Libraries and Cooperative Systems

NALIS Forum – Sofia

24 September 2010

Karen Calhoun, OCLC

Slideshare.net: http://www.slideshare.net/amarintha/library-cooperative-systems

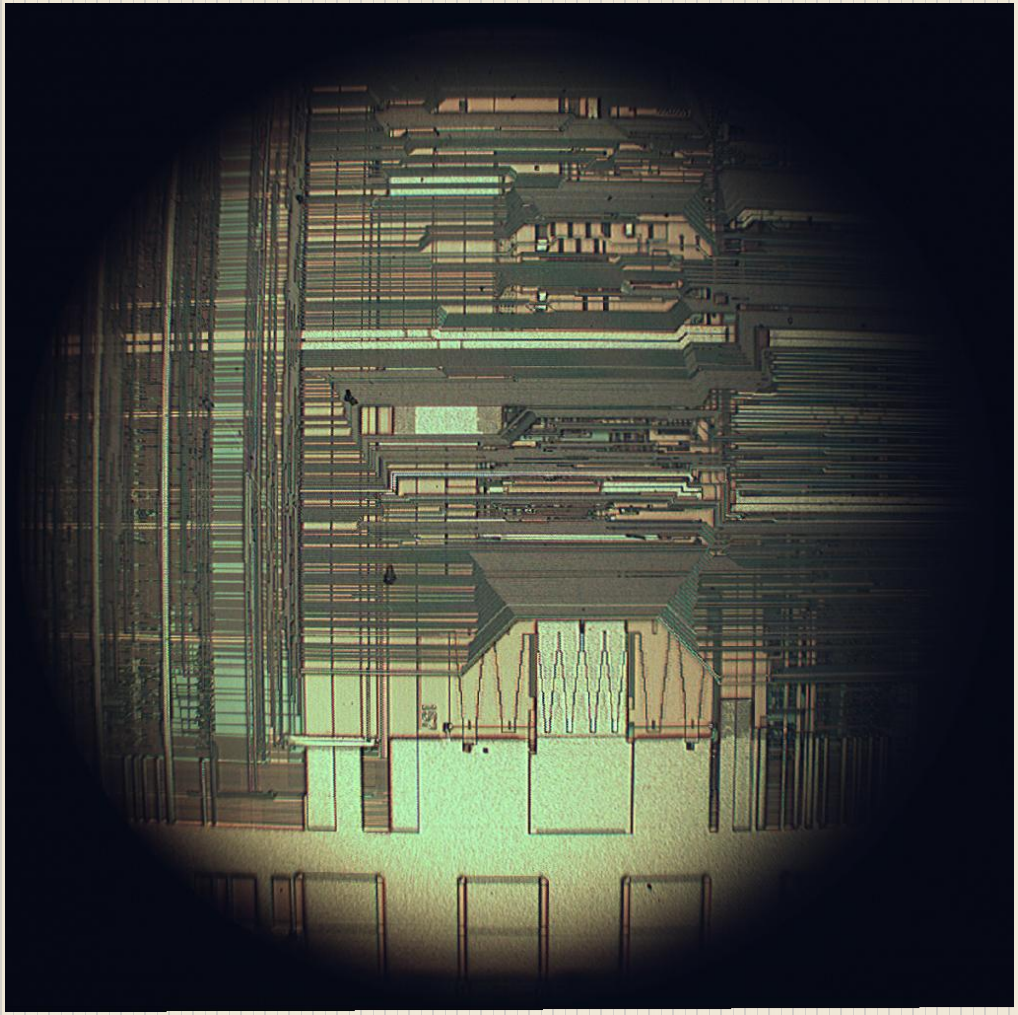
cc BY NC SA

Cooperative Systems at the Crossroads

Alice:
'Would you tell me, please, which way I ought to go from here?‘

'That depends a good deal on where you want to get to,' said the Cat.

Small Things That Change Everything



Photograph by User:Uberpenguin of the upper interconnect layers on an Intel chip taken with an optical microscope at 200x magnification

http://en.wikipedia.org/wiki/File:80486DX2_200x.png

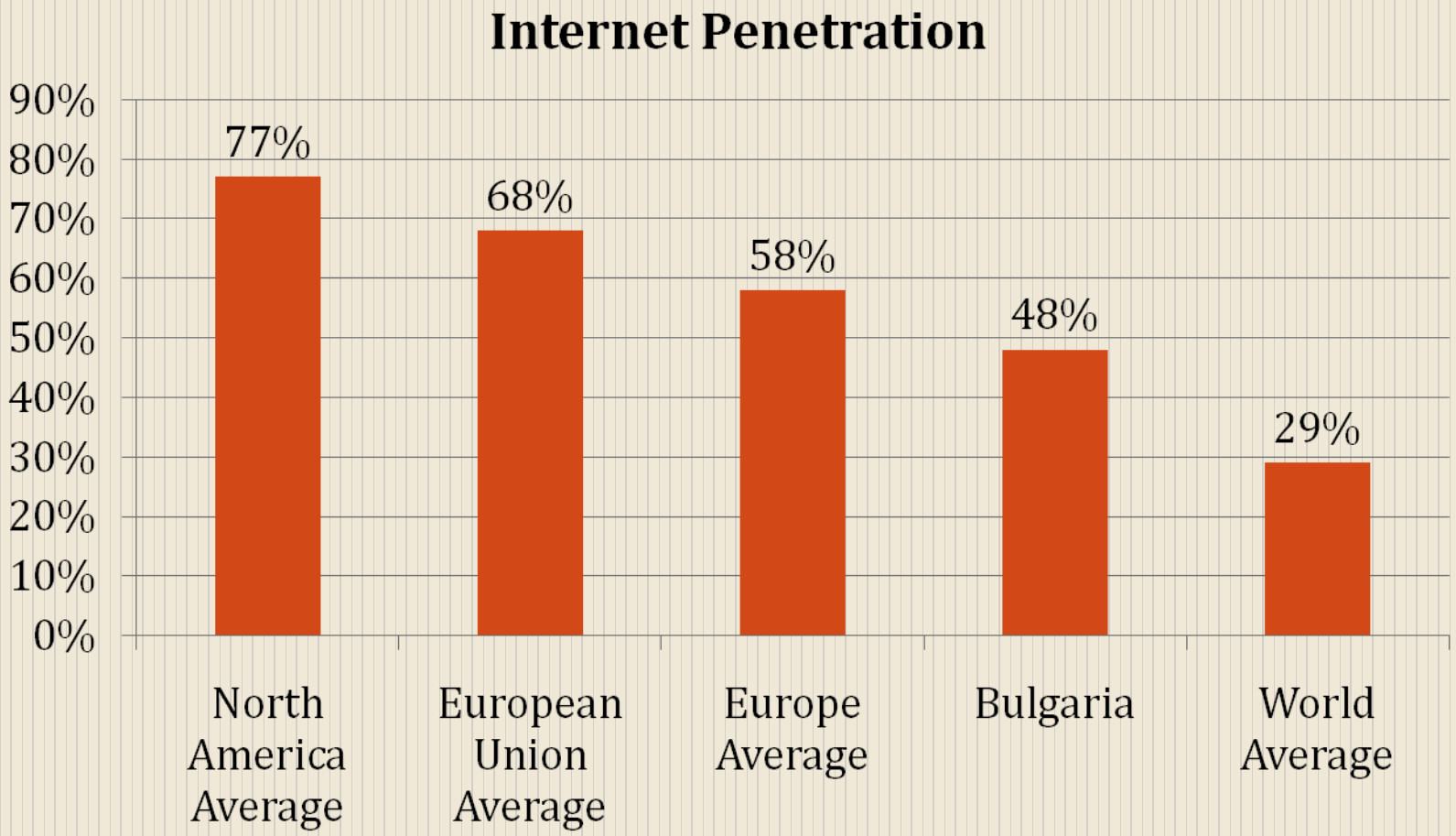
Empowering Connections and Conversations in an Entirely New Way

Cell phone mania. By vanhalligan. http://www.flickr.com/photos/vanhalligan/3126639463/

Internet World Stats

Usage and Population Statistics

http://www.internetworldstats.com/stats.htm



The Search Engine Challenge

Q: Where do you typically begin your search for information on a particular topic?

