Web 2.0 Technologies and Information Services

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Outline

• What is Web 2.0?
• What is Library 2.0?
• What is in them for information professionals?
• Conclusion
Digital Citizenship Test


2. Do you (not your kids or grandkids) own an ipod?

3. Have you tried out a Wii?

4. Have you used a smart phone or mobile phone, video, 

5. Do you Blog, blog, blog? What have you learned?

6. Do you know who “Lonely Girl 15” is?

7. Can you

8. Have you ever WiFi’d in Starbucks?

9. Do you know the importance of “mashup” sites? Have you competed in a Mash Up competition?

10. What does MID mean?

11. What is more collaborative Sharepoint or Wiki and what is the difference?

Source: Fred Stein, Digital Immigrants, Digital Natives and the Information Age
Digital Immigrants

Assumes and Demands “Connectiveness”
Is Comfortable with and Demands Mobile Social Software

Why do DN like Social Networks?
Why do DN use Social Bookmarks?

Source: Fred Stein, Digital Immigrants, Digital Natives and the Information Age
What is Web 2.0

Design Patterns and Business Models for the Next Generation of Software

by Tim O'Reilly
09/30/2005

The bursting of the dot-com bubble in the fall of 2001 marked a turning point for the web. Many people concluded that the web was overhyped, when in fact bubbles and consequent shakeouts appear to be a common feature of all technological revolutions. Shakeouts typically mark the point at which an ascendant technology is ready to take its place at center stage. The pretenders are given the bum's rush, the real success stories show their strength, and there begins to be an understanding of what separates one from the other.

The concept of "Web 2.0" began with a conference brainstorming session between O'Reilly and MediaLive International. Dale Dougherty, web pioneer and O'Reilly VP, noted that far from having

Web 2.0 definition

• World Wide Web technology and web design that aims to enhance creativity, information sharing, and, most notably, collaboration among users.

• development and evolution of web-based communities and hosted services, such as social-networking sites, wikis, blogs, and folksonomies.

Source: http://en.wikipedia.org/wiki/Web_2.0
Characteristics of Web 2.0

- rich user experience
- user participation
- dynamic content
- metadata
- web standards and scalability
- openness
- freedom
- collective intelligence by way of user participation

Source: http://en.wikipedia.org/wiki/Web_2.0
The Web As Platform

Web 2.0 Meme Map

Flickr, del.icio.us: Tagging, not taxonomy
PageRank, eBay reputation, Amazon reviews: user as contributor
Blogs: Participation, Not publishing
BitTorrent: Radical Decentralization
Gmail, Google Maps and AJAX: Rich User Experiences
Google AdSense: customer self-service enabling the long tail
Wikipedia: Radical Trust

Strategic Positioning:
- The Web as Platform

User Positioning:
- You control your own data

Core Competencies:
- Services, not packaged software
- Architecture of Participation
- Cost-effective scalability
- Removable data source and data transformations
- Software above the level of a single device
- Harnessing collective intelligence

"An attitude, not a technology"
The Long Tail
Data as the "Intel Inside"
The perpetual beta
Software that gets better the more people use it
Play
Rich User Experience

Hackability
The Right to Remix: "Some rights reserved"
Emergent: User behavior not predetermined
Granular Addressability of content

Trust your users
Small Pieces Loosely Joined (web as components)
Examples of Web 2.0 Technologies
• Wikis in Plain English (3’52” video)
Video: Podcasting in Plain English
Commoncraft’s Plain English Videos

- Wikis in Plain English (3’52” video)
- RSS in Plain English (3’44” video)
- Twitter in Plain English (2’20” video)
- Social Bookmarking in Plain English (3’25’ video)
- Social Networking in Plain English (1’50”)
- Blogs in Plain English
- Photosharing in Plain English (2’50”)

IMC Meeting, 28-30 May 2008, La Spezia, Italy
BBY 310 BILGI SİSTEMLERİ TASARIMI

20 MAYIS 2008 SALı:

Yeniden tasarım ödevleri

Merhaba:
Yeniden tasarım ödevlerinizi ve diğer bütün çalışmalarınızı değerlendirildim. Denemelerinizi ve yeniden tasarım ödevlerinizi bölümü yoluuz düşünügü üzere alabilirsiniz. Sınavlarınızda başarılar.

