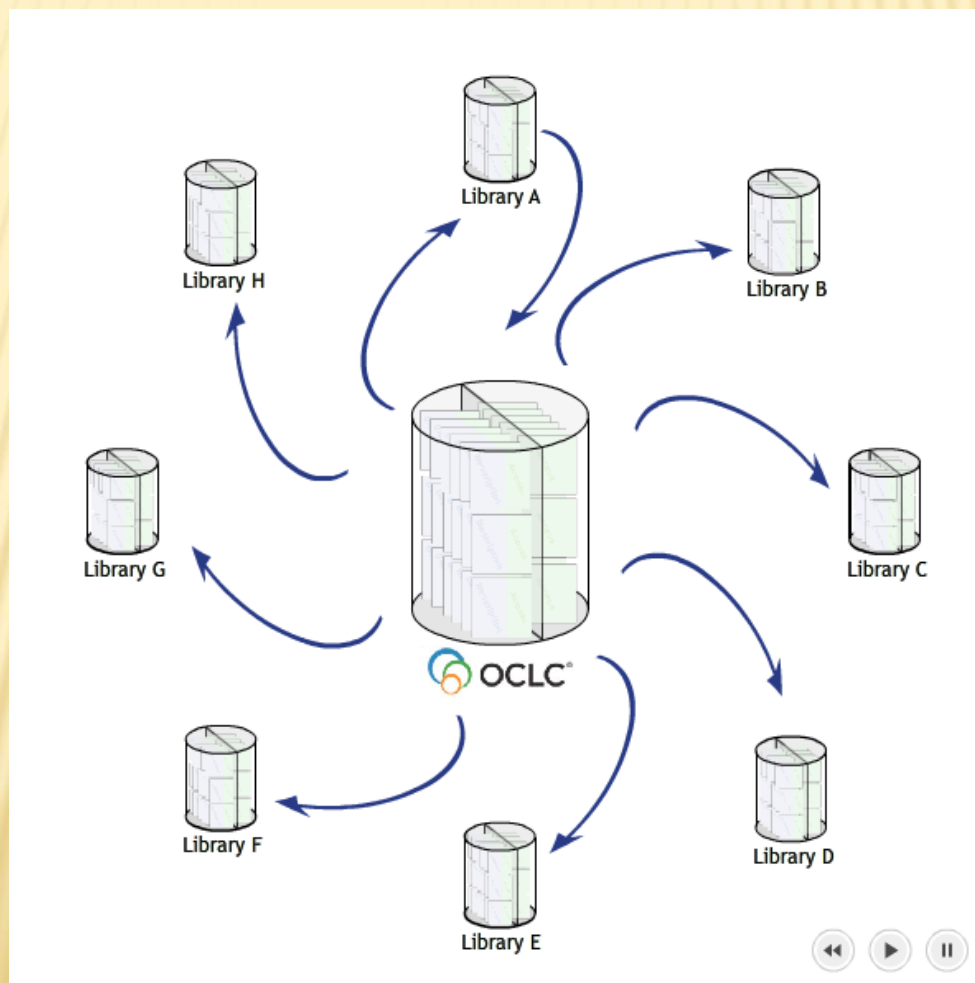


book

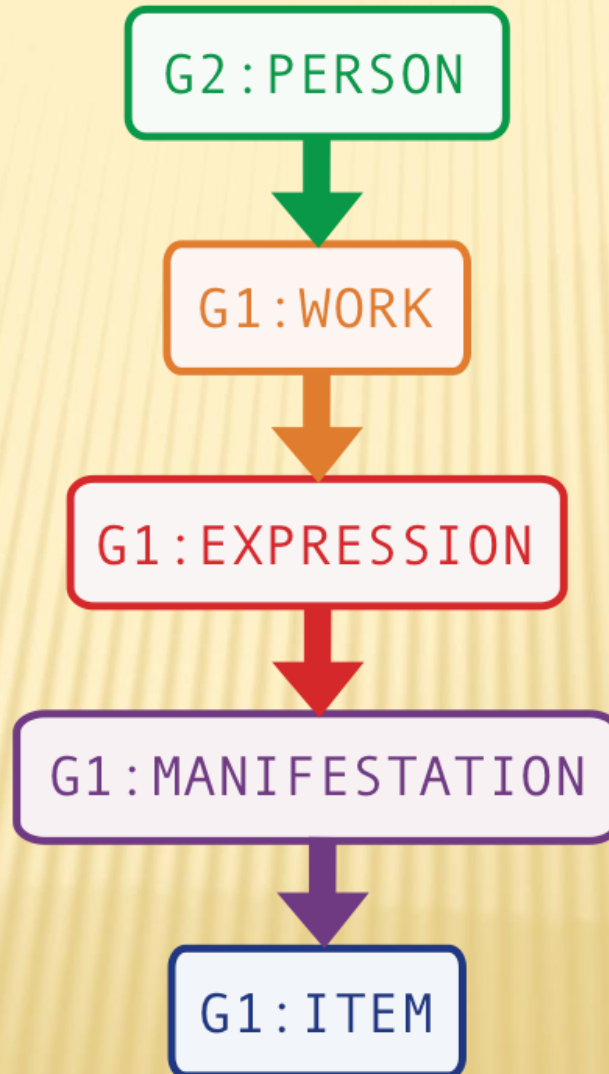


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Boxed Data



RDA'S IMPACT ON SEARCHING & DISPLAY



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```
<frbr:Person>
  <rdaElement:idPerson uri= "[VALUE]" />
  <rdaElement:PreferredName>[VALUE]
</rdaElement:PreferredName>
  <rdaElement:AssociatedDate>
    <rdaSubelement:birthdate>[VALUE]
  </rdaSubelement:birthdate>
  </rdaElement:AssociatedDate>
</frbr:Person>
```

