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Ed Summers  
[edsu@loc.gov](mailto:edsu@loc.gov)

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**Cologne** (German: *Köln*, pronounced [kœln] (listen); Kölsch language: *Kölle* ['kœlə]) is Germany's fourth-largest city (after Berlin, Hamburg and Munich), and is the largest city both in the German Federal State of North Rhine-Westphalia and within the Rhine-Ruhr Metropolitan Area, one of the major European metropolitan areas with more than ten million inhabitants. It is one of the oldest cities in Germany, having been founded by the Romans in the year 38 BC.

Cologne lies on the River Rhine. The city's famous [Cologne Cathedral](#) (*Kölner Dom*) is the seat of the [Catholic Archbishop of Cologne](#). The [University of Cologne](#) (*Universität zu Köln*) is one of Europe's oldest universities.

Cologne is a major cultural center of the Rhineland and has a vibrant arts scene. Cologne is home to more than 30 museums and hundreds of galleries. Exhibitions range from local ancient Roman archeological sites to contemporary graphics and sculpture. The [Cologne Trade Fair](#) hosts a number of trade shows such as [Art Cologne](#), the International Furniture Fair (IMM) and the [Photokina](#). Cologne is also well-known for its celebration of [Cologne Carnival](#), the annual reggae [summerjam](#), and the gay/lesbian pride festival [Christopher Street Day](#) (CSD).

Cologne  
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— City —



Cologne Cathedral with Hohenzollern Bridge



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<h1>Cologne</h1>



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**<title>Cologne...</title>**



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[\*\*River Rhine\*\*](http://en.wikipedia.org/wiki/Rhine)

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*This article is about the river. For other uses of Rhine, see [Rhine \(disambiguation\)](#). For other uses of Rhein, see [Rhein \(disambiguation\)](#).*

The **Rhine** (German: *Rhein*; Dutch: *Rijn*; French: *Rhin*; Romansh: *Rain*; Italian: *Reno*; Latin: *Rhenus* West Frisian *Ryn*) is one of the longest and most important [rivers in Europe](#), at 1,320 km (820 mi), with an average discharge of more than 2,000 m<sup>3</sup>/s (71,000 cu ft/s).

The name of the Rhine derives from [Gaulish](#) *Renos*, and ultimately from the [Proto-Indo-European](#) root \**reie-* ("to move, flow, run"), which is also the root of words like *river* and *run*.<sup>[2]</sup> The [Reno River](#) in Italy shares the same etymology. The spelling with -h- seems to be borrowed from the Greek form of the name, *Rhenos*.<sup>[2]</sup>

The Rhine and the [Danube](#) formed most of the northern inland frontier of the [Roman Empire](#) and, since those days, the Rhine has been a vital, navigable waterway, and carried trade and goods deep inland. It has also served as a defensive feature and has been the basis for regional and international borders. The many [castles](#) and prehistoric [fortifications](#) along the Rhine testify to its importance as a waterway. River traffic could be stopped at these locations, usually for the purpose of collecting