-yaşar

GÖNDEREN YAŞAR TONTA ZAMAN: 16:51  0 YORUM  

BLOG ARŞİVİ

2008 (57)

05/18 - 05/25 (1)
Yeniden tasarım ödevleri

05/11 - 05/18 (3)

05/04 - 05/11 (5)

04/27 - 05/04 (3)

04/20 - 04/27 (2)

04/13 - 04/20 (3)
RSS Feeds

- Feeds are documents used to transfer frequently updated digital content to users.
- This content ranges from news items, weblog entries, installments of podcasts, and virtually any content that can be parceled out in discrete units.
- * You syndicate, or publish, content by producing a feed to distribute it.
- * You subscribe to a feed by reading it and using it.
- * You aggregate feeds by combining feeds from multiple sources.

Source: http://mashupguide.net/1.0a/858Xch04.pdf
RSS feeds of Flickr photos that are tagged with “Silivri” (hometown nearby Istanbul)

It notifies me whenever a new picture with the tag “Silivri” is uploaded to Flickr by anyone.
Yahoo! Pipes (Hacettepe)


You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer and can be viewed in Internet Explorer and other programs. Learn more about feeds.

Subscribe to this feed

Half of Parliament’s smokers determined to quit with new bill - Today’s Zaman

News items on my university (Hacettepe) from different sources are gathered and fetched to my default iGoogle page.

Half of Parliament’s smokers determined to quit with new bill
Today’s Zaman, Turkey - May 12, 2008
Erdol, also a faculty member at Hacettepe University’s public health department, said that 80 percent of the deputy smokers surveyed said they would stop...
Tagging, Bookmarking and Social Networking Sites

- Del.icio.us: www.del.icio.us
- Flickr: www.flickr.com
- CiteULike: www.citeulike.org
- Connotea: www.connotea.org
- LibraryThing: www.librarything.com
- TagCloud: www.tagcloud.com
- Yahoo's MyWeb: http://myweb.yahoo.com
- ...
19 social bookmarking sites compared

| Source: www.irox.de/file_download/3 | Slide 18 | IMC Meeting, 28-30 May 2008, La Spezia, Italy |
Twitter is a service for friends, family, and co-workers to communicate and stay connected through the exchange of quick, frequent answers to one simple question: **What are you doing?**
Twitter (cont’d)

Broadcasting what you are doing at any given moment (like sending postcards all over the world whenever you wish)
Mashup / Remix

merging content from different sources, client- and server-side

Full-text of the book is available at http://blog.mashupguide.net/toc/
Housingmaps.com (cont’d)

For Rent

- Sunny Remodeled One Bedroom in Gourmet Ghetto

- 1 bedroom in The Essex Lease Option To Purchase! Open House 5/21 4PM

- Recently remodeled near Bart & Public transportation

- Near UCB, Bart, Shopping

- 2 bedroom in North Berkeley

- Beautiful Condo in a Great Location

- Avail. Now! 3Bed/2BA Concord Home in Great Location

- 1517 Broadway

- Open Thurs - Great 1 bed/1 bath Rockridge Apt

- 1 BA Extra Large Unit in Gated Complex - Sec & Welcome

- 1 ba – Cozy unit with large patio, Indoor pool, Gym, Across from Bart

- $1,500 – 1 bd

- $2,000 – 3 bd

- $1,500 – 2 bd

- $1,650 – 1 bd

- $1,600 – 1 bd

- $1,750 – 3 bd

- $1,900 – 2 bd

- $1,700

- $1,550 – 3 bd

- $1,525 – 1 bd

- $1,600

- $1,700

- $1,550

- $1,525

- $1,500

- $1,450

- $1,400

- $1,350

- $1,300

- $1,250

- $1,200

- $1,150

- $1,100

- $1,050

- $1,000

- $950

- $900

- $850

- $800

- $750

- $700

- $650

- $600

- $550

- $500

- $450

- $400

- $350

- $300

- $250

- $200

- $150

- $100

- $50

- $0
$1600 / 1br - Sunny Remodeled One Bedroom in Gourmet Ghetto (berkeley north / hills) (map)

