

NISO/DCMI Webinar
February, 2012
Karen Coyle



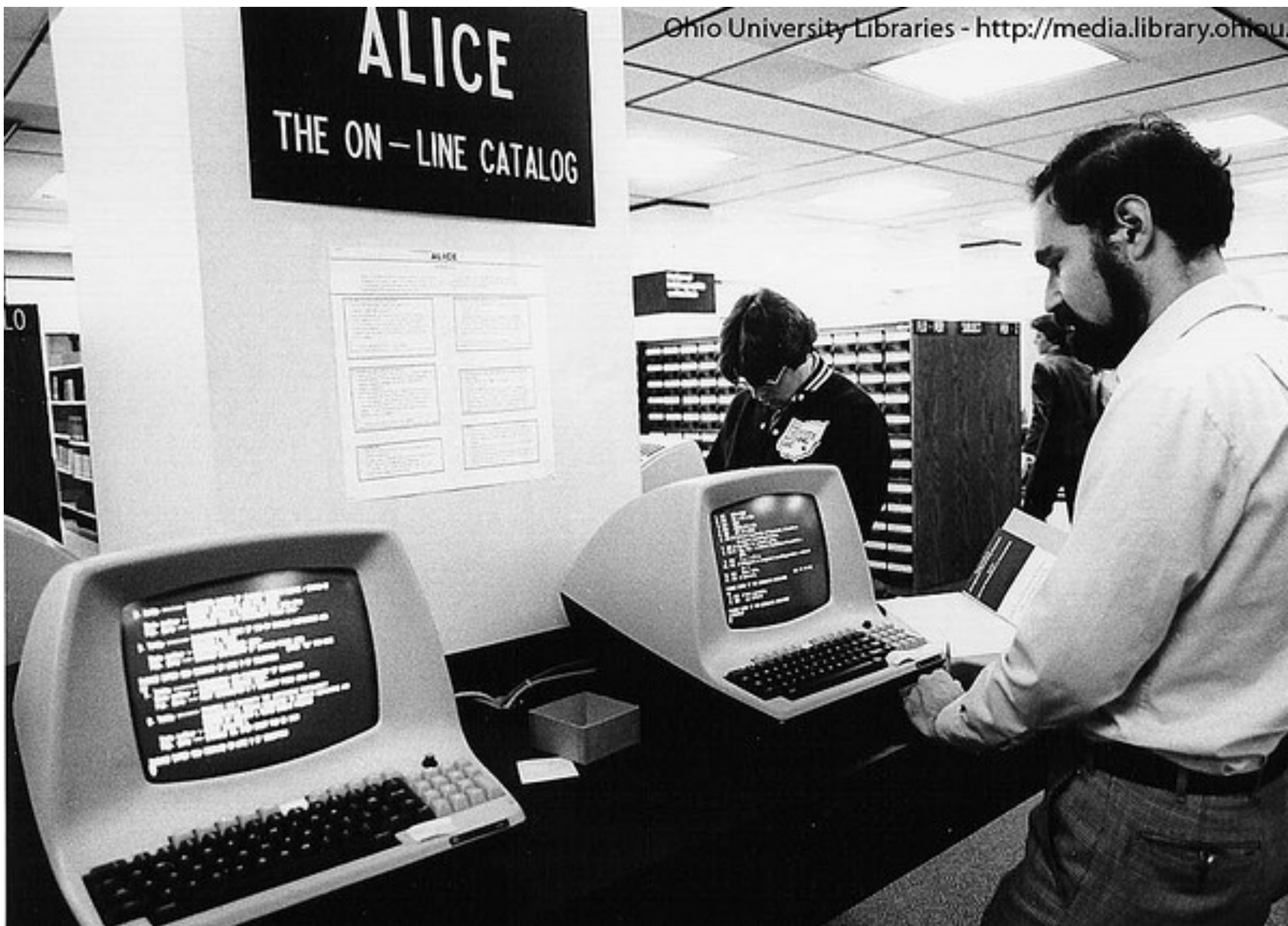
From Here to There

Here

ALICE

THE ON-LINE CATALOG

Ohio University Libraries - <http://media.library.ohiou.edu/>



N.Y.S.P.I.

W **Mack, Raymond W**
2 The occasion instant; the structure of social responses to
N213d unanticipated air raid warnings, by Raymond W. Mack
no.15 and, George W. Baker. Foreword by Robin M. Williams,
1961 Jr. Washington, National Academy of Sciences-National
 Research Council, 1961.
 xv, 69 p. 25 cm. (National Research Council, Disaster Research
 Group. Disaster study, no. 15)
 National Research Council. Publication 945.

LC control no.: 61064605

LCCN permalink: <http://lccn.loc.gov/61064605>

Type of material: Book (Print, Microform, Electronic, etc.)

Personal name: [Mack, Raymond W.](#)

Main title: The occasion instant : the structure of social responses to unanticipated air raid warnings / by Raymond W. Mack, George W. Baker ; Foreword by Robin M. Williams, Jr.

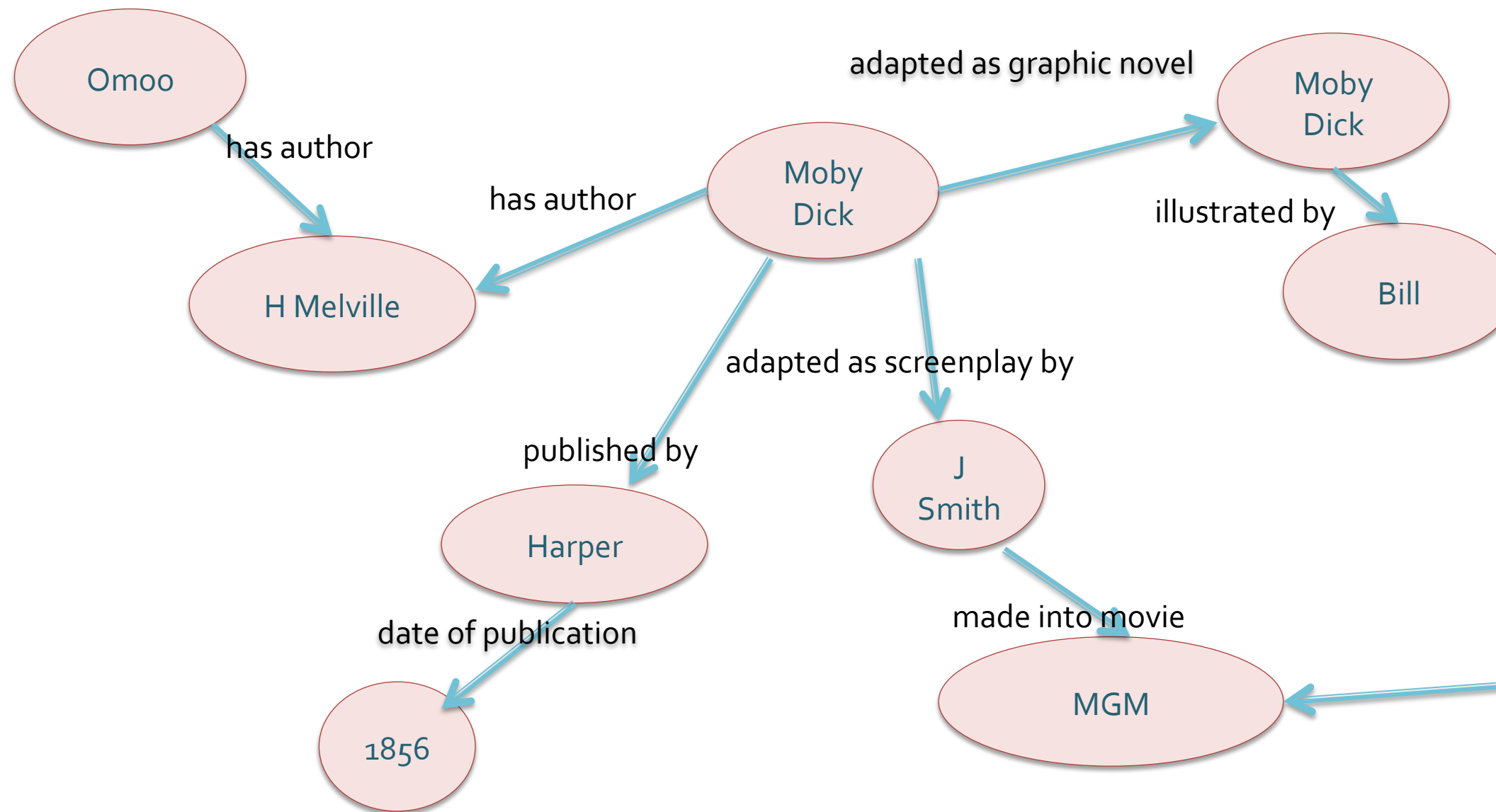
Published/Created: Washington, National Academy of Sciences-National Research Council, 1961.

