

Visualizing Linked Data

AALL Annual Meeting and Conference
Boston, Massachusetts
Monday, July 23rd, 2012

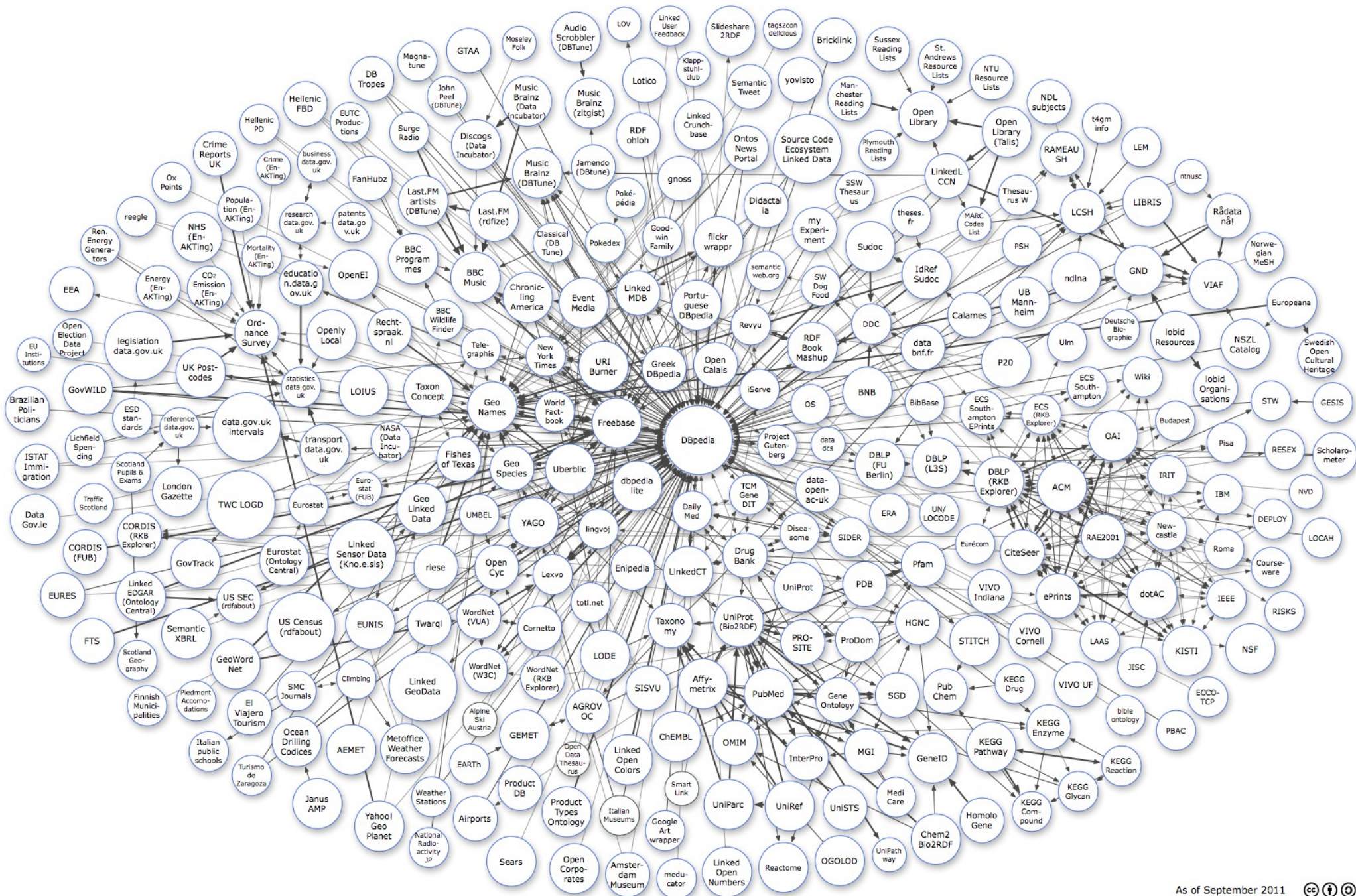
F. Tim Knight, Associate Librarian
Osgoode Hall Law School Library
York University



This Morning's Outline

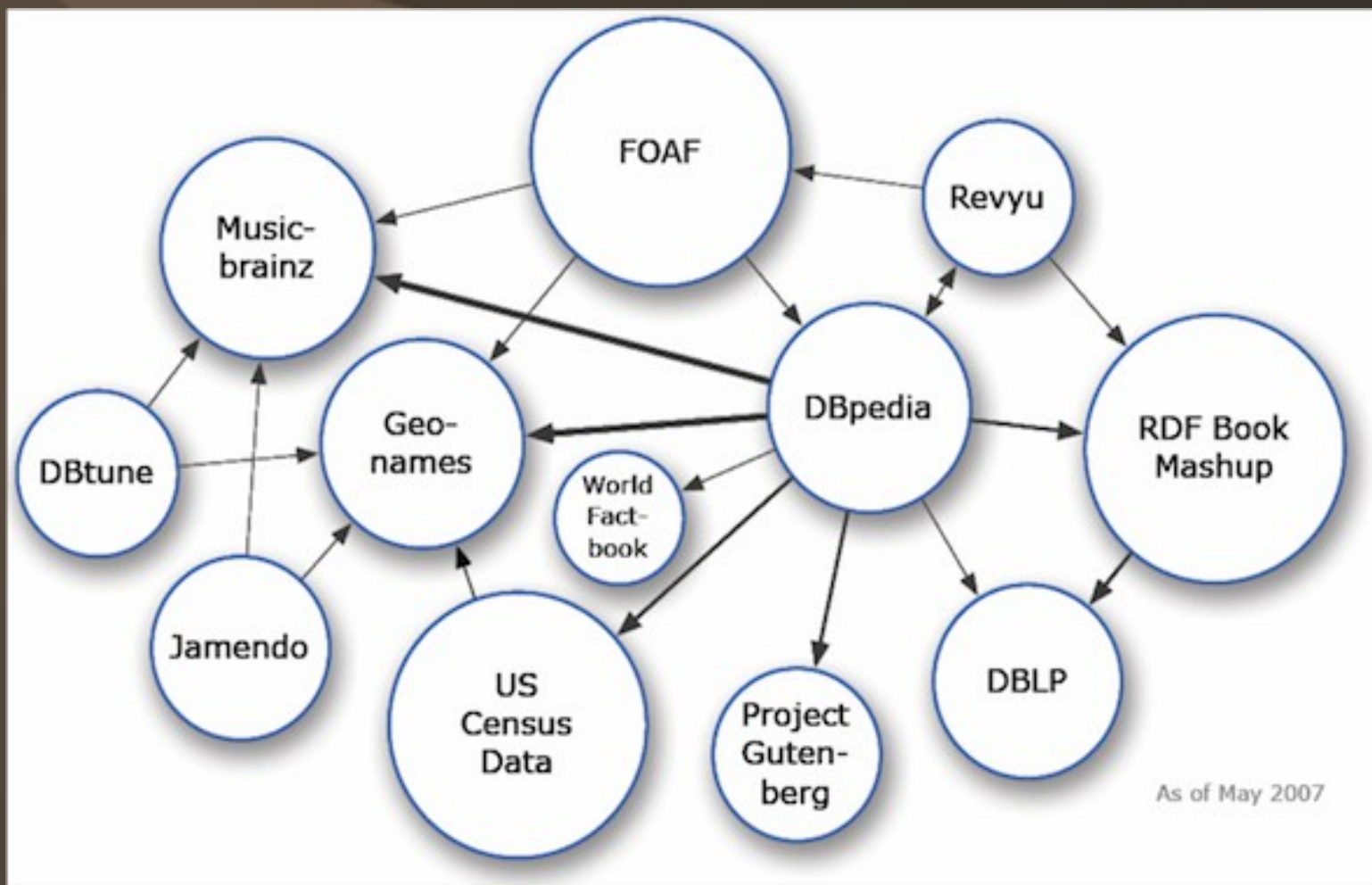
- The Linked Data Cloud
- Bibliographic Data
- Linked Data
- Visualizing Linked Data
- The RDF Triple
- Breaking the Record
- Library Linked Data

The Linked Data Cloud

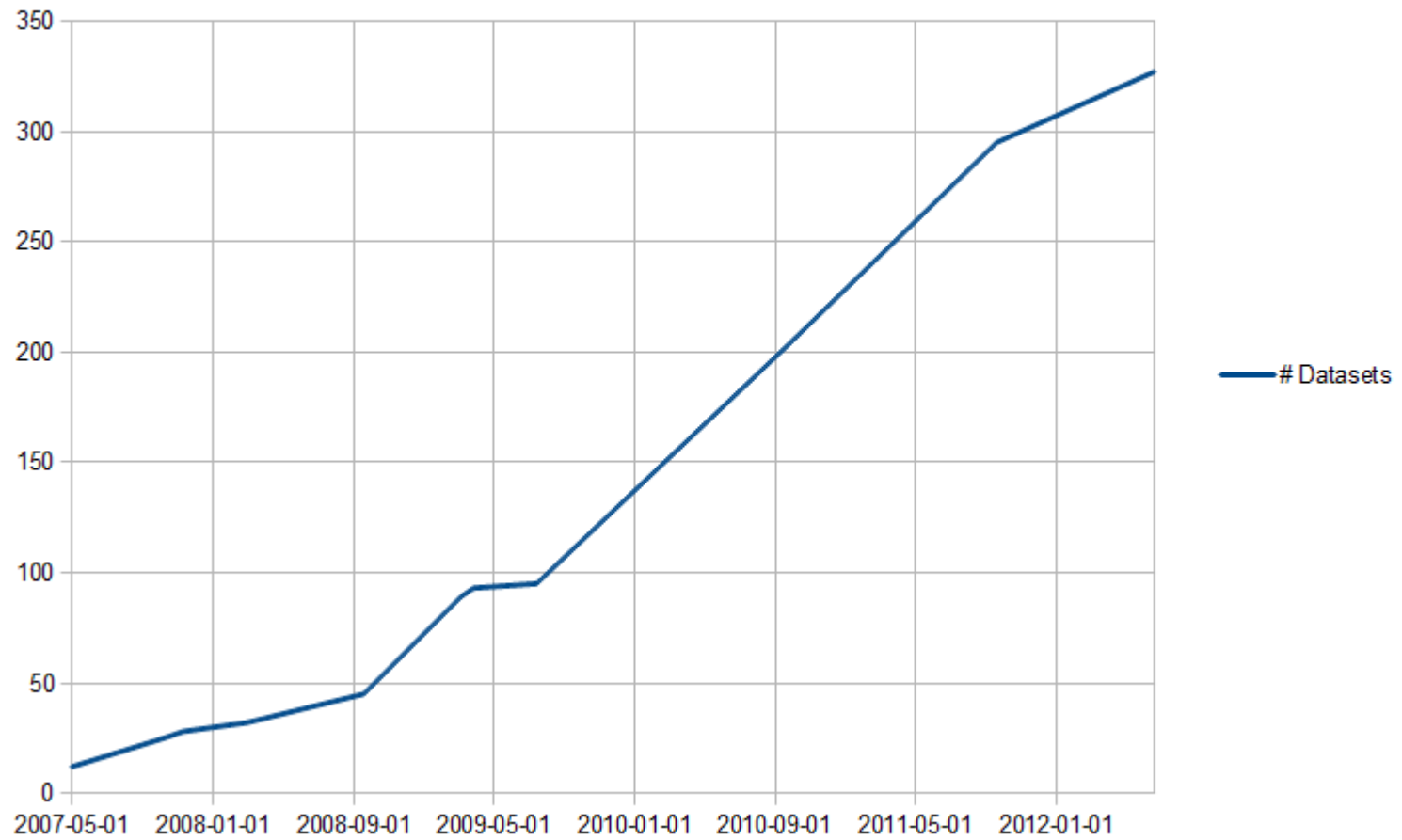




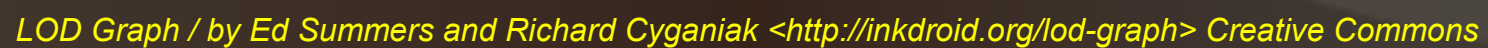
tinker toy molecule no. 1 / by Otto Lange
<<http://ottolangegallery.blogspot.ca/2012/03/tinker-toy-molecule-no1.html>> Used with permission



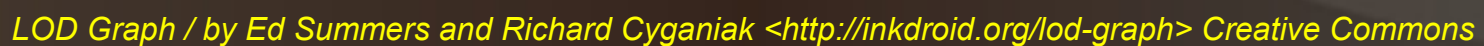
LOD Cloud Growth (2007-2012)



Based on data provided for the LOD Cloud diagram at <<http://richard.cyganiak.de/2007/10/loclod/>>









*Tinkering with Tinker Toys / by Kristen at Teaching Stars
<<http://www.teachingstars.com/2012/04/30/tinkering-with-tinker-toys/>> Used with permission*



Bibliographic Data



852: Rare – Harvard, It's in the Cards / by Mindy Johnston
http://etseq.law.harvard.edu/2008/10/852_rare_october_2008/ Creative Commons

Death penalty.

