# Navigating the Constellation of Content and Data

Judy Luther Informed Strategies LLC Fiesole April 2012



# **LIBRARIES**



















# **USERS**



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- Users do not need specialized knowledge
   Search strategies
   Subjects they are searching
- Users are provided context to explore

   Can navigate the topic
   Filter by categories





#### From Discovery

#### To Delivery









Stand on the shoulders of giants

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# **Google Scholar Preferences**

Save your preferences when finished and return to search.				
Scholar Preferences	8			
Interface Language	Display Google tips and messages in: English			
Search Language <ul> <li>Search for pages written in any language (Recommended).</li> <li>Search only for pages written in these language(s):</li> </ul>				
Collections	<ul> <li>Search articles (</li></ul>			
Library Links	Find Library			
( <u>what's this?</u> )	e.g., Harvard			
	Show library access links for (choose up to three libraries):			
	Canadian National Catalogue - Find in AMICUS			



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Cellular phenology of annual ring formation of Abies balsamea in the Quebec boreal forest (Canada) A Deslauriers, H Morin Journal of Forest, 2003 - NRC Research Press Cell formation in growth rings of balsam fir (Abies balsamea (L.) Mill) in the boreal forest was studied to describe the timing of ring formation and the development patterns of earlywood and latewood. Wood micro-cores were extracted during the growing season from 1998 to <u>Cited by 78</u> - <u>Related articles</u> - <u>Get at CISTI</u> - <u>All 11 versions</u>				
Dynamics of the <b>boreal forests</b> of the Laurentian Highlands, <b>Canada</b> CV Cogbill - Canadian Journal of Forest Research, 1985 - NRC Research Press Analyses of species composition and tree increment cores from 145 stands in central Québec were used to determine the <b>forest</b> history and stand dynamics. Windspread fires, possibly synchronous, burned across central Québec in at least three periods of record ( <u>Cited by 111</u> - <u>Related articles</u> - <u>All 5 versions</u>	<u>Get it @ Western</u>			
Transport of <b>boreal forest</b> fire emissions from <b>Canada</b> to Europe C Forster, U Wandinger, G Wotawa Journal of geophysical, 2001 - agu.org In August 1998, severe <b>forest</b> fires occurred in many parts of <b>Canada</b> , especially in the Northwest Territories. In the week from August 5 to 11, more than 1000 different fires burned >1 × 10 6 ha of <b>boreal forest</b> , the highest 1-week sum ever reported throughout the 1990s. In this study <u>Cited by 186</u> - <u>Related articles</u> - <u>Get at CISTI</u> - <u>All 10 versions</u>	<u>Get it @ Western</u>			
Climate change and forest fire potential in Russian and Canadian boreal forests BJ Stocks, MA Fosberg, TJ Lynham, L Mearns Climatic Change, 1998 - Springer Forest fires have been a natural and dominant disturbance regime in global boreal forests for millennia, and recent statistics from Canada, Alaska, and Russia illustrate that, despite reasonably successful fire management strategies in these countries, forest fires still exert a Cited by 316 - Related articles - Get at CISTI - All 13 versions	[PDF] from utoronto.ca Get it @ Western			







### Search

- •Starts with question
- •Depends on known vocabulary
- •Produces results list or specific item
  - May not be relevant
  - May not be related

### Browse

- •Starts with one item
- •Depends on an organizing principle
- Leads to other items
  - Related to original
  - Relies on links



**NSCU OPAC – Endeca search** 

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### Facets

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## Sage Research Methods Map













# **CONTENT ECOSYSTEM**





• Discovery Tools

o Journals not covered in Discovery Tools left out
o Opportunity for smaller journals to be visible

- Google Scholar

   Stand alone journals lack visibility
   Combined with "Get it @" streamlines access
- Link Resolvers
  - Connection varies by library
  - Choice can depend on the user

### **Competitive Pressure for Page One**

Goog	gle scholar g	obal scholarship	)	Search Advanced		
Scholar	Articles and patents	▼ anytime	✓ include citations	✓ Create email alert		
Analyzing IS research productivity: an inclusive approach to global IS scholarship						

MJ Gallivan, R Benbunan-Fich - European Journal of ..., 2007 - palgrave-journals.com Abstract An increasing number of studies have appeared that evaluate and rank journal quality and the productivity of IS scholars and their institutions. In this paper, we describe the results of one recent study identifying the Top 30'IS Researchers, revealing many ... <u>Cited by 41</u> - <u>Related articles</u> - <u>BL Direct</u> - <u>All 17 versions</u>

#### Haute Finance and High Theory: Recent Scholarship on Global Financial Relations1

P Dombrowski - Mershon international studies review, 1998 - Wiley Online Library 2. Abstract In surveying the literature on **global** financial relations, this essay suggests that (1) states have not "surrendered" or "retreated" but reinterpreted their roles relative to **global** finance,(2) interstate cooperation is pervasive but fragile, and (3) capital mobility has not ... <u>Cited by 39 - Related articles - BL Direct - All 3 versions</u>

#### [BOOK] Scholarship, research libraries, and global publishing

J Reed-Scott - 1999 - books.google.com

Discover how to meet the challenges of increasing your library's international publications through digital networks and large shared resource networks with other research libraries! **Scholarship**, Research Libraries, and **Global** Publishing reveals a four-year study ... <u>Cited by 30</u> - <u>Related articles</u> - <u>BL Direct</u> - <u>All 8 versions</u>

#### Claiming a Global Identity: Latino/a Critical Scholarship and International Human Rights

C Romany - U. Miami Inter-Am. L. Rev., 1996 - HeinOnline

Latino/a Critical scholars and activists have a unique opportunity to crack the provincial shell that shelters critical legal **scholarship** in this country. Today, I would like to offer suggestions for the formulation of a dual strategy to be pursued at both the international and domestic ... <u>Cited by 24</u> - <u>Related articles</u> - <u>BL Direct</u> - <u>All 2 versions</u>



#### Documents

Metadata assigned post publication
 Metadata associated when created

• People

o Social sharingo Network recommendations





- Support discovery (content)

   Orient those new to topic
   Provide training
   Enable exploration
   Highlight leading research
- Support collaboration (users)

   Connect other researchers
   Serve to build community



4 implications of abundance for publishers

- Provide content must be that is open, accessible, interoperable
  Focus on using context to promote discovery
- Develop opportunities for broader use of content
- •Offer tools using context to manage content

Collaboration is the key

Brian O'Leary at 2011 Books & Browsers Conference

# **S** Tools to Support Interoperability

#### • Identity

- o Authors ORCID <u>http://about.orcid.org/</u>
- Documents DOIs <u>http://crossref.org/</u>
- o Versions CrossMark
  - http://www.crossref.org/crossmark/index.html
- Search
  - o Schema.org <u>http://schema.org/</u>
  - NISO Open Discovery Initiative <u>http://www.niso.org/workrooms/odi/</u>



# **Context through Community**

• Mendeley

http://www.mendeley.com/features/network-anddiscover/

• Eigenfactor

http://mas.eigenfactor.org

- Biomed Experts
   <u>http://www.biomedexperts.com/Portal/AboutBME.aspx</u>
- MicroSoft Academic Research <u>http://academic.research.microsoft.com/AcademicMap</u>

# Library Content Identification Structures

- MARC Record

   RDA, BISAC, Schema.org
- Authority control

   ORCID
- Controlled vocabulary • Taxonomies, ontologies
- Classification scheme (organizing principle)
   Relationship between documents



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