SHARE:
Discovery:
Focus on papers

@LorcanD
Lorcan Dempsey, Vice President, OCLC Research, and Chief Strategist, OCLC

11 October 2013, 11:15 a.m.-12:30 p.m.

ARL Fall Forum: Mobilizing the research enterprise
Facilitating New Forms of Discovery

#ARLforum13
Aggregation is a pain
Shenghui Wang (OCLC), Antoine Isaac (Europeana), Valentine Charles (Europeana), Rob Koopman (OCLC), Anthi Agoropoulou (Europeana), and Titia van der Werf (OCLC)

Hunting for Semantic Clusters: Hierarchical Structuring of Cultural Heritage Objects within Large Aggregations

17th International conference on Theory and Practice of Digital Libraries (TPDL), 22-26 September 2013, Valletta (Malta)
Pair of silver rimmonim

Description: A pair of late eighteenth century Italian silver rimmonim.
Repository/Location: Jewish Museum London
Geographic coverage: Italy [Place] [Production]
Type: rimmonim
Format: 406 mm; silver
Identifier: local JML 58095809 [Metadata]
Rights: Digital image: Jewish Museum London
Source: Jewish Museum London

View item at
Jewish Museum London

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Duplicates
Duplicates? Same object: different providers

Shipping In The Open Sea

Description: This is a fine seascape by the North East artist John Wilson Carmichael. The picture uses one of his favourite types of composition. A small boat filled with fishermen in the foreground points to the most important ship, which is highlighted by a patch of rough, white-capped waves. This ship itself points to another

Shipping in the Open Sea

Description: This is a fine seascape by North-East artist John Wilson Carmichael. The picture uses one of his favourite types of composition. A small boat filled with fishermen in the foreground points to the most important ship, which is also highlighted by a patch of rough, white-capped waves. This ship itself points to another ship further away on the left. The zig-zag line of the ships creates lively movement in the picture. The
Duplicates? Same page: different digital copies
Cataloging error

Harvested – points to repository splash page

Analytic – essay in book

Loaded from Elsevier

Loaded from Crossref

Three ‘expressions’. Cataloging now fixed 😊
Cross repository record matching issues – confused identities

- Different data models
  - Mapping is lossy.
  - Relationship issues, e.g.
    - Preprint
    - Published article
    - Publisher splash page
    - Repository splash page
    - ...

- Replication of content across repositories
- Different content and ‘fullness’ standards
- Granularity issues
  - What is being described?
- ‘Business’ issues
  - Publisher wants separate display?
From strings to things … an emerging pattern?

Search engines
Linked data
Introducing the Knowledge Graph: things, not strings

Posted: Wednesday, May 16, 2012

Cross-posted on the Inside Search Blog

Search is a lot about discovery—the basic human need to learn and broaden your horizons. But searching still requires a lot of hard work by you, the user. So today I’m really excited to launch the Knowledge Graph, which will help you discover new information quickly and easily.

The social graph
Three benefits acc to Google:

1. Find the right thing
2. Get the best summary
3. Go deeper and broader

1. A singular identity for entities (people, works, places, organizations, …)
2. Gather data associated with those identities (‘cards’)
3. Create relationships between identities.
Stevan Harnad - Wikipedia, the free encyclopedia
Stevan Robert Harnad (Hermád István Róbert, Hesstein István, born June 2, 1945, Budapest) is a cognitive scientist. Contents: 1 Education, 2 Research ... Education - Research - Research publishing and open ... - Democracy in Hungary

Stevan Harnad | Electronics and Computer Science (ECS)
www.ecs.soton.ac.uk/people/harnad
Stevan Harnad is Professor in the Department of Psychology at Université du Québec à Montréal, holding the Canada Research Chair in Cognitive Sciences ...

Open Access - EPrints
www.eprints.org/openaccess/
Hi, my name is Stevan Harnad and I am haunted by a koan (def): Why did 34,000 researchers sign a threat in 2000 to boycott their journals unless those journals ...

Open Access Archivangelism
openaccess.archivangelism.org/
5 days ago - "Stevan Harnad" engaged Ricks' comment and asserted that such a policy was a very bad thing since it would set back the advance of Green ...

Stevan Harnad | Open Access @
openaccess.unt.edu/speake/stevan-harnad
STEVAN HARNAD was born in Hungary, did his undergraduate work at McGill University and his graduate work at Princeton University. Currently Canada ...

Where are we, what still needs to be done? Stevan Harnad on the poynner.blogspot.com/2013/07/where-are-we-what-still-needs-to-be.html
Jul 2, 2013 - The interview below is the second in a series exploring the current state of Open Access (OA) and what the priorities ought to be going forward.
Stevan Harnad - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/Stevan_Harnad
Education · Research · Research publishing ... · Democracy in Hungary
Stevan Robert Harnad (Hernád István Róbert, Hesslein István, born June 2, 1945, Budapest) is a cognitive scientist. Contents 1 Education 2 Research 3 Research ...

Stevan Harnad | Electronics and Computer Science (ECS)
www.ecs.soton.ac.uk/people/harnad
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www.instantpeoplefinder.com/find-people/steven+harnad
Stevan Harnad, 1100 Docteur Penfield, Montreal, QC. Find people & view online updates. Records contain current addresses, phone numbers & more.