KF

9725

.S74

Stevens, Leonard A.

Death penalty : the case of life vs. death in the United States / by Leonard A. Stevens ; foreword by Michael Meltsner. —
New York : Coward, McCann & Geoghegan, c1978.

159 p. ; 24 cm. — (Great constitutional issues)

Bibliography: p. 154-155.

Includes index.

ISBN 0-698-30701-1

1. Capital punishment--United States. 2. Furman, William Henry.

I. Title

KF9725.S74

345'.73'077

78-5880

MARC

Library of Congress





IBM 2400 Series Magnetic Tape Drive Units (1966)
<<http://www.chipsetc.com/ibm-international-business-machines.html>>

DATABASE: Library of Congress Online Catalog

YOU SEARCHED: Keyword (match all words) = death penalty stevens

SEARCH RESULTS: Displaying 5 of 6.

◀ Previous Next ▶


Brief Record

Subjects/Content

Full Record

MARC Tags

Death penalty : the case of life vs. death in the United States / by...

Relevance: 

LC control no.: 78005880

LCCN permalink: <http://lccn.loc.gov/78005880>

Type of material: Book (Print, Microform, Electronic, etc.)

Personal name: [Stevens, Leonard A.](#)

Main title: Death penalty : the case of life vs. death in the United States / by Leonard A. Stevens ; foreword by Michael Meltsner.

Published/Created: New York : Coward, McCann & Geoghegan, c1978.

Description: 159 p. ; 24 cm.

ISBN: [0698307011](#)

Notes: Includes index.

Bibliography: p. 154-155.

Subjects: [Furman, William Henry.](#)

[Capital punishment --United States.](#)

Series: Great constitutional issues

LC classification: KF9725 .S74

Dewey class no.: 345/.73/077

Geographic area code: n-us---

DATABASE: Library of Congress Online Catalog

YOU SEARCHED: Keyword (match all words) = death penalty stevens

SEARCH RESULTS: Displaying 5 of 6.

◀ Previous Next ▶


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Death penalty : the case of life vs. death in the United States / by...

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Personal name: [Stevens, Leonard A.](#)

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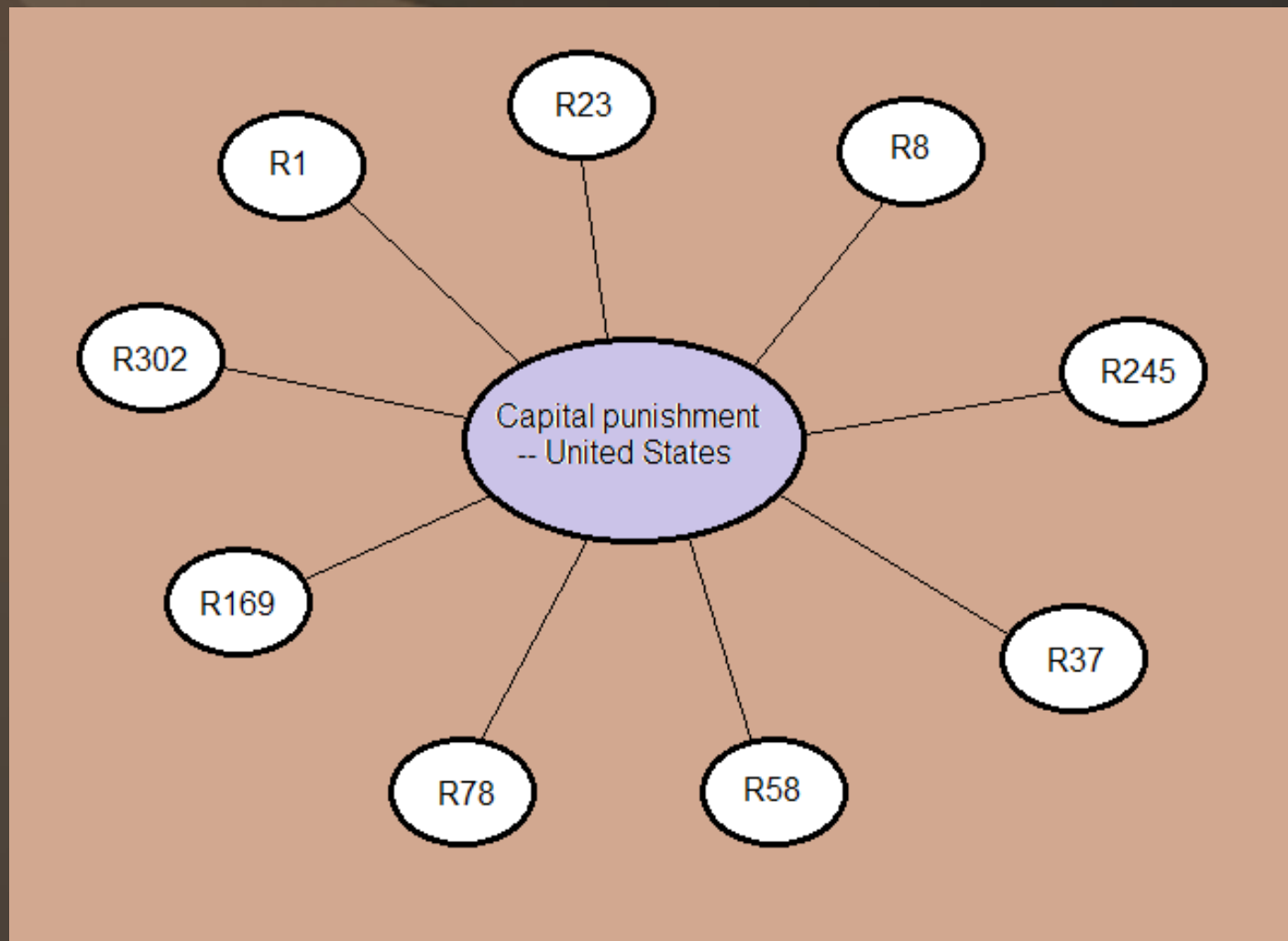
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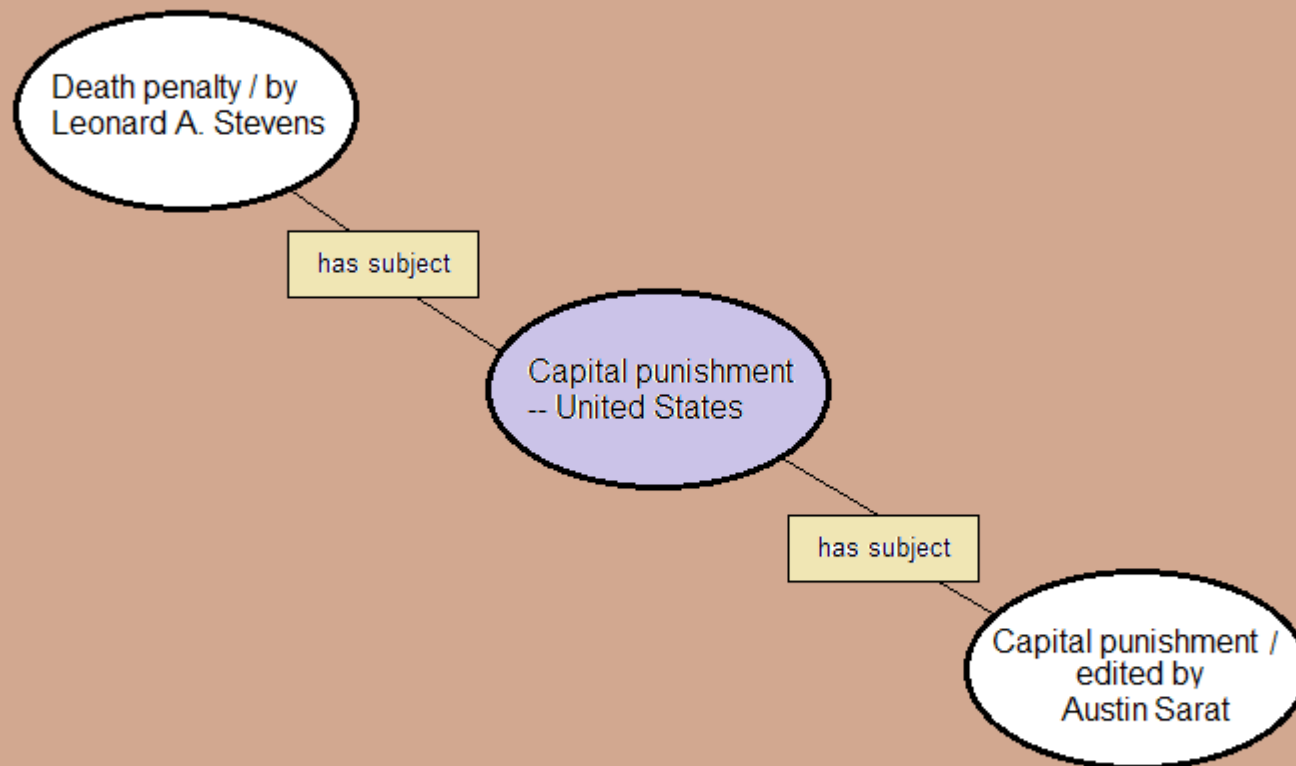
YOU SEARCHED: Subject Browse = Capital punishment United States.

SEARCH RESULTS: Displaying 1 through 100 of 100.

◀ Previous Next ▶

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[2]	1	Capital punishment--United States.





