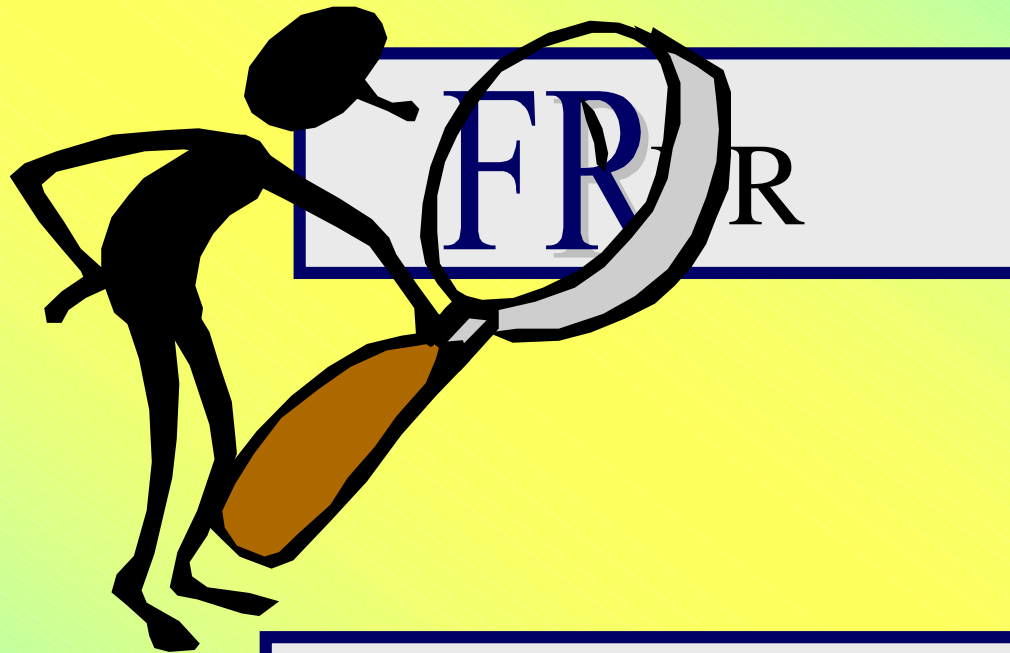


5th IFLA Meeting of Experts
on an International Cataloguing Code
Pretoria, 14-15 August 2007

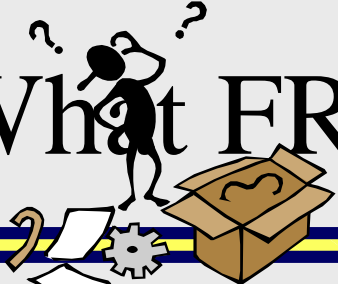
Brave New FRBR World

Patrick Le Bœuf, Bibliothèque nationale de France



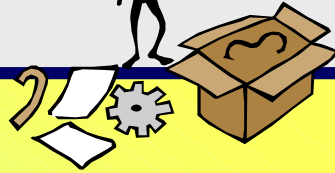
- what it is and what it is *not*
- what it does and what it does *not do*
- how it relates to our major topics

What FRBR is




- a model developed for IFLA
 - 1992-1997
 - aim:
 - “to produce a *framework*
 - that would provide a (...) *commonly shared understanding* of:
 - what it is that the bibliographic record *aims to provide information about*,
 - and what it is that we expect the record to achieve in terms of *answering user needs*”

What FRBR is




- a reference model
 - a *framework for commonly shared understanding*
 - to have the **same structure** in mind and to refer to the **same concepts** under the **same appellations**
 - to compare differently structured data

An illustration featuring a black stick figure with its hand on its head, looking confused, with two question marks above it. Below the figure are a question mark, a gear, and an open cardboard box with a question mark on its lid. The text "What RBR is" is written in a serif font, with the "R" partially obscured by the box.

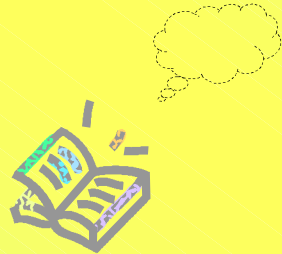
What RBR is

- an E-R model
 - defines “entities”, their “attributes”, their “relationships”
 - 3 groups of entities



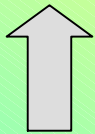
FRBR's core = Group 1 of Entities:

Work



The *book* is set in Africa
(in whichever “version”)

Expression



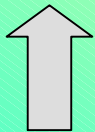
Which version of the *book* is this?
(i.e., a text)

Manifestation



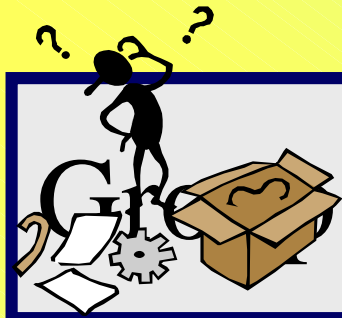
I have to order that *book*
(i.e., a publication)