**Rhine (Rhein)**  
River



Burg Katz, with [Loreley](#) rock in Rhineland-Palatinate

**Name origin:** Proto-Indo-European root \**reie-* ("to move, flow, run")

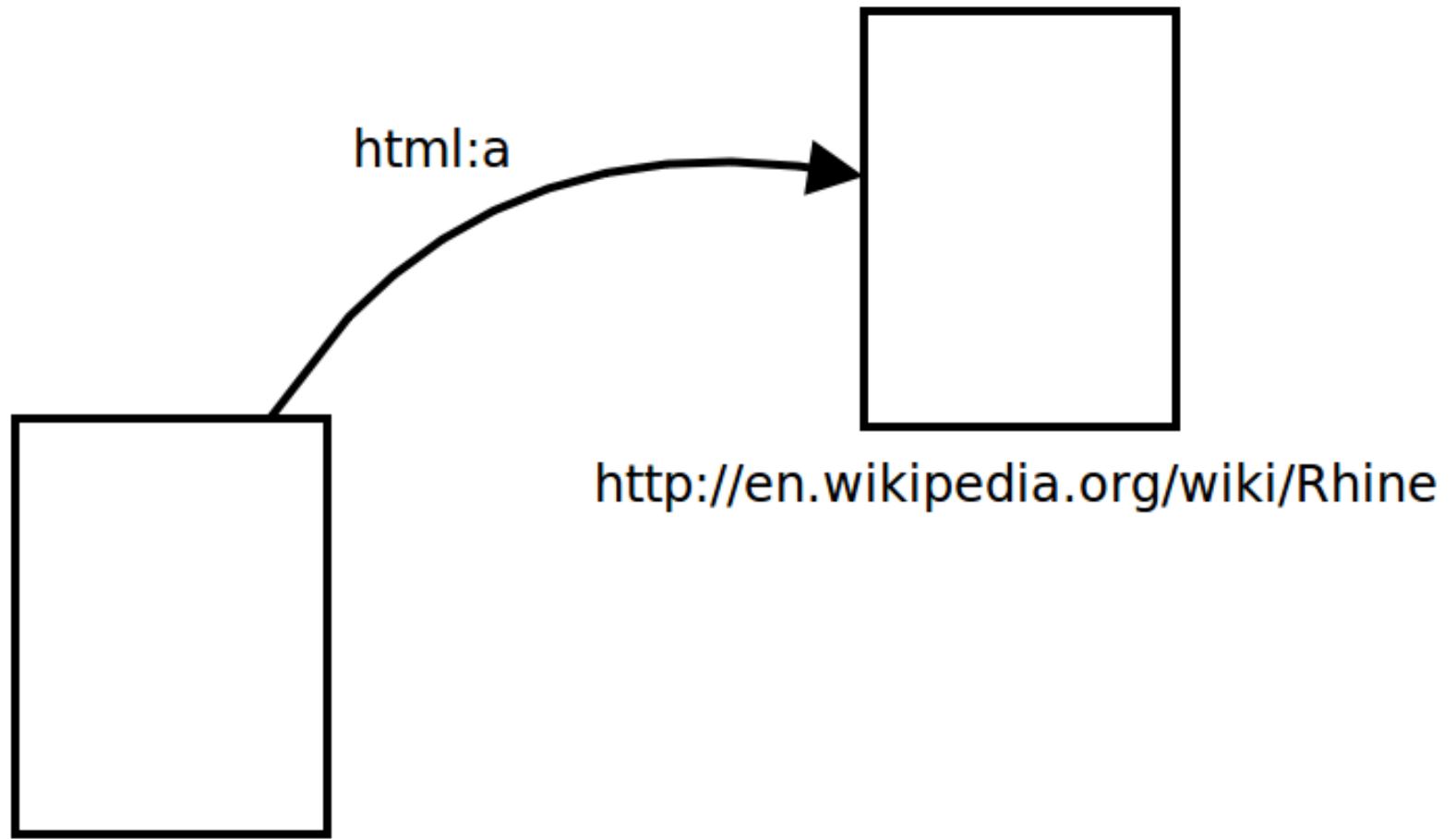
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|                            | Switzerland,   |  | Austria,    |
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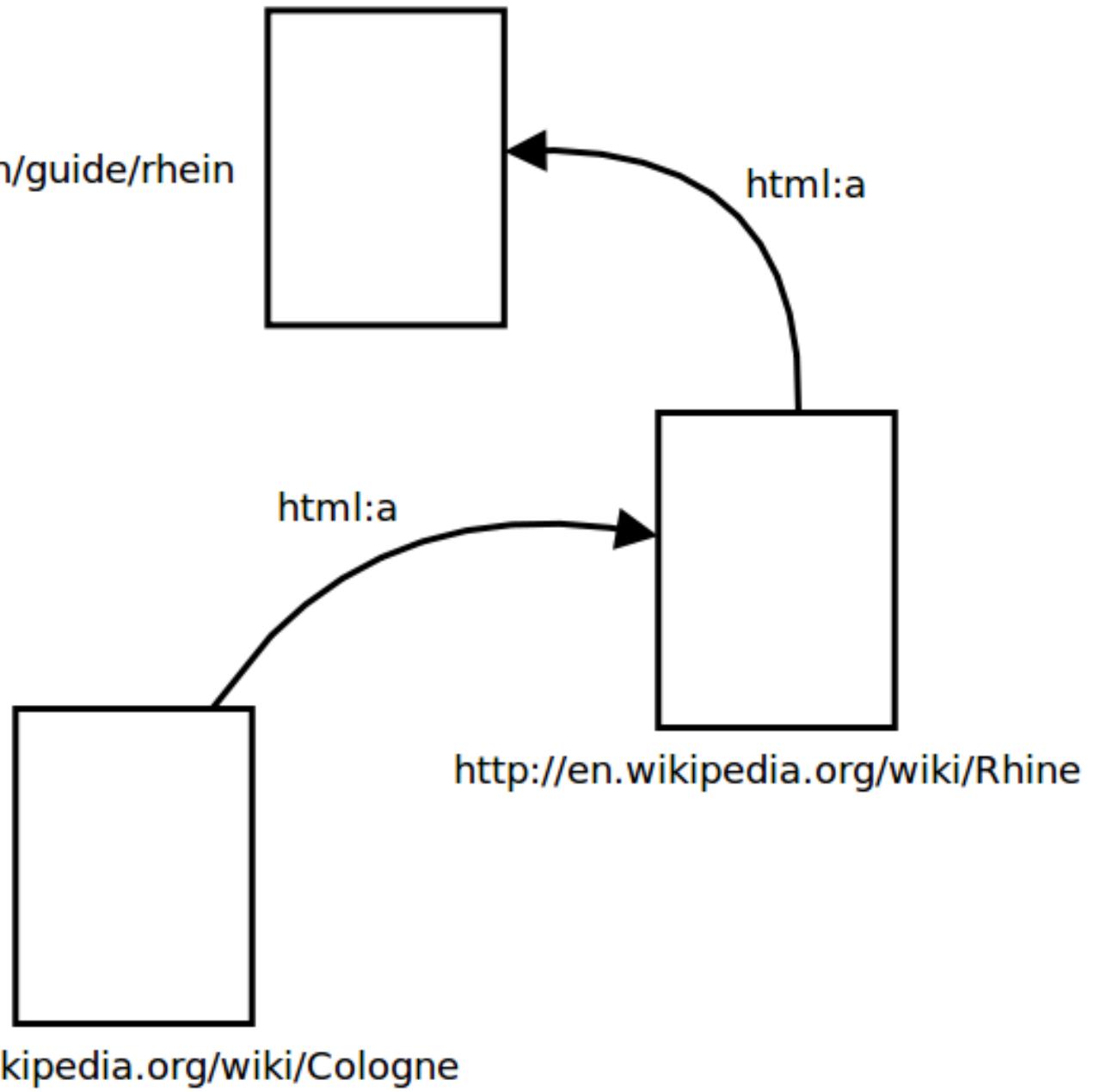
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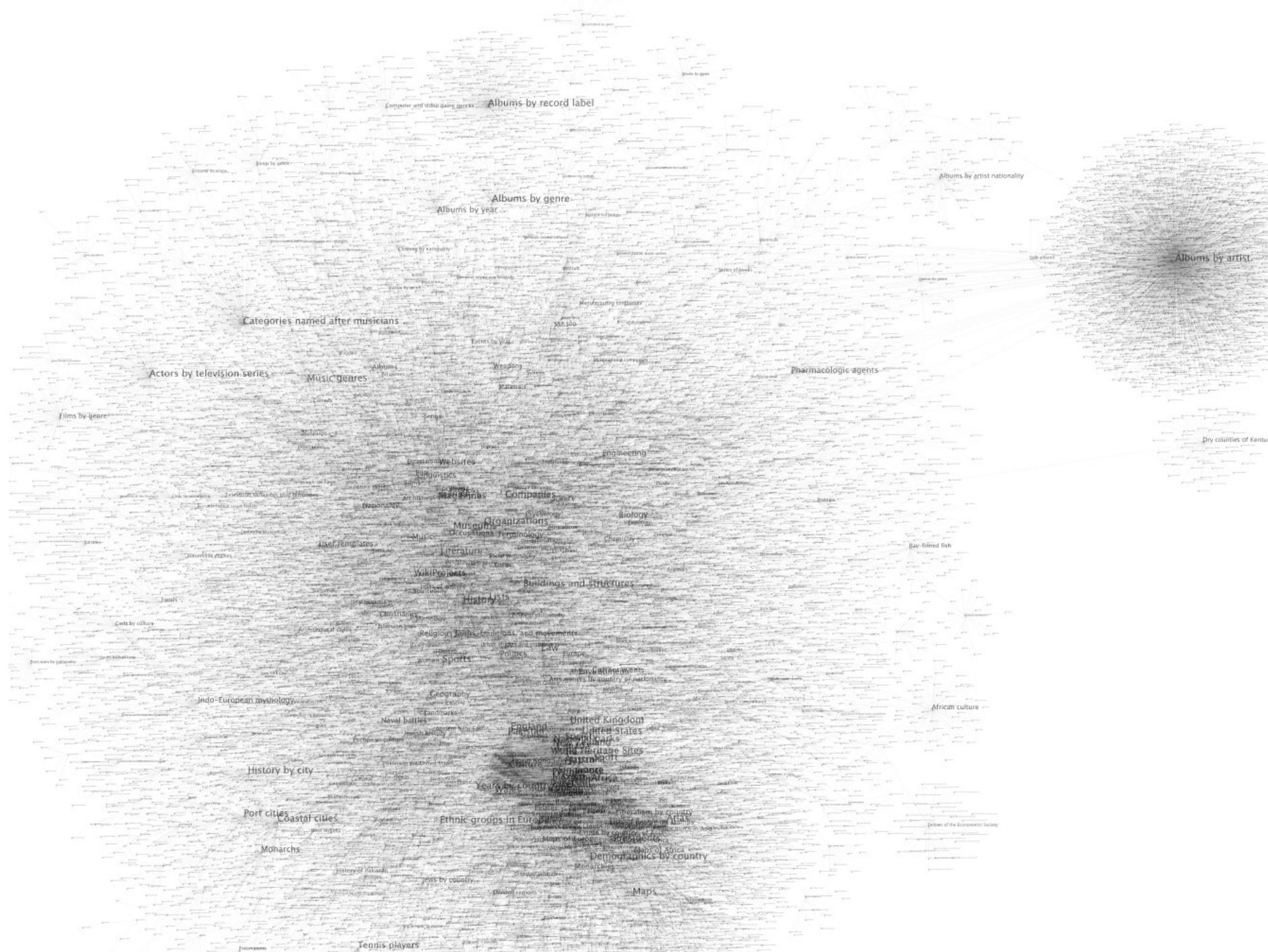
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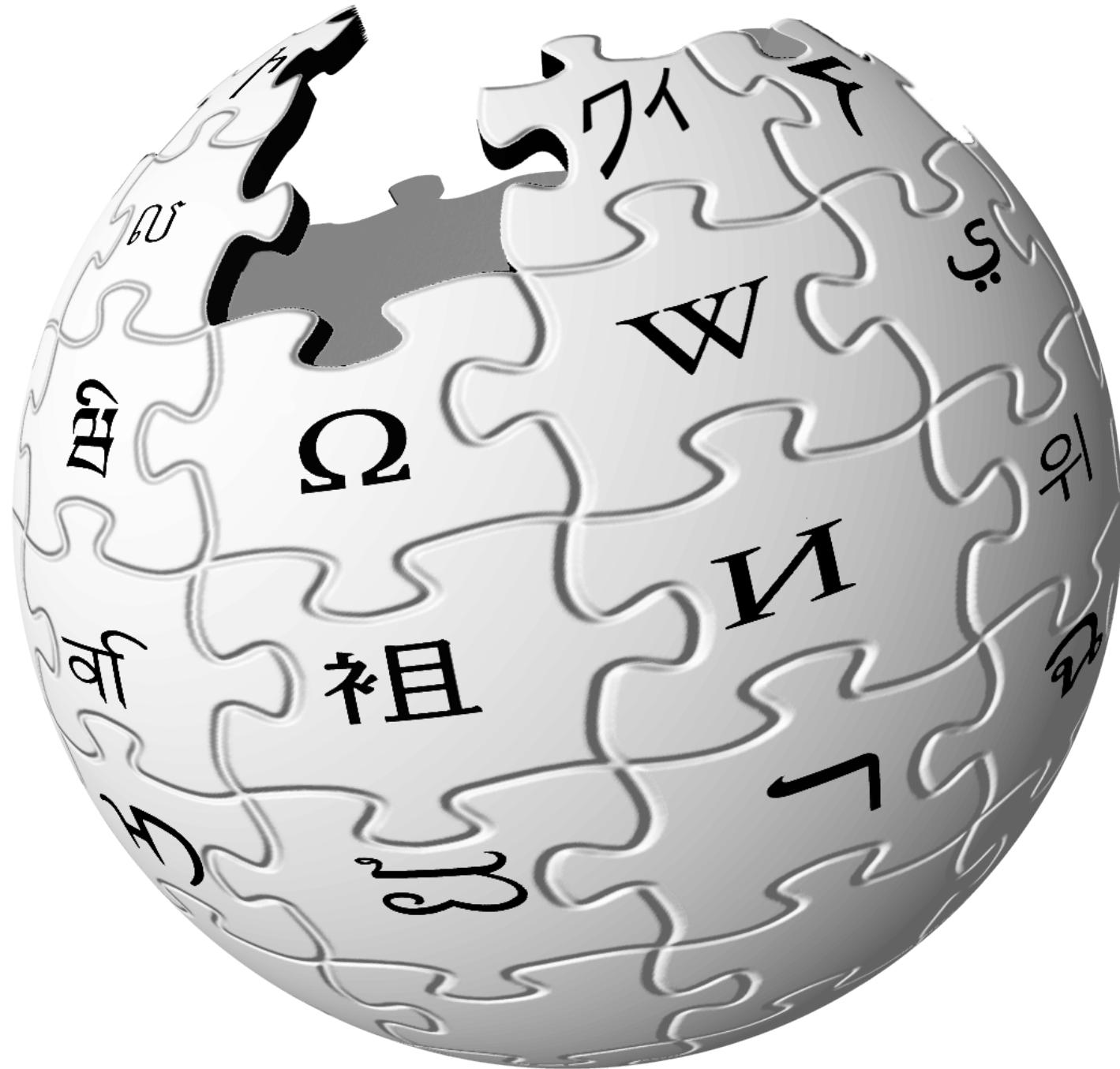