Search Engines

84%

Library Portals

2%

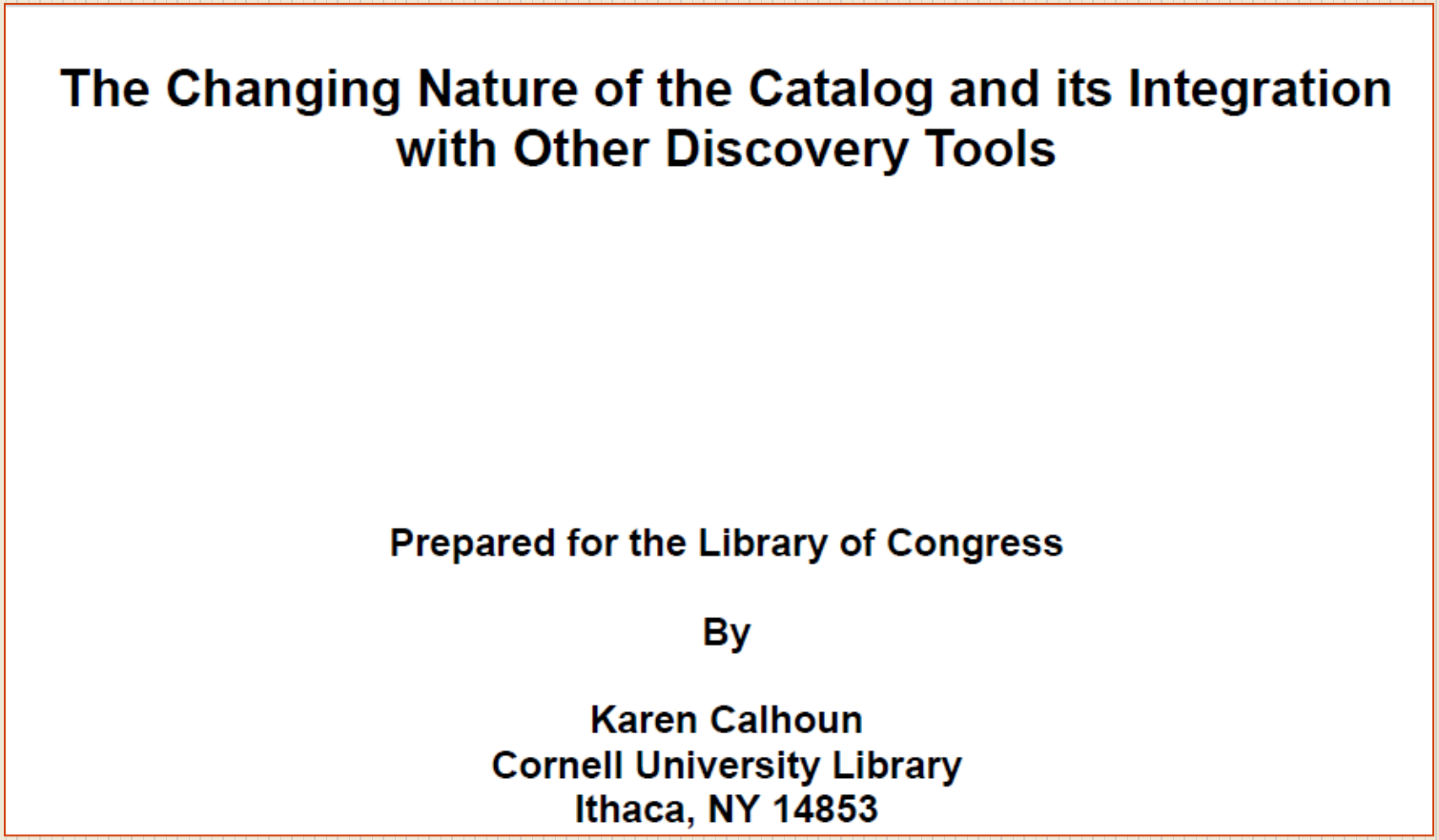
From OCLC: *Perceptions of Libraries and Information Resources (2005)*

Brace for Change … Embrace Change

It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.
--Charles Darwin.

Photo of Charles Darwin by Ernest Edwards, London. Prior to 1882, Repository: Smithsonian Institution.
http://photography.si.edu/SearchImage.aspx?t=5&id=3525&q=SIL14-D1-09

My Report to the Library of Congress



The Changing Nature of the Catalog and its Integration with Other Discovery Tools

Prepared for the Library of Congress

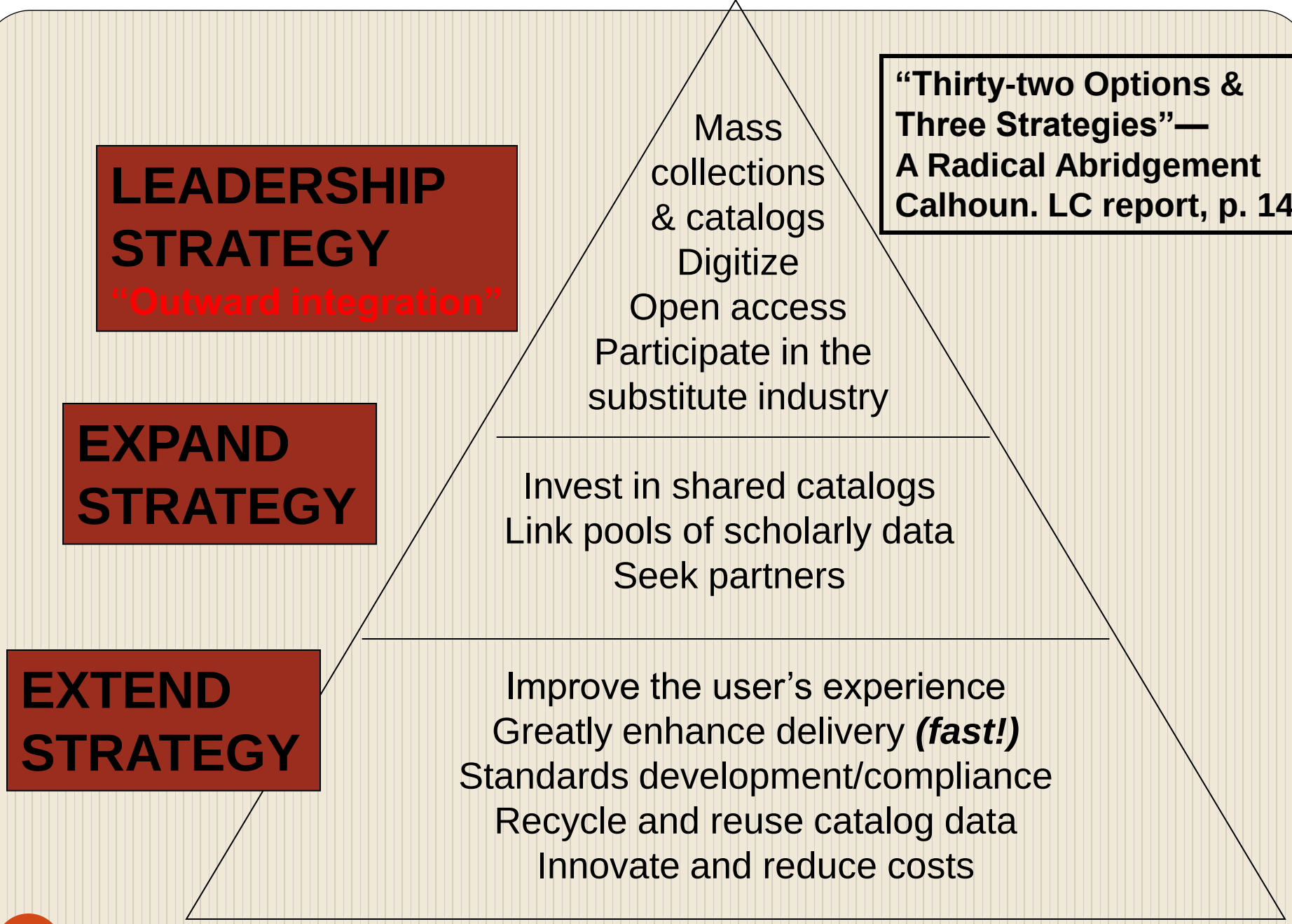
By

Karen Calhoun
Cornell University Library
Ithaca, NY 14853

2006

http://www.loc.gov/catdir/calhoun-report-final.pdf

“Thirty-two Options & Three Strategies”—A Radical Abridgement
Calhoun. LC report, p. 14