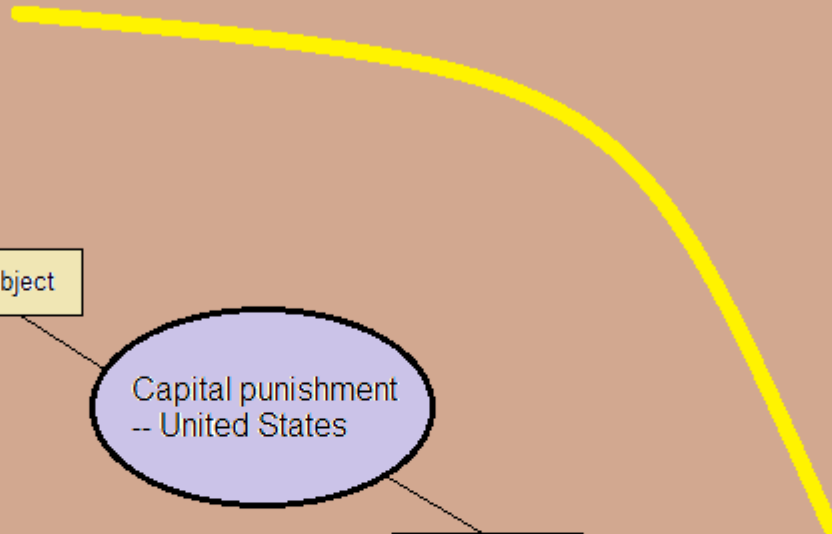
Death penalty / by
Leonard A. Stevens

has subject

Capital punishment
-- United States

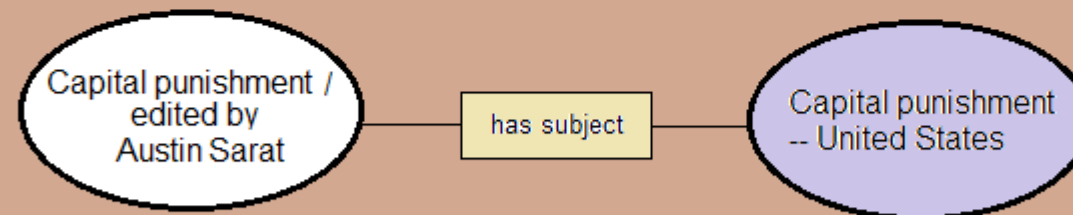
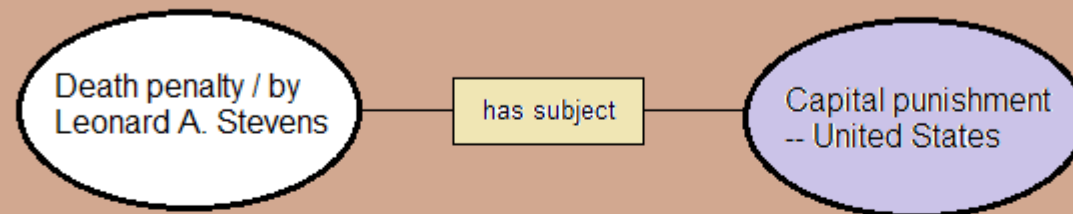
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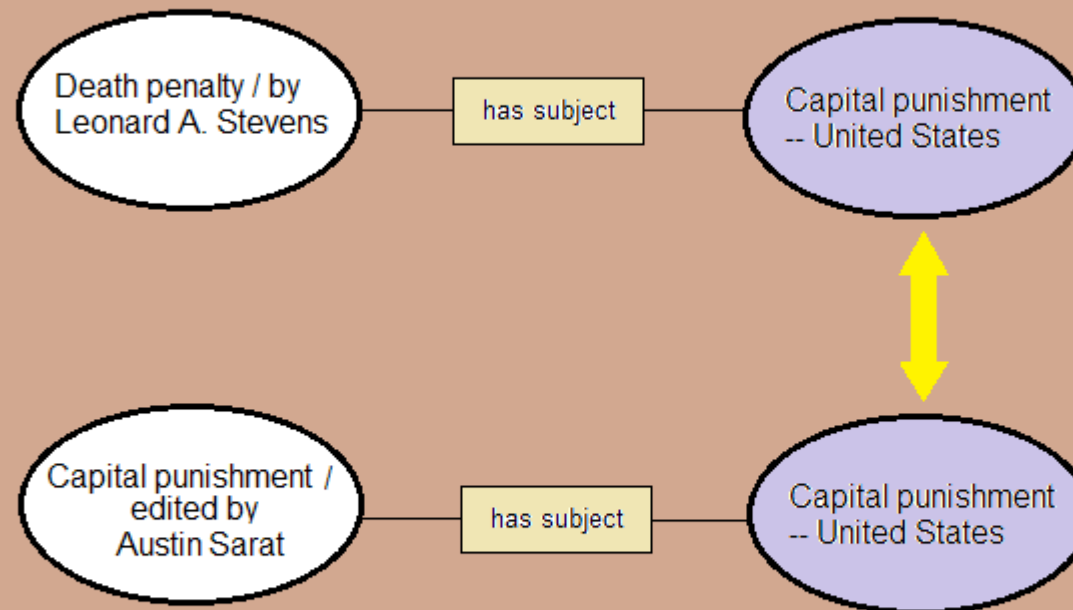
Capital punishment /
edited by
Austin Sarat