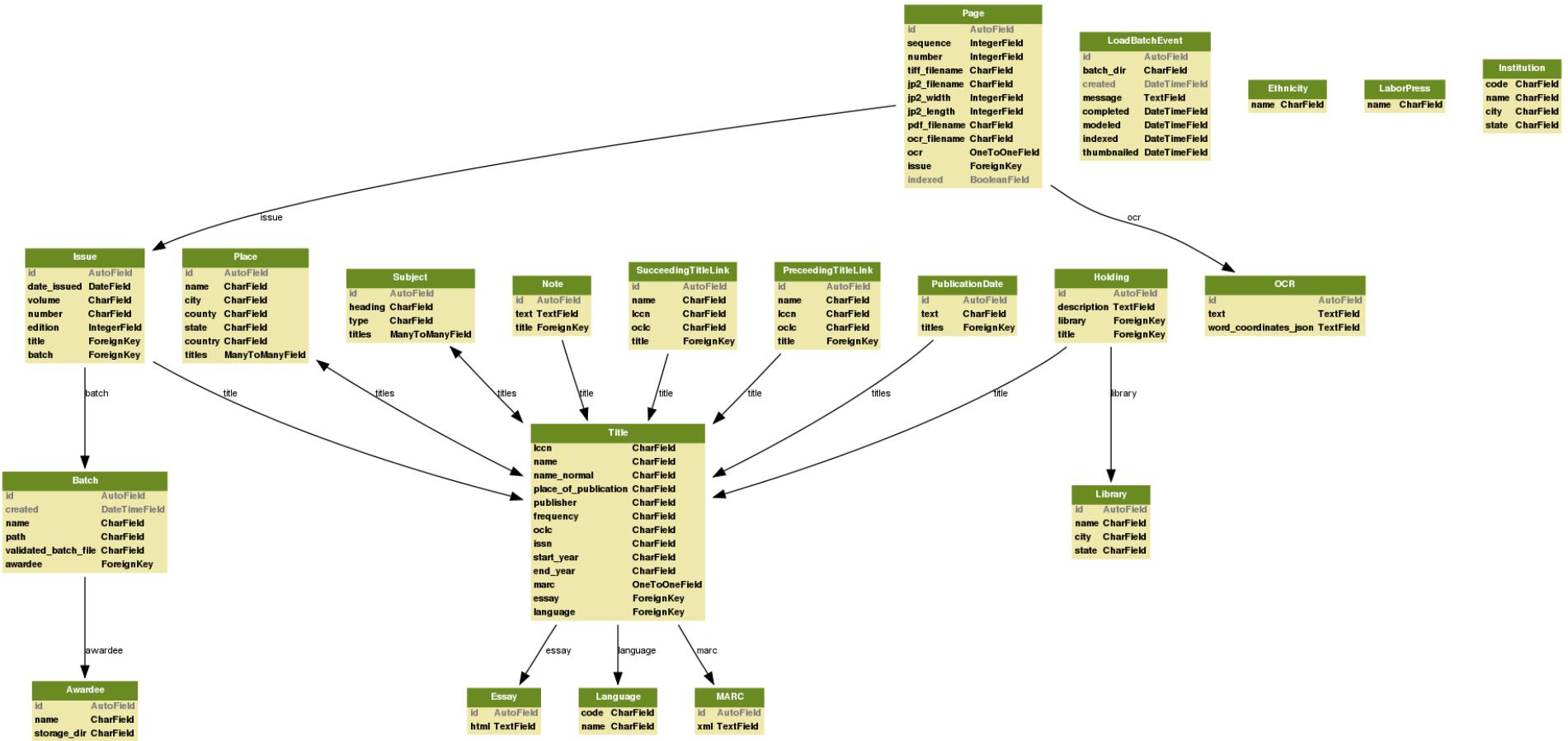
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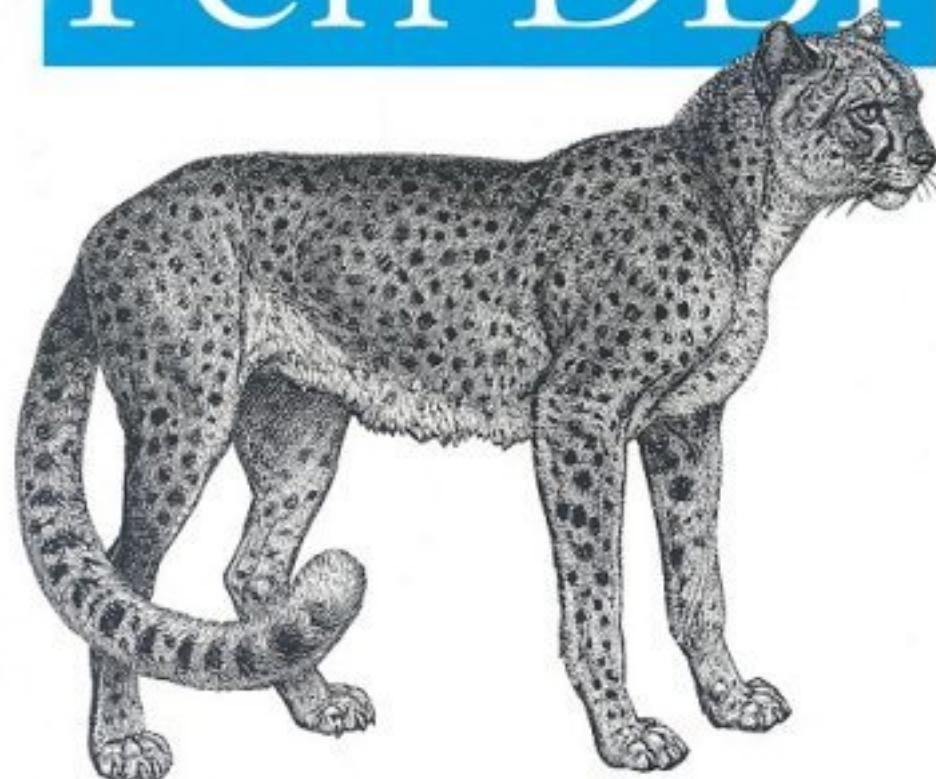
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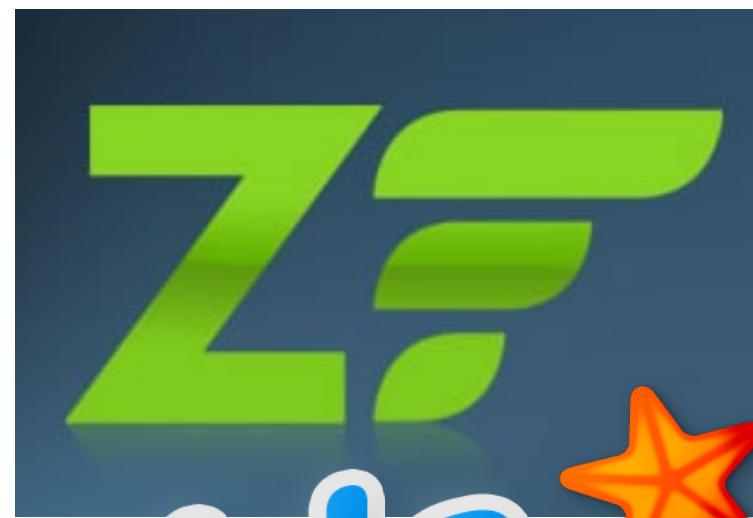
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# django



# seaside

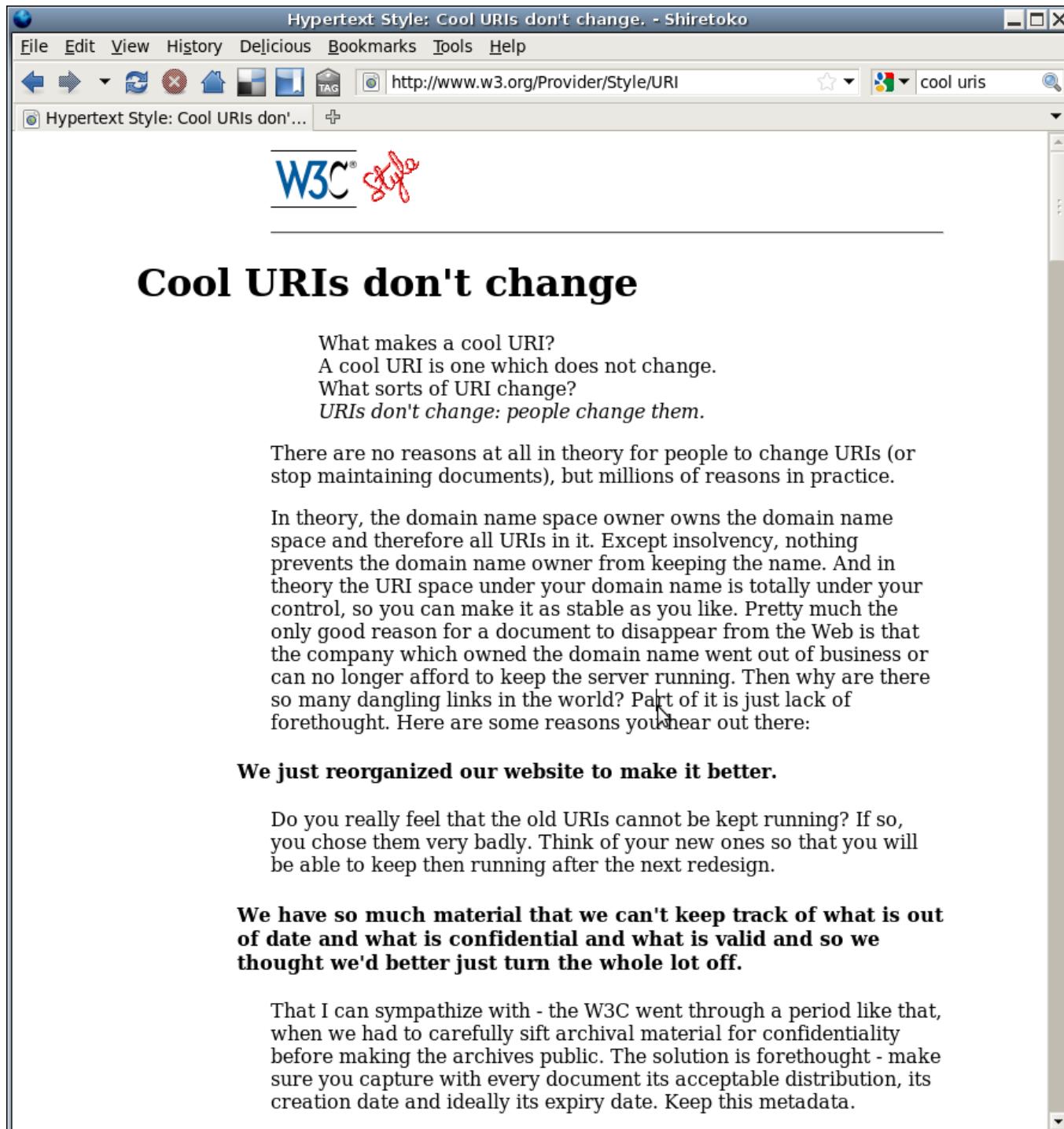


```
map.connect('item', '/{lccn}', controller='views', action='item')
```

