

MCLS Open Access Program
Indianapolis, Indiana

The Power of Shared Data and WorldCat & Open Access

Ted Fons
OCLC



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Collective Impact and the Power of Shared Data



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Today's online information seekers have many choices



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The problem with access to library collections:

People aren't using the library catalog?

(No... that's just a fact.)

The real problem is that we don't expose our collections very well on the web.

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The fundamental questions:

How to connect users to library collections on the web?

And what does the web want?



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What the Web wants

What is required to join the web of data?



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What the Web wants

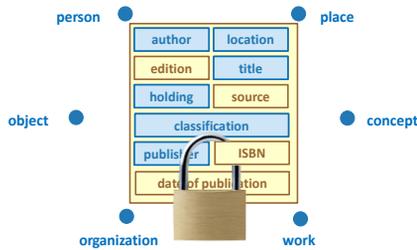
Some things the web wants:

1. Size
2. Familiar structures
3. A network of links
4. Entity identifiers



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library data: stored as records



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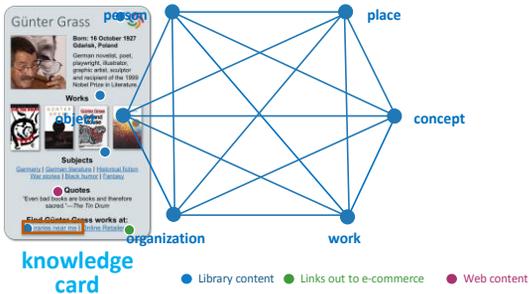
library data stored as entities
library knowledge graph



Knowledge cards for libraries

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library data stored as entities
library knowledge graph



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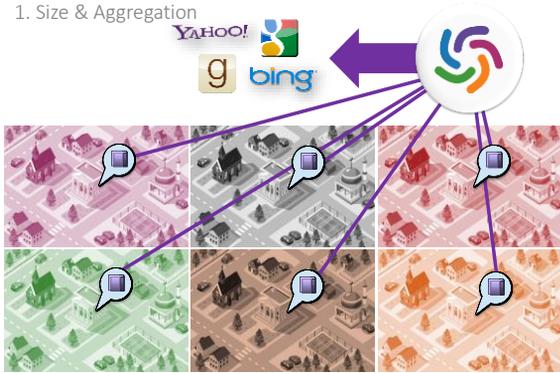
What the Web wants

We are already doing a lot of this...

- 1. Size = Aggregation 
- 2. Familiar structures = Linked Data 
- 3. A network of links = Referrals 
- 4. Entity identifiers = Identifiers 

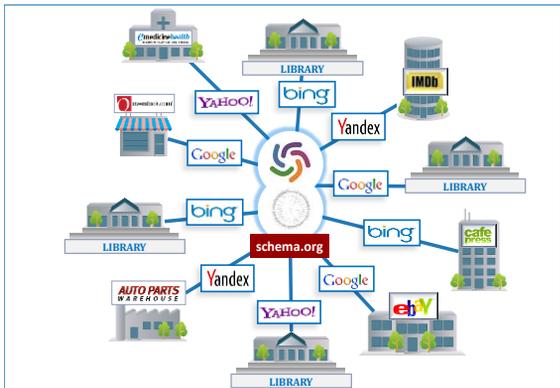
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1. Size & Aggregation



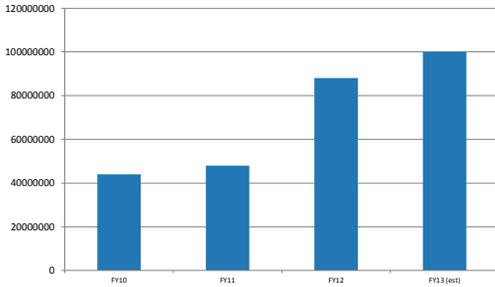
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2. Familiar Structures



3. Network of Links

End users will "Find in a Library" through WorldCat.org more than 100 million times in 2013!