Reply to: manager@upapartments.com
Date: 2008-05-19, 5:20PM PDT

Large, sunny one bedroom apartment located in the Gourmet Ghetto just minutes from cafes, restaurants, grocery stores, and coffee shops. Easy access to BART, public transportation, downtown, and just minutes from UC Berkeley campus northside. We have just completely remodeled the entire building: New roof, exterior and interior painting, new carpet, bedroom windows, lighting inside and out, remodeled lobby, and more 3 units available: 3rd floor quiet side of building, remodeled, $1650 Avail. June 3rd 2nd floor, Shattuck side, great view, fully remodeled, $1600, Avail. Mid-June 1st floor with Balcony, Shattuck side, fully remodeled, $1600 Avail. July 1st Also have a 2 bedroom unit for $2000, fully remodeled, Shattuck Side.
(pictures tagged with “bosphorus” and its location on the Google Map)
Amazon.com Web services are becoming more popular than ever.
Library 2.0

• Modernized form of library service that reflects a transition within the library world in the way that services are delivered to users.
• Includes online services such as the use of OPAC systems and an increased flow of information from the user back to the library.
• Library 2.0 also attempts to harness the library user in the design and implementation of library services by encouraging feedback and participation.
• The Library 2.0 model for service will replace traditional, one-directional service offerings that have characterized libraries for centuries.

Source: http://en.wikipedia.org/wiki/Library_2.0
Library 2.0

Library that LETS
- Integrates users
- Integrates technologies
- Integrates physical and virtual

Library is a framework for integrating change into all levels of library operations

STAFF
- Creation of an Emerging Technology Committee
- Integration with e-learning environment

Library that invites participation
- The library invites participation

OPAC
- Federated search
- RSS for cataloging
- Records tagging
- User reviews

Integration with e-learning environment

1. User-centricity
2. Technology-savvy environment
3. Reaching of the patrons long tail
4. Content for more than one device
5. Component-based software, not monolithic ILS
6. Constant change
7. Use of Web 2.0 apps and services
8. Open standards

The library is everywhere
- The library is everywhere

THE PHYSICAL LIBRARY
- Loud spaces for collaboration & conversation
- Mobile devices for users

Social computing apps to meet users' need when, where and how they need it

The library uses flexible, best-of-breed systems
- The library uses flexible, best-of-breed systems

The library is human
- The library has no barriers

Patron 2.0 = from content consumer to content creator
- Patron 2.0 = from content consumer to content creator

Source: http://www.flickr.com/photos/42538191@N00/113222147/
Academic Library 2.0 Concept Model

KEY
Face to Face
COMPUTER MEDIATED
Spaces
Interactions

Social

Library

Conversing
Flirting
Gossiping
Chatting
Joking

Sharing
Annotating
Contributing
Remixing
Teaching

Collaborating
Joking
Chatting
Learning

Study rooms
Computer labs
Info. Commons
Cafes

Classrooms
Office hours
Lectures
Seminars

Blackboard
Registration systems
Blogs
Wikis
Websites
Listsevs

Informal
Fun
Intimate

Loose power structures
Peer communications

Formal
Serious
Guarded

Hierarchical power structures
Scholarly communications

http://www.flickr.com/photos/habibmi/318027173/in/set-72157594247454511/
Web 2.0 in Library 2.0

• Diffusion
• Concentration

Lorcan Dempsey’s blog: http://orweblog.oclc.org/archives/001556.html
Diffusion

• covers a range of tools and techniques which create richer connectivity between people, applications and data;
• support writers as well as readers;
• provide richer presentation environments.
• blogs and wikis; RSS; social networking; crowdsourcing of content; websites made programmable through web services and simple APIs; simple service composition environments; Ajax, flex, silverlight; and so on.
• Much of the library discussion of Web 2.0 is about 'diffusion', about a set of techniques for richer interaction. It is appropriate that libraries should offer an experience that is continuous with how people experience the web.

Source: http://orweblog.oclc.org/archives/001556.html
Concentration

- Involves major gravitational hubs (google, amazon, flickr, facebook, propertyfinder.com).
- Concentrates data, users (as providers and consumers), and communications and computational capacity.
- They build value by collaboratively sourcing the creation of powerful data assets with their users.
- The value grows with the reinforcing property of network effects: the more people who participate, the more valuable they become. And opening up these platforms through web services creates more network effects.
- These sites also mobilize usage data to reflexively adapt their services, to better target particular users or to identify design directions.