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**<http://lccn.loc.gov/92207367>**



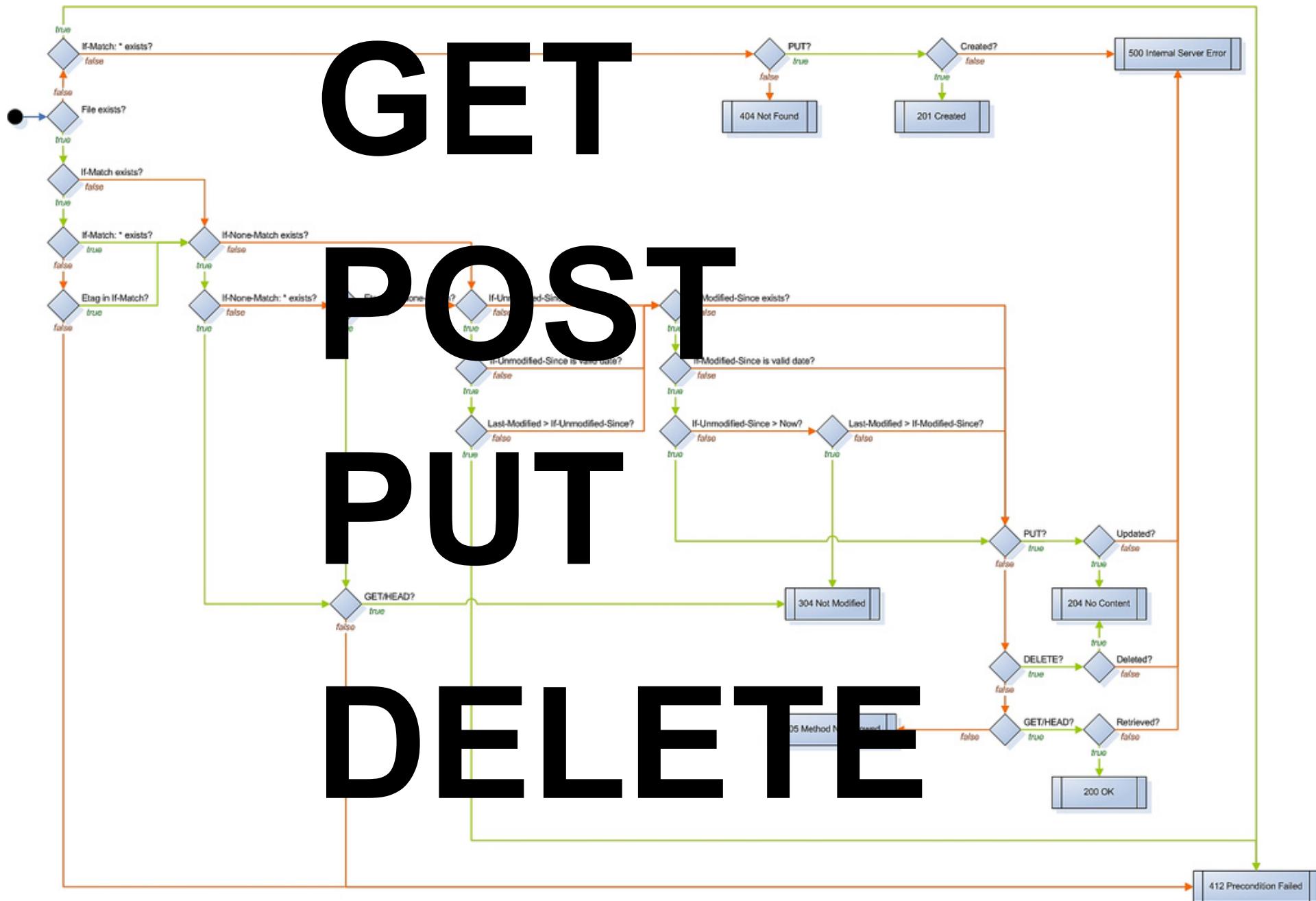
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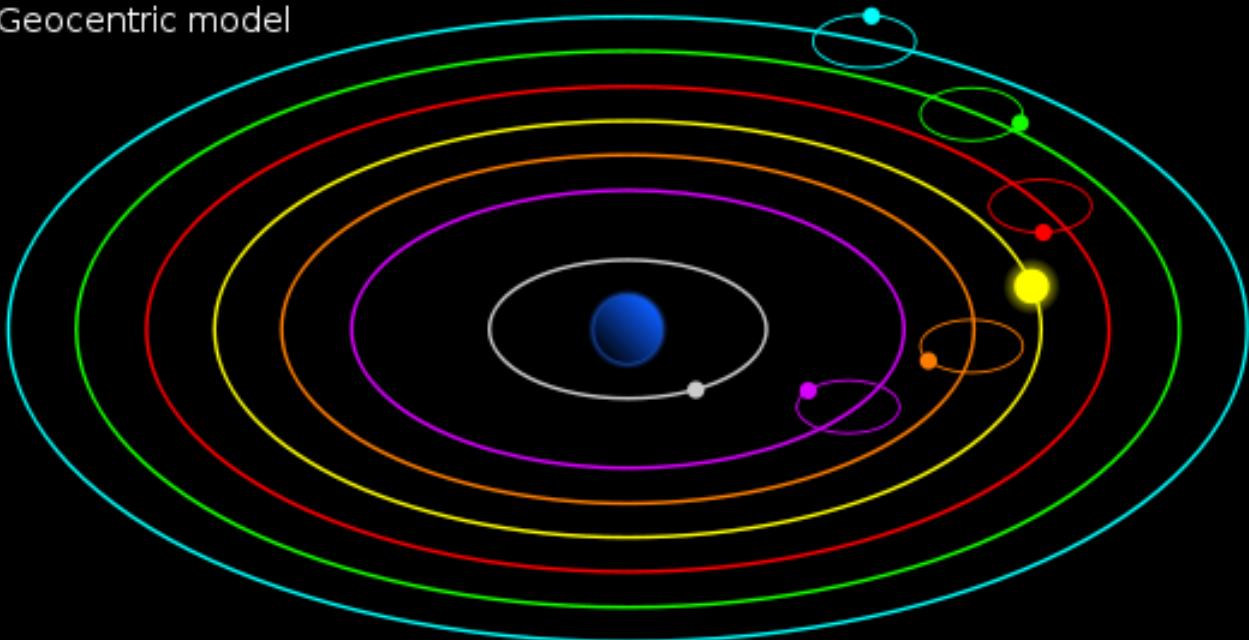
By Corey A. Harper and Barbara B. Tillett

## **SUMMARY:**

*This article discusses how various controlled vocabularies, classification schemes and thesauri can serve as some of the building blocks of the Semantic Web. These vocabularies have been developed over the course of decades, and can be put to great use in the development of robust web services and Semantic Web technologies. The article covers how initial collaboration between the Semantic Web, Library and Metadata communities are creating partnerships to complete work in this area. It then discusses some cores principles of authority control before talking more specifically about subject and genre vocabularies and name authority. It is hoped that future systems for internationally shared authority data will link the world's authority data from trusted sources to benefit users worldwide. Finally, the article looks at how encoding and markup of vocabularies can help ensure compatibility with the current and future state of Semantic Web development and provides examples of how this work can help improve the findability and navigation of information on the World Wide Web.*

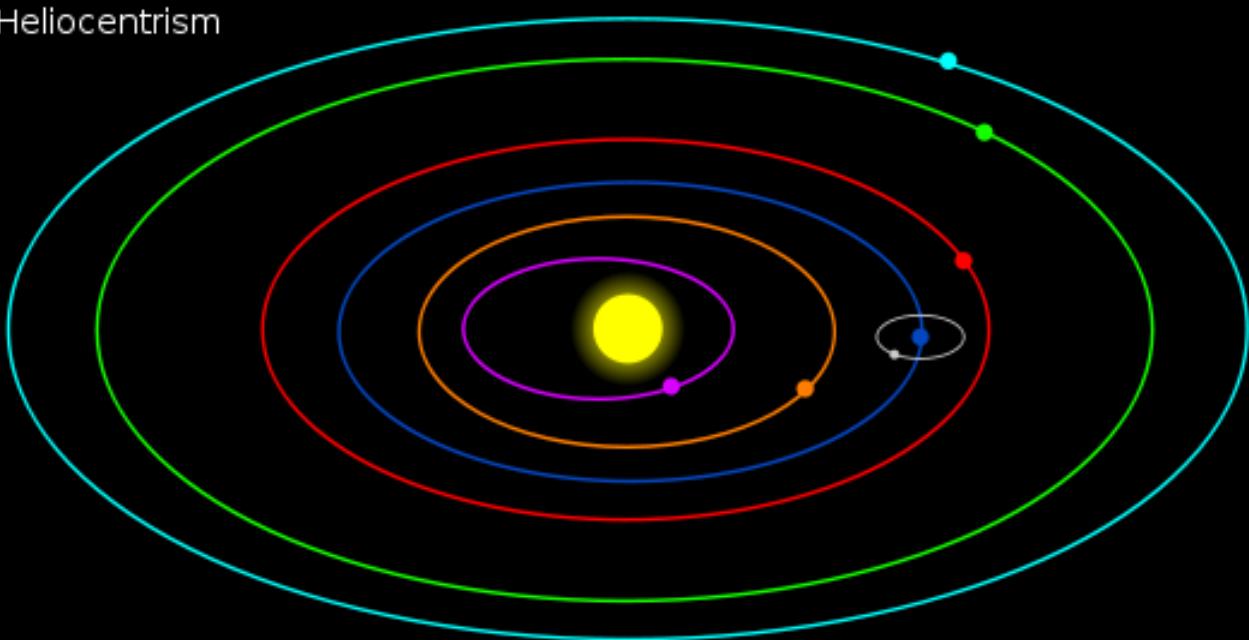
**KEYWORDS:** Controlled vocabularies, Semantic Web building blocks, authority control