Item

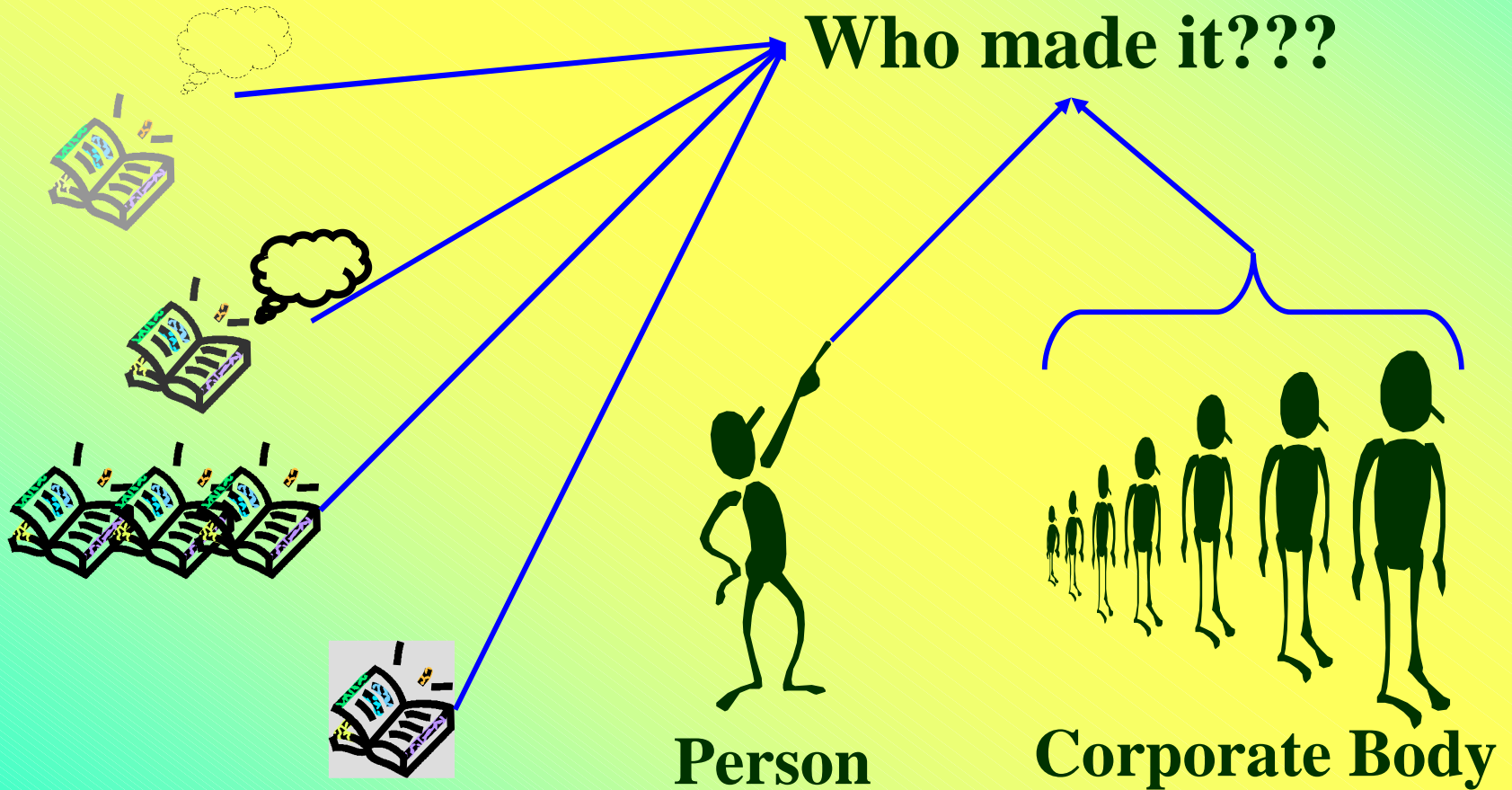


I have lost my *book*
(i.e., a physical copy)

The word *book* has at least four distinct meanings...



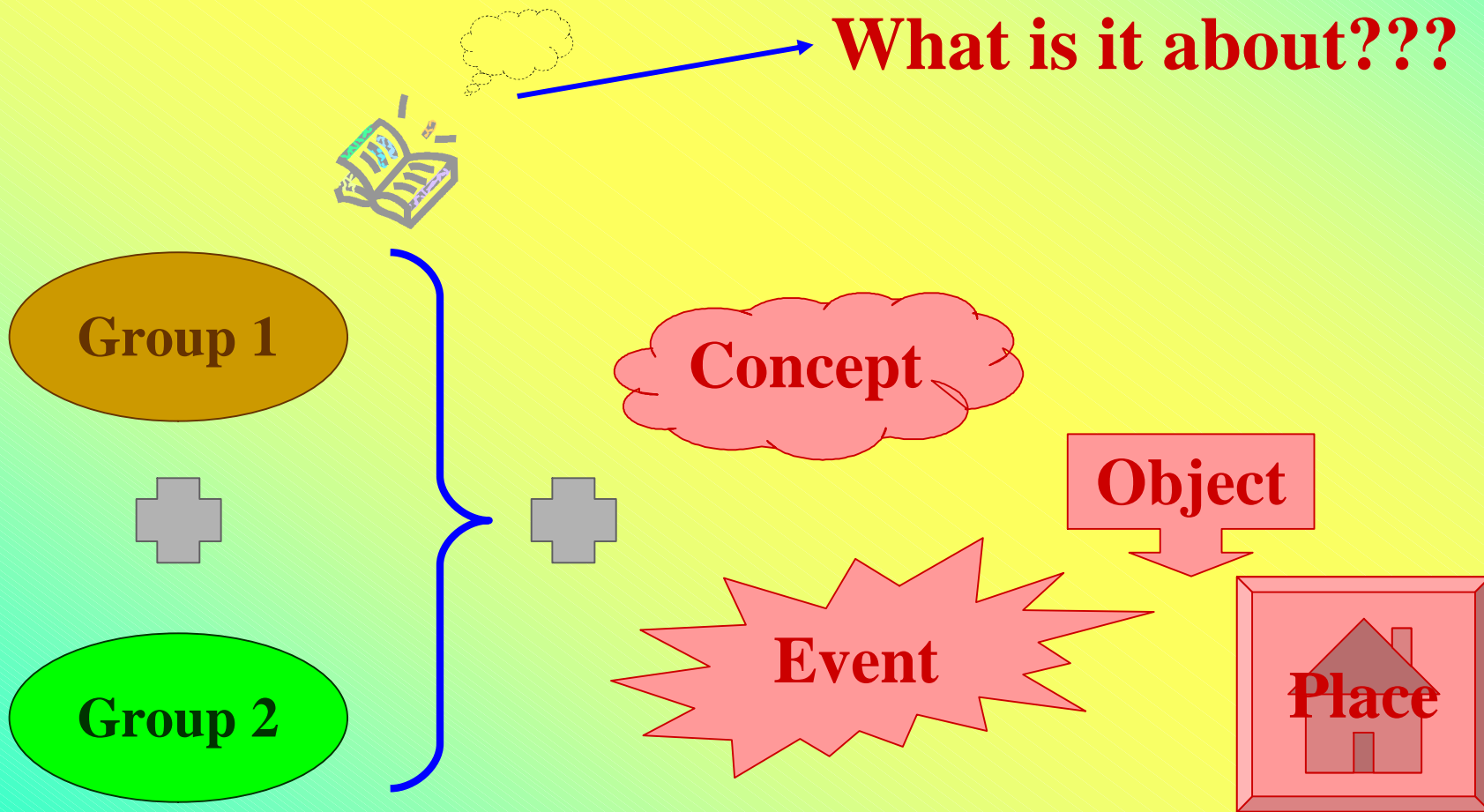
2 of entities:





3 of entities:

What is it about???