Source: http://orweblog.oclc.org/archives/001556.html
• Places where data needs to be concentrated to create value: aggregating user data across sites (e.g. counter data), or aggregating user created data (tags, reviews), or aggregating transactions (e.g. circulations, resolver clickthroughs).

• Motivations here are to drive business intelligence which allows services to be refined (e.g. how does my database usage compare to that of my peer group), to develop targeted services (people who like this, also liked that), to improve local services (e.g. add tags or reviews).

• These are examples where scale matters, where data may need to be concentrated above the individual library level.

Source: http://orweblog.oclc.org/archives/001556.html
Examples of Library 2.0 Technologies
• Dissemination of information about recently acquired info sources
• Informing users about this without them visiting the Library
• RSS links to databases and e-journal packages
Instant Messaging (IM)

- Providing virtual reference services through IM
The **LibraryLookup** Bookmarklet Generator

Can't find your library on one of the lists? Try building your own bookmarklet.

**Base URL**: [http://library.metu.edu.tr](http://library.metu.edu.tr)

**Library Name**: METU Library

- Innovative ([example](http://library.metu.edu.tr))
- Voyager ([example](http://library.metu.edu.tr))
- iPac\(^1\) ([example](http://library.metu.edu.tr))
- Sirsi/DRA ([example](http://library.metu.edu.tr))
- Sirsi (WebCat)\(^2\) ([example](http://library.metu.edu.tr))
- Sirsi/Web2 ([example](http://library.metu.edu.tr))
- Tails ([example](http://library.metu.edu.tr))
- DS (UK) ([example](http://library.metu.edu.tr))
- Pica ([example](http://library.metu.edu.tr))
- Gaylord (Polaris)\(^3\) ([example](http://library.metu.edu.tr))
- Gaylord (Polaris 3.0) ([example](http://library.metu.edu.tr))
- Koha ([example](http://library.metu.edu.tr))
The Library of Congress

The Commons
Your opportunity to contribute to describing the world’s public photo collections.

Welcome!

LC asks users to describe what they see in the picture and enter tags
Gateways

Number 80 | April 2006

- PictureAustralia and the Flickr Effect
- The National Library at Work
- Conservation and Rebinding of the Bligh Notebook
- Delivering the Library’s Sound Collections Online
- Digitising Australia’s National Treasures

PictureAustralia and the Flickr Effect

PictureAustralia has expanded through an exciting partnership between the National Library of Australia and Yahoo! 7’s flickr.

Titled Click and Flick, the initiative enables individuals to contribute their images to PictureAustralia (www.pictureaustralia.org) through Yahoo! 7’s flickr, an online image repository where over two million users can store their images.

Table set for Australia Day lunch in Burwood, Melbourne by Helen Morgan (Image PA no 91271008)
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Date</th>
<th>Tags</th>
<th>Rating</th>
<th>Comments</th>
<th>Shared</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design of library automation systems: file structures, data structures, and tools</td>
<td>Michael D. Cooper</td>
<td>1996</td>
<td></td>
<td>⭐⭐⭐⭐⭐</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital libraries</td>
<td>William Y. Arms</td>
<td>2000</td>
<td></td>
<td>⭐⭐⭐⭐⭐</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
More than 3,000 mashups
Mashups for libraries

Boulder Library with Amazon Reviews

Summary

Overview

Description

See Amazon.com customer reviews and editorials within the online card catalog of the Boulder, Colo., public library.

APIs

Amazon eCommerce

Tags

books, library, reviews, shopping

Added

19 Mar 2007

Who

orchestr8 [Profile]

URL

http://nell.boulder.lib.co.us ...

See Related Mashups

22books
GuruLib is an attempt to help organize home libraries. GuruLib fetches all cataloging information such as author and actor list, synopsis, genre, front cover etc. Either via Amazon database or from over 530 public or university libraries around the world.

- **APIs**: Amazon eCommerce
- **Tags**: books, library, videos

**Added**: 27 Sep 2006

**Who**: ranabasheer [Profile]

**URL**: http://www.gurulib.com

**See Related Mashups**: Bookwormz
LCSH API

Library of Congress Subject Headings API

Overview
Summary: Access to the Library of Congress Subject Headings
Category: Reference
Tags: books reference government rdf
Date Reviewed: 2008-04-06
Description: This is an experimental service that makes the Library of Congress Subject Headings available as linked-data using the SKOS vocabulary. The goal of lccs.info is to encourage experimentation and use of LCSH on the web with the hopes of informing a similar effort at the Library of Congress to make a continually updated version available.