Geocentric model

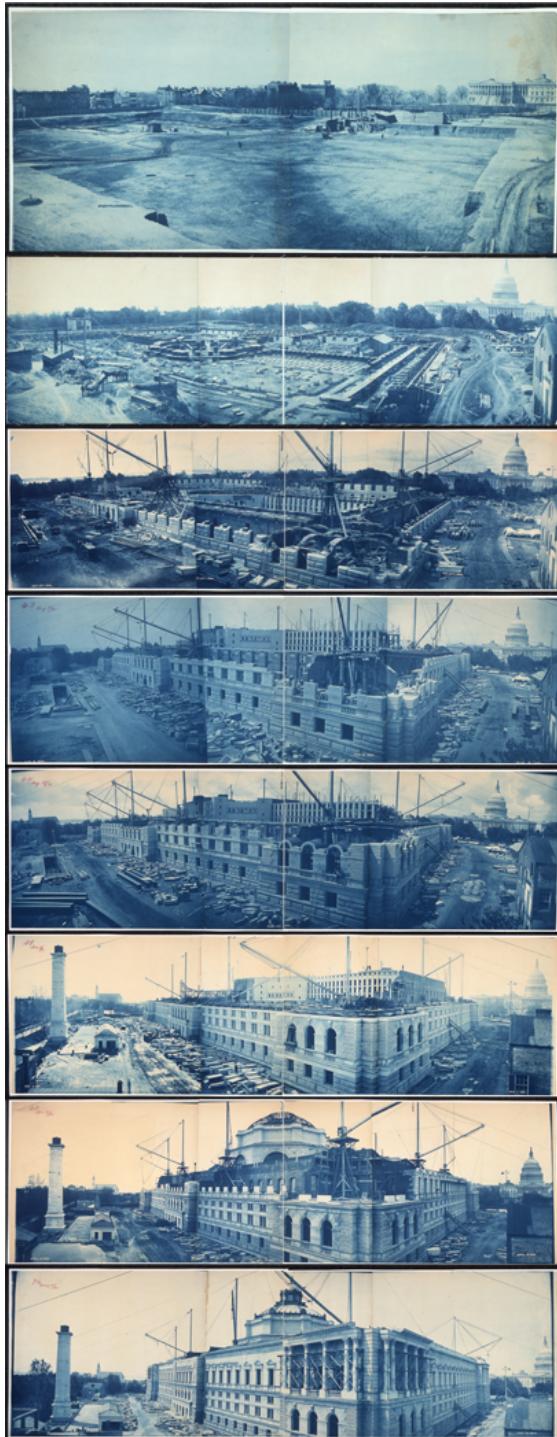


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**Mercury**  
Venus  
Sun  
Mars  
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Heliocentrism











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mar.

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R735

Rostieri, P. S.

New Italian grammar  
Ed. 4 enl. Florence, 1873.

For other editions see author card.

937 Clark, Frederick William  
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Influence of sea-power  
on the history of the  
Roman republic.

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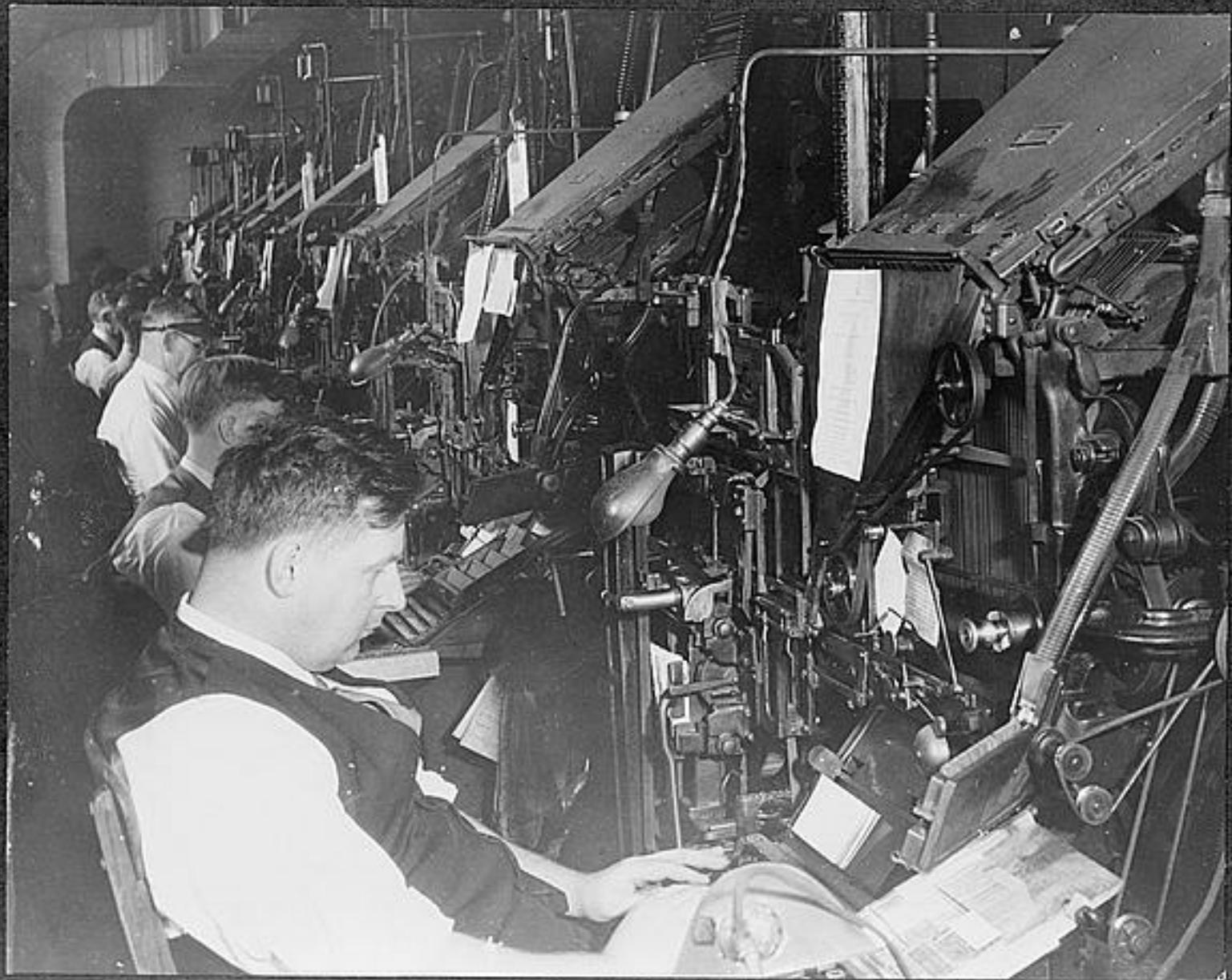
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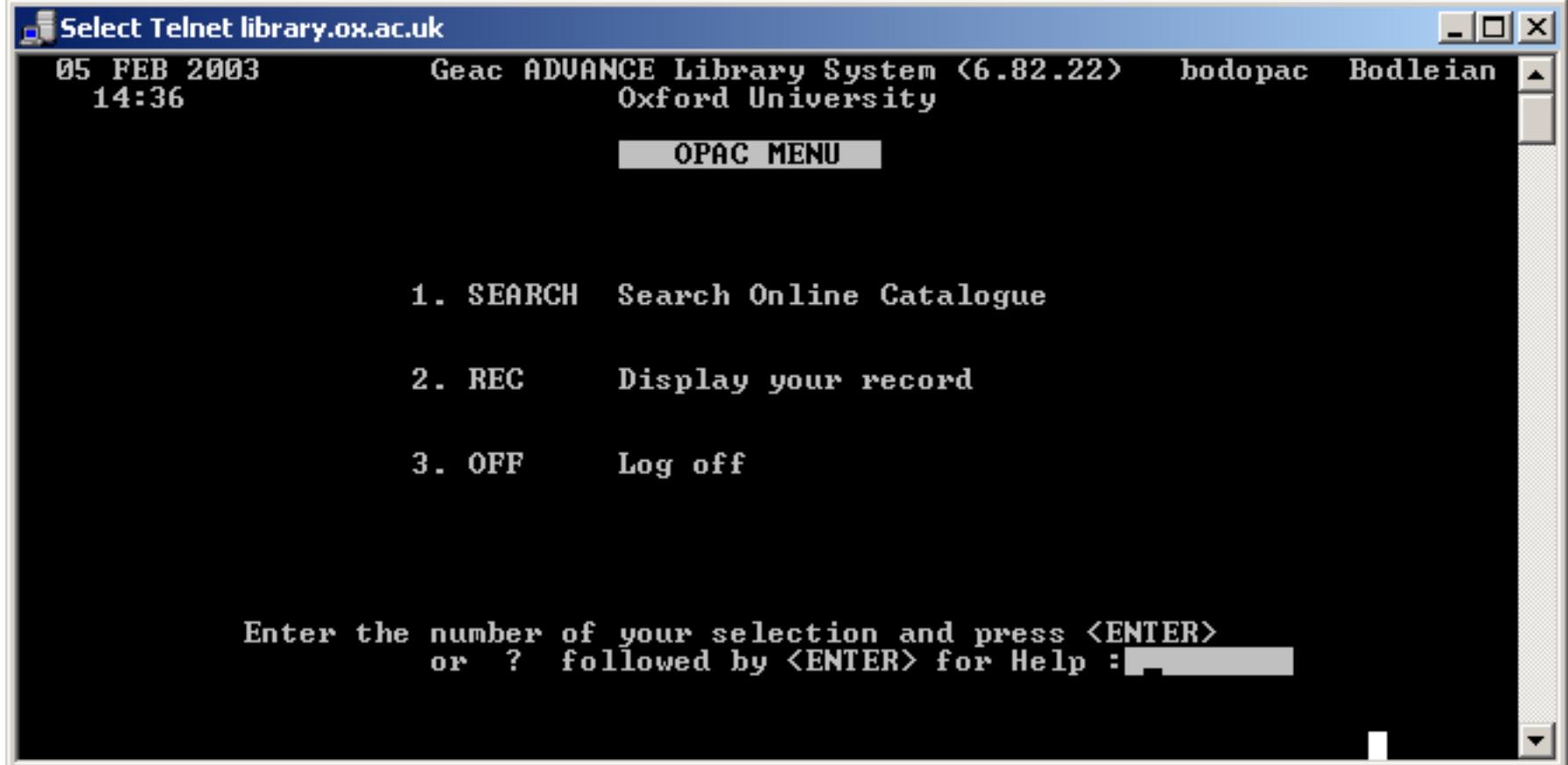
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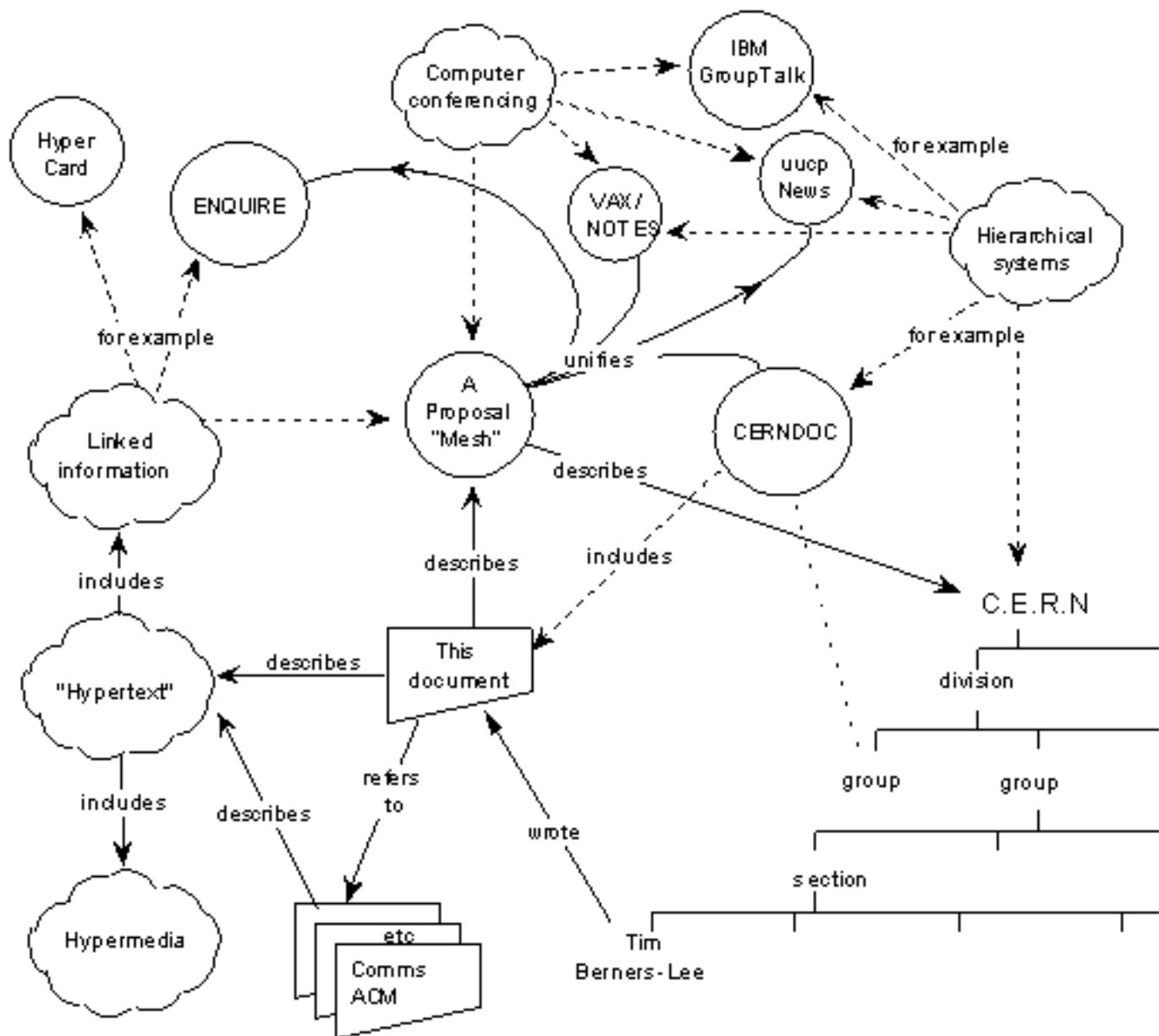
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  - Op Note
  - Ward Note
  - Pharmacy
  - Discharge