Description: xv, 69 p. ; 25 cm.

Links: [Table of contents](#)

CALL NUMBER: [UA927 .M23](#)

There





LINKED DATA

- ★ On the web, open license
- ★ Machine-readable data
- ★ Non-proprietary format
- ★ RDF standards
- ★ Linked RDF

IS YOUR DATA 5 ★ ?

Linked Data

★ Data, not text

★ ★ Identifiers for things

★ ★ ★ Statements, not records

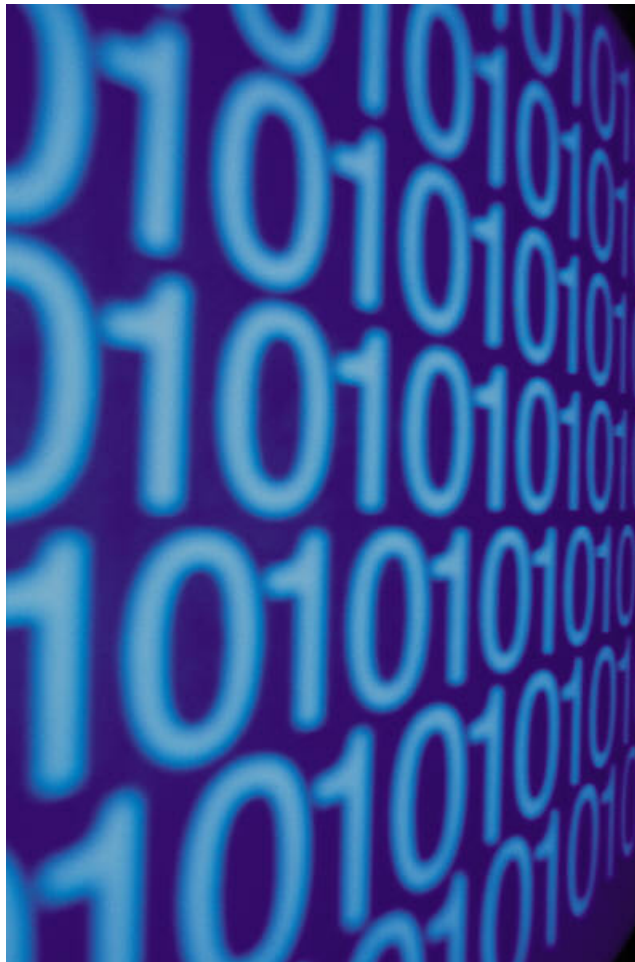
★ ★ ★ ★ Machine-readable schema

★ ★ ★ ★ ★ Machine-readable lists

★ ★ ★ ★ ★ + Open access on the Web

Data

Data



Text

It is a Law of Nature with us that side than his father, so that each generation in the scale of development and not is a Pentagon; the son of a Pentagon,

But this rule applies not always often to the Soldiers, and to the Workers said to deserve the name of human Frisides equal. With them therefore the and the son of an Isosceles (*i.e.* a Triangle Isosceles still. Nevertheless, all hope Isosceles, that his posterity may uphold condition. For, after a long series of and skilful labours, it is generally found the Artisan and Soldier classes manifest or base, and a shrinkage of the two other by the Priests) between the sons and members of the lower classes generating still more to the type of the

Data

- Machine-readable
- Machine-actionable
- Computable

Text

- Human readable
- Natural language
- Ambiguous

TEXT

- 020 \$a 0439064864 (hardcover)
- Concertos (Violin)
Concertos (Violins (2))
- 300 \$c 23 cm.

DATA

- ISBN:0439064864
- instrument: [violin]
number: 1
instrument: [violin]
number: 2
- height: 23
unit: [centimeters]

The Physical Object

What sort of book is it? Paperback; Hardcover, etc.

How many pages?

Pagination? Note the highest number in each pagination pattern.

For example: *xii, 346p.*

How much does the book weigh?

☒ grams ☐ kilos ☐ ounces ☐ pounds

Dimensions



Height:

Width:

Depth:

☐ centimeters ☒ inches

Data IS the information

008 711222s1961 dcu b 000 0 eng

260 __ \$a Washington, \$b National
Academy of Sciences-National Research
Council, \$c 1961.

Identifiers

dog =



dog =



Identifiers must be precise



IDa87nn3



66.ah.773m

Identifiers don't change

Smith, John, 1946-

Smith, John, 1946-2006

Change the identifier, change the identity

Internationalization (i18n)

dog (lang=en)

hund (lang=de)

perro (lang=sp)

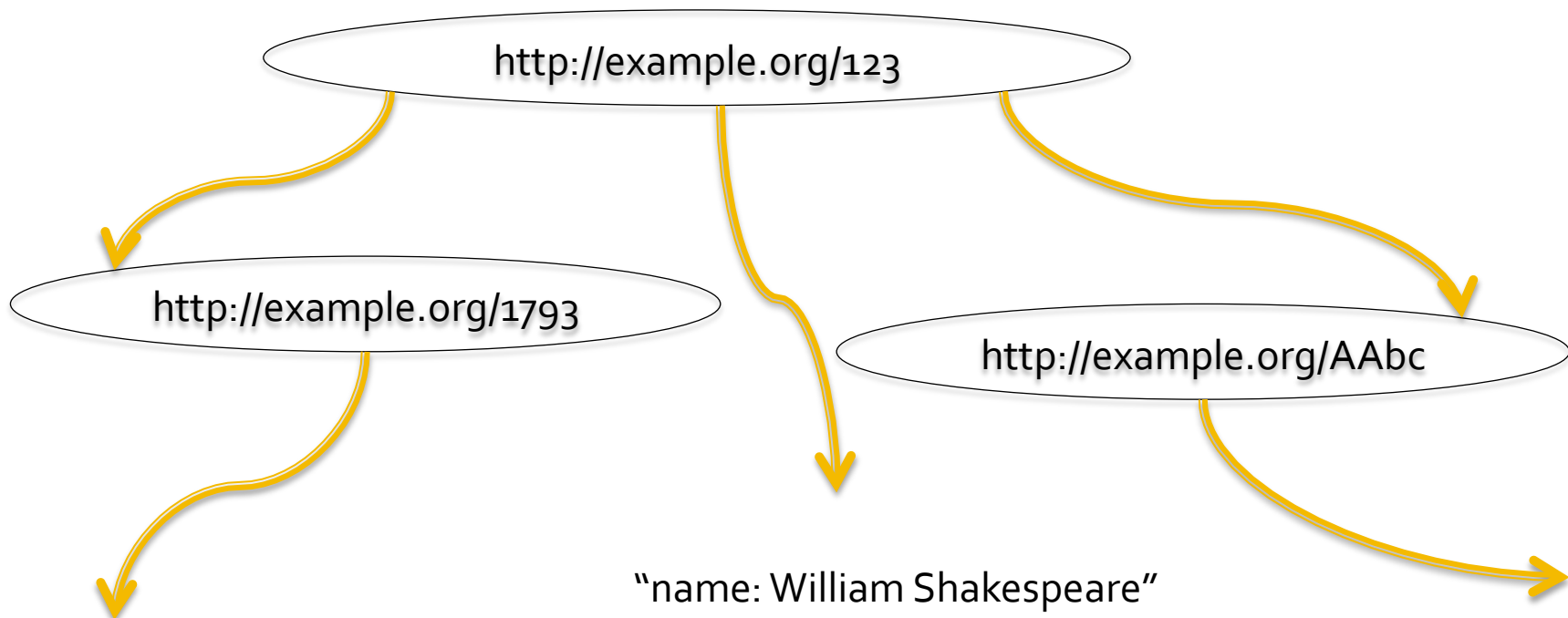
chien (lang=fr)