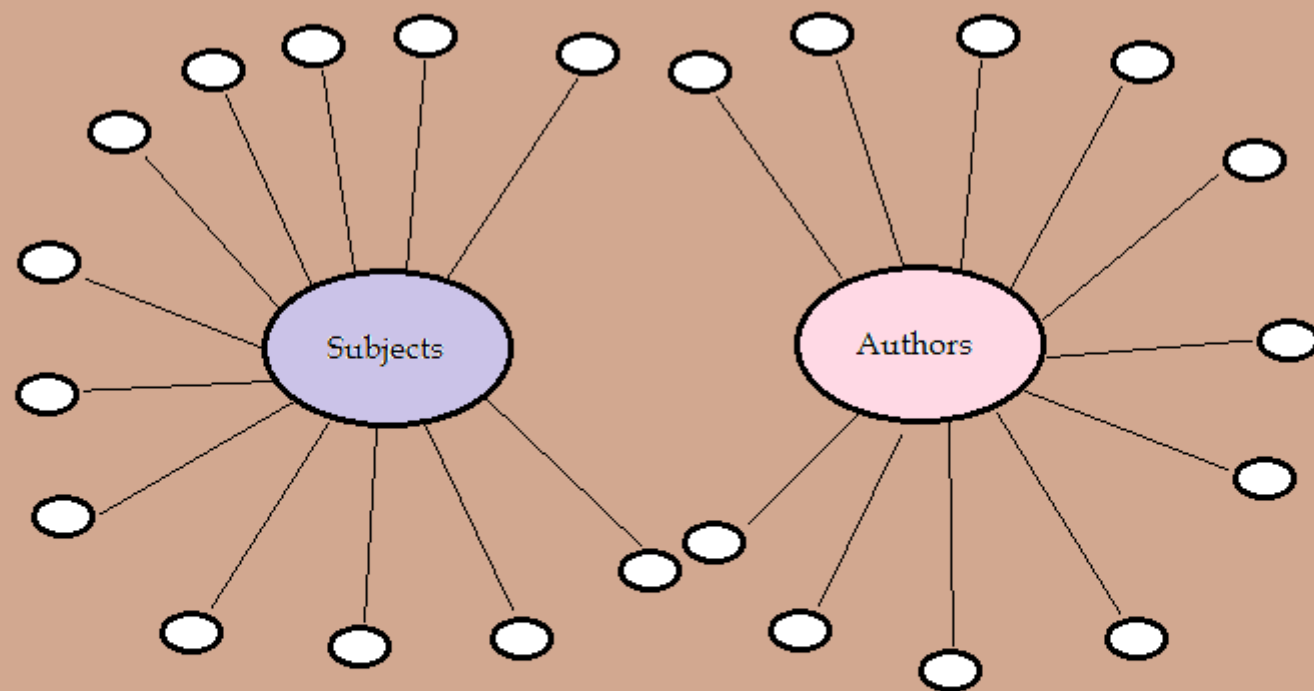


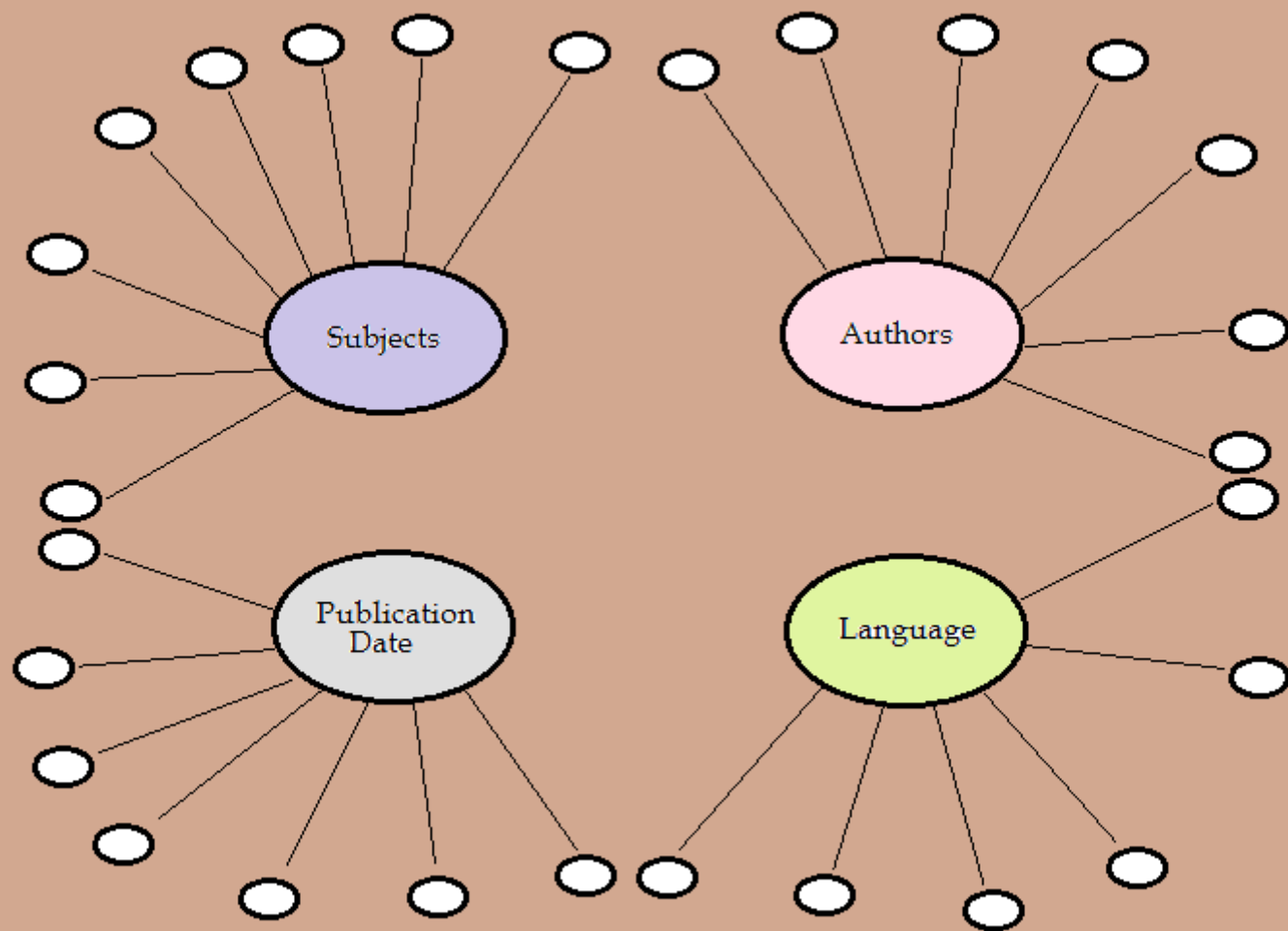
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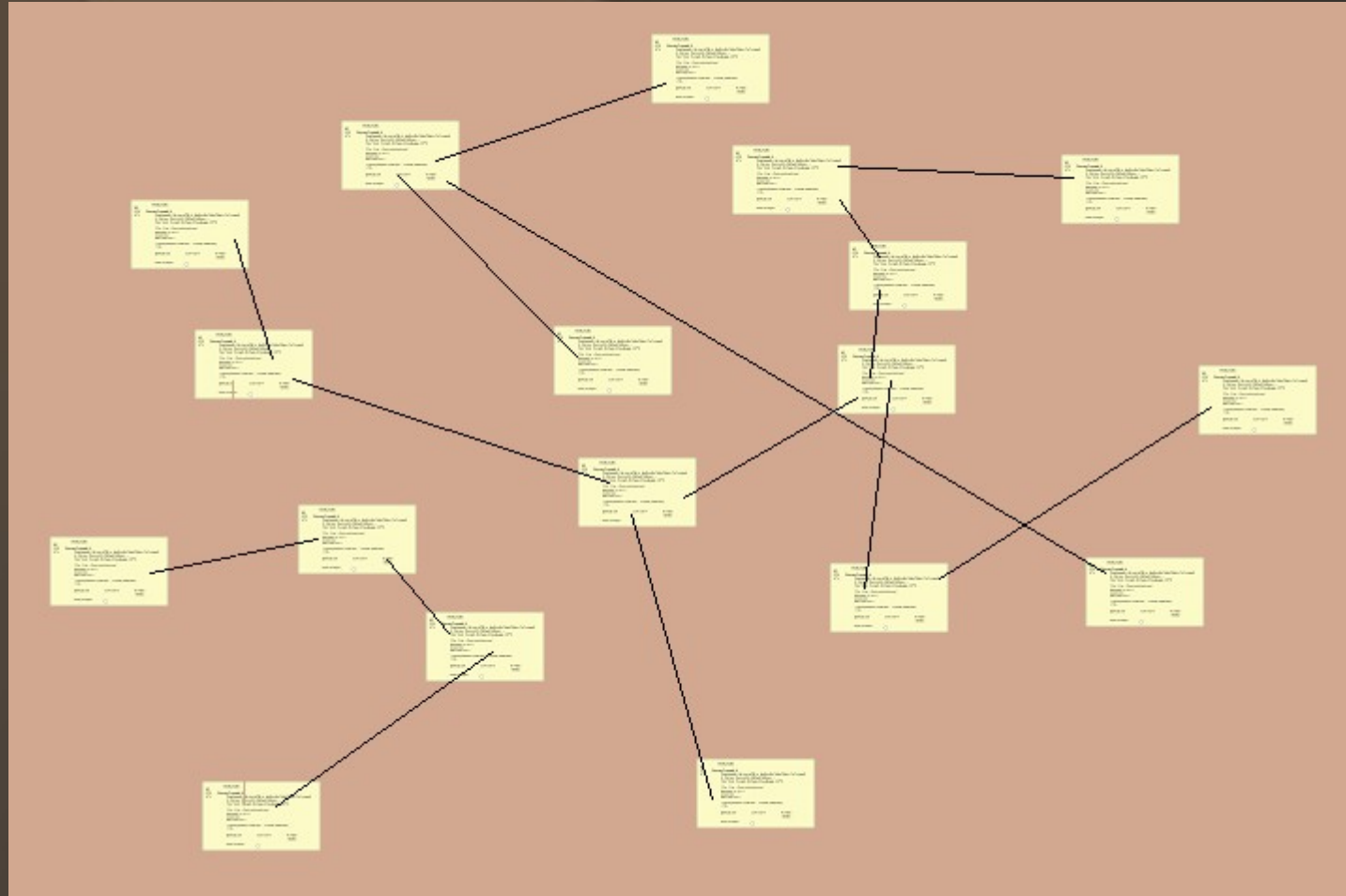
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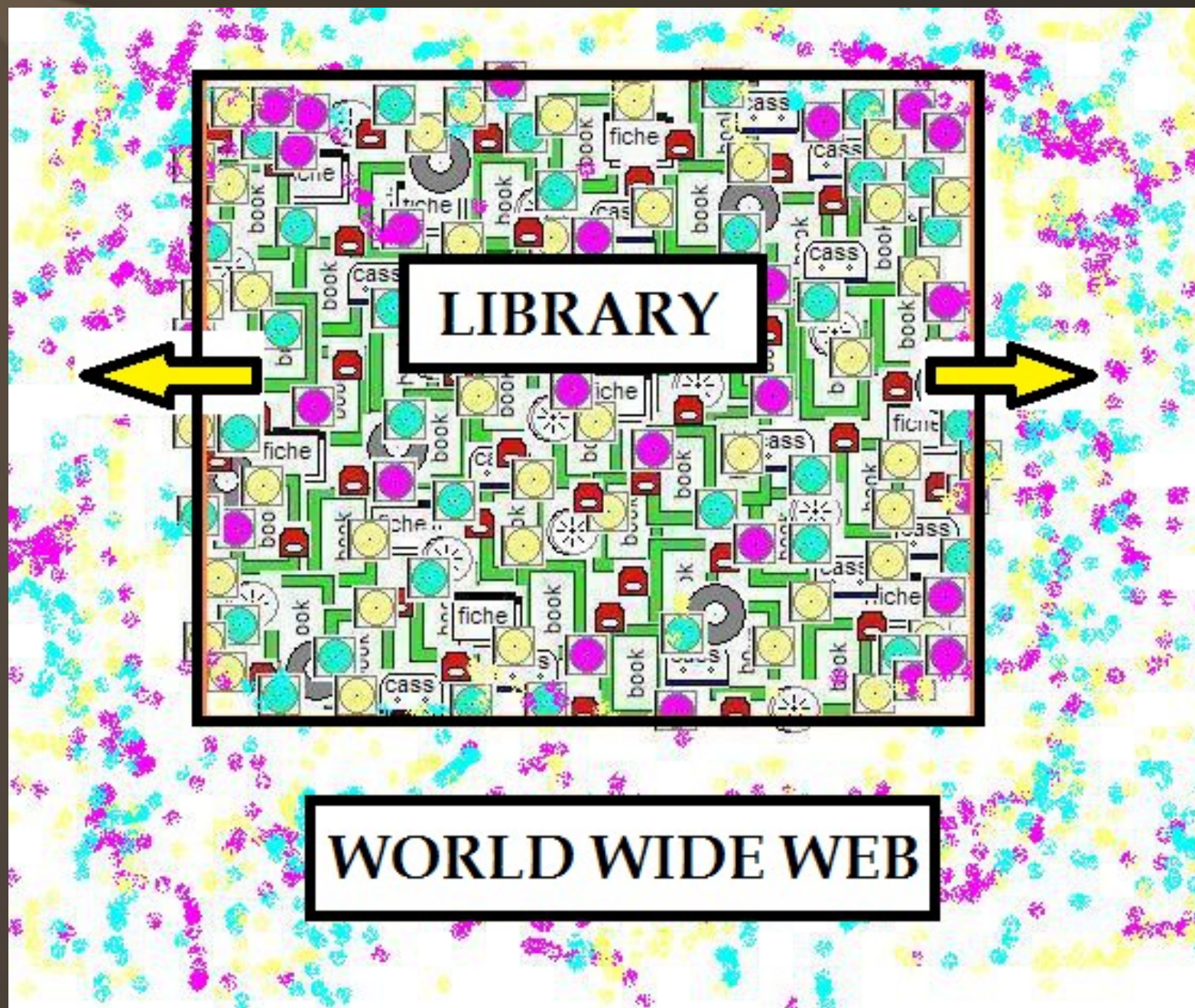