Library Cooperation as Adaptive Behavior

eifl
knowledge without boundaries

NALIS FOUNDATION
NATIONAL ACADEMIC LIBRARY AND INFORMATION SYSTEM

Български Информационен Консорциум

WorldCat®
Window to the world's libraries

COBISS.Net

CENL
Foundation Conference of European National Librarians

Die Europäische Bibliothek L
sos The European Library De l
uropeos La Biblioteca Europe

europeana
local

Bulgarian Library and Information Association

"Modern librarianship is not possible without cooperation between libraries."
-- *Nadya Terzieva, Radostina Todorova*

http://elpub.scix.net/data/works/att/208_elpub2006.content.pdf

“Outward Integration”

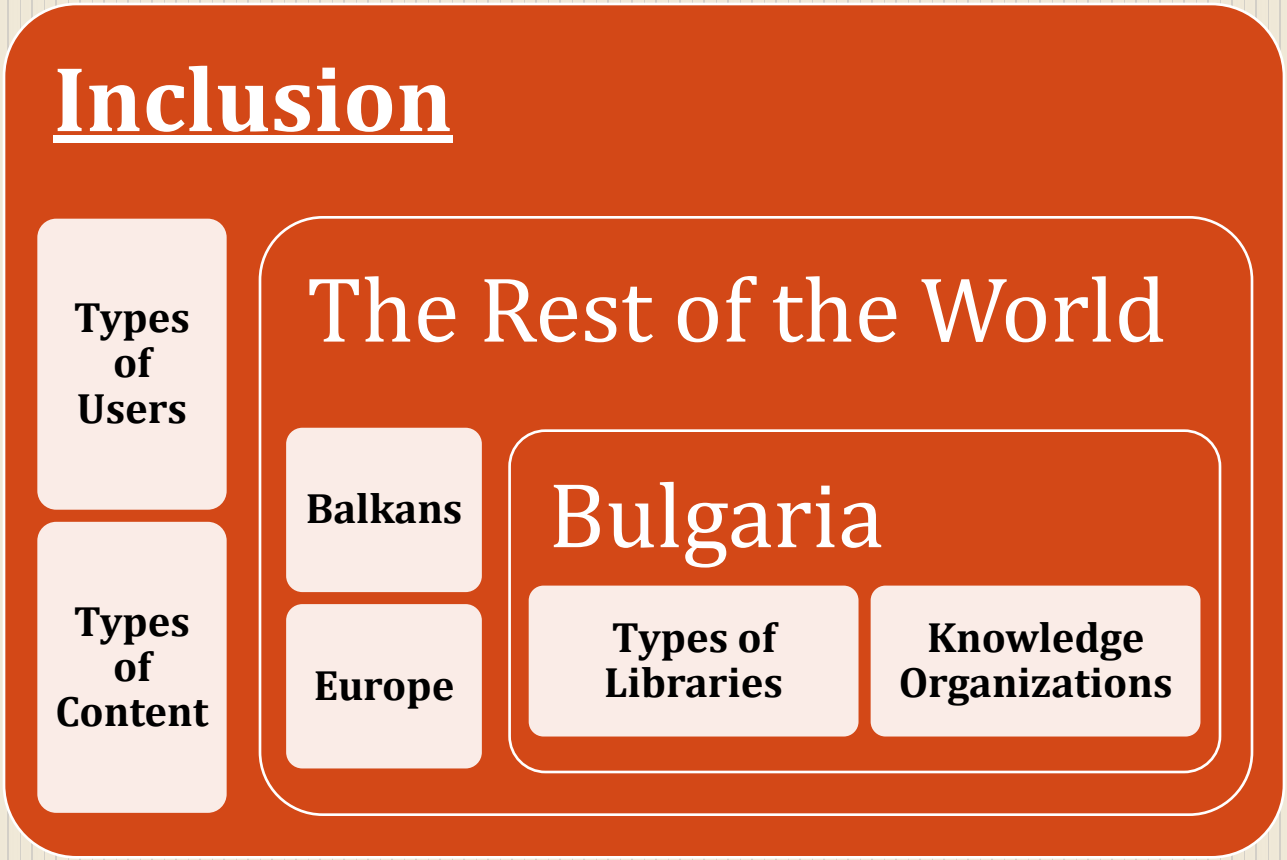
“Integration should be outward rather than inward, with libraries seeking to use their components in new ways”

--Interviewee for LC report on future of the catalog, p. 37

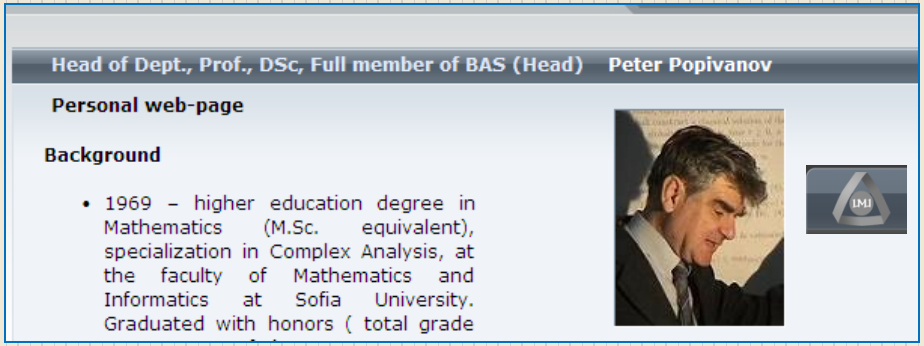
Long Term Vision

- Local catalog linked to a chain of services
- Infrastructure to permit global, national or regional, and local discovery and delivery of information among open, loosely-coupled systems
- Massive aggregation of licensed & digitized publications, special collections, and born digital materials online
- Many starting points on the Web leading to many types of information objects
- Integrate library-managed collections into the user's workflow on the network

Next steps to consider …



Inclusion of Types of Information Seekers: Experts, Students, Citizens and Digital Natives Have a Lot in Common



What They Want:
- Self-service
- Satisfaction
- Seamlessness

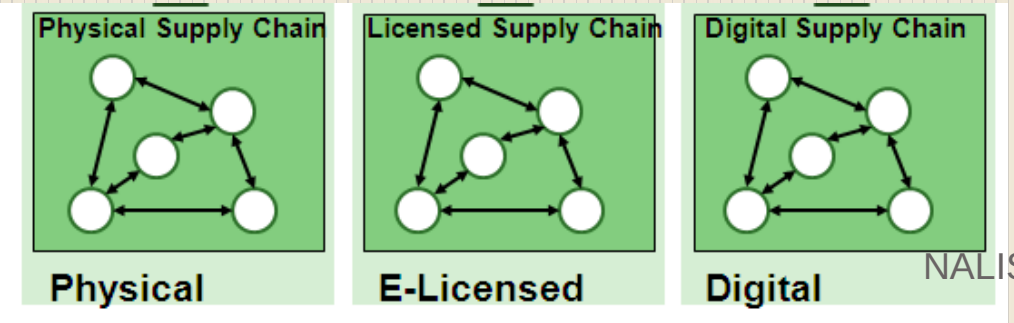
Photo credits at end

Inclusion of More Types of Content: What Is "The Collection"? Where Do Collections For Citizens, Students and Scholars Come From?

"[T]he stuff of cultural heritage collections, digital assets, pre-print services and the open Web, research labs, and learning management systems remains for the most part outside the scope of the catalog.

Scholarly information objects now include digitized rare and historical materials, textual primary source materials, graphical images, materials described in institutional and disciplinary repositories, conference Web sites, scholarly Web sites … data sets, software, simulations, a rising array of multimedia resources, learning objects and courses—the list goes on."