RJ&AH SGML/XML  
Data  
**Clinic Notes**

CRN: 20/0297  
Date Seen: 11/07/94

2

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- 337 ▼ RJ&AH SGML/XML Data
- 105 ► Clinic Notes
- 137 ► Op Note
- 87 ► Ward Note
- Pharmacy
- 8 ► Discharge

Lautenbach irrigation and the benefits of this and the benefits of discontinuing taking courses of antibiotics. At present, she is going to go away and think about. I have arranged for a CT Scan, repeated the blood test and will see her again in clinic in 6 to 8 weeks time. I have

3

Find: lauten<sup>1</sup>

Find: lauten\* in <opnote>

Find: [(lauten\* in <opnote>) and (Richardson in <Surgeon>)]

4

## epr

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SGML/XML Data</EPRTITLE>
  - <CONT\_TYPE>Clinic  
Notes</CONT\_TYPE>
  - 23 ► <CONT\_TYPE>Op  
Note</CONT\_TYPE>
  - <CONT\_TYPE>Ward  
Note</CONT\_TYPE>
  - <CONT\_TYPE>Pharmacy</CONT\_TYPE>

of</OPTIT> Lautenbach irrigation system  
**<SURGEON>** Surgeon: Professor Richardson</SURGEON>  
**<ASSIST>** Assistant: Mr. Talkhani and Mr. El Houdiri</ASSIST>

**<OPBODY>** PROCEDURE Under

Find: [(lauten\* in <opnote>) and (Richardson in (<Surgeon> or <Assist>))]

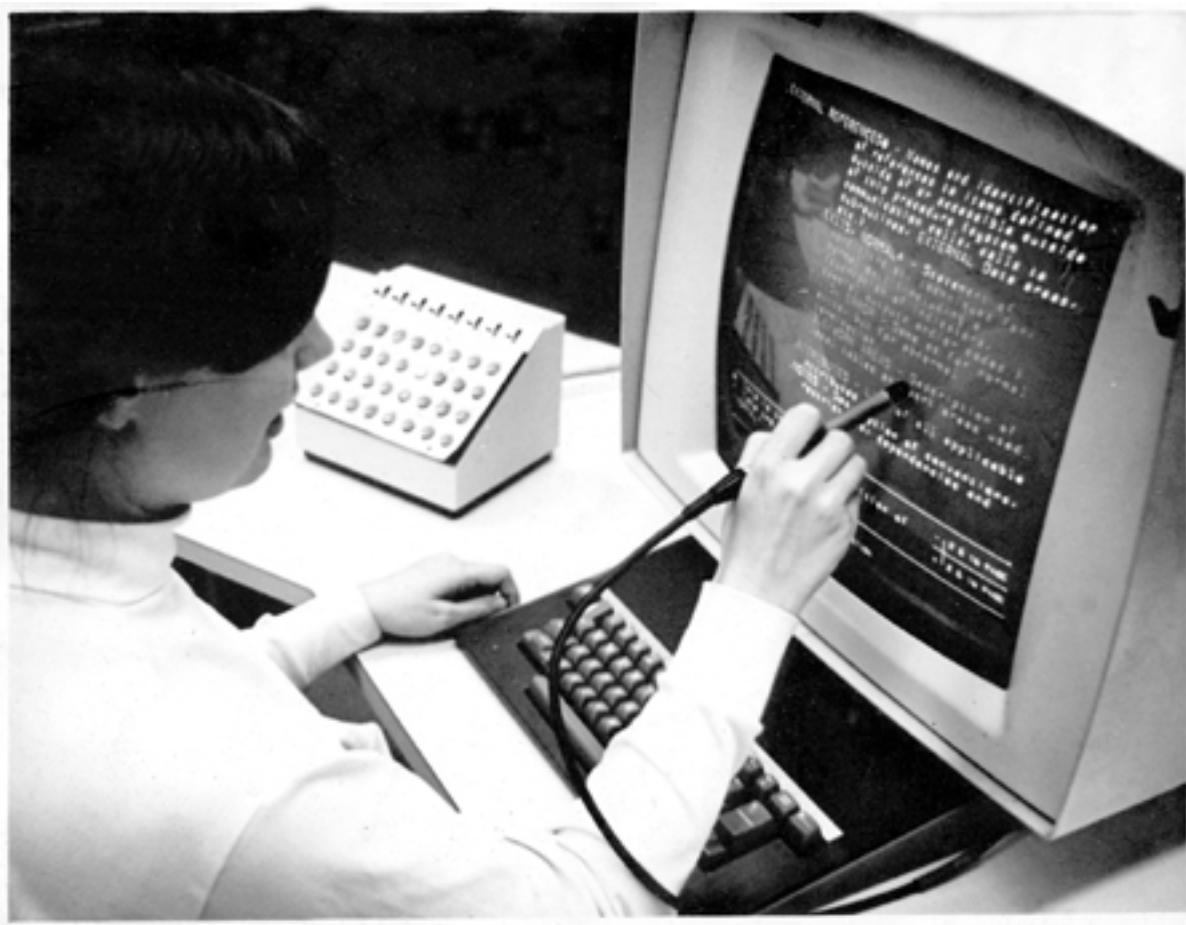
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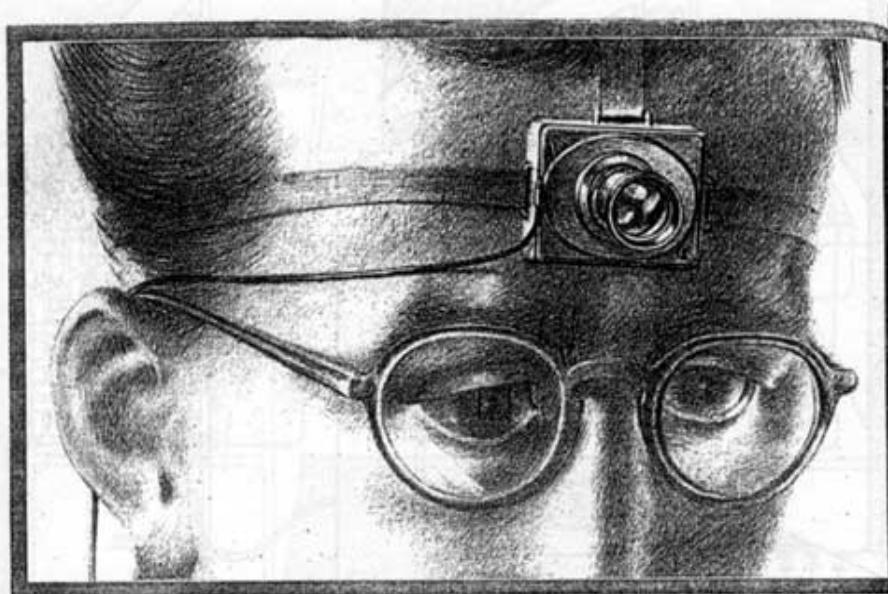
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This session is entirely devoted to a presentation by Dr. Engelbart on a computer-based, interactive, multiconsole display system which is being developed at Stanford Research Institute under the sponsorship of ARPA, NASA and RADC. The system is being used as an experimental laboratory for investigating principles by which interactive computer aids can augment intellectual capability. The techniques which are being described will, themselves, be used to augment the presentation.