IDa87nn3

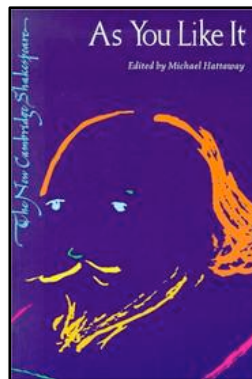
Strings are endpoints

Things can connect to other things



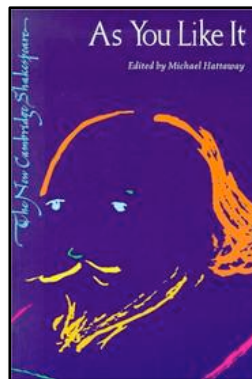
Statements

A record



ja 822.3/3 |2 22
001 |a Shakespeare, William, |d 1564-1616.
24510 |a As you like it / |c edited by Michael Hattaway.
250 |a Updated ed.
260 |a Cambridge, UK ; |a New York : |b Cambridge University Press, |c 2009.
300 |a xv, 240 p. : |b ill. ; |c 24 cm.
4901 |a New Cambridge Shakespeare
504 |a Includes bibliographical references (p. 240).
5050 |a Introduction. Journeys ; Plays within the play ; Theatrical genres ; Pastoral ; Counter-pastoral ; The condition of the country ; Politics ; 'Between you and the women the play must please' ; Gender ; Nuptials ; Sources ; Date and occasion ; Stage history ; Recent critical and stage interpretations -- Note on the text -- List of characters -- The play -- Textual analysis -- Appendixes : 1. An early court performance? ; 2. Extracts from Shakespeare's principal source, Lodge's *Rosalind* ; 3. The songs.
650 0 |a Fathers and daughters |v Drama.
650 0 |a Exiles |v Drama.
60010 |a Shakespeare, William, |d 1564-1616. |t As you like it.
57 |a Pastoral drama. |2 gsafd

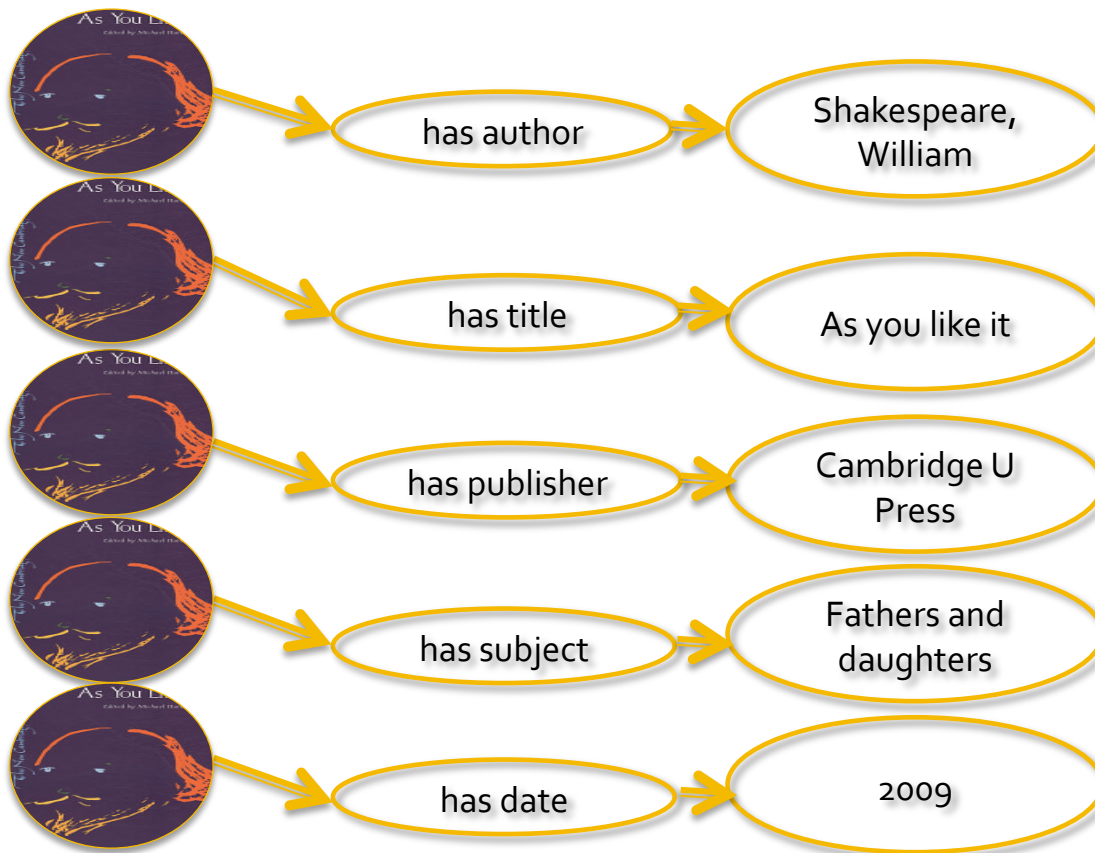
A record



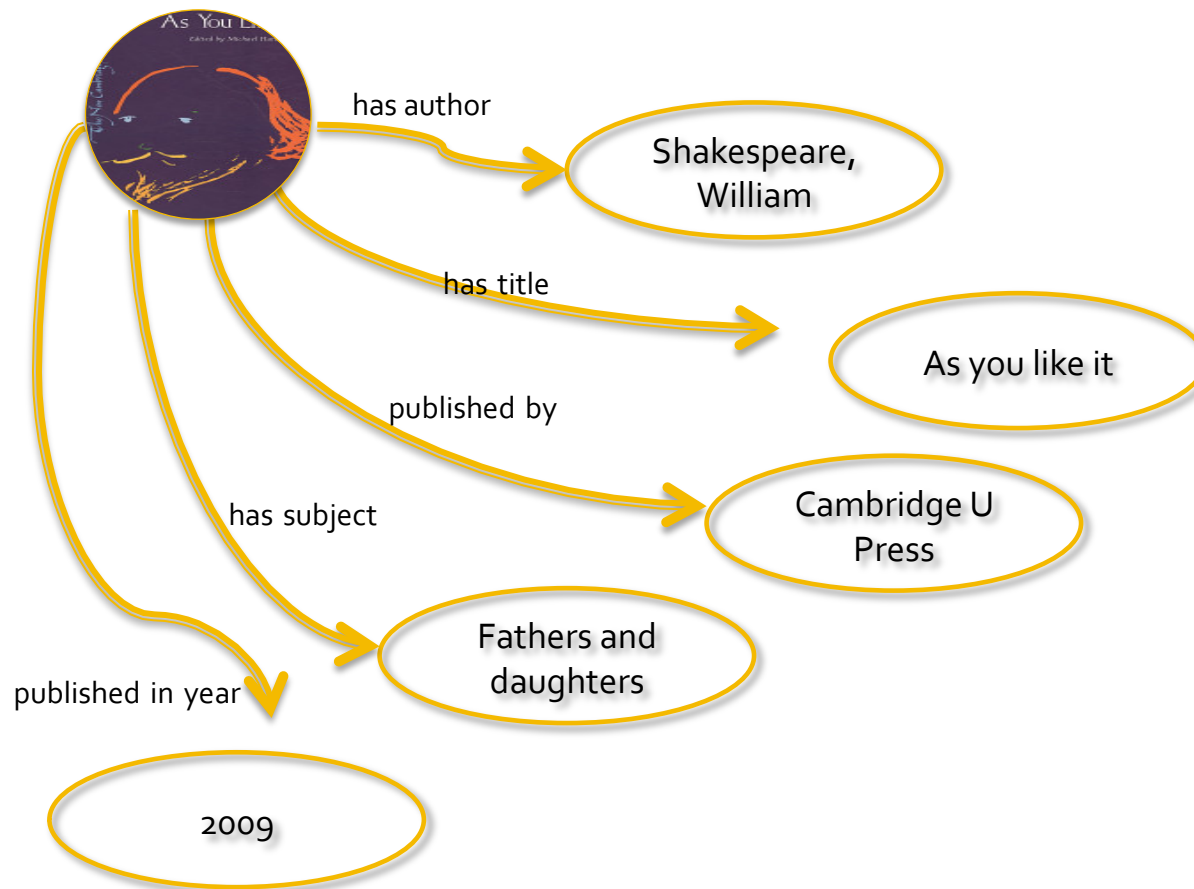
001 |a 822.3/3 |2 22
24510 |a As you like it / |c edited by Michael Hattaway.
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260 |a Cambridge, UK ; |a New York : |b Cambridge University Press, |c 2009.
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100 \$a Shakespeare, William