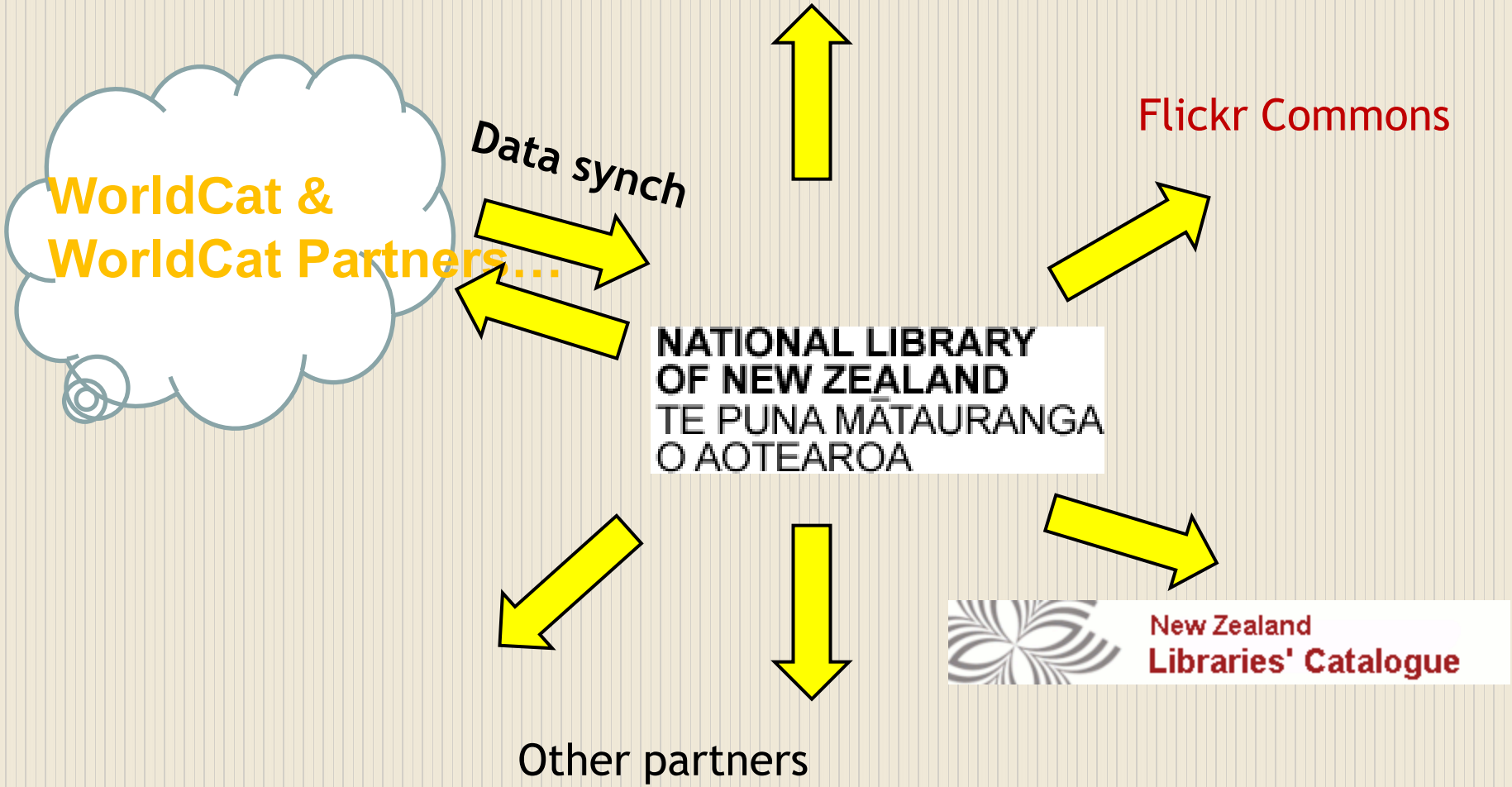
--LC report, p. 24



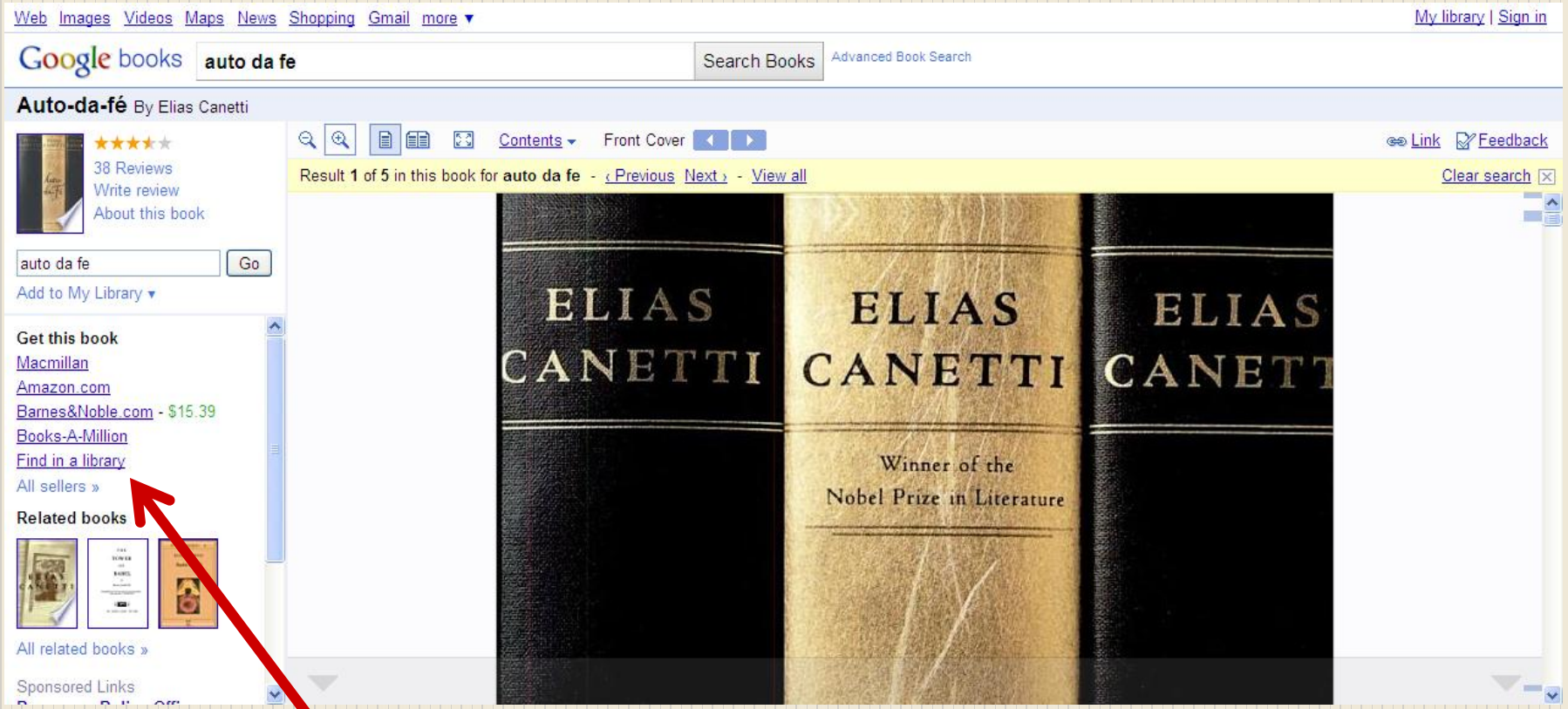
What If …

- … library collections were more visible on the Web?