API Home Page: http://lccs.info/

Most Popular Library of Congress Subject Headings Mashups
No mashups registered yet

Protocol

New: Lots more @ Gov API Dashboard -
World Wide Web

Use For: W3 (World Wide Web), WWW (World Wide Web), Web (World Wide Web), World Wide Web (Information retrieval system),

Broader Terms: Hypertext systems, Multimedia systems,

Narrower Terms: Semantic Web, WebDAV (Standard), WebTV (Trademark).

Related Terms: Internet,

Editorial Notes:

- 94234135: Brown, S. The Internet via Mosaic and World Wide Web, c1994 (WWW, the Web) p. 35 (Although the WWW is primarily used on a global scale as a part of the Internet, it is feasible for a two-machine network to run the WWW client/server software)
- ASTI, Engr. index: Web 3
- Internet publishing handbook, c1995: p. 15 (World-Wide Web system is known by its various names: WWW, W3, and Web)
- MAGS, Dec. 8, 1995: article by Robert M. Metcalfe (first generation of WWW based on
Tree for the term “World Wide Web”

Turkish search engine performance evaluation

by Yaşar Tonta; Yılmaz Bitirim; Hayri Sever

Type: Book
Language: Turkish
Editions: 2 Editions
ISBN: 9769292000 9789756292000
OCLC: 50612281
Related Subjects: Information retrieval system
Citations: Cite this Item | Export to EndNote | Export to RefWorks

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   Ankara, 06800 Turkey
   Services: Library Information

2. Eastern Mediterranean Univ
   Mersin, 10 Turkey
   Services: Library Information

3. Pamukkale Univ
  Denizli, 20020 Turkey
   Services: Library Information

*Distances, where provided, are approximate and based on postal-code geographic centers
Citation Styles for "Türkçe arama motorlarında performans değerlendirme"

APA

Chicago (Author-Date)

Harvard

MLA

Turabian
Transfer of book’s bibliographic info to EndNote.
IMC Meeting, 28-30 May 2008, La Spezia, Italy

Türkçe arama motorlarından performans değerlendirme
by Yaşar Tonta, Yılmaz Bitirim, Hayri Sever

Type: Book
Language: Turkish
Editions: 2 Editions
ISBN: 9769292000 9789756292000
OCLC: 50812281
Related Subjects: Information retrieval system.
Citations: Cite this item, Export to EndNote, Export to RefWorks

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Review this Item
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Everybody can open a WorldCat account.

Additional info can be added.
Türkçe arama motorlarında performans değerlendirmesi
by Yaşar Tonta; Yıltan Bitirim; Hayri Sever

Notes
Type the note in the space below. Read our content guidelines for more information.

Bu kitabın elektronik kopyası için bkz.

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Türkçe arama motorlarında performans değerlendirme
by Yaşar Tonta; Yıltan Bitirim; Hayri Sever

Table of Contents

Type the table of contents in the space below. Read our content guidelines for more information.

İÇINDEKİLER
ÖZET..........................................................
SUMMARY..............................................
1 GİRİŞ..................................................
2 BİLGİ EĞİTİM SİSTEMLERİ......................
2.1 İÇERİK BELİRTEÇLERİ..........................
2.2 BELGELER........................................
2.3 SORGULAR...........................................

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Türkçe arama motorlarında performans değerlendirme

by Yaşar Tonta, Yıltın Bitirim, Hayri Sever

Type: Book
Language: Turkish
Editions: 2 Editions
ISBN: 9759292300 9789759292300
OCLC: 50812281
Related Subjects: Information retrieval system

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Save to: [New List] Save

Add to It
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Google
Facebook
Live
Yahoo MyWeb

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Labels: e.g., News, To do, summer vacation
Notes:

Can be added as Google Bookmark
Can be sent to the addresses in your Facebook address book.
OCtǘrkçe arama motorlarında performans değerlendirme

[WorldCat.org]