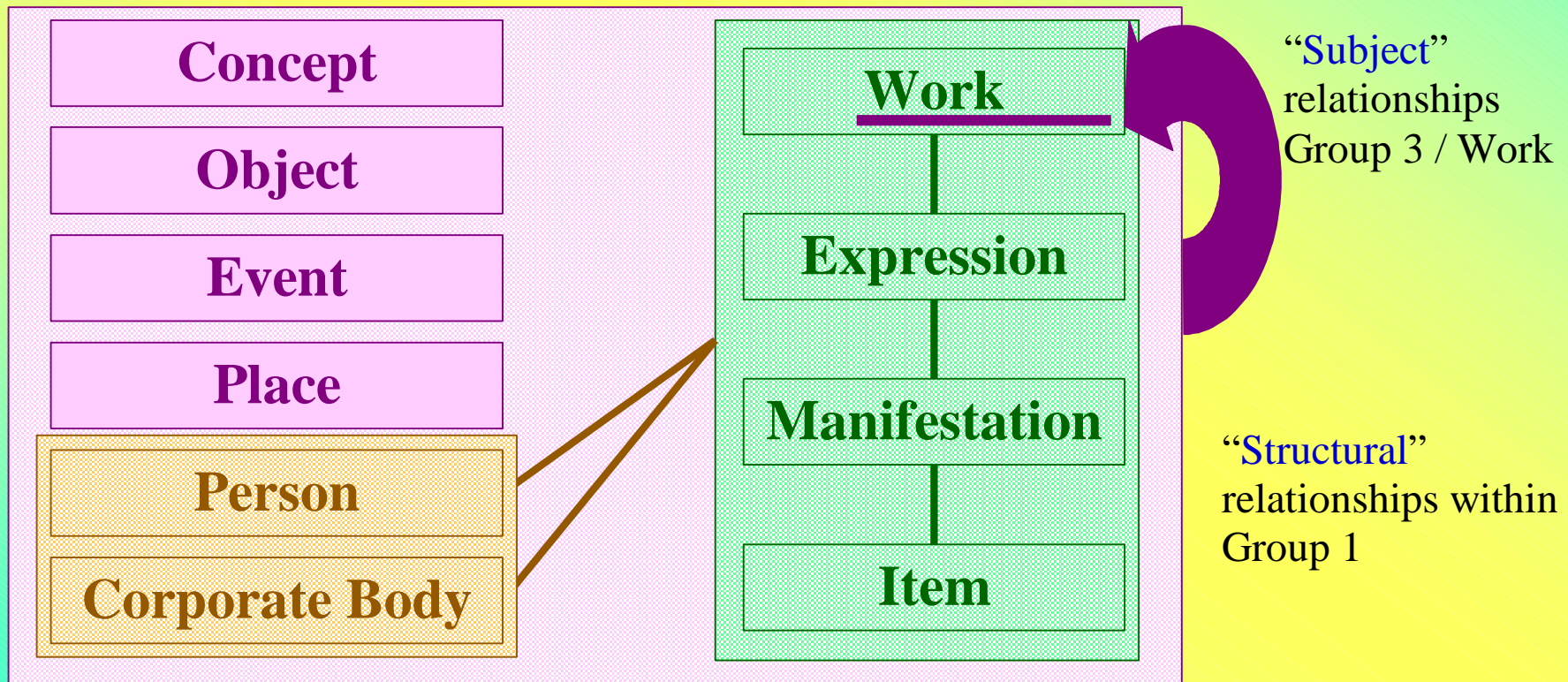




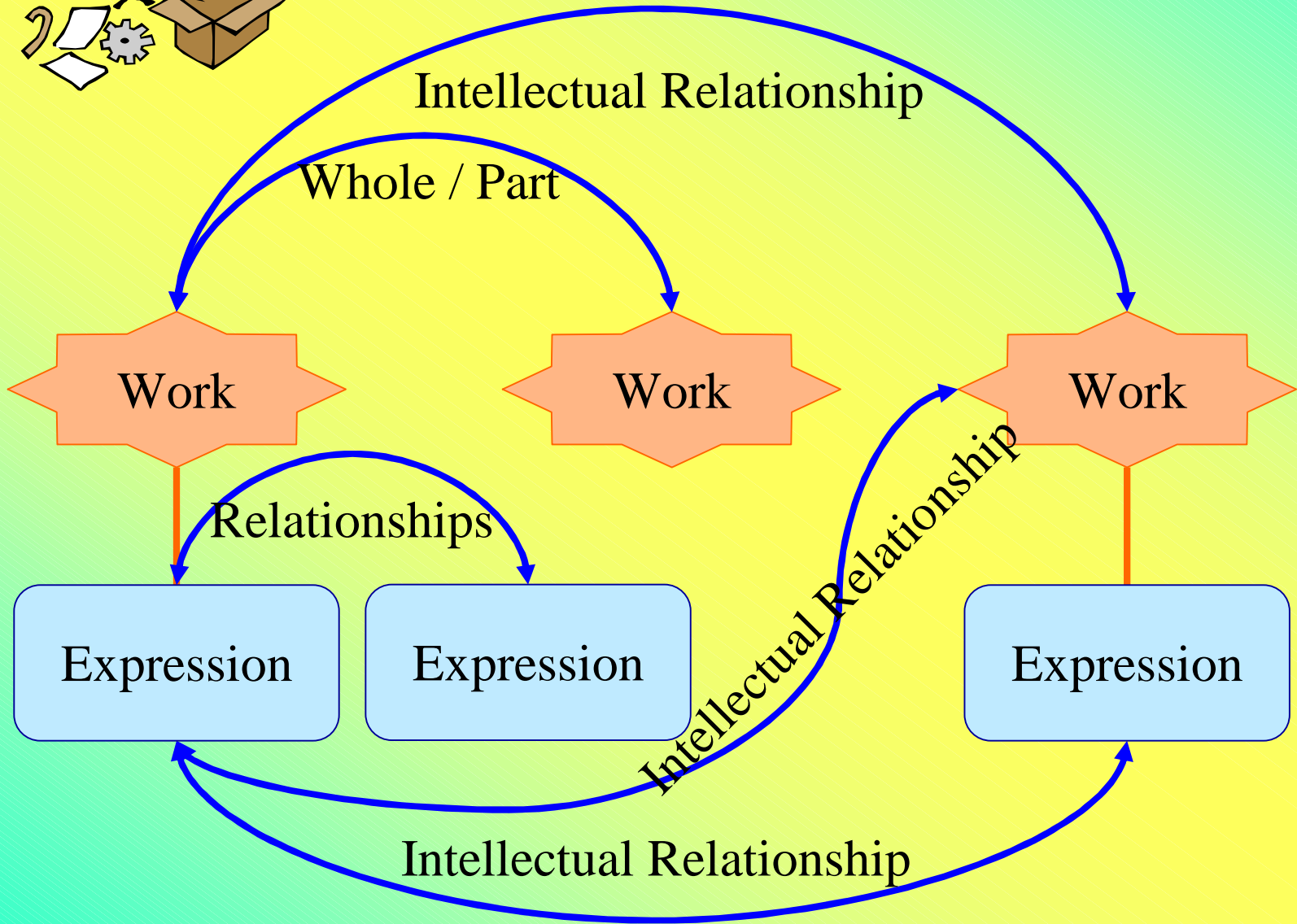
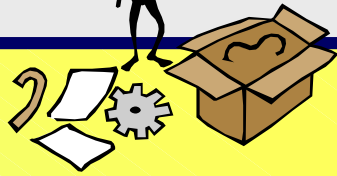
- “Attributes” characterise instances of entities
- For instance:
 - A given Manifestation is characterised by its “Date of Publication” attribute
 - A given Person is characterised by its “Name” attribute, etc.