Outward Integration: Data Synchronization and Syndication

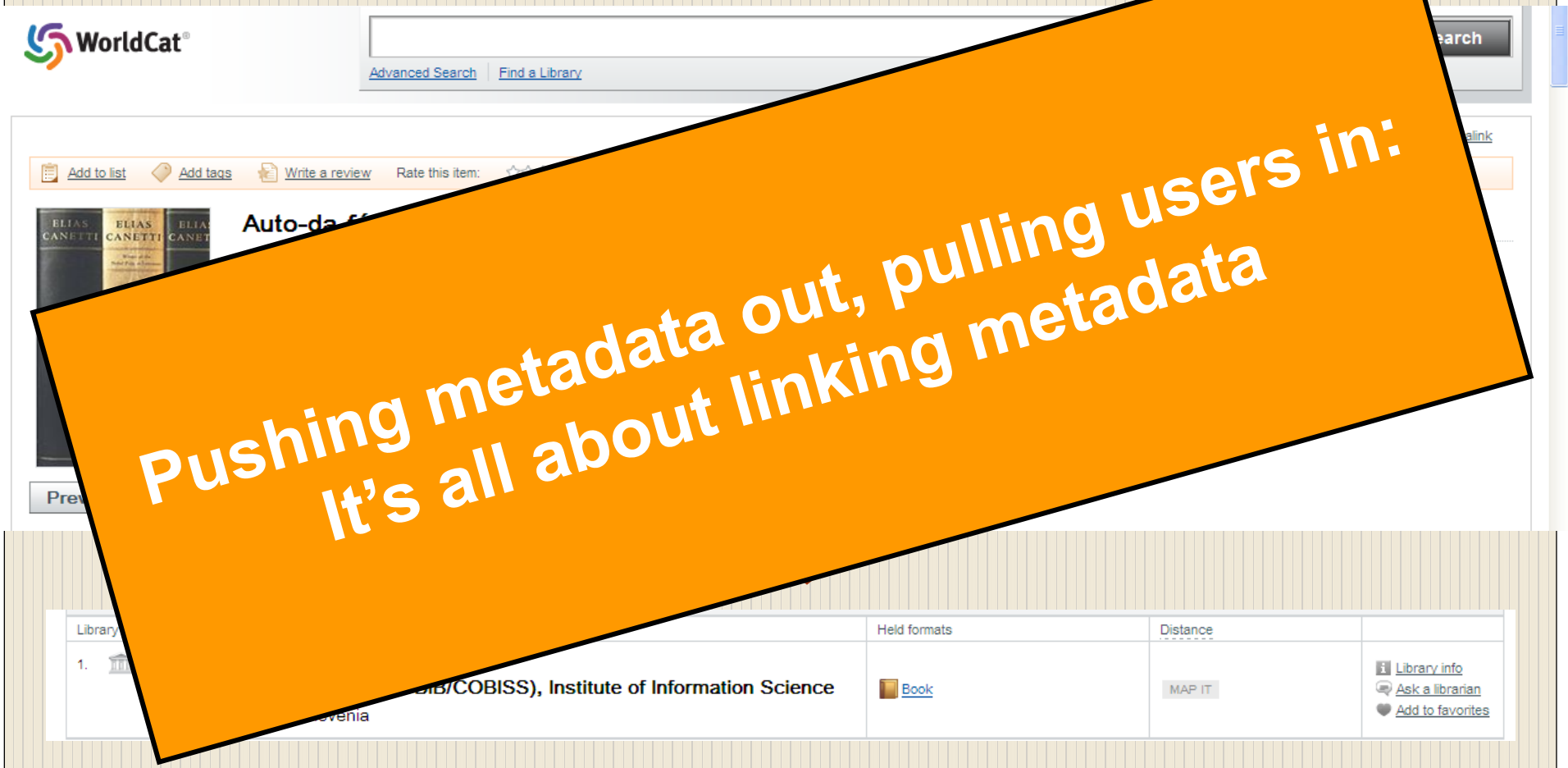


An Example of Syndication: Start on Google Book Search …



Find in a library

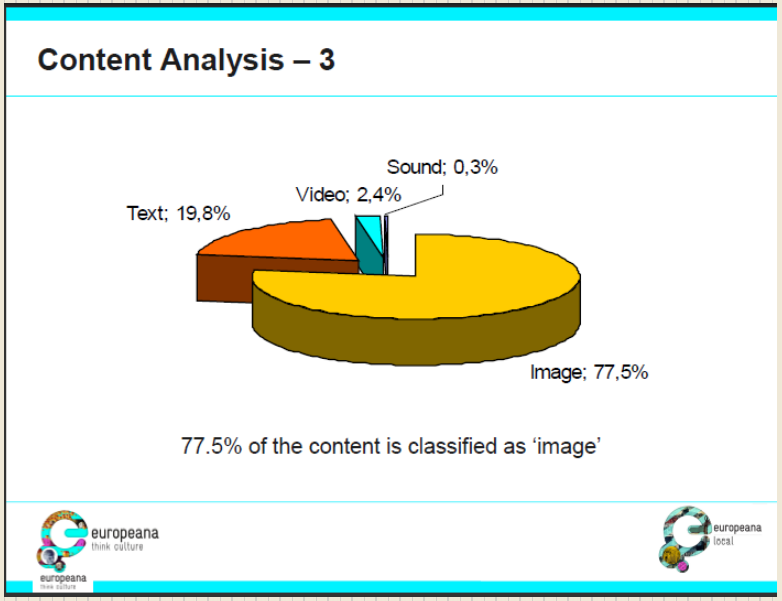
… Get It From My Library



Pushing metadata out, pulling users in: It's all about linking metadata

What If …

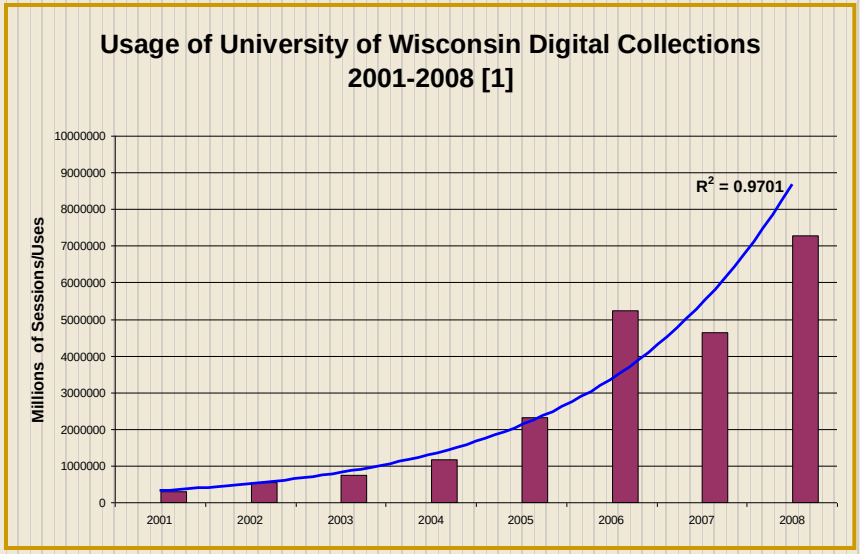
- We could enable discovery and delivery of a wider range of information objects?



Europeana content

"Today's catalog covers an important core collection (mostly books and journals, electronic and print), but a shrinking proportion of what students and scholars want to find and use."—LC report, p. 28

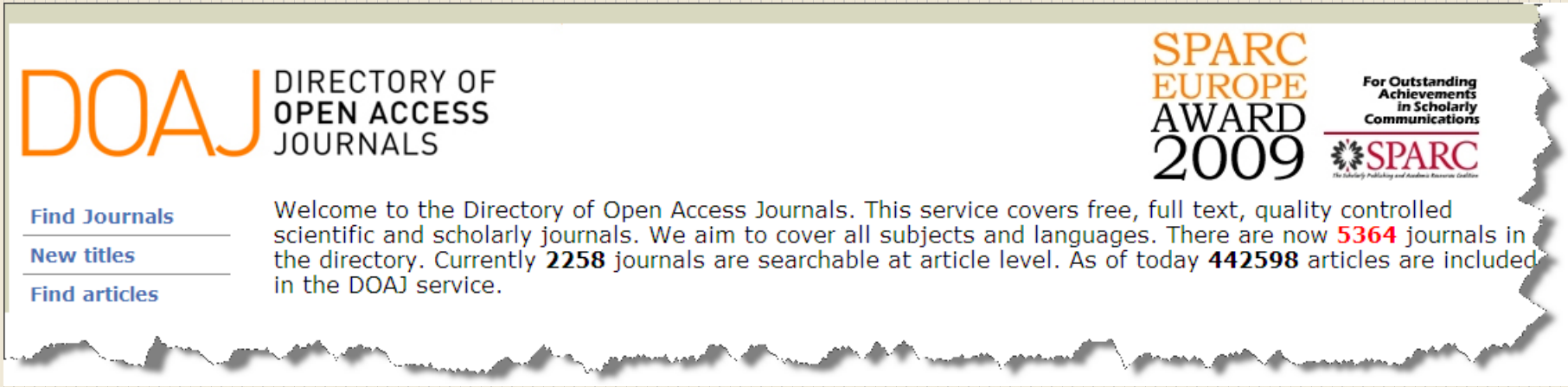
Research into use and users of digital library collections