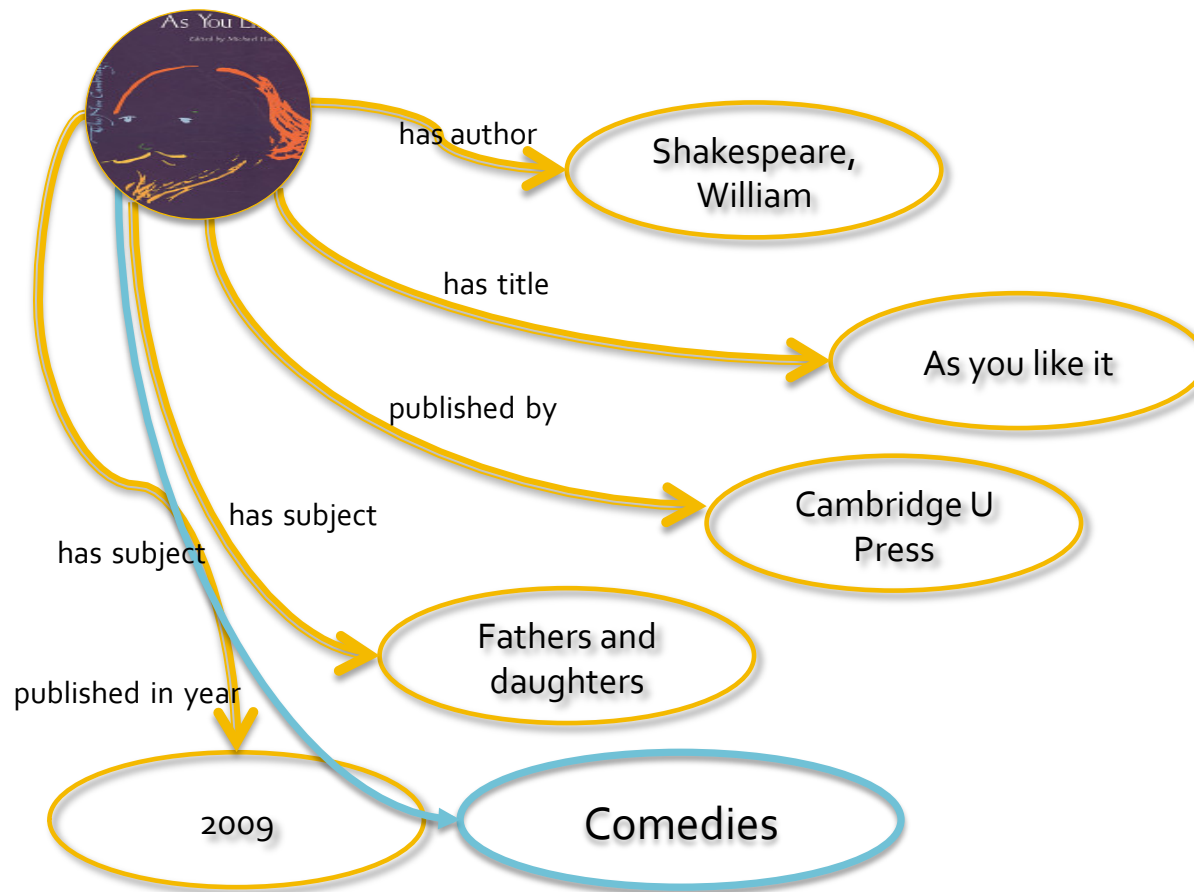
Statements



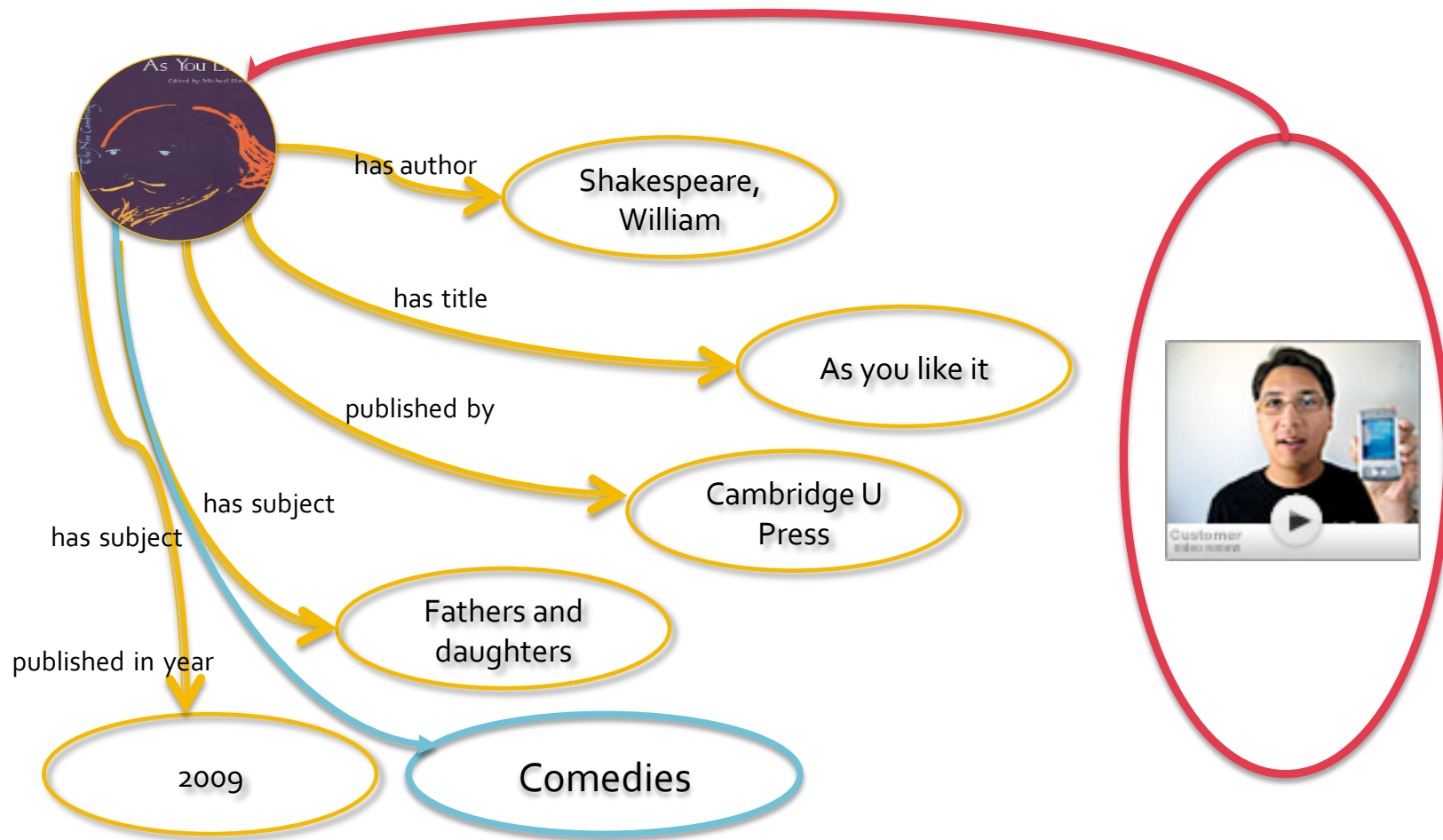
Graphs



Advantages: flexibility



Advantages: flexibility

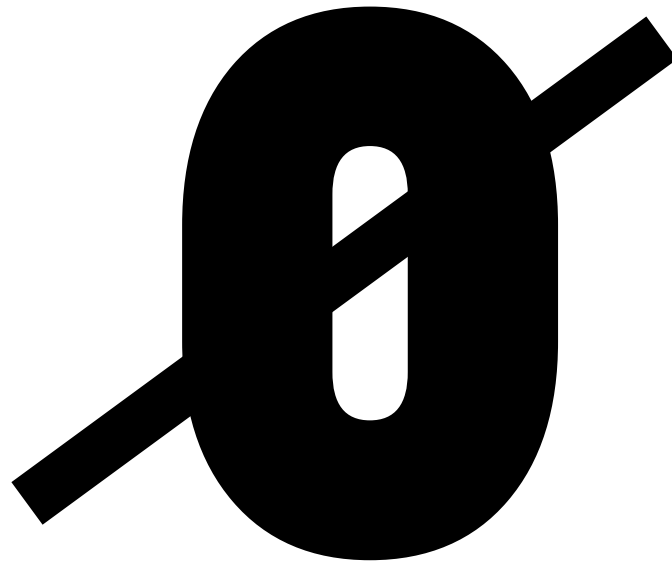


Entities/properties

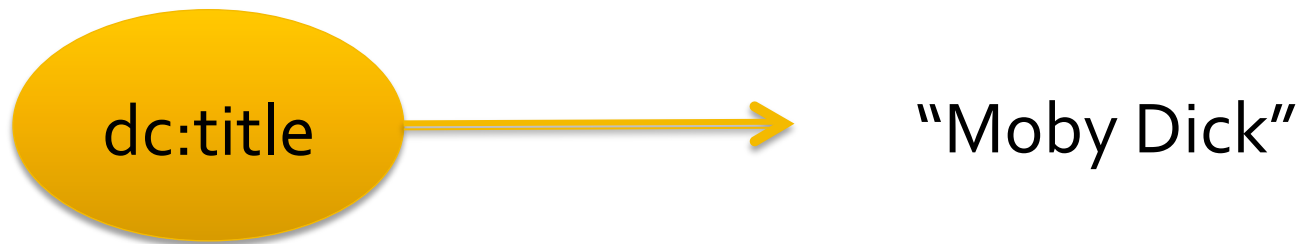
What are the things in our metadata?