4. A Network of Links & Entity Identifiers

WIKIPEDIA
The Free Encyclopedia

Chief Joseph
From Wikipedia, the free encyclopedia

WorldCat
Blood struggle: the rise of modern Indian nations

VIAF
Virtual International Authority File

Authority control VIAF: 33289715

Online databases

- Find this book at WorldCat free online cat
- Find this book at African personal library catalog
- Find this book at Goodreads personal library catalog
- Find this book at LibraryThing personal library catalog
- Find this book at Scribe personal library catalog
- Find this book at OneDrive.com citation meta-search
- Find this book at Copyright Clearance Center online rights database
- Find this book at Open Library
- Find this book at The Universal Digital Library (or [cdp](#), [cn](#) or [in](#))
- Find this book at the Open Content Database
- Find this book at the Internet Speculative Fiction Database

How does a library contribute to all of this?

1. Register **Add your holdings to the network**

2. Aggregate

3. Expose

WorldShare

- Analytics
- Discovery
- Cataloging
- Circulation
- Acquisitions
- License Mgmt



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Open Access Content in WorldCat

- What it in WorldCat?
- How is it used?
- Future projects

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Digital Collections

Goal: Make all Institutional Repositories and Archives of interest to the membership discoverable and accessible

How: Seek out key digital collections and harvest them and provide tools that allow libraries to contribute their collections

Status: 22 million+ records from repositories that include HathiTrust, Google Books, OAlster, NDLTD: the Networked Digital Library of Theses and Dissertations



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Horizontal lines for notes.

Breakdown of Open Access Sources in WorldCat

WorldCat Knowledge Base

- Various Sources: 3,300,000 Open Access Items

WorldCat Cataloging

- Various Sources: ~4,000,000 Open Access Items
• HathiTrust
• GoogleBooks
• OAPEN
• Hindawi
• Biodiversity Heritage Library
• Internet Archive (Partial)
• SciELO

WorldCat Local Central Index

- BioMed Central
• PLoS
• NLM
• Bentham

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Horizontal lines for notes.

Digital Collections in WorldCat

Digital Collections / Institutional Repositories in WorldCat

- Millions of records
Digitized (scanned) books, journal articles, newspapers, manuscripts and more
Digital text
Audio files (wav, mp3)
Video files (mp4, QuickTime)
Photographic images (jpeg, tiff, gif)
Data sets (downloadable statistical information)
Theses and research papers
• Over 1,700 contributors
• No charge to participate

Digital Collection Gateway

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Horizontal lines for notes.

How is it used?

Results 1-3 of about 3 (13 seconds)

Select All Clear All Save to: [New List] Save

1. **Dr. Fred Kilgour - Henderson lecture.**
by Frederick G Kilgour, University of North Carolina.
DVD video
Language: English
Publisher: [Dublin, OH]: OCLC, 2003.
Database: WorldCat.org
Libraries that own this item: [WorldCat Libraries](#)

2. **MASC XX project : oral history, 1988-1990.**
Archival material
Language: English
Database: WorldCat.org
Libraries that own this item: [WorldCat Libraries](#)

3. **Volume 1, Issue 1, Fall 1993**
Downloadable article Peer-reviewed
Publication: Peace Economics, Peace Science and Public Policy, v1 n1 (19931001): Issue 1
Database: Berkeley Electronic Press
Libraries that own this item: [WorldCat Libraries](#)

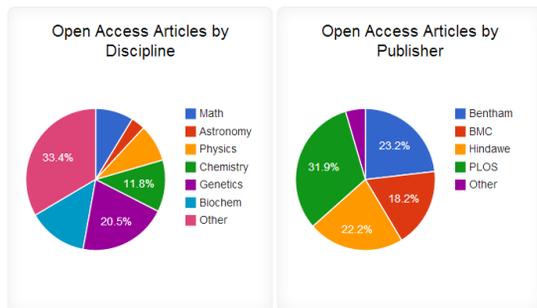
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Future Projects: OCLC's Innovation Lab

- OCLC is harvesting and integrating Open Access content with an experimental harvester.
- We are developing the ability to relate this content to traditional workflows in publishing, library services and end-user environments.
- This effort is complementary to, or even integral to our Linked Data strategy. Our ability to form relationships through identifiers gives us a unique ability to connect Open Access, and even Open Web content to traditionally published materials.

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OCLC's Innovation Lab: Early Results



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