"The function of searching across collections is a dream frequently discussed but seldom realized at a robust level. This paper … discusses how we might move from isolated digital collections to interoperable digital libraries."
—Howard Besser

"Digital libraries, far from being simple digital versions of library holdings, are now attracting a new type of public, bringing about new, unique and original ways for reading and understanding texts."—BibUsages Study, BnF, 2002

Open Access Journals



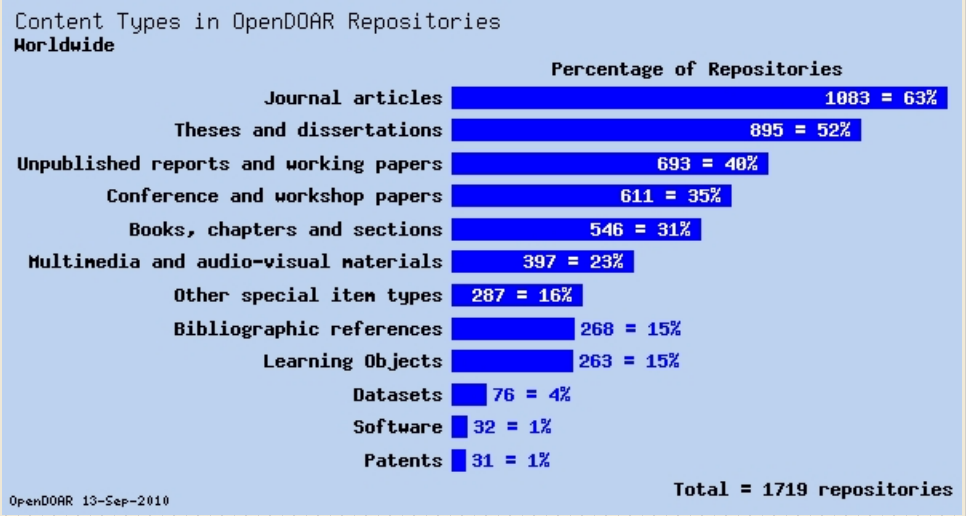
5,364 journals worldwide; 26 from Bulgaria

Worldwide Open Access Repositories

Source:

OpenDOAR

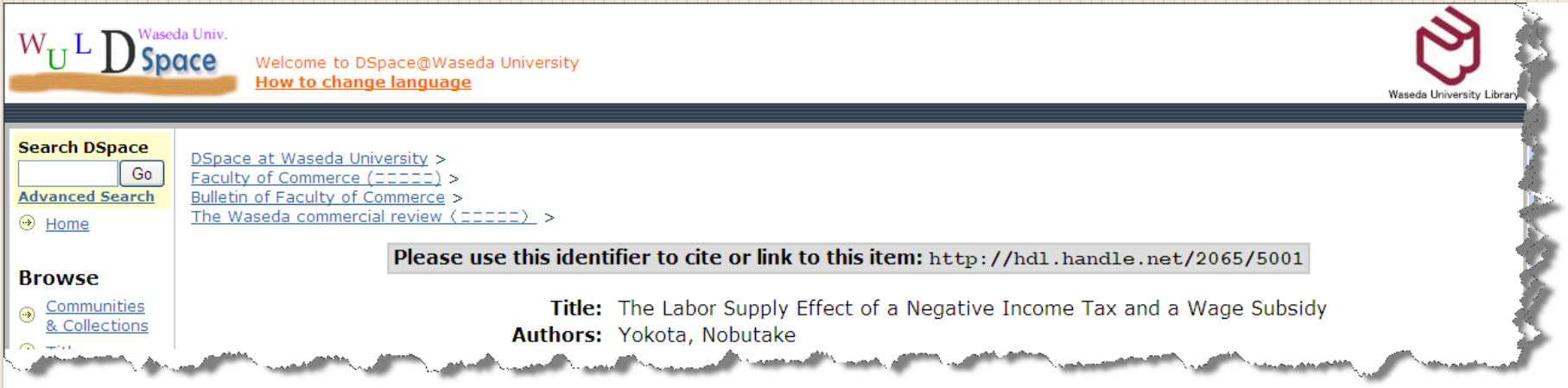
1,719 repositories worldwide



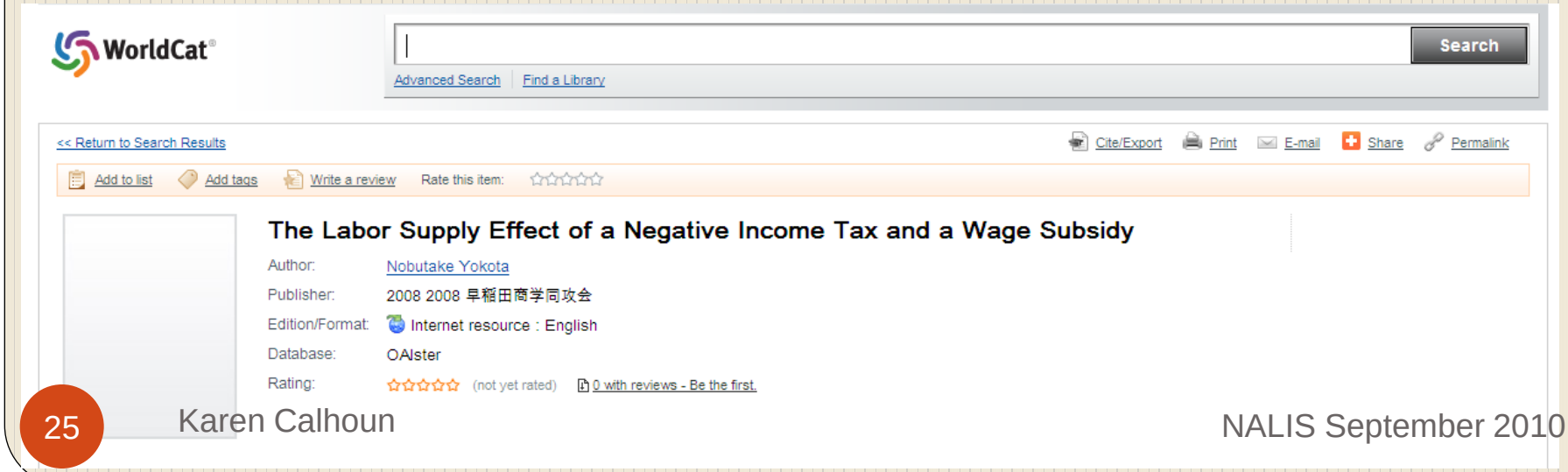
Bulgaria

- Bulgarian Academy of Sciences - http://www.bas.bg/
  1. *Repository at Institute of Mathematics and Informatics* **(DSpace at IMI)**
     http://sci-gems.math.bas.bg:8080/jspui/
- New Bulgarian University - http://www.nbu.bg/
  1. *New Bulgarian University Scholar Electronic Repository*
     http://eprints.nbu.bg/
- Sofia University "St. Kliment Ohridski" - http://www.uni-sofia.bg/
  1. *Research at Sofia University*
     http://research.uni-sofia.bg/

Institutional Repository Metadata in WorldCat: OAIster



OAIster harvesting



OAIster

- Aggregation (union catalog) of harvested open access collections
- OAI-OMH
- 25 million records, 1100 contributing institutions
- Began at University of Michigan; now managed by OCLC
- Going to self-service contribution model (Digital Collections Gateway)