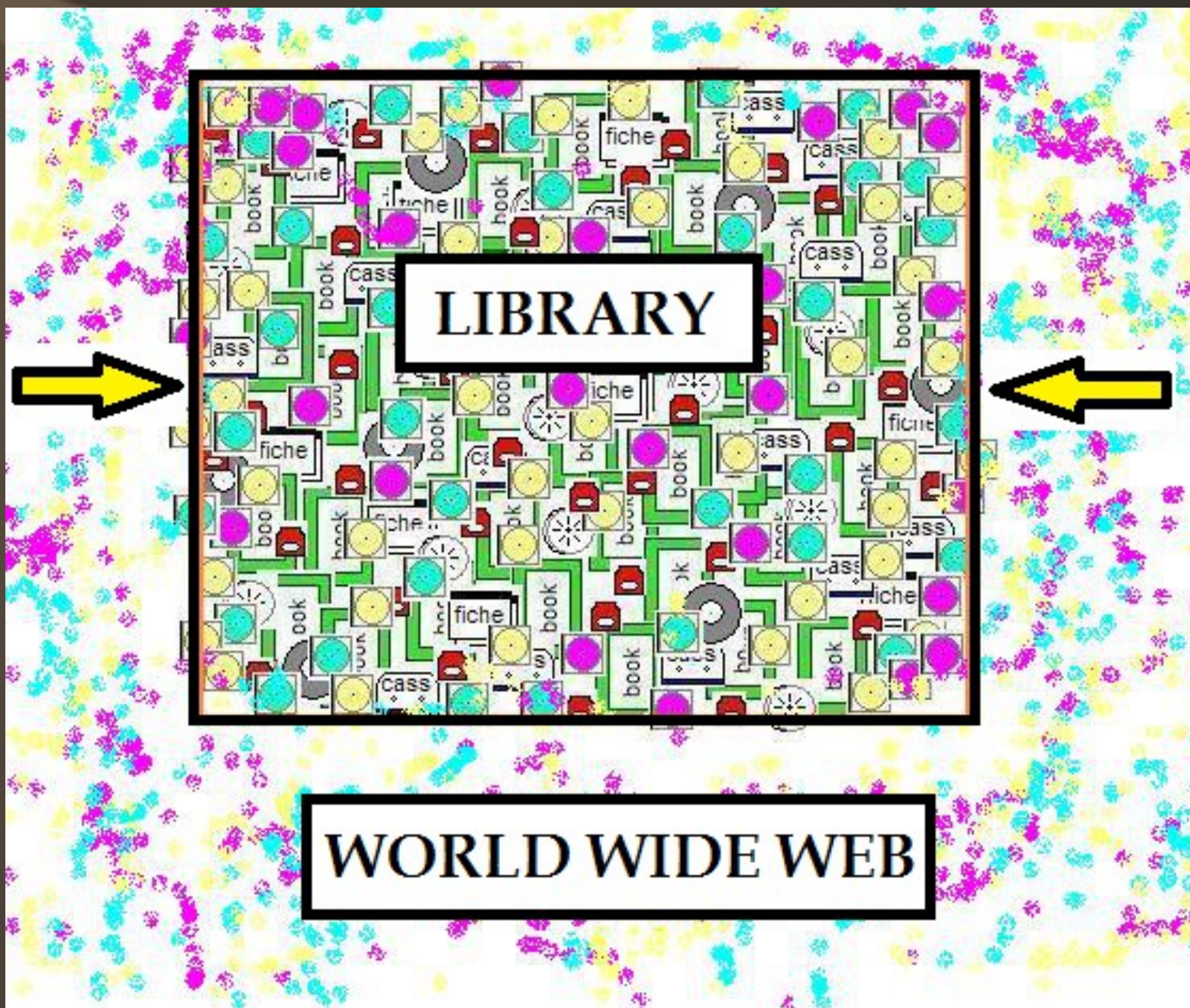








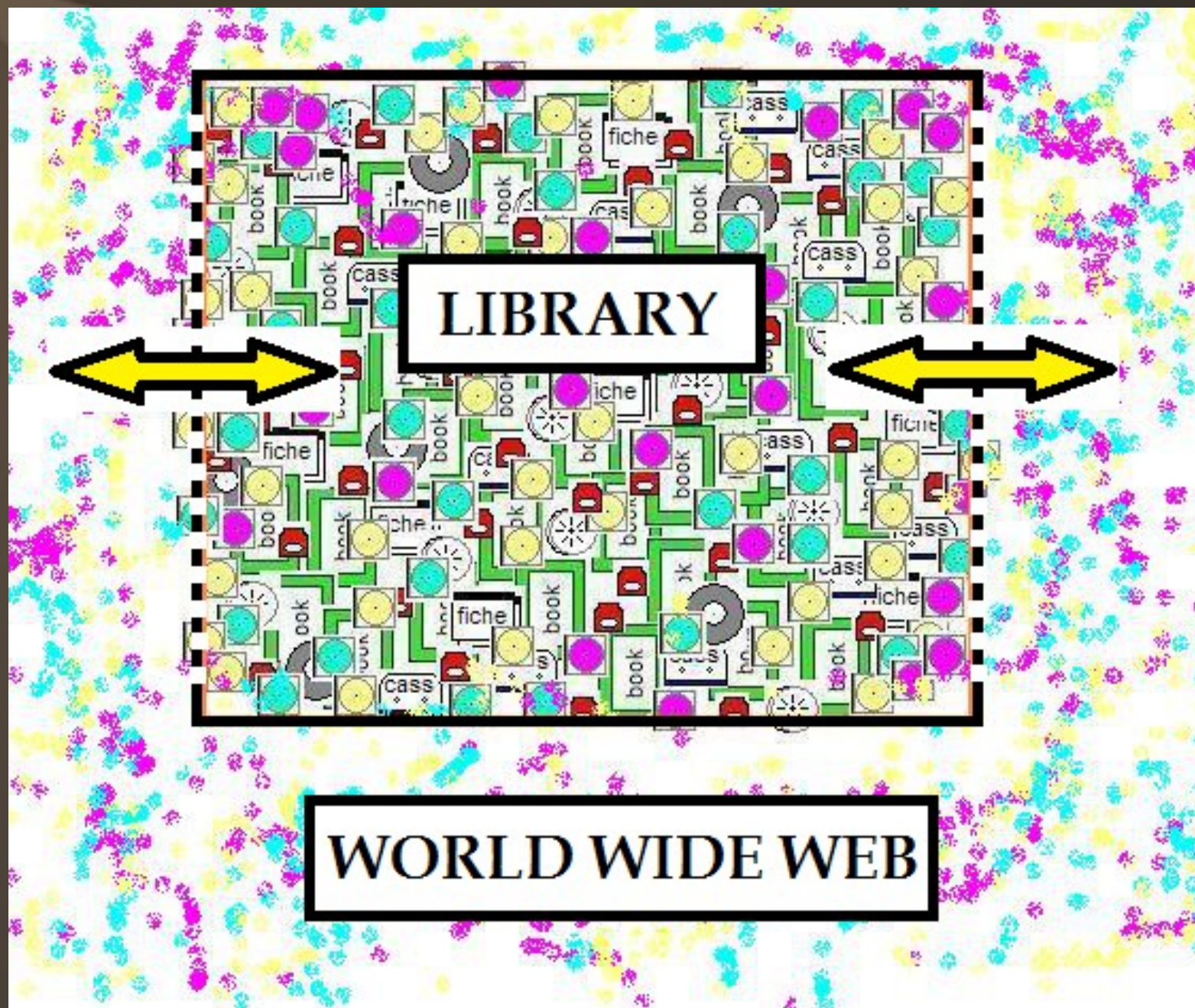




Library Linked Data Now!

“The information the library contains ... would be a welcome and heavily used resource if it was *of the Web* as opposed to standing apart from the rest of the information universe bridged by rickety connections into its silos, or as an island, inaccessible from the mainland.”

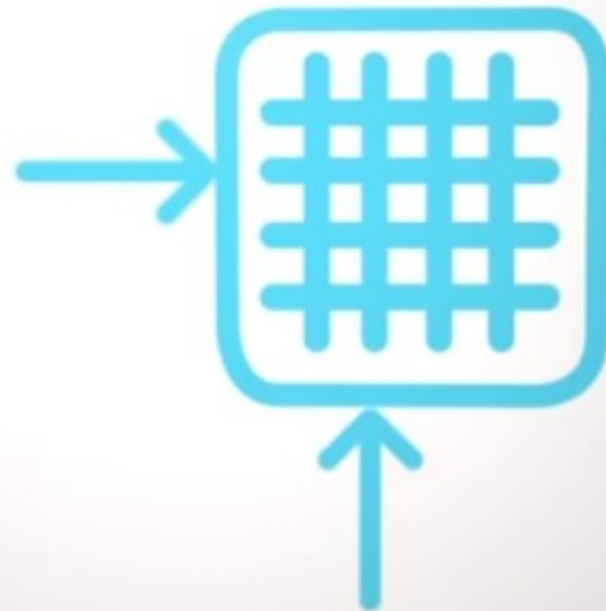
Ross Singer

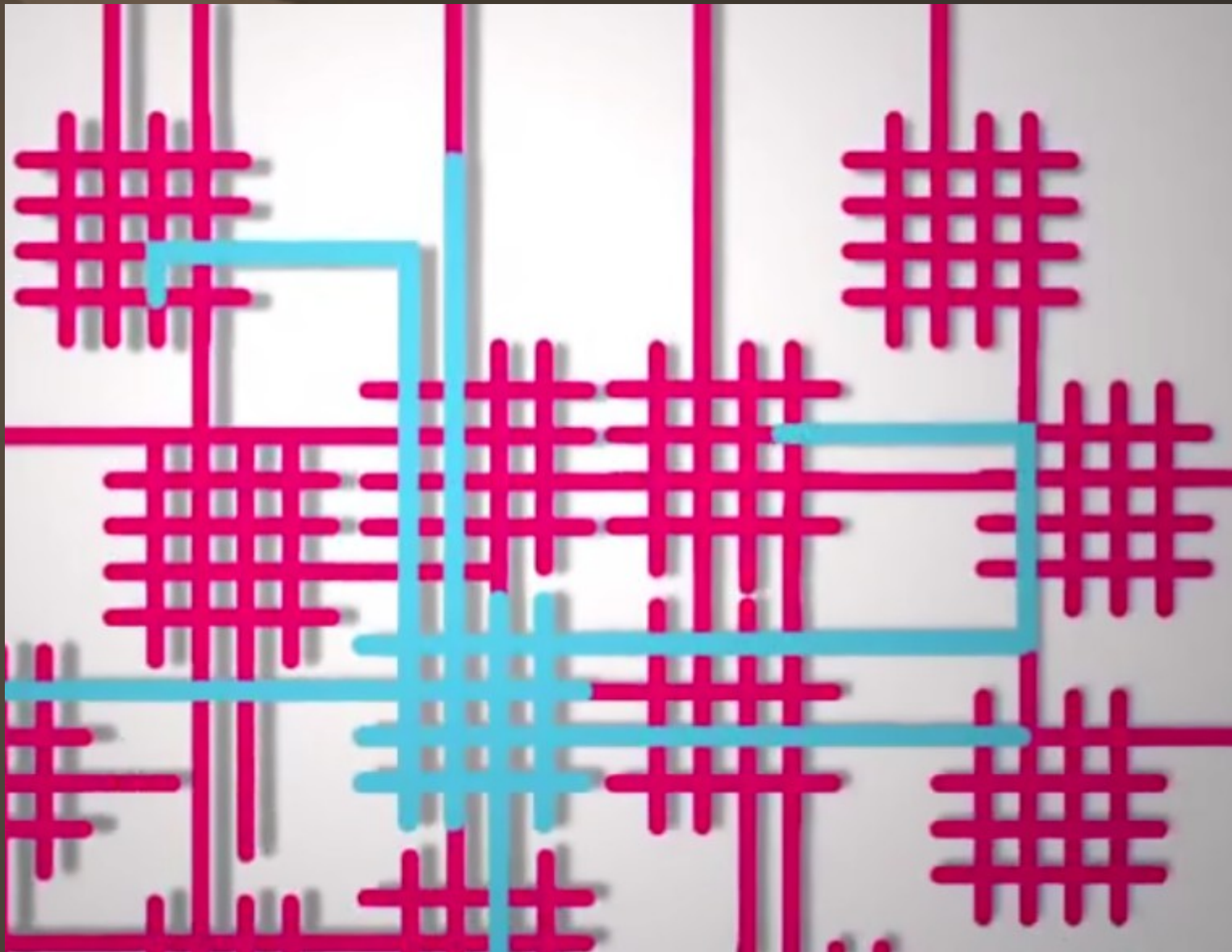


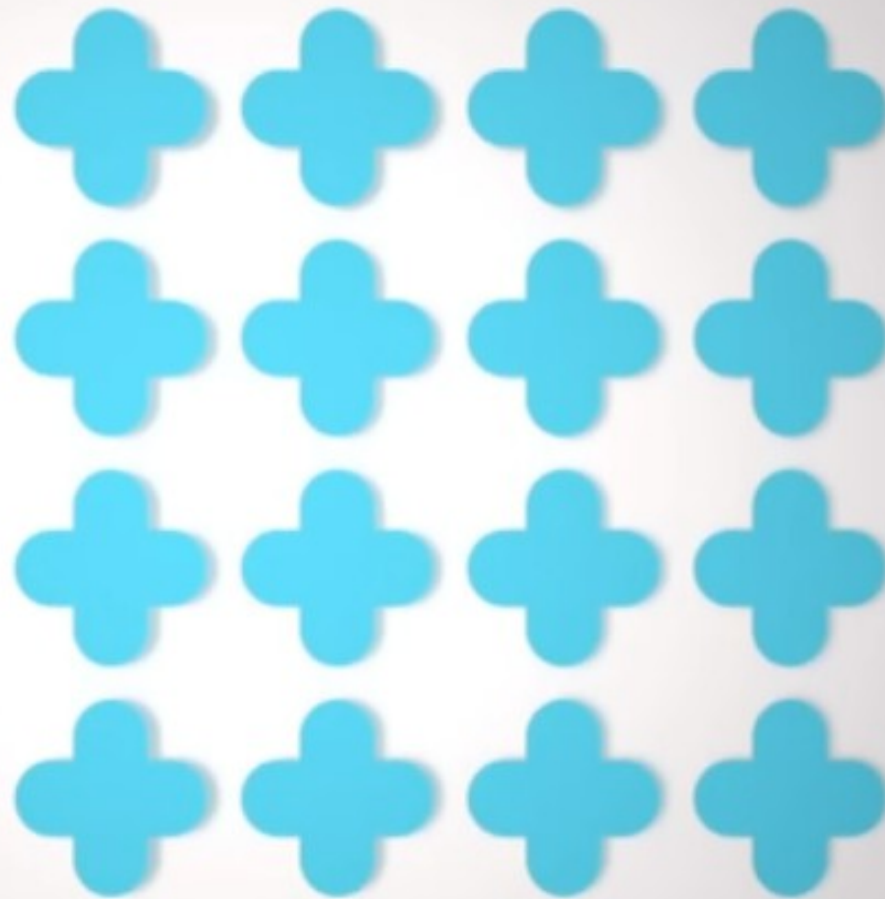
Visualizing Linked Data



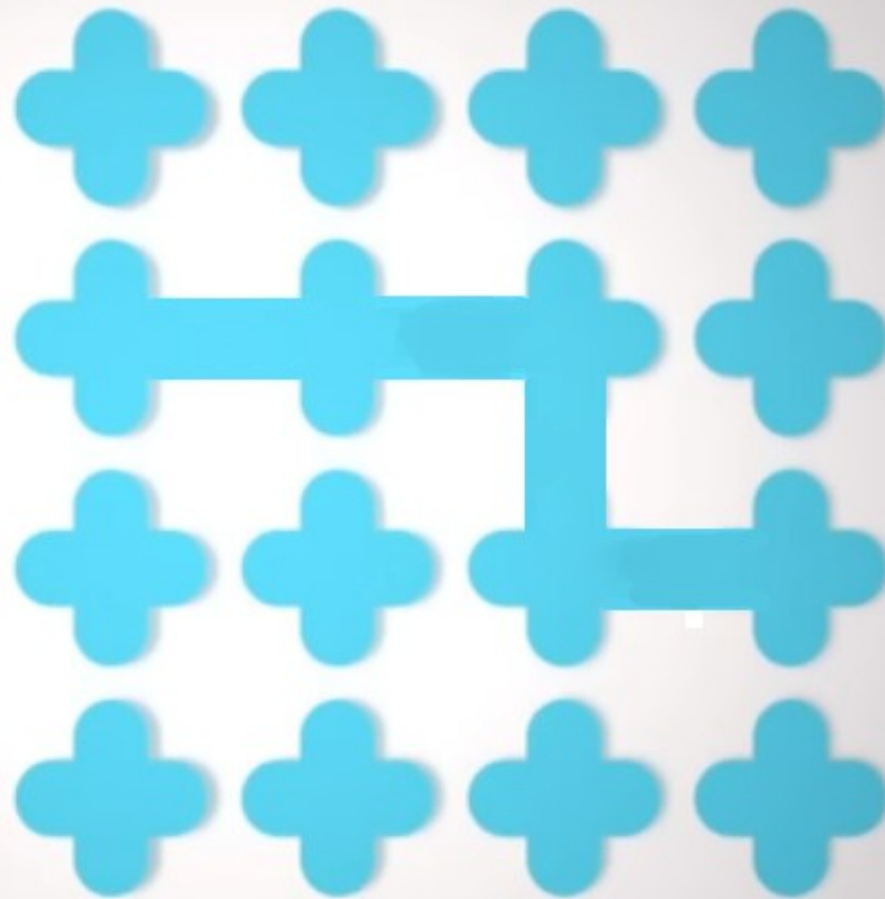
Linked Data – What Is It? / by europeana.org <<http://vimeo.com/36752317>> Creative Commons