The session will use an on-line, closed circuit television hook-up to the SRI computing system in Menlo Park.

Following the presentation remote terminals to the system, in operation, may be viewed during the remainder of the conference in a special room set aside for that purpose.



A SCIENTIST OF THE FUTURE RECORDS EXPERIMENTS WITH A TOY CAMERA FITTED WITH UNIVERSAL-FOCUS LENS. THE SMALL SQUARE IN THE EYEGLASS AT THE LEFT SIGHTS THE ONE

# AS WE MAY THINK

A TOP U.S. SCIENTIST FORESEES A POSSIBLE FUTURE WORLD  
IN WHICH MAN-MADE MACHINES WILL START TO THINK

by VANNEVAR BUSH

DIRECTOR OF THE OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

Condensed from the *Atlantic Monthly*, July 1945

This has not been a scientists' war; it has been a war in which all have had a part. The scientists, burying their old professional competition in the demand of a common cause, have shared greatly and learned much. It has been exhilarating to work in effective partnership. What are the scientists to do next?

For the biologists, and particularly for the medical scientists, there can be little indecision, for their war work has hardly required them to leave the old paths. Many indeed have been able to carry on their war research in their familiar peacetime laboratories. Their objectives remain much the same.

It is the physicists who have been thrown most violently off stride, who have left academic pursuits for the making of strange destructive gadgets, who have had to devise new methods for their unanticipated assignments. They have done their part on the devices that made it possible to turn back the enemy. They have worked in combined effort with the physicians of our allies. They have felt within themselves the stir of achievement. They have been part of a great team. Now one asks where they will find objectives worthy of their best.

\* \* \*

There is a growing mountain of research. But there is increased evidence that we are being bogged down today as specialization extends. The investigator is staggered by the findings and conclusions of thousands of other workers—conclusions which he cannot find time to grasp, much less to remember, as they appear. Yet specialization becomes increasingly necessary for prog-

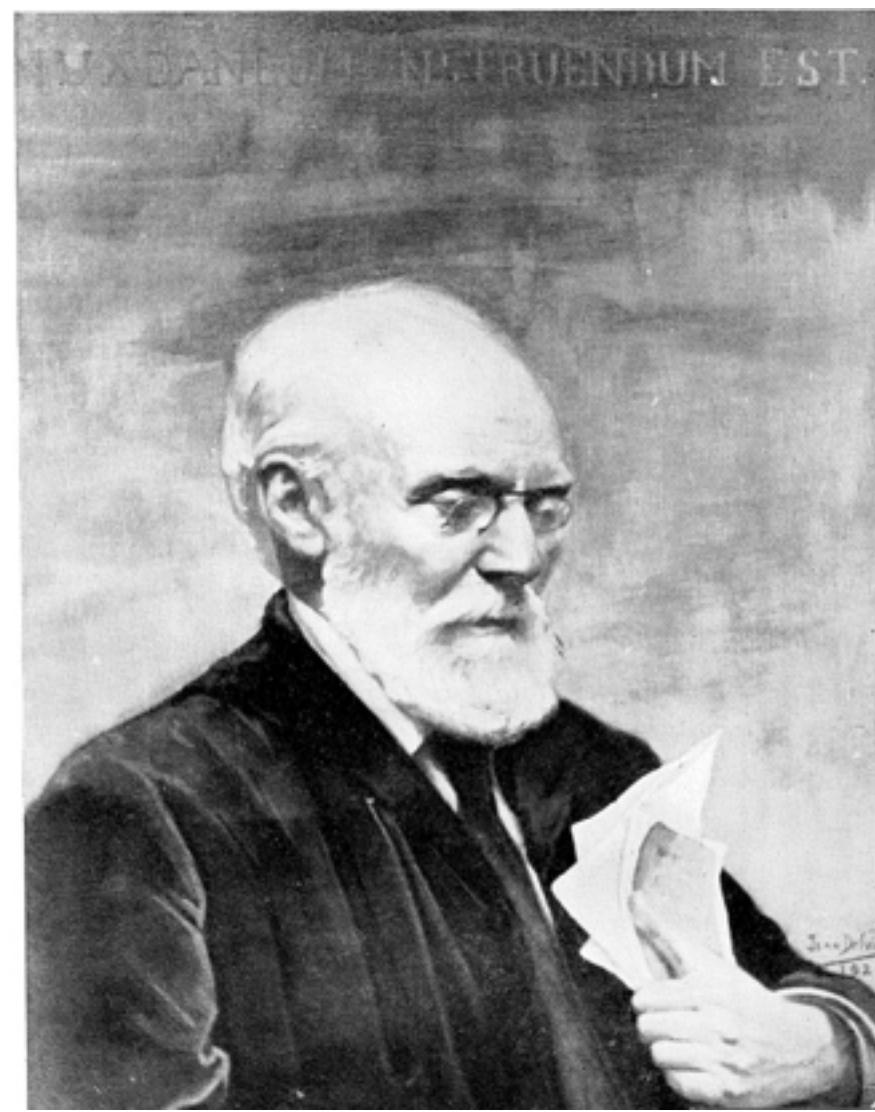
ress, and the effort to bridge between disciplines is correspondingly sup-

erfluous. Professionally our methods of transmitting and reviewing the results research are generations old and by now are totally inadequate for their purpose. If the aggregate time spent in writing scholarly works and in reading them could be evaluated, the ratio between these amounts of time might well be startling. Those who conscientiously attempt to keep abreast of current thought, even in restricted fields, by close and continuous reading may well shy away from an examination calculated to show how much of the previous month's efforts could be produced on call.

Mendel's concept of the laws of genetics was lost to the world for a generation because his publication did not reach the few who were capable of grasping and extending it. This sort of catastrophe is undoubtedly repeated all about us as truly significant attainments become lost in the noise of the inconsequential.

Publication has been extended far beyond our present ability to make use of the record. The summation of human experience is being expanded at a prodigious rate, and the means we use for threading through it is the constant maze to the momentarily important item is the same as was used the days of square-rigged ships.

But there are signs of a change as new and powerful instrumental come into use. Photocells capable of seeing things in a physical sense, advanced photography which can record what is seen or even what is inferred, thermionic tubes capable of controlling potent forces under the guidance



U. A. D. A. N. I. N. E. P. R. O. E. N. H. U. N. E. S. T.

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# **Library of Congress controlled vocabularies and their application to the Semantic Web**

By Corey A. Harper and Barbara B. Tillett

## **SUMMARY:**

*This article discusses how various controlled vocabularies, classification schemes and thesauri can serve as some of the building blocks of the Semantic Web. These vocabularies have been developed over the course of decades, and can be put to great use in the development of robust web services and Semantic Web technologies. The article covers how initial collaboration between the Semantic Web, Library and Metadata communities are creating partnerships to complete work in this area. It then discusses some cores principles of authority control before talking more specifically about subject and genre vocabularies and name authority. It is hoped that future systems for internationally shared authority data will link the world's authority data from trusted sources to benefit users worldwide. Finally, the article looks at how encoding and markup of vocabularies can help ensure compatibility with the current and future state of Semantic Web development and provides examples of how this work can help improve the findability and navigation of information on the World Wide Web.*

**KEYWORDS:** Controlled vocabularies, Semantic Web building blocks, authority control

# **World Wide Web**

**UF:** WWW (World Wide Web)

**BT:** Hypertext Systems

**NT:** Semantic Web



# SKOS Simple Knowledge Organization System Reference

W3C Recommendation 18 August 2009

**This version:**

<http://www.w3.org/TR/2009/REC-skos-reference-20090818/>

**Latest version:**

<http://www.w3.org/TR/skos-reference>

**Previous versions:**

<http://www.w3.org/TR/2009/PR-skos-reference-20090615/>

**Editors:**

[Alistair Miles](#), STFC Rutherford Appleton Laboratory / University of Oxford

[Sean Bechhofer](#), University of Manchester

Please refer to the [errata](#) for this document, which may include some normative corrections.

See also [translations](#).