- people, corporate bodies, families
- places (as subjects, as locations, and other)
- events (conferences, legislative actions)
- topics (classification, subject headings)
- resources (books, sound recordings; works, expressions)
- physical formats, extents
- ...

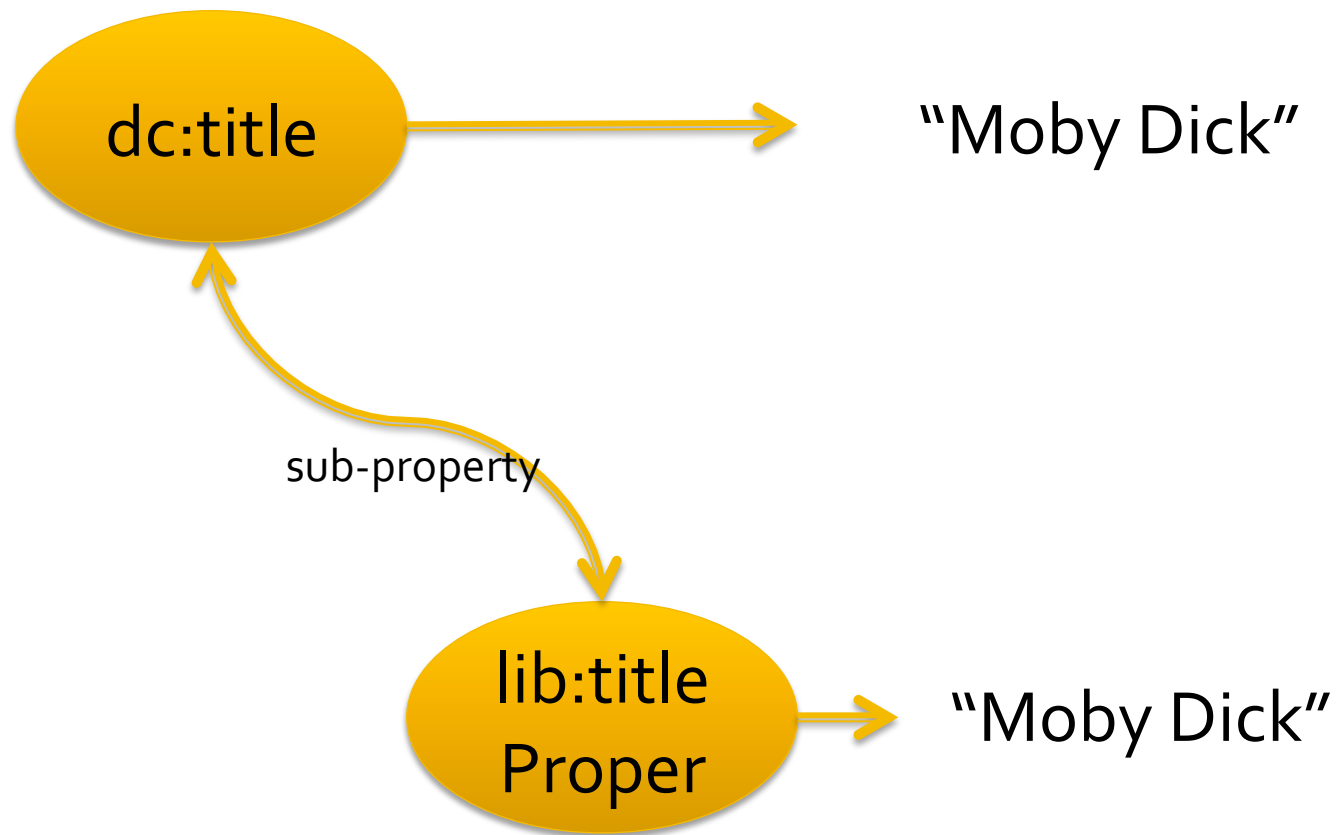
How many are unique to library data?