```
<frbr:Work>
  <rdaElement:idWork uri= "[VALUE]" />
  <rdaElement:PreferredTitle>[VALUE]
</rdaElement:PreferredTitle>
  <rdaElement:WorkCreator>
    <role:author>
      <rdaElement:idPerson uri= "[VALUE]" />
    </role:author>
  </rdaElement:WorkCreator>
</frbr:Work>
```

```
<frbr:Expression>
  <rdaElement:idExpression uri= "[VALUE]" />
  <link:idWork uri= "[VALUE]" />
  <rdaElement:Language>[VALUE]
</rdaElement:Language>
</frbr:Expression>
```

```
<frbr:Manifestation>
  <rdaElement:idManifestation uri= "[VALUE]" />
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  <rdaElement:TitleProper>[VALUE]
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  <rdaElement:PublicationDate>[VALUE]
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```

```
<frbr:Item>
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</rdaElement:Location>
  <rdaElement:Classification>[VALUE]
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```

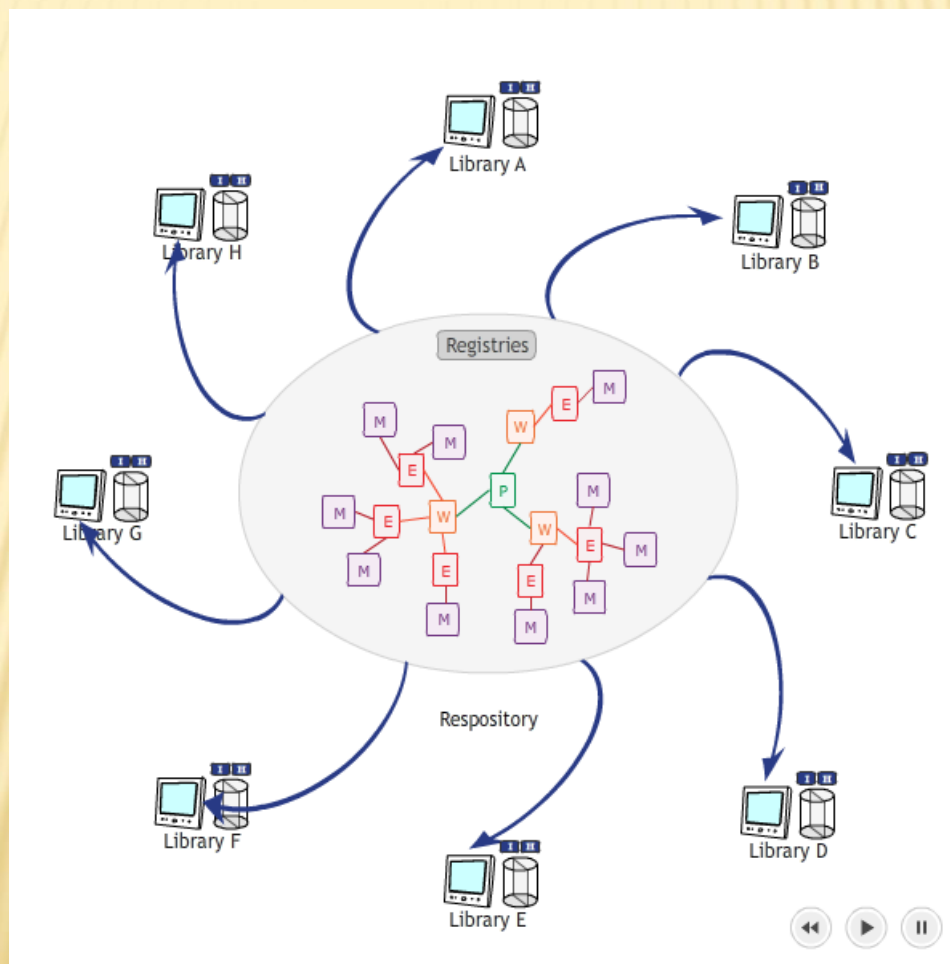
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```
<frbr:Person>  
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  </rdaElement:PreferredName>  
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    <rdaSubelement=birthdate>[VALUE]  
    </rdaSubelement=birthdate>  
  </rdaElement:AssociatedDate>  
</frbr:Person>
```

```
<frbr:Work>  
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  <rdaElement:PreferredTitle>[VALUE]  
  </rdaElement:PreferredTitle>  
  <rdaElement:WorkCreator>  
    <role:author>  
      <rdaElement:idPerson uri= "[VALUE]" />  
    </role:author>  
  </rdaElement:WorkCreator>  
</frbr:Work>
```

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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