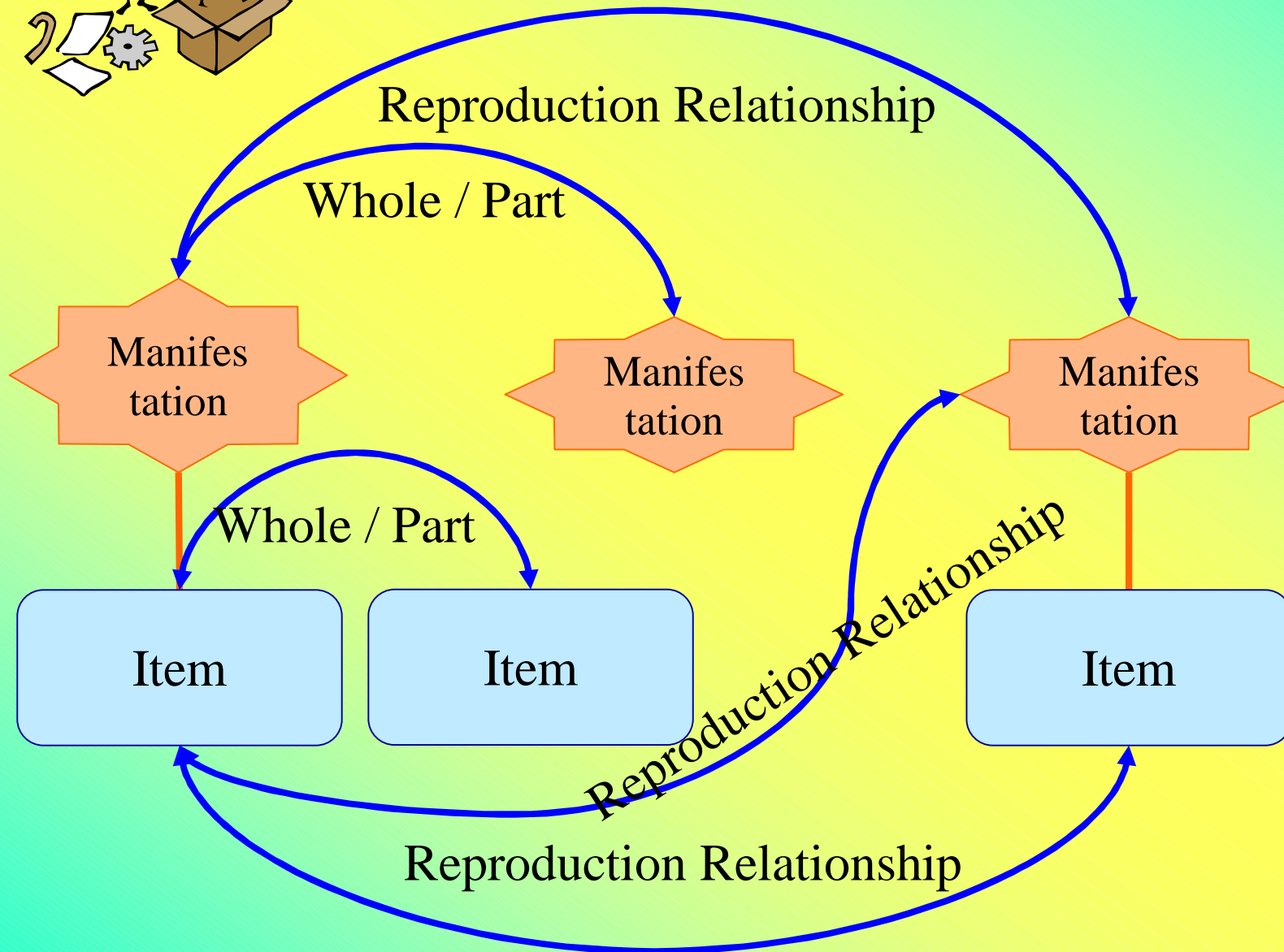
Relationships



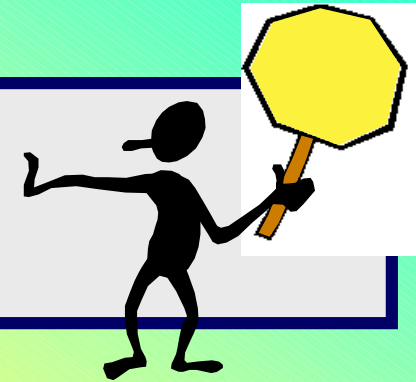
Relationships



Relationships

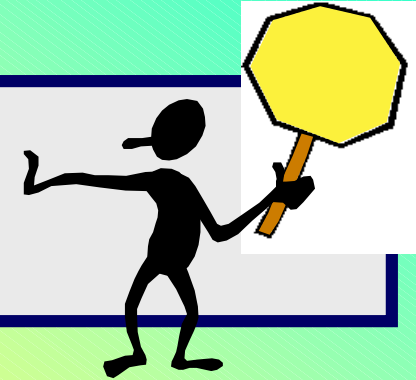


What FRBR is *not*



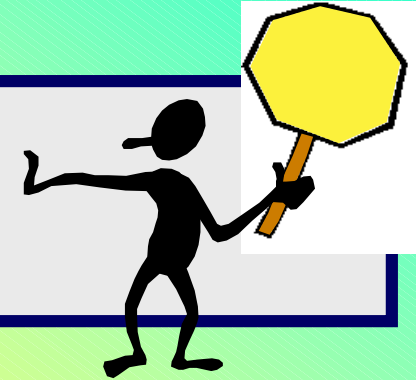
- a data model
 - attributes **too generic** to allow for an implementation of the model such as it stands
 - e.g., FRBR does not account for different kinds of titles

What FRBR is *not*



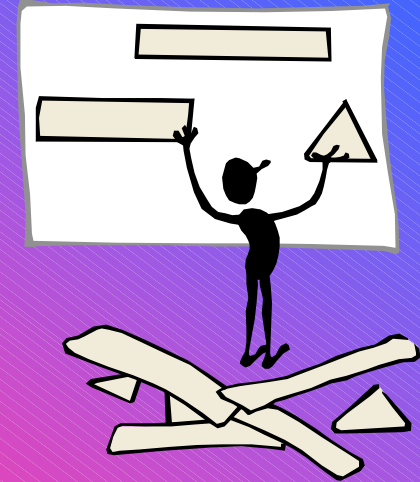
- an ISBD
 - FRBR does not state **how to structure** data elements
 - nor **how to display** them
 - FRBR is **broader** and **more abstract** than ISBDs

What FRBR is *not*



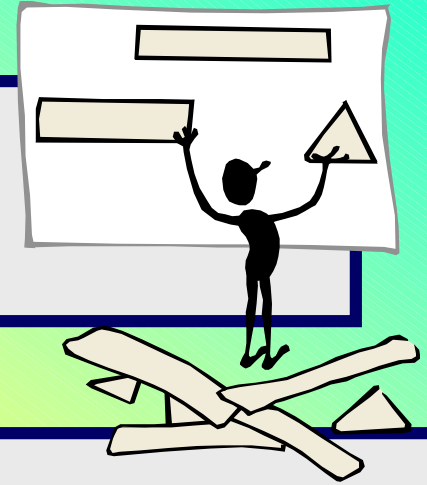
- a cataloguing code
 - FRBR is **not prescriptive**
 - FRBR does not say **how to create** bibliographic **records**
 - FRBR is at a merely **conceptual** level

Some examples of implementation



- AustLit Gateway
 - Virtua
 - OCLC

Implementation



- AustLit Gateway
 - applies to an exclusively literary corpus of Australian texts
 - *not* a catalogue
 - work-centred; displays for each work all of its expressions and manifestations on a single Web page (example on next slide)

From



Lilian's Story

Expressions

This work has appeared in at least 3 different versions:

1. Sydney, New South Wales : Allen and Unwin, 1985.
ISBN: 0868614939
Extent: 211p.

2. Notes: The second (revised) edition includes textual changes and 12 extra pages. Changes were suggested by Grenville's American editor.
Publications of this version include the following 3:

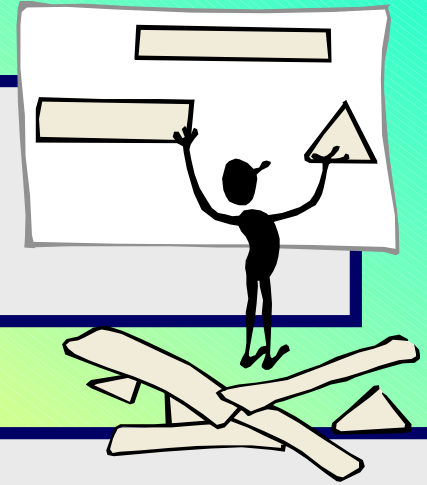
- New York (City), New York (State), United States of America (USA) : Viking Penguin, 1986.
ISBN: 0670809292
Extent: 227p.
Edition Info: 2nd rev. ed.
- North Sydney, New South Wales : Allen and Unwin, 1991.
ISBN: 1863730230 (pbk.)
Extent: 227p.
Edition Info: Rev. ed.
- St Leonards, New South Wales : Allen and Unwin, 1997.
ISBN: 1864482842 (pbk.)
Extent: 280p.
Edition Info: Rev. ed.
Notes:
 - Paperback ed. with new cover - t.p. verso

3. Alternative title: La storia di Lilian
Language: Italian
Translator: [Pugno, Laura](#)
 - Rome, Italy and Naples, Italy : Theoria, 1998.

**Credits to:
AustLit Gateway
& Carol Hetherington**

0 3 0 - 4 4 0 0 - 3 0 3

Implementation



- Virtua
 - 2002: VTLS Inc. releases Virtua 41.0
 - MARC records can be “split” into 4 levels
 - “Flat records” and “FRBR records” live side-by-side
 - uses Tom Delsey’s mapping of MARC21 to FRBR
 - cataloguing paradigm is still based on ISBDs

Ecran suivant Fin de la liste

MARC

Titre uniforme

الف ليلة وليلة

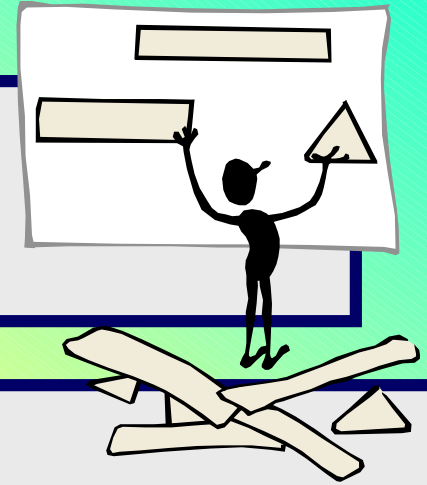
الف ليلة وليلة

- Monographie - Arabe
 - The thousand and one nights (Alf Layla wa-Layla): from the earliest known sources / - Brill, 1984-1994
 - الف ليلة وليلة - مكتبة الثقافية, 1981
- Monographie - French
 - Les mille et une nuits : - Garnier, 1941

MARC Exemples (1)

Titre	The thousand and one nights (Alf Layla wa-Layla): from the earliest known sources / Arabic text ed. with intr. and notes by Muhsin Mahdi
Titre parallele	الف ليلة وليلة
Editeur	Leiden : Brill, 1984-1994
Collation	3 v.
Entrée secondaire	Mahdi, Muhsin
Notes de contenu	1. Arabic text
Notes de contenu	2. Introduction and indexes
Notes de contenu	3. Critical apparatus ; description of manuscripts

Implementation



- FRBR at OCLC:
 - FRBR Work-set algorithm
(<http://www.oclc.org/research/projects/frbr/algorithm.htm>)
 - xISBN service
(<http://worldcat.org/affiliate/webservices/xisbn/app.jsp>)
 - FRBRized WorldCat.org and Open WorldCat
(<http://www.oclc.org/worldcat/open/default.htm>)
 - “FictionFinder” prototype (<http://fictionfinder.oclc.org>)



xISBN (Web service)

Use this Web service to retrieve a list of International Standard Book Numbers (ISBNs) associated with a submitted ISBN, based on WorldCat information. Free and subscription versions are available.

Frequently Asked Questions: xISBN

- What is the xISBN Web service?
- What are "related ISBNs"?
- Why would I want to retrieve related ISBNs?
- Is this Web service available now?
- Is xISBN free?
- In what ways is the xISBN service provided?
- How to make an order?
- How often is xISBN data updated?
- Does xISBN utilize FRBR?
- I've also heard talk about "xID." What is that?
- Is there a mailing list I can subscribe to to keep informed about xISBN and other xID services?
- How can I learn more about my organization using or licensing xISBN?
- Does the original OCLC Research Web service still work?
- What happens if my application makes too many requests?

What is the xISBN Web service?

xISBN is a Web service that supplies International Standard Book Numbers (ISBNs) associated with an individual intellectual work, based on information in the WorldCat database. Give it one ISBN, and it returns a list of related ISBNs and selected metadata.

What are "related ISBNs"?

They are ISBNs of other editions or version of the same "work." For example, given the ISBN of the U.S. hardcover edition of *The Da Vinci Code*, associated ISBNs returned by this Web service might include those for the U.S. paperback, library-bound or large-print editions; audiobooks; foreign editions; and possibly out-of-print editions.

Why would I want to retrieve related ISBNs?

Books are usually referenced by ISBN. However, a user looking for a book usually isn't trying to find a specific edition—they would like to see all versions of the source work. For example, an end user may have an ISBN representing a trade paper edition, but you would like your online application to reference all versions that are in print, or in a library's case, all versions in its collection.

Is this Web service available now?

Yes. You can try it by entering the following address in a Web browser:

```
http://xisbn.worldcat.org/webservices/xid/isbn/[ISBN]?method=getEditions&format=xml
```

where [ISBN] is a recognized ISBN. For example,

```
http://xisbn.worldcat.org/webservices/xid/isbn/0441172717?method=getEditions&format=xml
```

will return a list of ISBNs for editions of Frank Herbert's *Dune*.

```
<?xml version="1.0" encoding="UTF-8" ?>
- <rsp xmlns="http://worldcat.org/xid/isbn/" stat="ok">
  <isbn >0441172717</isbn>
  <isbn >0801950775</isbn>
  <isbn >0399128964</isbn>
  <isbn >044100590X</isbn>
  <isbn >1556909330</isbn>
  <isbn >0425027066</isbn>
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  <isbn >0736692401</isbn>
  <isbn >0441172660</isbn>
  <isbn >042505313X</isbn>
  <isbn >1402553242</isbn>
  <isbn >0425080021</isbn>
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  <isbn >8401469317</isbn>
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  <isbn >5237030777</isbn>
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  <isbn >0450031462</isbn>
  <isbn >2266026658</isbn>
```

OCLC: xISBN



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[Make Google Your Homepage!](#)

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Web Images Groups News Maps Scholar [more »](#)

"falcon files" "find in a library" Search

Search: @ the web @ pages from Canada

Web

Page 1 of 8

Tip: Try removing quotes from your search to get more results.