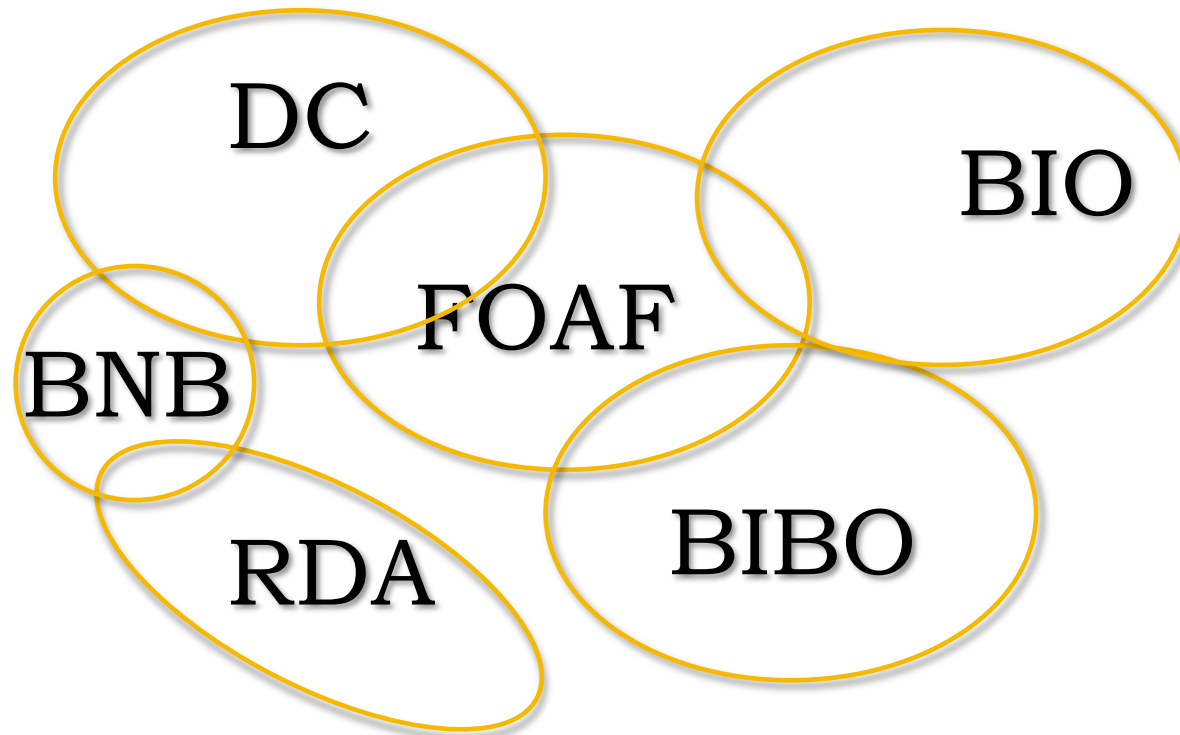
Properties and linking



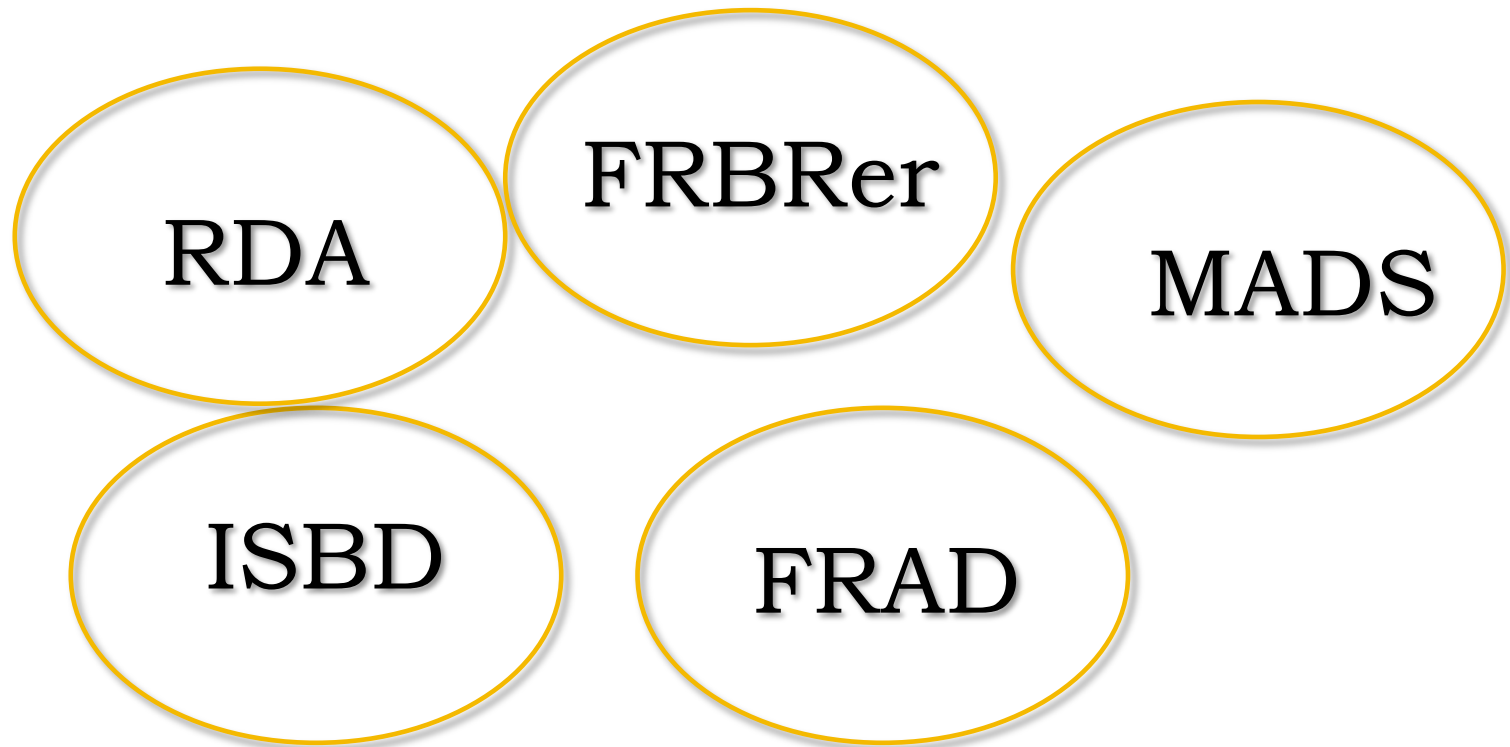
Properties and linking



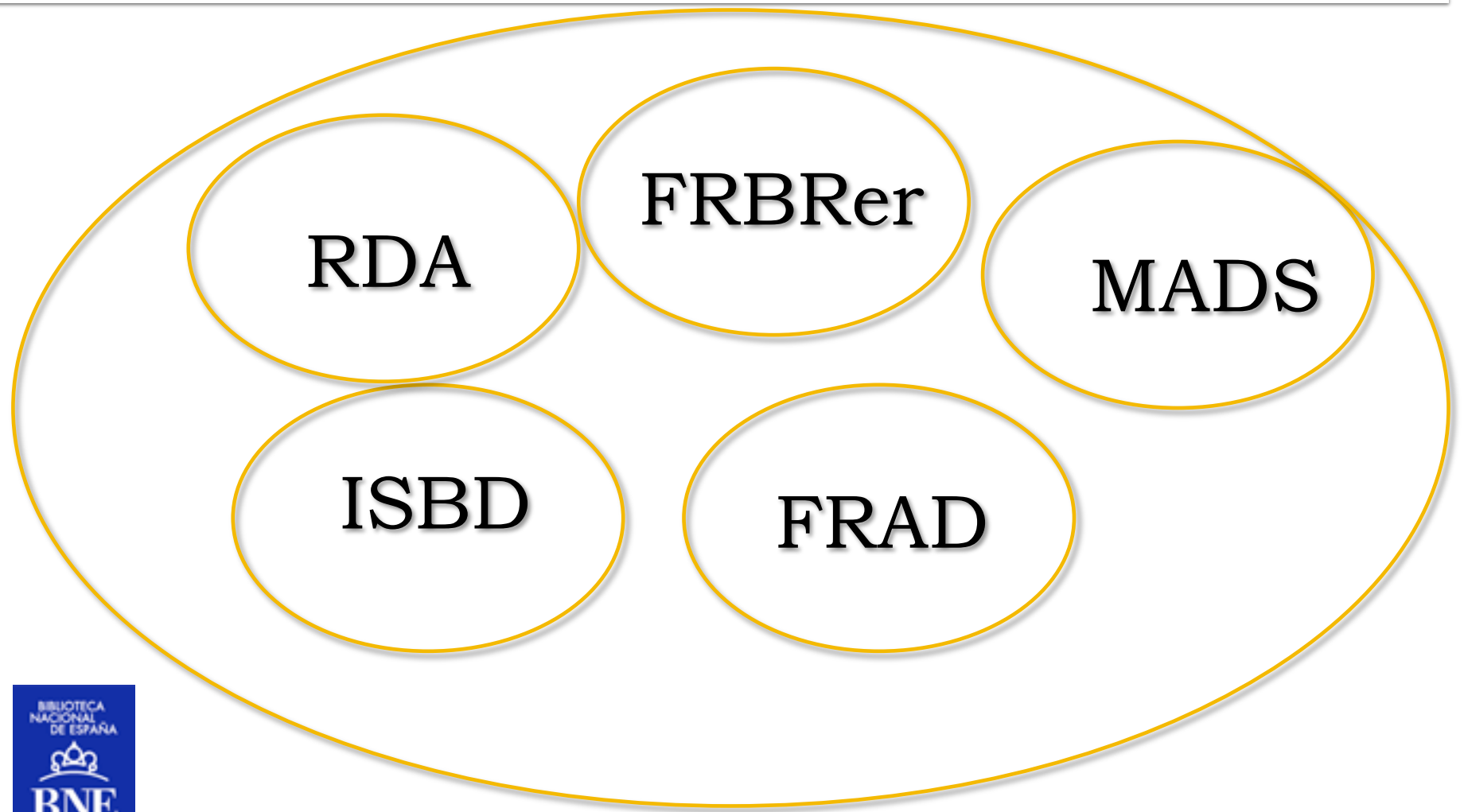
British National Bibliography in RDF



Metadata elements in RDF



Metadata elements in RDF



Linked bibliographic metadata

SPAR

Semantic
Publishing



And
Referencing



FaBiO

FRBR-Aligned Bibliographic Ontology



PRO

Publishing Roles Ontology



PSO

Publishing Status Ontology



PWO

Publishing Workflow Ontology



CiTO

Citation Typing Ontology



BiRO

Bibliographic Reference Ontology



C4O

Citation Counting and
Context Characterization Ontology



DoCO

Document Components Ontology

Linked bibliographic metadata

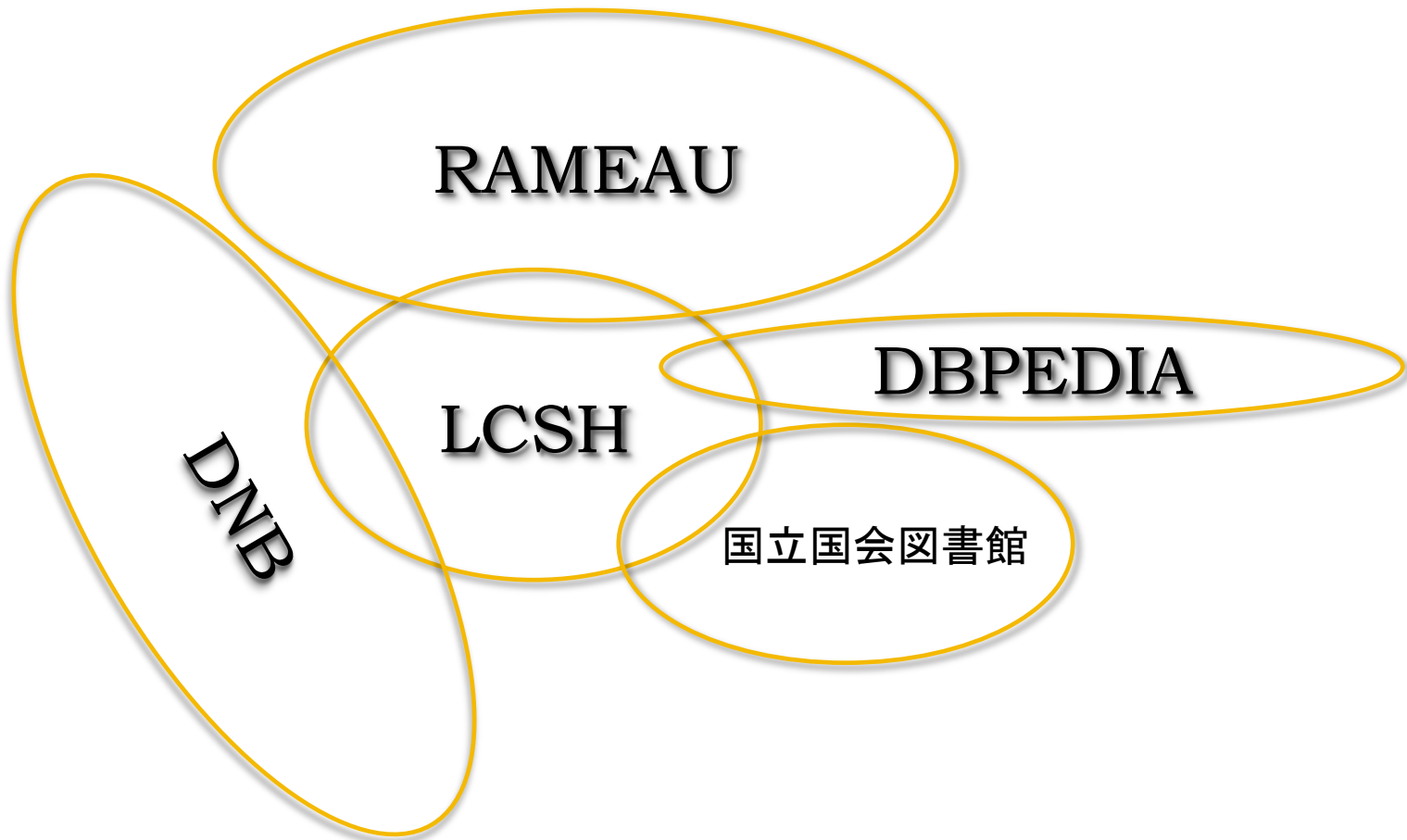
Bibliographic Ontology (BIBO)