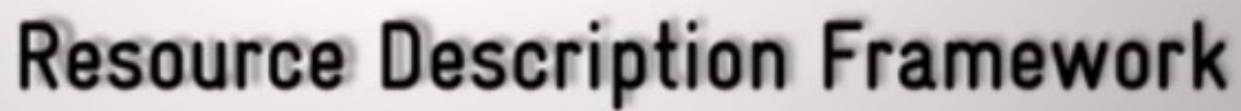




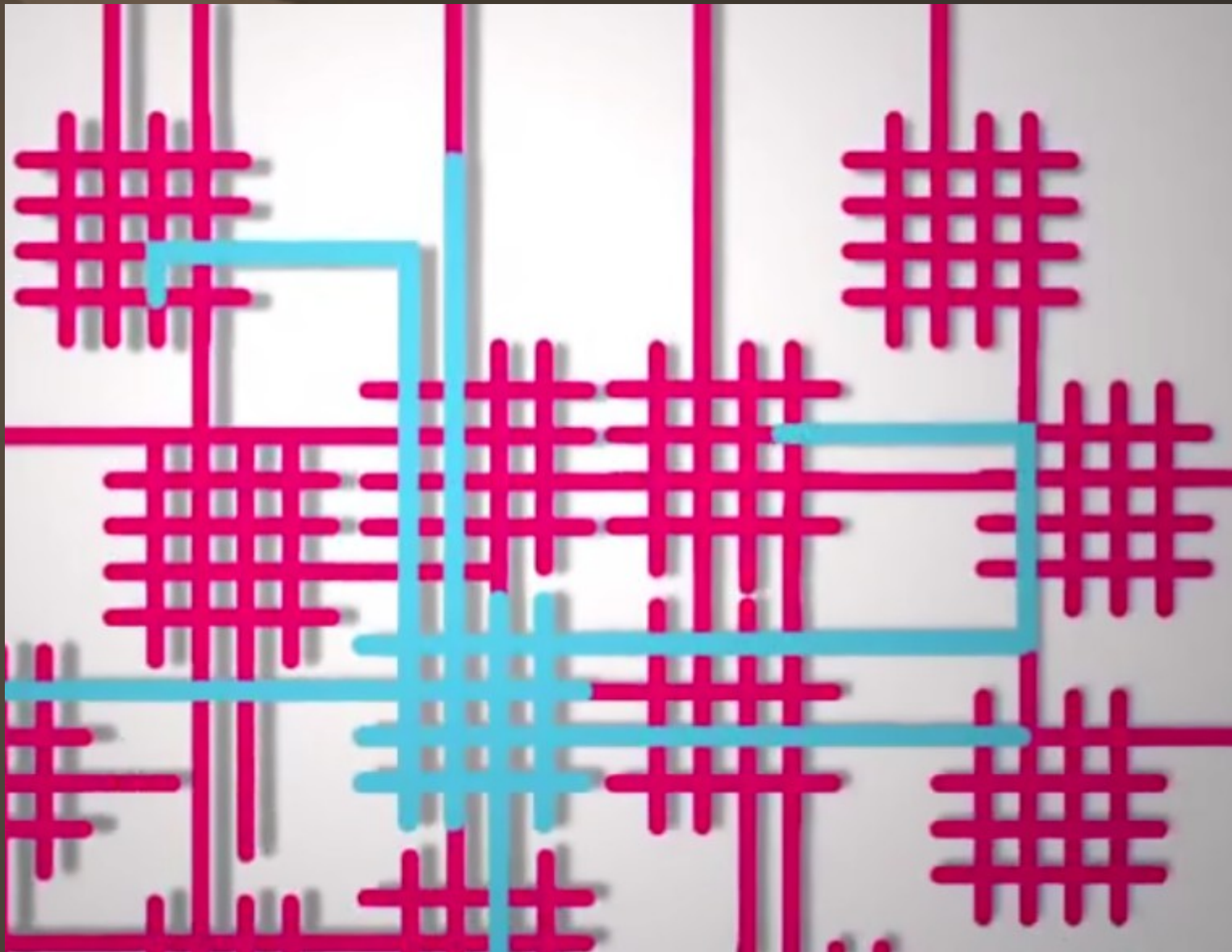
Resource Description Framework



Resource Description Framework



Resource Description Framework



The RDF Triple

Death penalty / by
Leonard A. Stevens

has subject

Capital punishment
-- United States

LC Control No.: 78005880

LCCN Permalink: <http://lccn.loc.gov/78005880>

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010 __ |a 78005880

020 __ |a [0698307011](#)

040 __ |a DLC |c DLC |d DLC

043 __ |a n-us---

050 00 |a KF9725 |b .S74

082 00 |a 345/.73/077

100 1_ |a Stevens, Leonard A.

245 10 |a Death penalty : |b the case of life vs. death in the United States / |c by Leonard A. Stevens ; foreword by Michael Meltsner.

260 __ |a New York : |b Coward, McCann & Geoghegan, |c c1978.

300 __ |a 159 p. ; |c 24 cm.

490 0_ |a Great constitutional issues

504 __ |a Bibliography: p. 154-155.

500 __ |a Includes index.

650 _0 |a Capital punishment |z United States.

600 10 |a Furman, William Henry.

991 __ |b c-LL |h KF9725 |i .S74 |t Copy 1 |w BOOKS

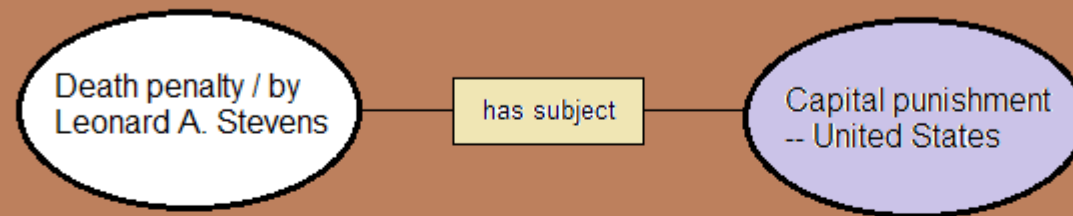
CALL NUMBER: [KF9725 .S74](#)

Copy 1

Death penalty / by
Leonard A. Stevens

has subject

Capital punishment
-- United States



Resource

Attribute

Value

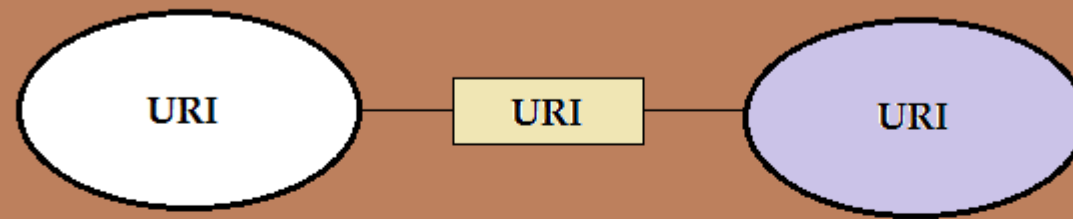
Subject



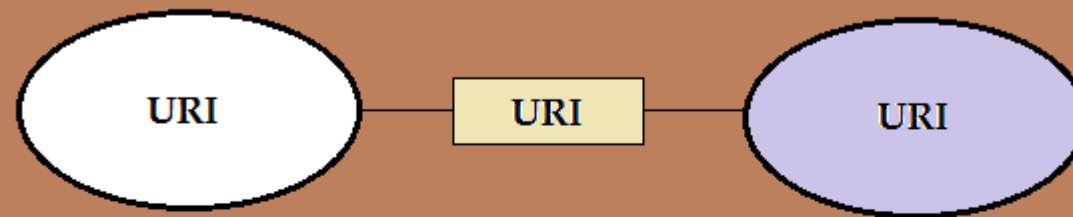
Predicate



Object



Subject \Rightarrow Predicate \Rightarrow Object



<http://www.library.com/resource/23245>

<http://id.loc.gov/authorities/subjects/sh2008100085>

<http://purl.org/dc/elements/1.1/subject>

Subject \Rightarrow Predicate \Rightarrow Object

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23245	hasPublicationDate	1978
23245	hasSubject	Capital punishment—United States
23245	hasSubject	Furman, William Henry
23245	hasAuthor	Stevens, Leonard A.
23245	hasISBN	0698307011
23245	hasLCCN	78005880

Breaking The Record

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23245	hasSubject	Furman, William Henry
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William Henry

hasAuthor	Stevens, Leonard A.
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23245

hasTitle

23245 hasTitle

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Capital punishment—United States

Henry

Stevens, Leonard A.

BN

C696397011

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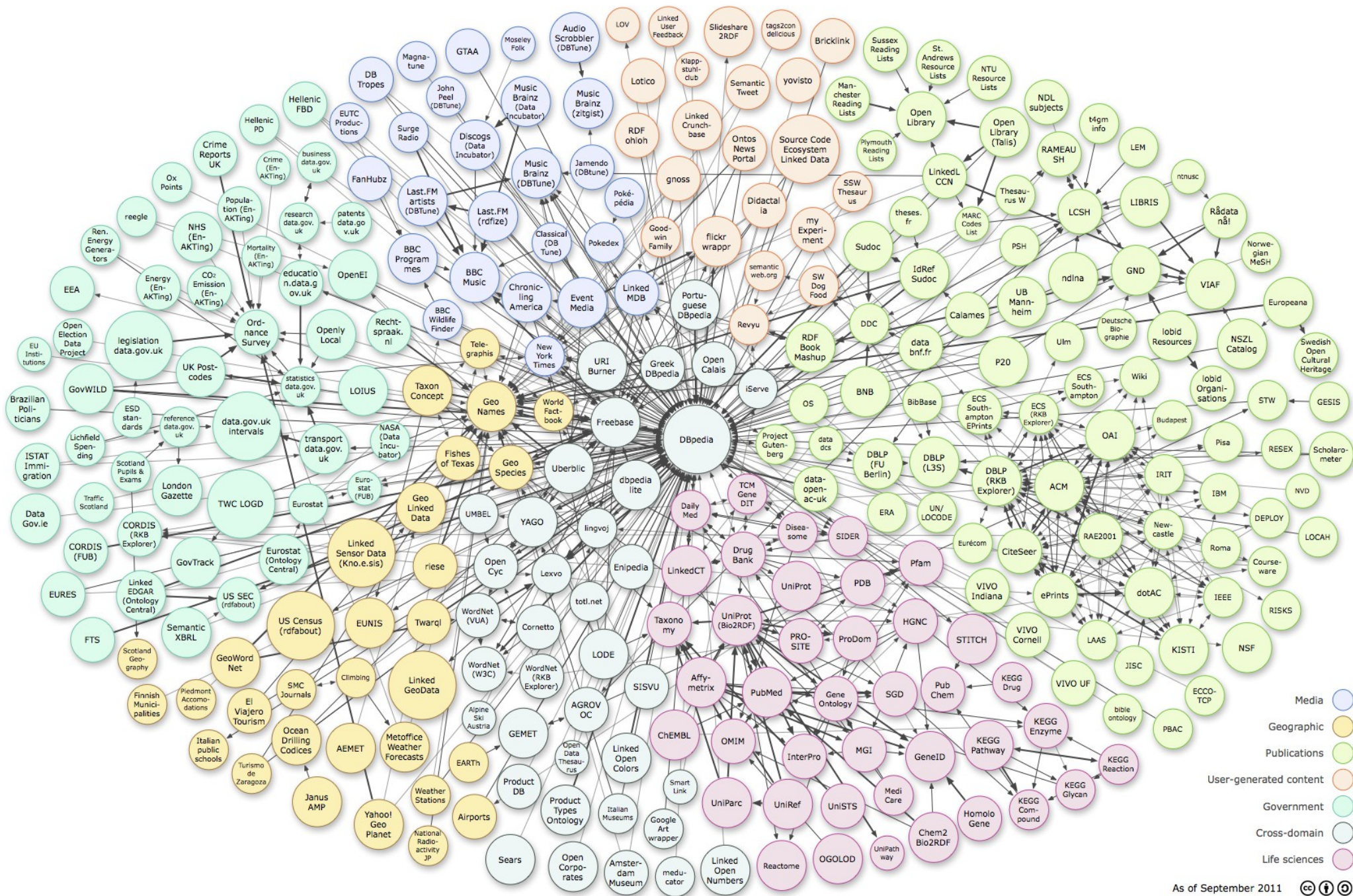
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Death penalty / by
Leonard A. Stevens