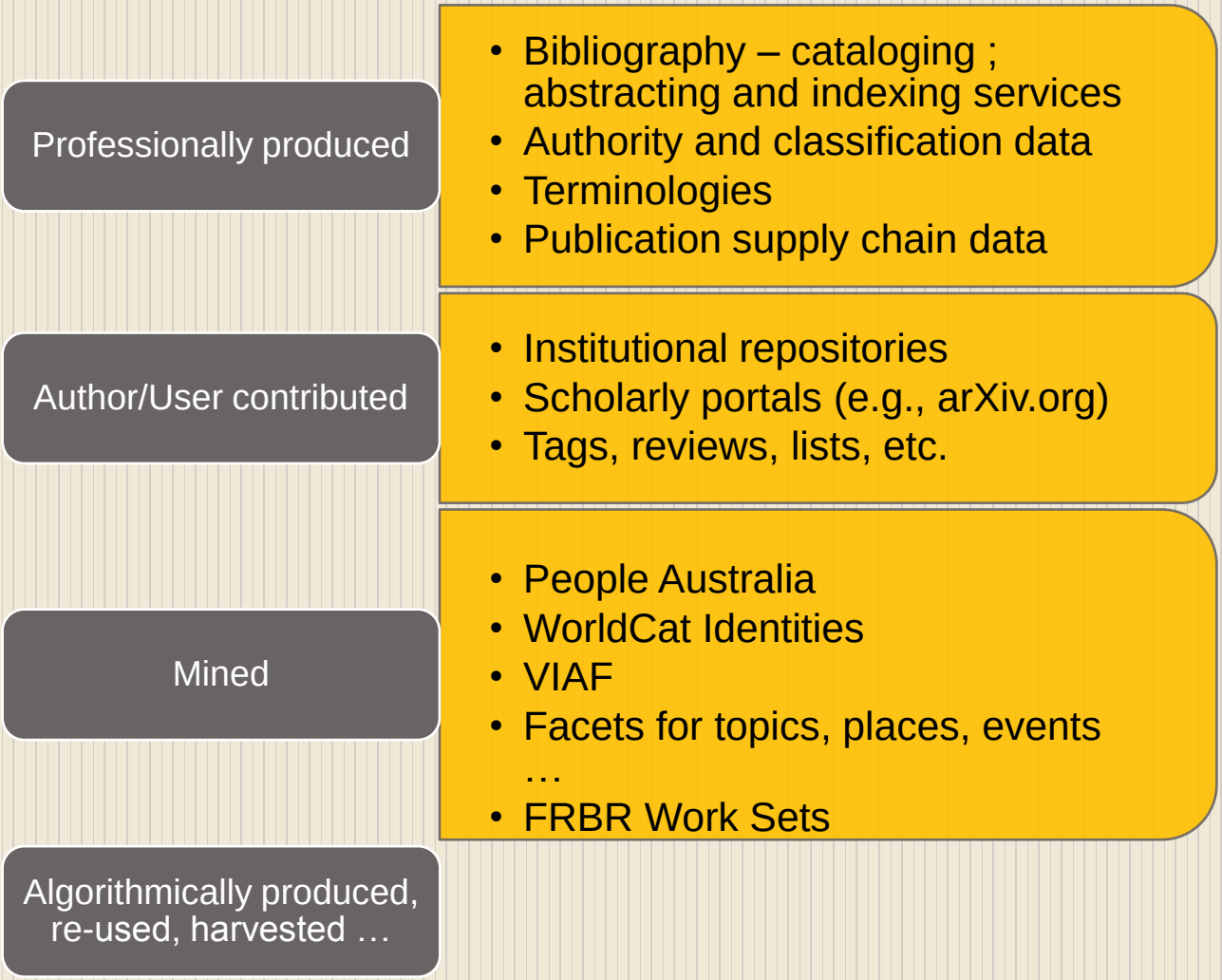
OCLC's Digital Collections Gateway

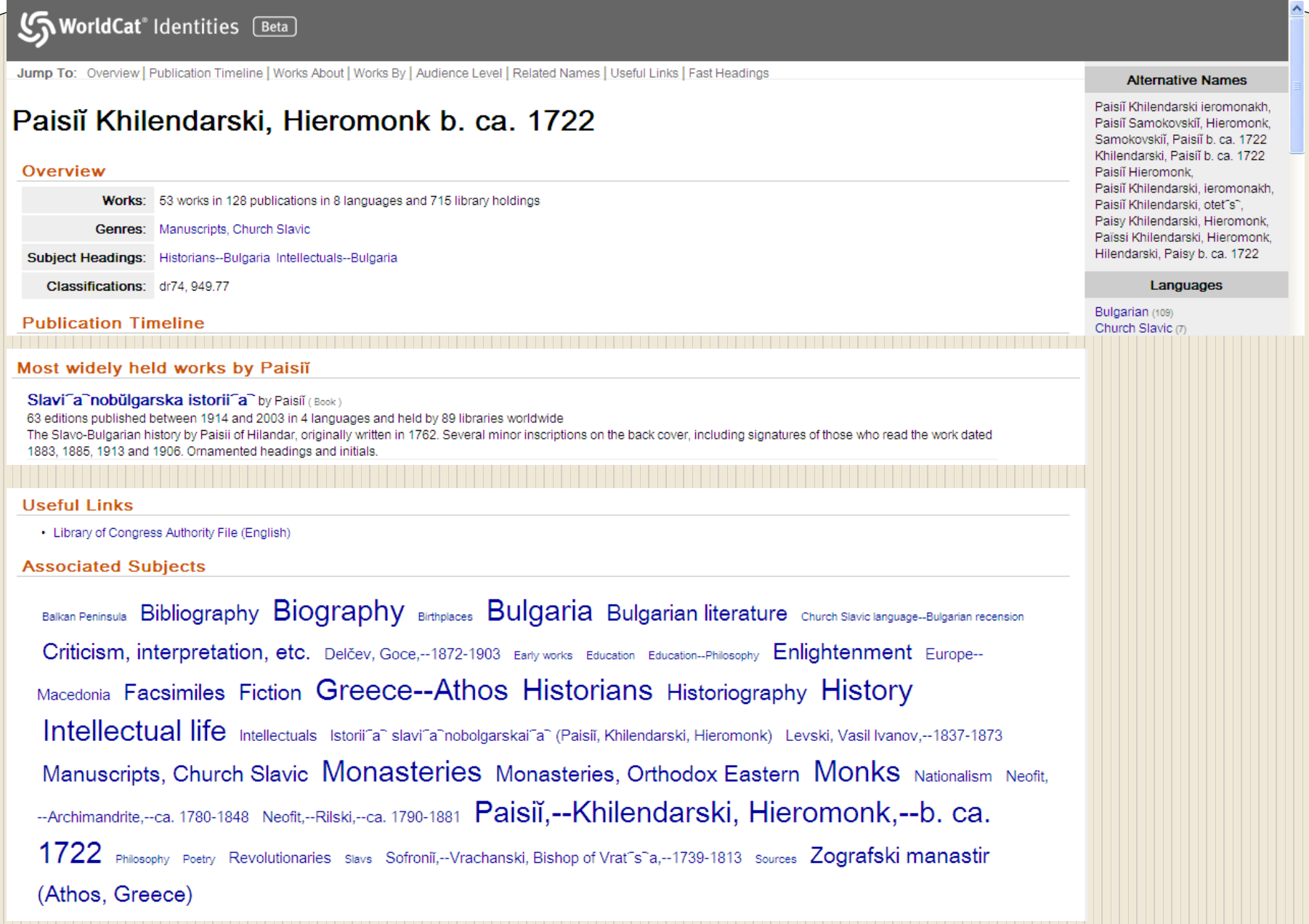
- Self-service tool for uploading to WorldCat
- Freely available to members and non-members of OCLC
- Makes digital content more visible
- Compatible with all OAI-compliant repositories
- More information: http://www.oclc.org/gateway/about/default.htm

What If …

- We could collectively take better advantage of the metadata we have already produced?