Dublin Core Metadata Terms

Controlled vocabularies

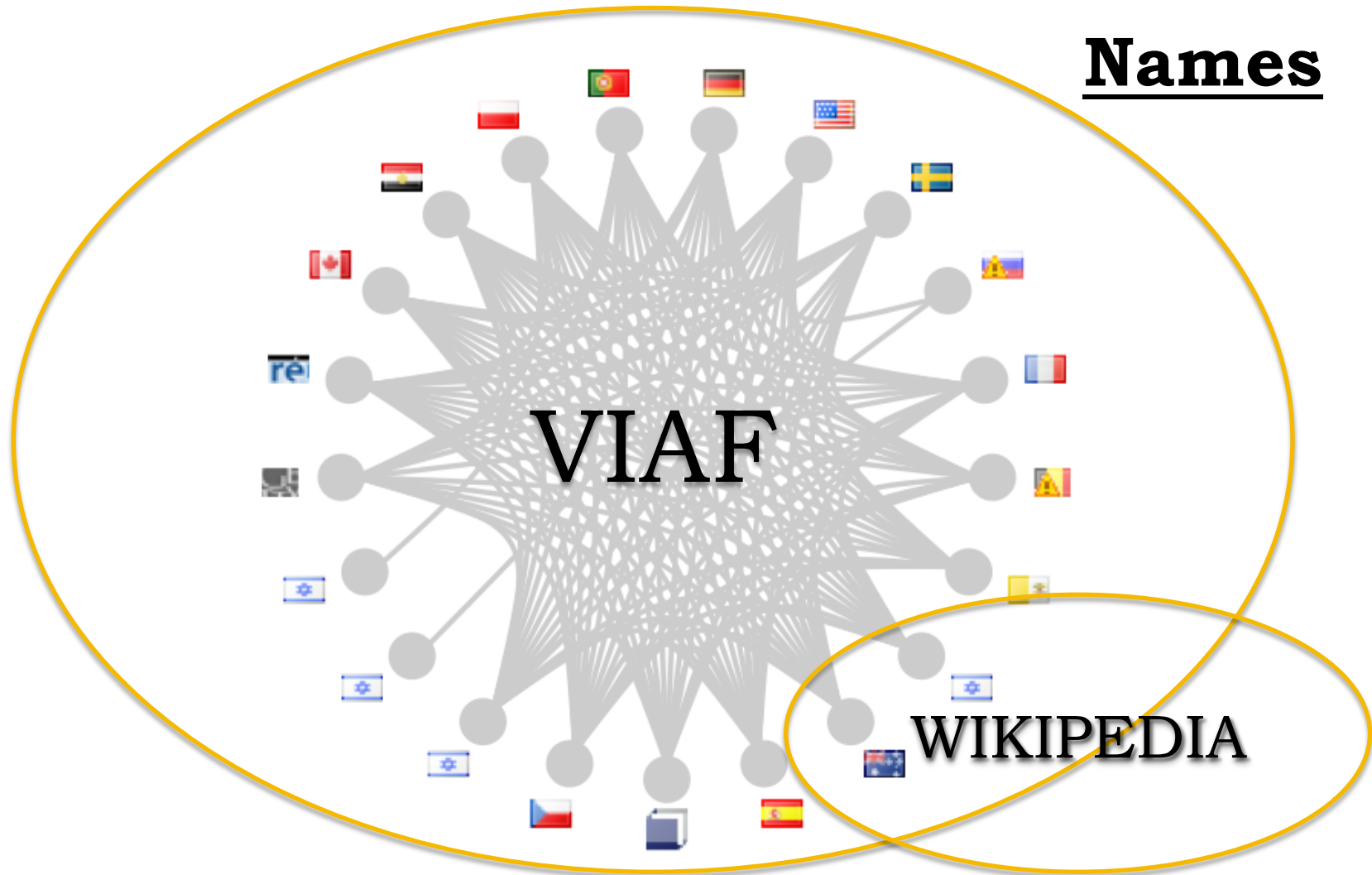
Controlled vocabularies & authorities

SUBJECTS



Controlled vocabularies & authorities

Names



Lists, lists, lists

RDA

- Applied Material
- Aspect Ratio
- Base Material
- Base Material for Microfilm, Microfiche, Photographic Negatives, and Motion Picture Film
- Book Format
- Broadcast Standard
- Carrier Type
- Choruses
- colour
- Colour of Moving Images
- Colour of Still Image
- Colour of Three-Dimensional Form
- Configuration of Playback Channels
- Content Type
- Conventional Collective Titles
- Digital Representation of Cartographic Content
- Emulsion on Microfilm and Microfiche
- Encoding Format
- Extent of Cartographic Resource
- Extent of Notated Music
- Extent of Still Image
- Extent of Text
- Extent of Three-dimensional Form
- File Type
- Font Size
- Form of Musical Notation
- Form of Notated Movement
- Form of Tactile Notation
- Format of Notated Music
- Frequency
- Gender
- Generation for Audio Recording
- Generation for Microform
- Generation for Motion Picture
- Generation for Videotape
- Generation of Digital Resource
- Groove Pitch
- Groove Width
- Groups of Books in the Bible
- Groups of Instruments
- Illustrative Content
- Instrumental Music for Orchestra, String Orchestra, or Band
- Layout
- Layout of Cartographic Images
- Layout of Tactile Musical Notation
- Media Type
- Medium of Performance
- Mode of Issuance
- Other Distinguishing Characteristics of the Expression
- Other Distinguishing Characteristics of the Expression of a Legal Work
- Other Distinguishing Characteristics of the Expression of a Musical Work
- Other Distinguishing Characteristics of the Expression of a Religious Work
- Polarity
- Presentation Format
- Production Method
- Production Method for Manuscripts
- Production Method for Tactile Resources
- Recording Medium
- Reduction Ratio
- Scale
- Solo Voices
- Sound Content
- Special Playback Characteristics