has subject

Capital punishment
-- United States

has subject



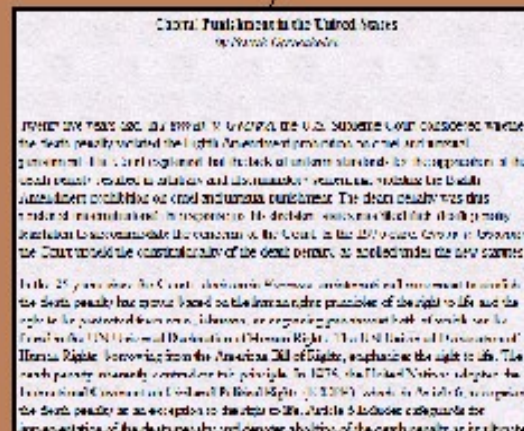
Death penalty / by
Leonard A. Stevens

has subject

Capital punishment
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has subject

has subject



Death penalty / by
Leonard A. Stevens

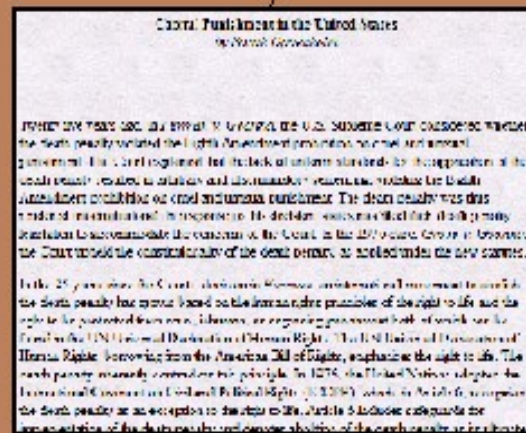
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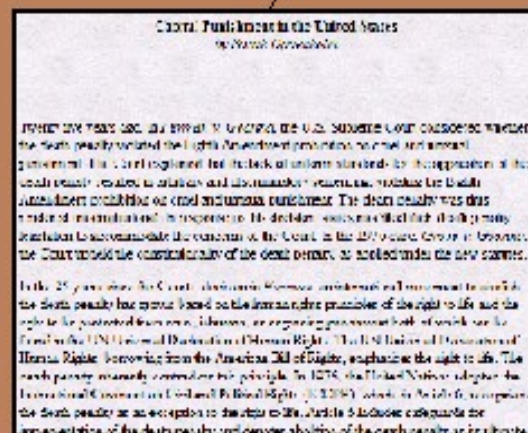
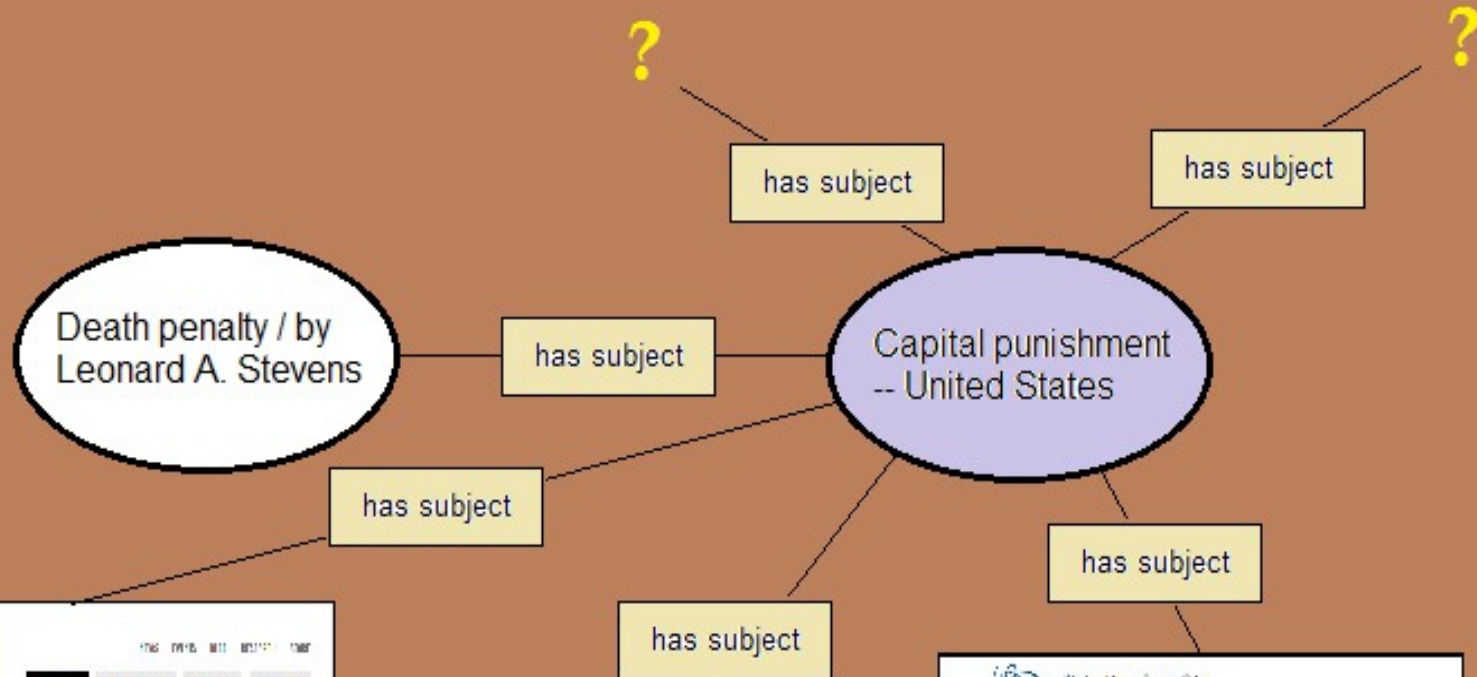
Capital punishment
-- United States