Steven Harnad | ZoomInfo.com - Business Profiles and Company ...
www.zoominfo.com/p/Steven-Harnad/4019443
View Steven Harnad's business profile as Celebrity and see work history, affiliations and more.

Steven Harnad - People Search from Intelius searches billions of ...
www.intelius.com/...trackit=63&ReportType=1&qf=Steven&qn=Harnad
1. Stevan R Harnad, age 58. Get more details This information for purposes of
Research Commentaries on Cangelosi's "Solutions and Open Challenges for the Symbol Grounding Problem"

Stevan Harnad, Luc Steels, Tony Belpaeme, Carol J. Madden, Stéphane Lallée, Peter Ford Dominey, Stephen J. Cowley, Juyang Weng, Alberto Greco, Barbara Giolito, Domenico Parisi, Vincent C. Müller

Published in 2011.

Offloading Cognition onto the Web

Leslie Carr, Stevan Harnad

Comparing the impact of open access (OA) vs. non-OA articles in the same journals

The way to test the impact advantage of Open Access (OA) is not to compare the citation impact factors of OA and non-OA journals but to compare the citation counts of individual OA and non-OA articles appearing in the same (non-OA) journals. Such ongoing comparisons are revealing dramatic citation advantages for OA.
Twenty-three steps to learning Web 2.0 technologies in an academic library
This paper aims to report on the adoption and evaluation of a Learning 2.0 program in a pilot program at the Edith Cowan University Library during 2007. Design/methodology/approach The paper examines the suitability of Learning 2.0 for training.
42 readers

The value of academic libraries
Megan Oakleaf in *Review Literature And Arts Of The Americas* (2010)
Academic libraries have long enjoyed their status as the heart of the university. However, in recent decades, higher education environments have changed. Government officials see higher education as a national resource. Employers view higher...
169 readers

If it is too inconvenient I'm not going after it: Convenience as a critical factor in information-seeking behaviors
Lynn Silligui Connaway, Timothy J Dickey, Marie L Radford in *Library Information Science Research* (2011)
In today's fast-paced world, anecdotal evidence suggests that information tends to frustrate people, and users of information systems want to find information quickly and conveniently. Empirical evidence for convenience as a critical factor is...
87 readers

Understanding Academic Information Seeking Habits through Analysis of Web Server Log Files: The Case of the Teachers College Library Website
Make data work harder so that the user doesn’t

- Create singular identity (‘entification’)
- Gather information about entities (e.g. cards)
- Create relationships between entities (navigation – citation, co-creation, derivative, affiliation, recommendations, …)

- Strongly leverage four types of metadata about things ..
  - ‘Professional’
  - Crowdsourced (claiming profiles, …)
  - Programmatically promoted (entity extraction, categorization, clusters, ….)
  - Usage (relationships based on usage)

- Plural - Work with what you have.
- Wikipedia – an addressible knowledgebase
- Wikidata/Freebase – source of structured data

- Now: shredding records
- Future: manage entities in linked data world
National Libraries

English Wikipedia

VIAF
Matching Algorithm

Submit VIAF IDs / Show centralized data

Wikipedia shows matched IDs

Read data

German Wikipedia

VIAF matches Articles / Wikipedia shows matched IDs

German Wikipedia

Submit VIAF IDs / Show centralized data

Wikipedia shows matched IDs

Wikidata Wikibase

3rd Party Users

Submit VIAF IDs / Show centralized data

Wikipedia shows matched IDs

Other Wikipedias

Submit VIAF IDs / Show centralized data

English Wikipedia

Other Wikipedias
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</tr>
</tbody>
</table>

- 2 sources

Imported from:
- Italian Wikipedia
- German Wikipedia

[add source]
The scholarly graph?

- Architecture components
  - Author IDs
  - Paper/work IDs
  - Institutions?

- Signals of interest
  - Research analytics
  - Research workflow

- Questions
  - What is the role of libraries/SHARE/…??
  - Vivo?
  - Who will manage entity backbones in linked data world?
Questions and issues ...
Repository scope

Campus bibliography
*-prints
Digital materials

Tactical ‘structure up’/SEO

More links to entities in records - Identifiers
  Orcid, ISNI, VIAF, …
  DOI, Pubmed ID, …

Schema.org markup
Site maps; ResourceSync

What do hubs want to see? (e.g. Scholar)
Purposeful syndication

Share data with network/disciplinary hubs

A discovery service?

A discovery destination?
The bar is getting higher …
A source of data for others?
Sourcing and scaling …
Workflow, Repository, Disclosure, Discovery, …

Scaling

**Rightscaling**
Different things done at different scales
Institution, Consortium, ARL, world?

Sourcing
Collaboratively sourced?
Third party?
Existing agency?
Multiple approaches?
Discovery and SHARE

What is Share’s role in creating and/or maintaining the scholarly graph?
Ack kind advice from …

- Max Klein, Merrilee Proffitt, Karen Smith Yoshimura, Thom Hickey (Wikidata/Wikipedia/Viaf)
- Shenghui Wang, Rob Koopman, Titia van der Werf (clustering and Europeana data)
- Jeff Young, Eric Childress