Get this at a library near you! — Author: [Yasılın Törte; YAKıntı Bı́rım; Hayrı Seyr] -
- Related Subjects: [Information retrieval system]

http://worldcat.org/oclc/500122913...
Türkçe arama motorlarında performans değerlendirme
by Yaşar Tonta; Yıltan Bitirim; Hayri Sever

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A book review can be added
URL of the book review that appeared in Türk Kütüphaneciliği


The book review by M. Emin Küçük is available at:
Info on other books of the author

LCSH and PRECIS in library and information science: a comparative study by Yasar Ahmet Tonta (Book)

1 edition published in 1982 in English and held by 134 libraries worldwide

Compares the performance of LCSH and PRECIS for the books published in 1987 in the field of library and information science in order to investigate the strengths and weaknesses of each system.
Most widely held works by Yasar Ahmet Tonta

LCSH and PRECIS in library and information science: a comparative study by Yasar Ahmet Tonta (Book)
1 edition published in 1992 in English and held by 134 libraries worldwide
Compared the performance of LCSH and PRECIS for the books published in 1987 in the field of library and information science in order to investigate the strengths and weaknesses of each system.

An analysis of search failures in online library catalogs by Yasar Ahmet Tonta (Book)
4 editions published in 1992 in English and held by 12 libraries worldwide

Türkçe arama motorlarında performans değerlendirilirme by Yaşar Tonta (Book)
2 editions published in 2002 in Turkish and held by 3 libraries worldwide

Bilişim edinme özgürlüğü (Book)
1 edition published in 1996 in Turkish and held by 2 libraries worldwide

Internet and Electronic Information Management (Book)
2 editions published between 2003 and 2004 in English and held by 1 library worldwide
The number of information sources accessible through the Internet is ever increasing. Billions of documents including text, pictures, sound, and video are readily available for both scholarly and every-day uses. Even libraries and information centers with sizable budgets are having difficulties in coping with this increase. More developed tools and methods are needed to find, filter, organize and summarize electronic information sources. This paper is an overview of a wide variety of electronic information management issues ranging from infrastructure to the integration of information technology and content, from personalization of information services to “disintermediation.” It discusses the issues of description, organization, collection management, preservation and archiving of electronic information and outlines Davenport’s “ecological model” for information management and its components, namely, strategy, politics, behavior and culture, staff processes, and architecture.

Electronic information management = La gestion électronique de l’information (Book)
1 edition published in 2003 in English and held by 1 library worldwide

Audience Level
Audience Level

- 0: Kids
- 1: General
- Special

Audience level: 0.63 (from 0.87 for Turkey to 1.00 for an adult.)

Related Identities

- HACETTEPE UNIV ANKARA (TURKEY) DEPT OF INFORMATION MANAGEMENT
- Sefer, Hayri
- Sefer, Hayri
- Bitirir, Yilun
- North Atlantic Treaty Organization. Research and Technology Organization
- Celik, Ahmet
- Bitirir, Yilun
- North Atlantic Treaty Organization. Research and Technology Organization. Information Management Committee

Useful Links

- Library of Congress Authority File (English)

Associated Subjects

- Censorship
- Database searching
- Freedom of information
- Information resources management
- Information retrieval
- Information technology
- Online bibliographic searching
- Online library catalogs
- PRCIS (indexing system)
- Subject headings, Library of Congress
- Web search engines

Co-authors
WorldCat is not limited with books
Discussion
## Applicable Web 2.0 technologies

### Diffusion
- RSS
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- Blogs
- Podcasts
- IM
- Twitter
- Social networking (Folksonomies)
- Simple APIs
- Mashups/Remixes

### Concentration
- Google
- Amazon
- Flickr
- Facebook
- …

### Library Mgmt Environment
- User data
- Tags
- Reviews
- Circulations
- Clicks
- …
Useful links

- [Web 2.0](http://www.youtube.com/watch?v=MichaelWesch) - A YouTube video made by Michael Wesch explaining Web 2.0 (4’33”).
- Housingmaps ([www.housingmaps.com](http://www.housingmaps.com))
- CommonCraft ([www.commoncraft.com](http://www.commoncraft.com))
- Lorcan Dempsey’s weblog [On libraries, services and networks](http://orweblog.oclc.org/)
- Programmableweb. [www.programmableweb.com](http://www.programmableweb.com)
Web 2.0 Technologies and Information Services

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