has subject

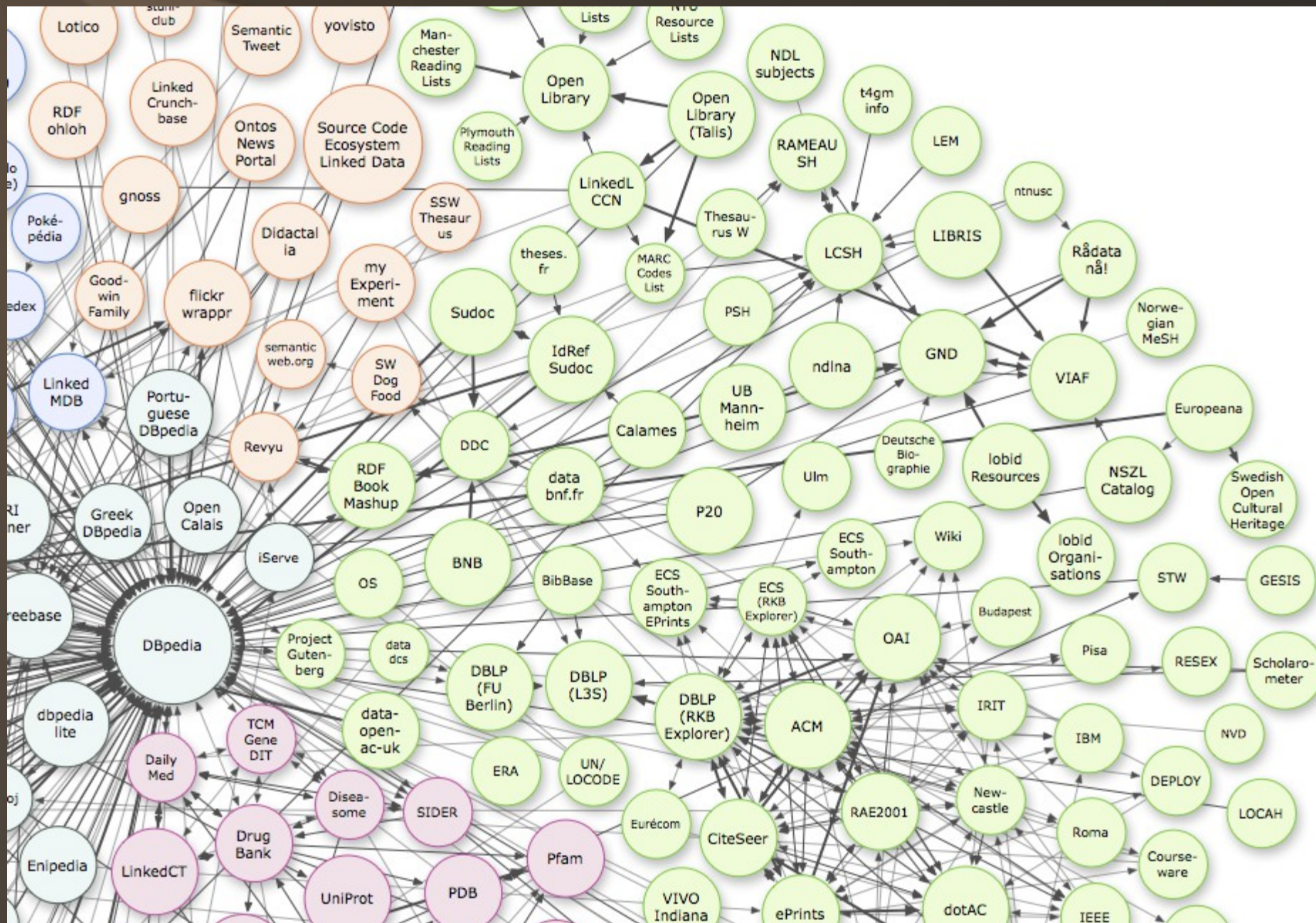
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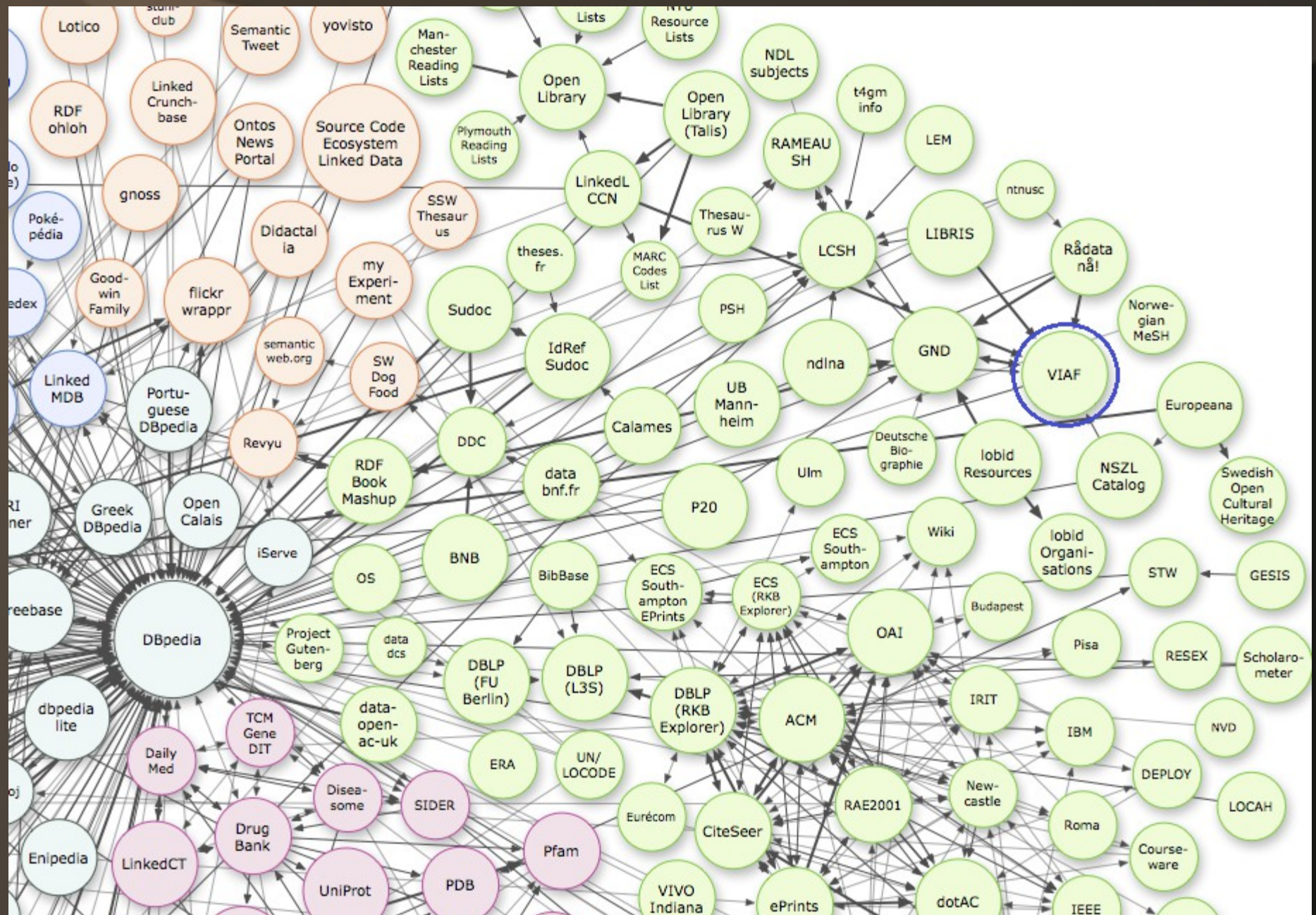
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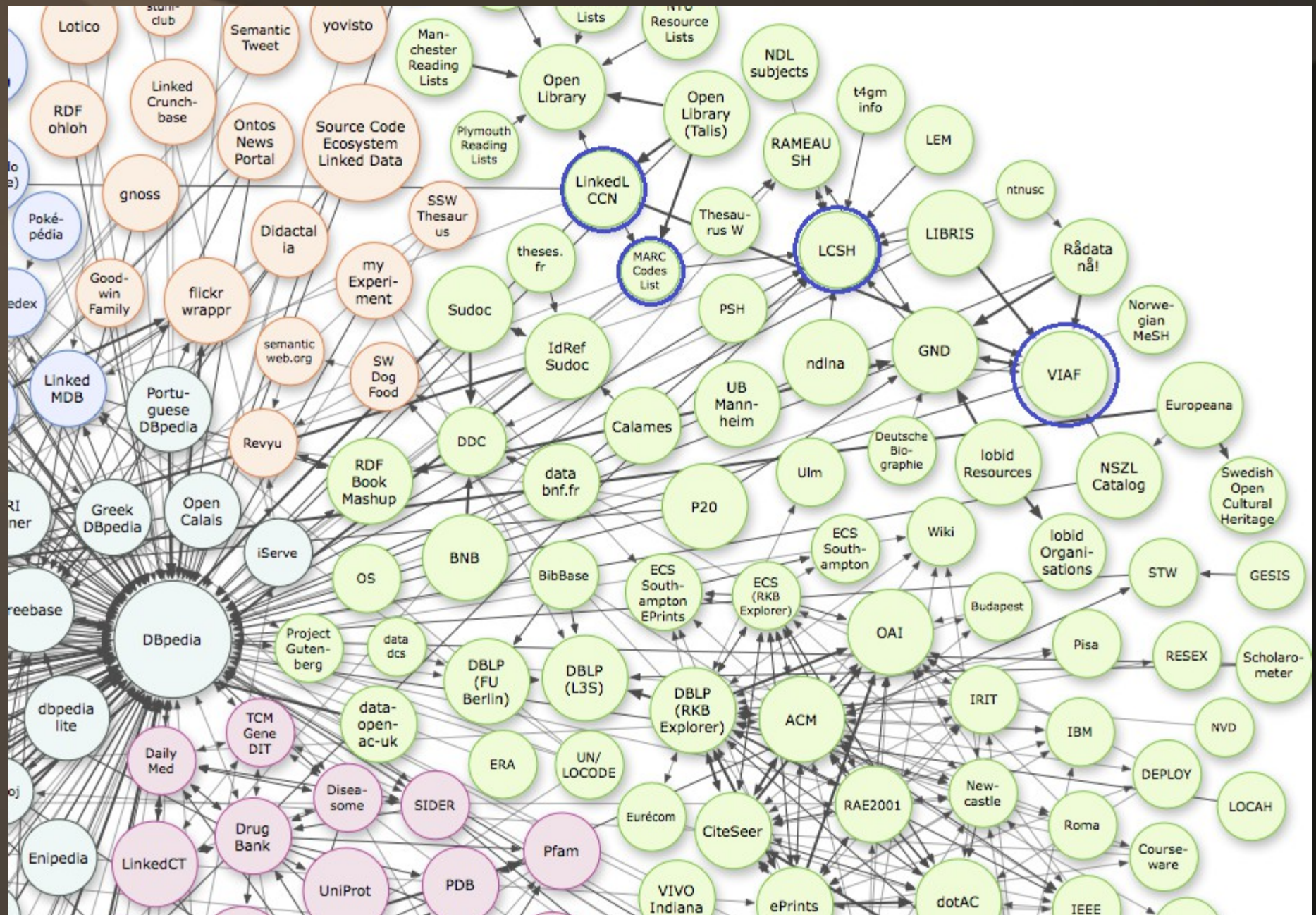


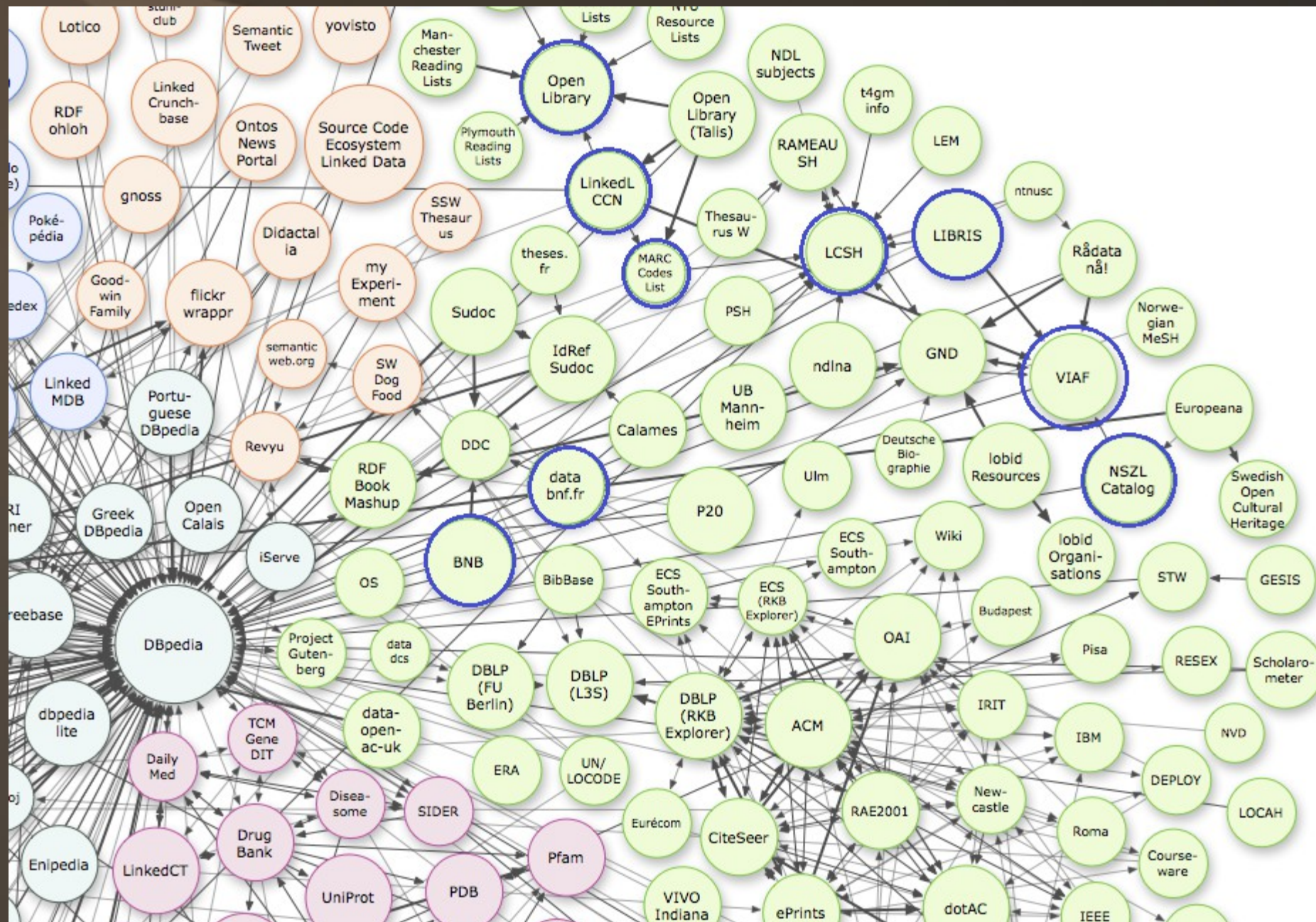


Library Linked Data









Recommendations

W3C Library Linked Data Incubator Group

For Library Leadership

- Identify sets of data as possible candidates for early exposure as Linked Data
 - identify high-priority, low-effort Linked Data projects, e.g. authority files and controlled vocabulary lists
- Foster discussions about Open Data and rights
 - seek agreement with owners about rights and licensing at the level of library consortia or even on a national or international scale

Recommendations

W3C Library Linked Data Incubator Group

For Librarians and Archivists

- Preserve Linked Data element sets and value vocabularies
- Apply library experience in curation and long-term preservation to Linked Data data sets

References Cited

Dunsire, Gordon. 2011. 'Linked Data and the Implications for Library Cataloguing: Metadata Models and Structures in the Semantic Web', Canadian Library Association Annual Conference, May, Halifax, Nova Scotia.

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Europeano.org. 2012. Linked Open Data. MP4. [<http://vimeo.com/36752317>](http://vimeo.com/36752317)

Knight, F. Tim. 2011. 'Break On Through to the Other Side: The Library and Linked Data'. *TALL Quarterly* 30 (1) (March 15).

[<http://pi.library.yorku.ca/dspace/handle/10315/6760>](http://pi.library.yorku.ca/dspace/handle/10315/6760)

O'Connor, Brian Clark. 2003. *Hunting and Gathering on the Information Savanna : Conversations on Modeling Human Search Abilities*. Lanham, Md.: Scarecrow Press.

Singer, Ross. 2009. 'Linked Library Data Now!' *Journal of Electronic Resources Librarianship* 21 (2) (April): 114–126.

W3C Library Linked Data Incubator Group. 2011. 'Library Linked Data Incubator Group: Final Report'.

[<http://www.w3.org/2005/Incubator/lld/XGR-lld-20111025>](http://www.w3.org/2005/Incubator/lld/XGR-lld-20111025)

Thanks for listening!

tknight@osgoode.yorku.ca

Twitter: [@freemoth](https://twitter.com/freemoth)