Find in a Library: Flight of the falcon | English Book | OCLC WorldCat

... Fiction - Zimbabwes, Fiction - Africa, Southern, Fiction - Historical Fiction - Adventure fiction - Comment: Previously published as: **A falcon flies** ...

www.worldcat.org/wcis/olc:33573225 - Supplemental Result - [Similar pages](#)

Find in a Library: A falcon flies | English Book | OCLC WorldCat

A falcon flies / by Wilbur A. Smith. Type: English, Book, Fiction, Fict. Genr., London : Weidenfeld, 2000. ISBN: 0303370270 9780303370270 ...

www.worldcat.org/wcis/olc:332782178 - Supplemental Result - [Similar pages](#)

[[More results from worldcat.org](#)]

Find in a Library: A falcon flies | English Book | OCLC WorldCat

A falcon flies / by Wilbur A. Smith. Type: English, Book, Fiction, Fict. Genr., London : Pan Macmillan, 1981. ISBN: 0303370270 9780303370270 ...

www.worldcat.org/wcis/olc:330231125 - Supplemental Result - [Similar pages](#)

Author - Wilbur Smith: Internet Book Database

1901, Buy From Amazon - Find in a Library - **A Falcon Flies** - He is the hero - the goddess - the messenger, bringing the word of God to the earth's ...

www.bookshelves.com/978-0-312-01200-0 - [Connect](#) - [Similar books](#)

OCLC: Open WorldCat

Flight of the falcon
by **Wilbur A Smith**

Language: English Type: Book: Fiction
 Publisher: Garden City, N.Y. : Doubleday, 1967, 473pp. [Other Editions...](#)
 ISBN: 0580178588 9780288179354 | OCLC: 7673767

Subjects: [Zimbabwe--Fiction](#) | [Africa, Southern--Fiction](#) | [Brothers and sisters--Fiction](#) | [More Subjects...](#)
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Librarian | **Details** | Subjects | **editions** | Reviews

Item Details

Other Editions

Showing Editions 1 - 10 out of 20

- Flight of the falcon**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: Garden City, N.Y. : Doubleday, 1967, 473pp.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: London: Panther, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction LARGE PRINT
Publisher: Long Presson, John : (Chicago) : Mason Print Co. Inc.; South Vermont, Mass. : Distributed, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith : Book on Tape
Language: English Type: Sound Recording: Non-music: Fiction: Cassette tape
Publisher: (Hill, [England]) : Casses Audio Books, (Basingstoke, Hants) : Overseas North America, 1967.
- Flight of the falcon**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: New York : Random, 1967, 473pp.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: London: Panther, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith : Book on Tape
Language: English Type: Sound Recording: Non-music: Fiction: Compact disc
Publisher: (Hill, [England]) : Casses Audio Books, (Basingstoke, Hants) : Overseas North America, 2001.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: London: Panther, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction

Other Editions

Showing Editions 1 - 10 out of 20

- Flight of the falcon**
by Wilbur A Smith
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- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction
Publisher: London: Panther, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith
Language: English Type: Book: Fiction LARGE PRINT
Publisher: Long Presson, John : (Chicago) : Mason Print Co. Inc.; South Vermont, Mass. : Distributed, 1967, 252pp.
- A falcon flies**
by Wilbur A Smith : Book on Tape
Language: English Type: Sound Recording: Non-music: Fiction: Cassette tape
Publisher: (Hill, [England]) : Casses Audio Books, (Basingstoke, Hants) : Overseas North America, 1967.
- Flight of the falcon**
by Wilbur A Smith
Language: English Type: Book: Fiction

OCLC: Open WorldCat

FictionFinder
OCLC Research *beta*

Project Page | Feedback | Known Problems | Exit

Browse | Search [Advanced]

You searched: Settings for africa near southern

Previous 10 Works | Displaying 1 - 10 of 69 | Next 10 Works >> | Jump to work:

	Title / Author	Editions	Libraries
1.	The Story of an African Farm / Schreiner, Olive	93	2874
2.	The Burning Shore / Smith, Wilbur A. Young Frenchwoman falls in love with South African pilot flying for the RAF during World War I, and following his death in combat, journeys to Africa to bear his child, undergoing numerous adventures along the way, culminating in the fortuitous discovery of a rich diamond mine.	23	2364
3.	Falcon Flies / Smith, Wilbur A. Set in the untamed wilderness of pre-colonial Africa, this is a roving saga of exploration and a determined woman.	26	2087
4.	The Four-gated City / Lessing, Doris May		
5.	Blue Horizon / Smith, Wilbur A. The next generation of Courtneys is out to stake its claim in Southern Africa, traveling along the both exciting and hazardous, that takes them through the untouched wilderness of a beautiful animals. At heart a story of love and hatred, vengeance and greed.		
6.	Behind the Back of the Mountain / Aardama, Verna Ten folk legends from southern Africa include Hotentot, Zulu, and Bantu tales.		
7.	The Other Side of Silence / Binnik, André Philippus		
8.	When the Lion Feeds / Smith, Wilbur A. A story of the quest for gold in southern Africa in the last quarter of the nineteenth century.		
9.	Black Fairy Tales / Berger, Terry Princes, princesses, kings, and queens wear beautiful animal skins, live in kraals, and meet the Swazi, Shangani, and Msuto peoples of South Africa.		
10.	Martha Quest / Lessing, Doris May		

FictionFinder
OCLC Research *beta*

Project Page | Feedback | Known Problems | Exit

Browse | Search [Advanced]

You searched: Settings for africa near southern

Back to Results | << Previous | Work 2 of 69 | Next >> | Find Any edition

The burning shore
Smith, Wilbur A.

23 editions, in 6 languages, held by 2364 libraries

Summary: Young Frenchwoman falls in love with South African pilot flying for the RAF during World War I, and following his death in combat, journeys to Africa to bear his child, undergoing numerous adventures along the way, culminating in the fortuitous discovery of a rich diamond mine.

Genres: Epic fiction | Adventure stories | Domestic fiction | Historical fiction

Characters: Courtney family (Fictitious characters)

Settings: 1914 - 1918 | 1939 - 1945 | France | South Africa | Africa, Southern

Subjects: World War, 1914-1918 | Air pilots | Aristocracy (Social class) | Bereavement | Voyages and travels | World War, 1939-1945 — Campaigns [+]

Audience: Kids | General | Special

FictionFinder
OCLC Research *beta*

Browse | Search [Advanced]

Back to Work | < Previous | Edition 2 of 23 | Next >

The Burning Shore
Smith, Wilbur A. / by Wilbur Smith.

Date: c1985.

Language: English

Description: 857 p. (large print) :—22 cm.

Publisher: Thorndike, Me, USA : Thorndike-Magna, c1985.