MARC

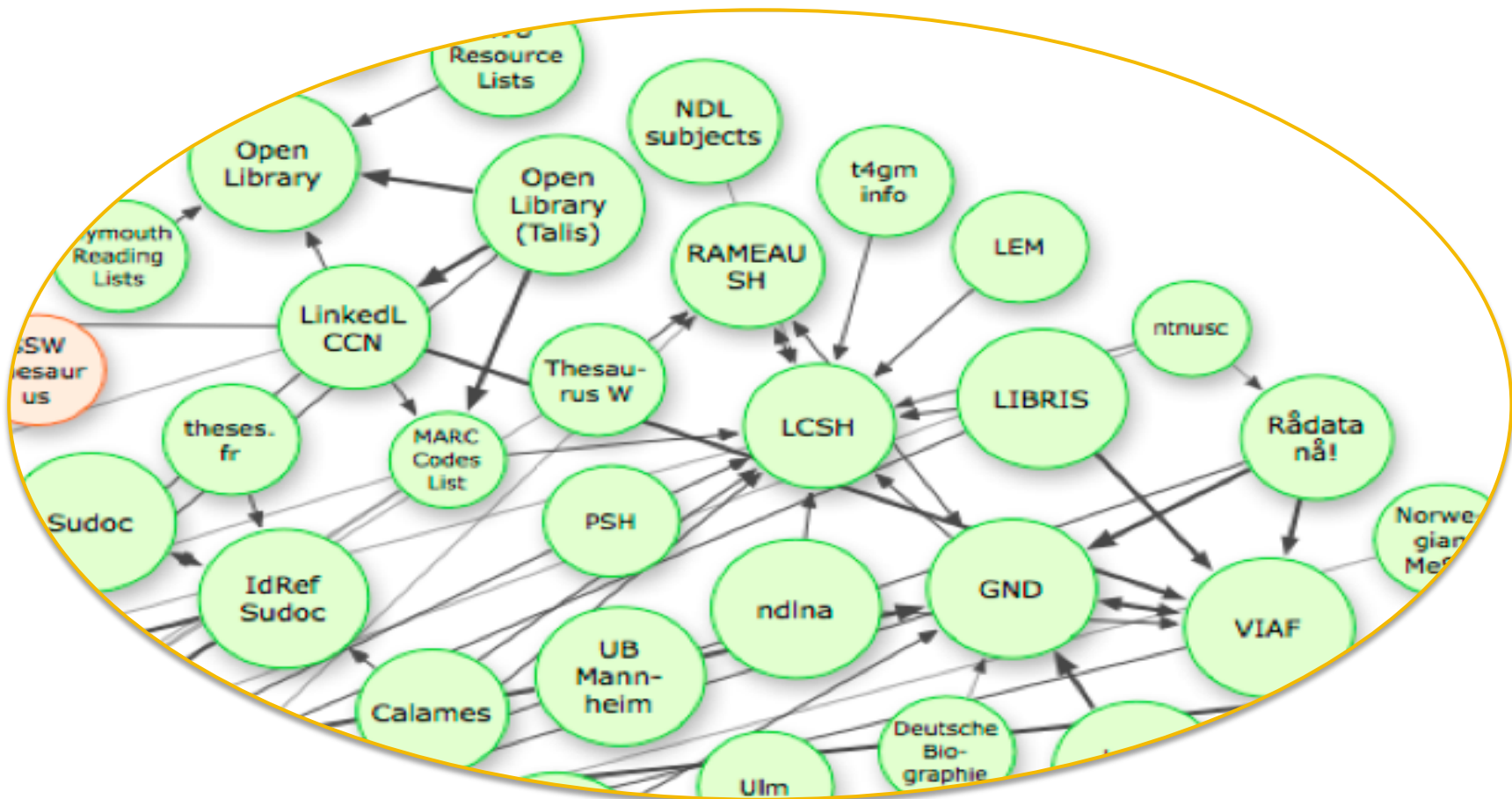
- Genre/form
- Relators
- Countries
- Geographic Areas
- Languages

PREMIS

- Pres. events
- Pres. level role

Open and on the Web

Open access on the Web



Open access on the Web



LIBRIS 

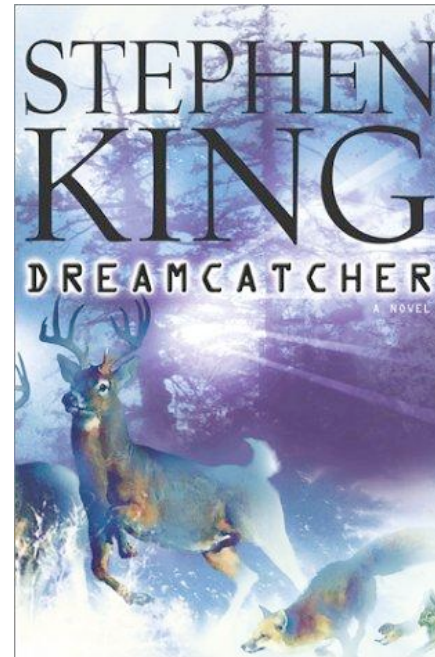
THE BRITISH LIBRARY
Explore the world's knowledge



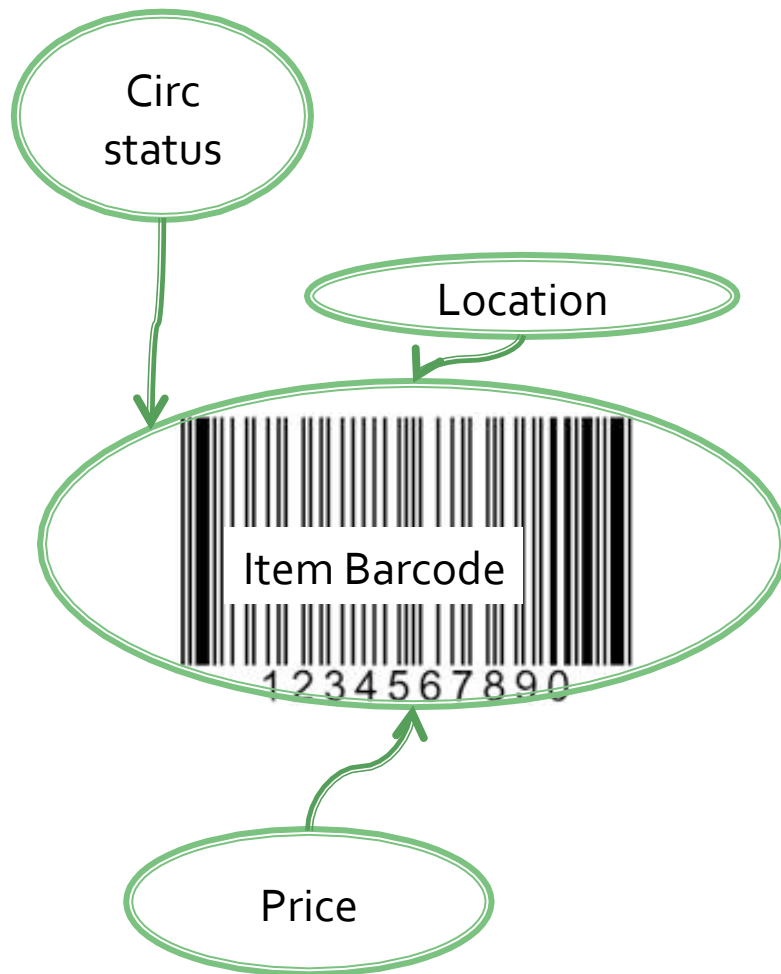


Are we there yet?

The book

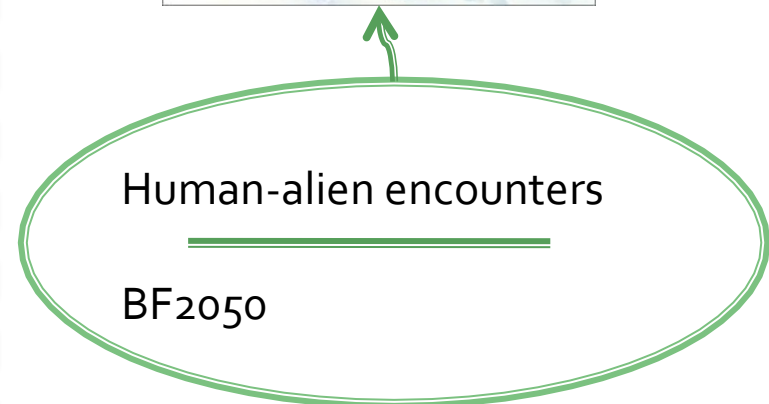
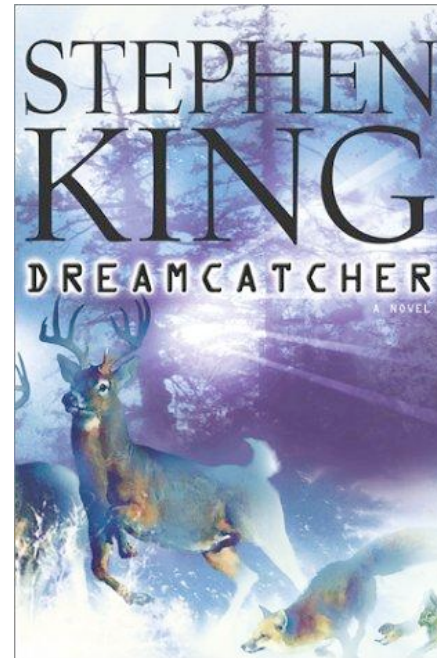


The library copy



The library copy

The book



A moment of opportunity

Let's grab it

Karen Coyle

<http://kcoyle.net/presentations/links.html>