Metadata Sources




WorldCat® Identities Beta
Jump To: Overview | Publication Timeline | Works About | Works By | Audience Level | Related Names | Useful Links | Fast Headings
Paisiĭ Khilendarski, Hieromonk b. ca. 1722
Overview
Works: 53 works in 128 publications in 8 languages and 715 library holdings
Genres: Manuscripts, Church Slavic
Subject Headings: Historians--Bulgaria Intellectuals--Bulgaria
Classifications: dr74, 949.77
Publication Timeline
Alternative Names
Paisiĭ Khilendarski ieromonakh,
Paisiĭ Samokovskiĭ, Hieromonk,
Samokovskiĭ, Paisiĭ b. ca. 1722
Khilendarski, Paisiĭ b. ca. 1722
Paisiĭ Hieromonk,
Paisiĭ Khilendarski, ieromonakh,
Paisiĭ Khilendarski, otet͡s͡,
Paisy Khilendarski, Hieromonk,
Paissi Khilendarski, Hieromonk,
Hilendarski, Paisy b. ca. 1722
Languages
Bulgarian (109)
Church Slavic (7)
Most widely held works by Paisiĭ
Slavi͡a͡nobŭlgarska istorii͡a͡ by Paisiĭ (Book)
63 editions published between 1914 and 2003 in 4 languages and held by 89 libraries worldwide
The Slavo-Bulgarian history by Paisii of Hilandar, originally written in 1762. Several minor inscriptions on the back cover, including signatures of those who read the work dated 1883, 1885, 1913 and 1906. Ornamented headings and initials.
Useful Links
• Library of Congress Authority File (English)
Associated Subjects
Balkan Peninsula Bibliography Biography Birthplaces Bulgaria Bulgarian literature Church Slavic language--Bulgarian recension Criticism, interpretation, etc. Delčev, Goce,--1872-1903 Early works Education Education--Philosophy Enlightenment Europe--Macedonia Facsimiles Fiction Greece--Athos Historians Historiography History Intellectual life Intellectuals Istorii͡a͡ slavi͡a͡nobolgarskai͡a͡ (Paisiĭ, Khilendarski, Hieromonk) Levski, Vasil Ivanov,--1837-1873 Manuscripts, Church Slavic Monasteries Monasteries, Orthodox Eastern Monks Nationalism Neofit, --Archimandrite,--ca. 1780-1848 Neofit,--Rilski,--ca. 1790-1881 Paisiĭ,--Khilendarski, Hieromonk,--b. ca. 1722 Philosophy Poetry Revolutionaries Slavs Sofroniĭ,--Vrachanski, Bishop of Vrat͡s͡a,--1739-1813 Sources Zografski manastir (Athos, Greece)

VIAF: Virtual International Authority File

VIAF: The Virtual International Authority File

VIAF is a joint project of several national libraries, implemented and hosted by OCLC. The project's goal is to lower the cost and increase the utility of library authority files by matching and linking the authority files of national libraries, and then making that information available on the Web.

Participating institutions are:

- National Library of Australia
- National Library of the Czech Republic
- Bibliotheca Alexandrina (Egypt)
- Bibliothèque nationale de France
- Deutsche Nationalbibliothek
- Getty Research Institute
- National Library of Israel
- Istituto Centrale per il Catalogo Unico (Italy)
- Biblioteca Nacional de Portugal
- Biblioteca Nacional de España
- National Library of Sweden
- Swiss National Library
- Library of Congress/NACO
- Vatican Library
- NUKAT Center (Poland)
- Library and Archives Canada
- NII (Japan)
- National Széchényi Library (Hungary)

We also load files into VIAF for testing:

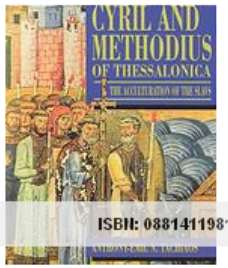
- RERO (Switzerland) -test

The search box at the top of this page searches a merged view of VIAF, currently derived from the personal name authority and related bibliographic data of the participating libraries.

Search

Select Field: All Fields | Select Index: All VIAF | Search Terms: Saint Cyril, Apostle of the Slavs, ca. 827 869 | Search

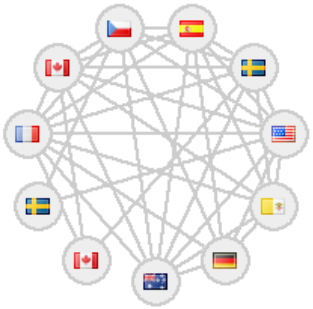
Selected Covers



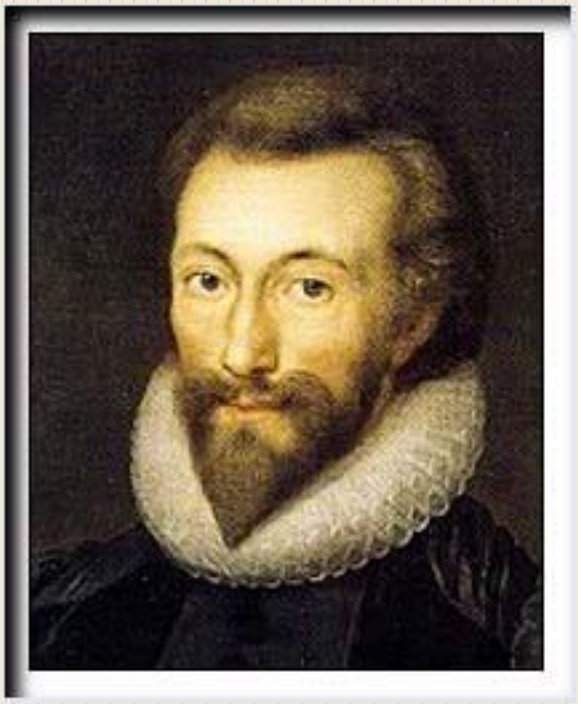
Cyril, Saint, Apostle of the Slavs, ca. 827-869
Konstantin, svatý, 827-869
Cyrillus Sanctus 826-869
Cyrillus, s., apostolo degli Slavi, c. 827-869
Cyrille saint 0827?-0869
Kyrillos, helgon, slavernas apostel, ca 827-869
Cirilo, Santo, Apóstol de los Eslavos ca. 827-869
Cyrille, saint, apôtre des Slaves, ca 827-869
VIAF ID:10637017

Preferred Forms

100 ‡a Cyril, ‡c Saint, Apostle of the Slavs, ‡d ca. 827-869
100 ‡a Cyrillus ‡c Sanctus ‡d 826-869
100 ‡a Cyrillus, ‡c s., apostolo degli Slavi, ‡d c. 827-869
100 ‡a Cyril, ‡c Saint, Apostle of the Slavs, ‡d ca. 827-869
100 ‡a Kyrillos, ‡c helgon, slavernas apostel, ‡d ca 827-869
100 ‡a Cirilo, ‡c Santo, Apóstol de los Eslavos ‡d ca. 827-869
100 ‡a Konstantin, ‡c svatý, ‡d 827-869
100 ‡a Cyril, ‡c Saint, Apostle of the Slavs, ‡d ca. 827-869
200 ‡a Cyrille ‡c saint ‡f 0827?-0869
100 ‡a Kyrillos, ‡c helgon, slavernas apostel, ‡d ca 827-869
100 ‡a Cyrille, ‡c saint, apôtre des Slaves, ‡d ca 827-869



Thank You!



No man is an Island, entire of itself;
every man is a piece of the Continent,
a part of the main.
Meditation XVII, John Donne

Photo and Image Credits

- Slide 15
  - Web page of Peter Popivanov, IMI: http://www.math.bas.bg/new/site/?call=USE~emp;&id=225&sid=24
  - Craftsman and children. In Bulgaria people [set]. By: opalpeterliu. http://www.flickr.com/photos/peteropaliu/3165811289/in/set-72157612095618849/ and http://www.flickr.com/photos/peteropaliu/3166687556/in/set-72157612095618849/
  - La Grande bibliothèque nationale du Québec. By: Master Long. http://flickr.com/photos/long/12987307/
- **Slide 17**
  - Sofia University Library. By: lamanyana. http://www.flickr.com/photos/mlf/3039745422/
  - Bulgarian National Library. By: Jdiemer. http://upload.wikimedia.org/wikipedia/commons/a/ab/The_Bulgarian_National_Library_-_named_after_the_brothers_Cyril_and_Methodius.jpg
  - Pencho Slaveykov Public Library Varna. Main Building. http://www.libvar.bg/library/tour/index-eng.html
- **Slide 21**
  - Europeana Content pie chart., p. 25. In: Europeana Content Strategy. http://version1.europeana.eu/c/document_library/get_file?uuid=b7b24d45-116e-442f-8b85-fbf931ebee72&groupId=10602
- **Slide 33**
  - Image of John Donne. http://en.wikipedia.org/wiki/File:JohnDonne.jpg