ISBN: 089621771X (alk. paper : lg. print) 1850570094

OCLC: 14931331

Citations | Details

Details

Genres: Historical fiction
Domestic fiction

Settings: 1914 - 1918
Africa, Southern

Subjects: Courtney family (Fictitious characters)
Large print
World War, 1914-1918

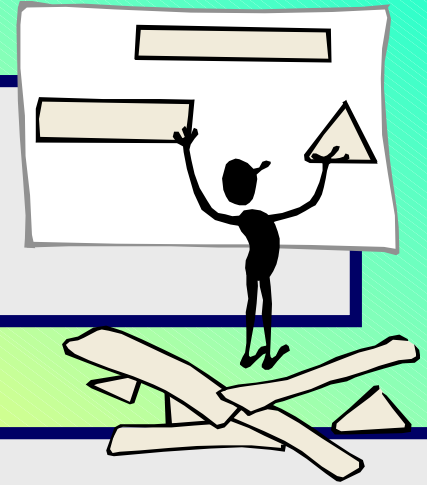
Editions | Genres | Characters | Settings | Subjects

Narrow by Language: All (23) | Narrow by Format: Show All

Title / Author	OCLC #	Date	Language	Format	Aud.	Libraries
1. The burning shore / Wilbur Smith	11840840	1985	English	Book	General	2364
2. The burning shore / by Wilbur Smith	14931331	1985	English	Large print	General	2364
3. The burning shore / Wilbur Smith	15213950	1985	English	Book	General	2364
4. The burning shore / Wilbur Smith	12906968	1985	English	Book	General	2364
5. The burning shore	59869183	1998	English	Book	General	2364
6. The burning shore / Wilbur Smith	41033062	1999	English	Book	General	2364
7. The burning shore by Wilbur Smith	18758714	1988	English	Book	General	2364
8. Costa ardiente / Wilbur Smith ; traducción Edith Zili	13027216	1985	Spanish	Book	General	2364
9. The burning shore / Wilbur Smith	59459334	1999	English	Book	General	2364
10. The burning shore / Wilbur Smith	16652685	1986	English	Book	General	2364
11. Costa ardiente / Wilbur Smith ; traducción Edith Zili	18571483	1987	Spanish	Book	General	2364
12. Burning shore Wilbur A. Smith	47758987	1999	English	Audio	General	2364
13. Costa ardiente / Wilbur Smith ; [traducción de Edith Zili]	43010298	1989	Spanish	Book	General	2364
14. The burning shore	27380279	1992	English	Book	General	2364
15. The burning shore by Wilbur Smith	42525233	1988	English	Book	General	2364

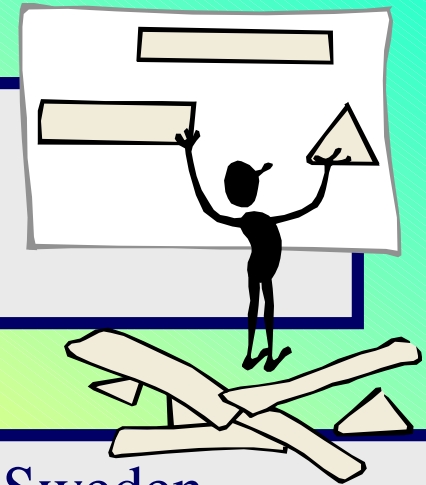
OCLC: "FictionFinder"

Implementation



- RLG (Research Libraries Group)
 - “RedLightGreen” OPAC was partially FRBRized
 - Merged with OCLC July 1, 2006
 - No longer available as of November 2006

Implementation



- LIBRIS WebSearch from the National Library of Sweden

LIBRIS beta LIBRIS SÖKTJÄNSTER | HJÄLP | EN-ENGLISH | INSTALLNINGAR

Sökning Utökad sökning Bläddra Mimesis Litteratur Bok

mimesis auerbach

Sökning: mimesis auerbach

1-10 av 24 [1] 2 3 >

Sortering: relevans Gruppering: ingen Trafärf per sida

- Auerbach, Erich, 1892-1957 (författare)
[Mimesis : verkligheidsframställningen i den västerländska litteraturen / Erich Auerbach ; översättning av Ulrika Wallenström ; förord av Arne Melberg](#)
1998
Bok
- Auerbach, Erich, 1892-1957 (författare)
[Mimesis : verkligheidsframställningen i den västerländska litteraturen / Erich Auerbach ; översättning av Ulrika Wallenström ; förord av Arne Melberg](#)
1999. - [Ny utg.]
Bok
- Auerbach, Erich, 1892-1957 (författare)
[Mimesis : la représentation de la réalité dans la littérature occidentale / Erich Auerbach ; traduit de l'allemand par Cornélius Helm](#)
1984
Bok

Mimesis : verkligheidsframställningen i den västerländska litteraturen / Erich Auerbach ; översättning av Ulrika Wallenström ; förord av Arne Melberg

Auerbach, Erich, 1892-1957 (författare)
Wallenström, Ulrika (översättare)

Verk som ingår i eller här samman med denna titel

- Auerbach, Erich. Mimesis : dargestellt Wirklichkeit in der abendländischen Literatur (originaltext)

ISBN 91-0-057175-3
[Ny utg.]
Stockholm : Bonnier, 1999
Svenska. 595. 11 s.
Serie: Bonnier pocket, 99-0307595-2

Bok

Hitte Ämne och innehåll **Andra utgåvor** EXPORTERA SKRIV UT MEDIA LÄNK

Språk
- Svenska (8)

Mimesis (titel) 2 utgåvor på 2 utgåvor

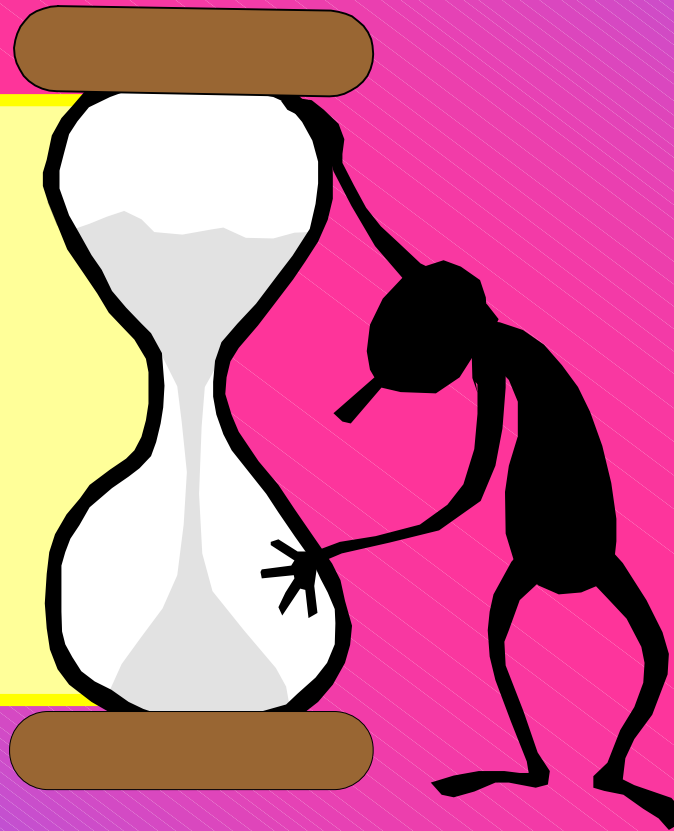
1998
1999

Andra utgåvor

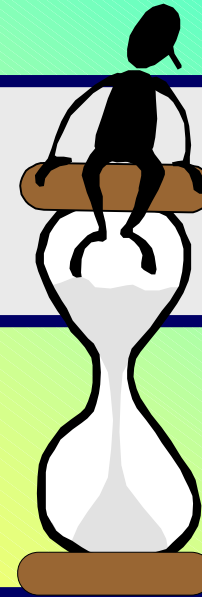
Titel	Utgåva	År	Format	Öppna
Mimesis : verkligheidsframställningen i den västerländska litteraturen / Erich Auerbach ; översättning av Ulrika Wallenström ; förord av Arne Melberg	1998	1998	Bok	Öppna
Mimesis : verkligheidsframställningen i den västerländska litteraturen / Erich Auerbach ; översättning av Ulrika Wallenström ; förord av Arne Melberg	1999	1999	Bok	Öppna
Mimesis : la représentation de la réalité dans la littérature occidentale / Erich Auerbach ; traduit de l'allemand par Cornélius Helm	1984	1984	Bok	Öppna

Current evolution of FRBR

- FRAD
- FRSAR
- FRBR Review Group

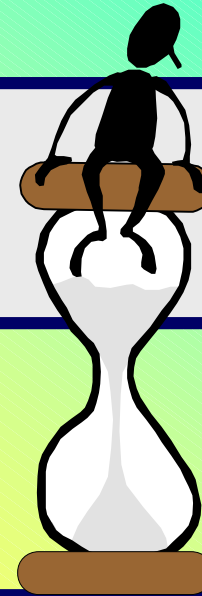


Current evolution



- FRAD
 - 1999: FRANAR Working Group
 - Goal: to model **authority data**
 - 2nd World-wide review to **July 15, 2007**

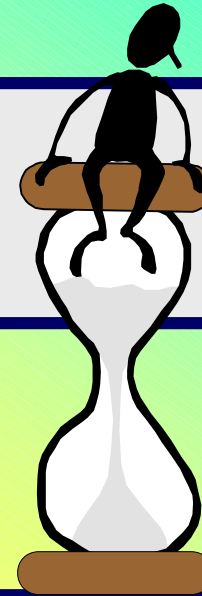
Current evolution



- FRSAR

- FRSAR Study Group formed in 2005
- Goal: to model **“subject relationships”**
(classification and indexing)
- FRBR+FRAD+FRSAR = complete model for
the “Bibliographic Universe”

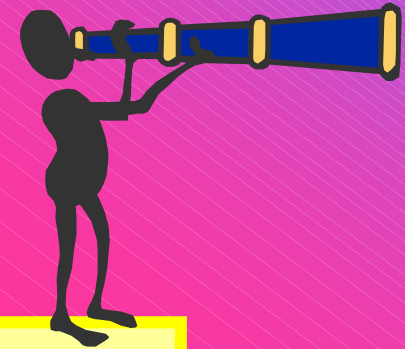
Current evolution



- FRBR Review Group
 - Formed 2003
 - 2005: Working Group on Aggregates (will deal with collections & anthologies, multi-volume monographs, continuing resources, Web sites...)
 - 2006: World-wide review of amendment to expression entity : 1st FRBR amendment!

FRBR

and the Meeting's 5 "Focus Topics"
(that happen to be 6...)



- "Appellations"
 - "Types"
- "Aggregates"

“Appellations”

- Names of personal authors
 - FRBR could have defined just one attribute: **“heading”**
 - FRAD: Person entity = real-life person?
No; **“Bibliographic Identity”** notion (as in AACR2)
 - undifferentiated names cannot be controlled;
to what extent is that **lack of control tolerable?**

“Appellations”

- FRBR and names of corporate bodies
 - FRBR could have defined just one attribute:
“**heading**”
 - FRAD: Corporate Body entity = real-life corporate body? No; “**Bibliographic Identity**”
notion

“Appellations”

- Uniform titles
 - Title attribute:
at *Work*, *Expression*, and *Manifestation* level
 - title of a Work = uniform title or title proper
 - no prescription as to what constitutes the title of an Expression
 - title of an Expression = title of the Work, plus...
which information elements?

“Types”

- GMDs (General Material Designations)
 - GMDs: **not mentioned** in FRBR
 - define “**type**” attributes for Work, Expression, Manifestation? Combine them into GMDs?
 - e.g.:

textual work – expressed as sound – on physical carrier

textual work – expressed as written word – in manuscript

textual work – expressed as written word – on microform

musical work – expressed as notation – on printed material

musical work – expressed as sound – in an electronic resource on line

cartographic work – in an electronic resource on line

motion picture – on physical carrier

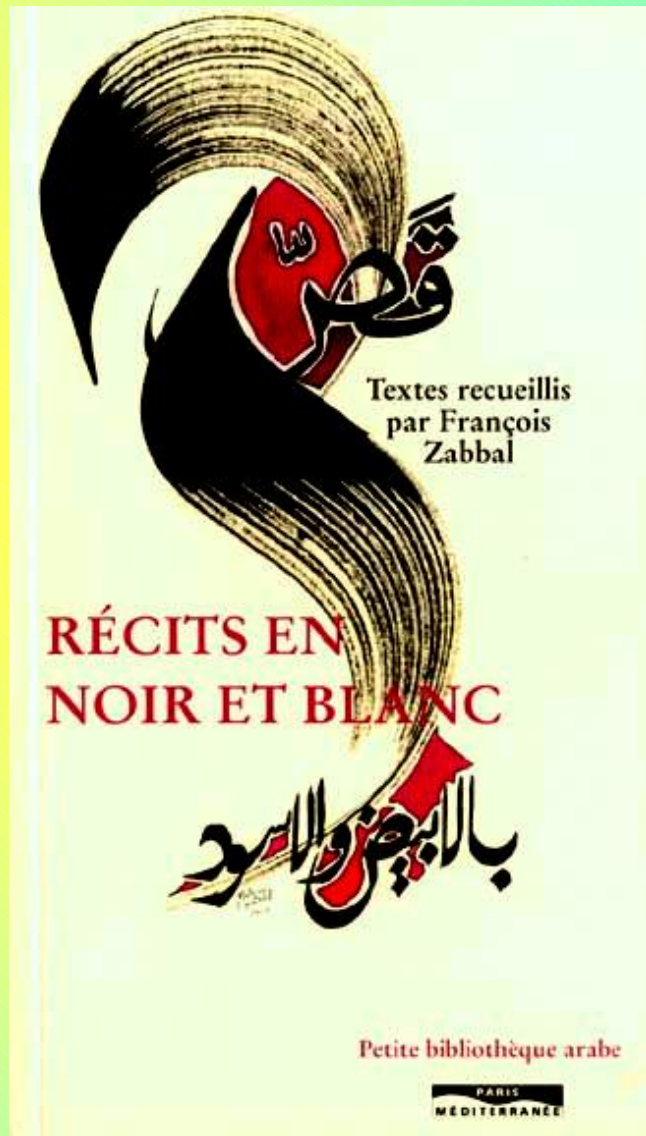
multimedia work – on physical carrier(s)

“Aggregates”

- Seriality issues of when to create a new record
 - title change => New *Work*?
 - deal with continuing resources in *authority records* rather than bibliographic records?

“Aggregates”

- Multipart structures
 - More than one Work in one Manifestation: what is the smallest bibliographic unit, the Work or the Manifestation?
 - This echoes the older debate between “literary unit” and “bibliographic unit”
 - Computer system possibilities can help us solve the problem...
 - ... provided we make consistent recommendations in such cases as:



“Récits en noir et blanc” as a whole = a Work by F. Zabbal?

Possible policies include:

- **Ignore** the short stories: they are more than 3
- Mention them in “**other title information**”
- Mention them in a **contents note**
- Make additional **author/title access points**
- Create **analytical records**

Conclusion

- FRBR does not solve all theoretical problems...
- ... But FRBR provides a useful conceptual framework, with clear distinctions between the “physical” and “abstract” aspects of the holdings we describe
- Such distinctions should be reflected in an International Cataloguing Code