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## Abstract



## Cool URIs for the Semantic Web

W3C Working Draft 17 December 2007

**This version:**

<http://www.w3.org/TR/2007/WD-cooluris-20071217/>

**Latest version:**

<http://www.w3.org/TR/cooluris>

**Editors:**

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**Contributors:**

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[Max Völkel \(FZI Karlsruhe\)](#)

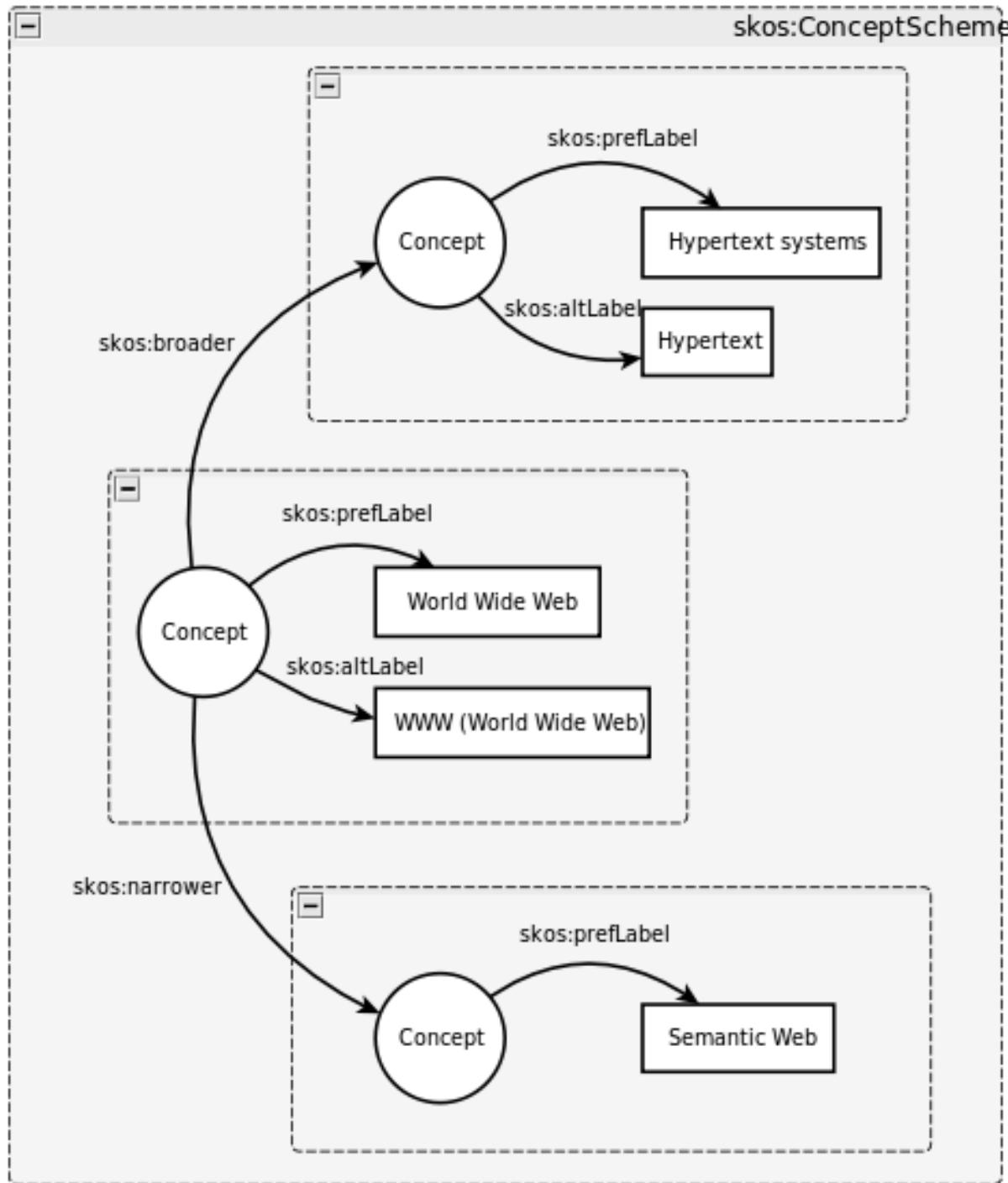
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## Abstract

The Resource Description Framework RDF allows the users to describe Web documents and resources from the real



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**[http://id.loc.  
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URI: <<http://id.loc.gov/authorities/sh95000541#concept>>

Type: Topical Term

Alternate Labels: W3 (World Wide Web); Web (World Wide Web); World Wide Web ([Information retrieval system](#)); WWW (World Wide Web)

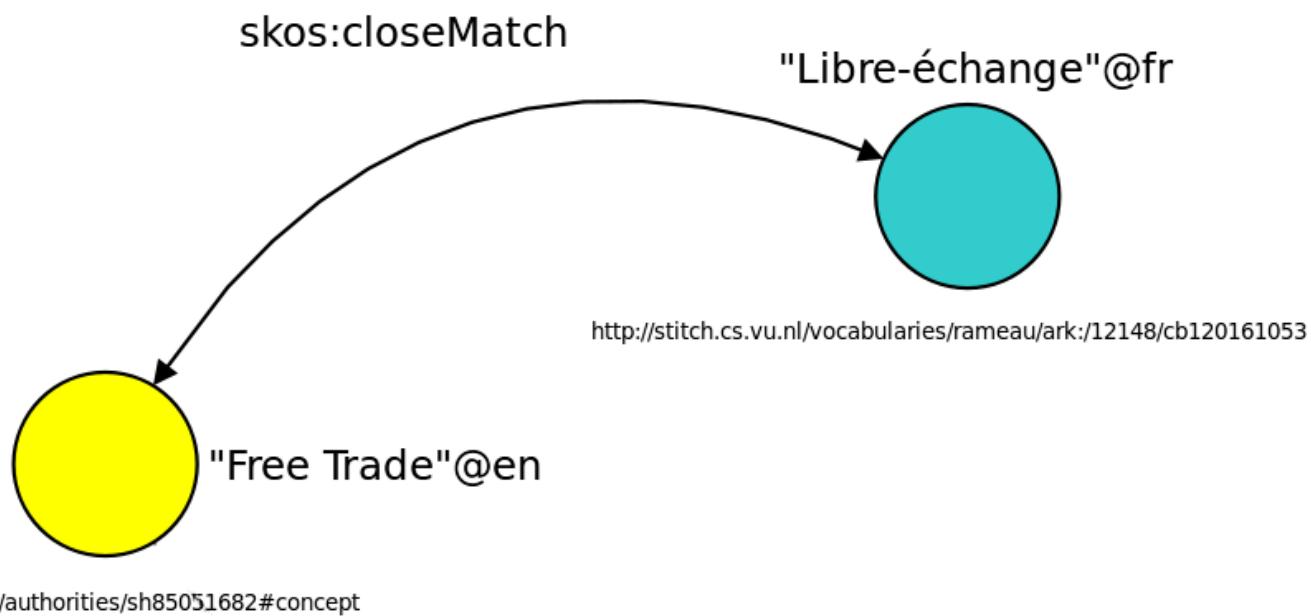
Broader Terms:

- Hypertext systems
- [Multimedia systems](#)

Narrower Terms:

- Invisible Web
- [Mashups \(World Wide Web\)](#)
- Semantic Web
- Web 2.0
- [WebDAV \(Standard\)](#)
- [WebTV \(Trademark\)](#)

Done



## Vocabulary and Alignment Repository

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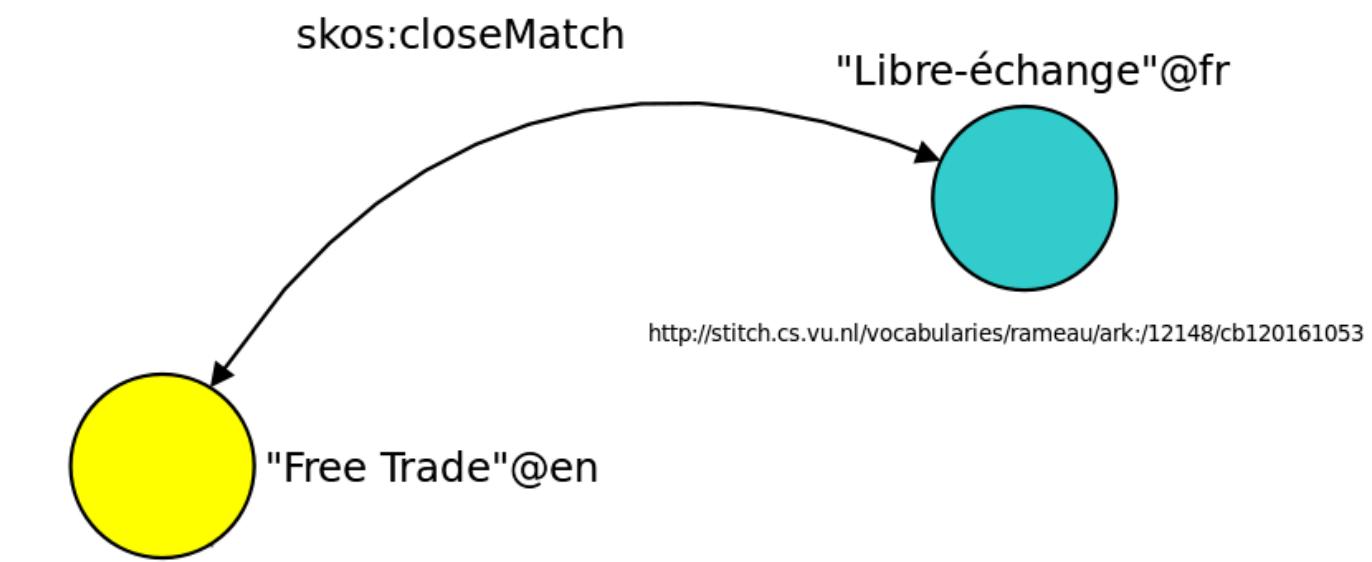
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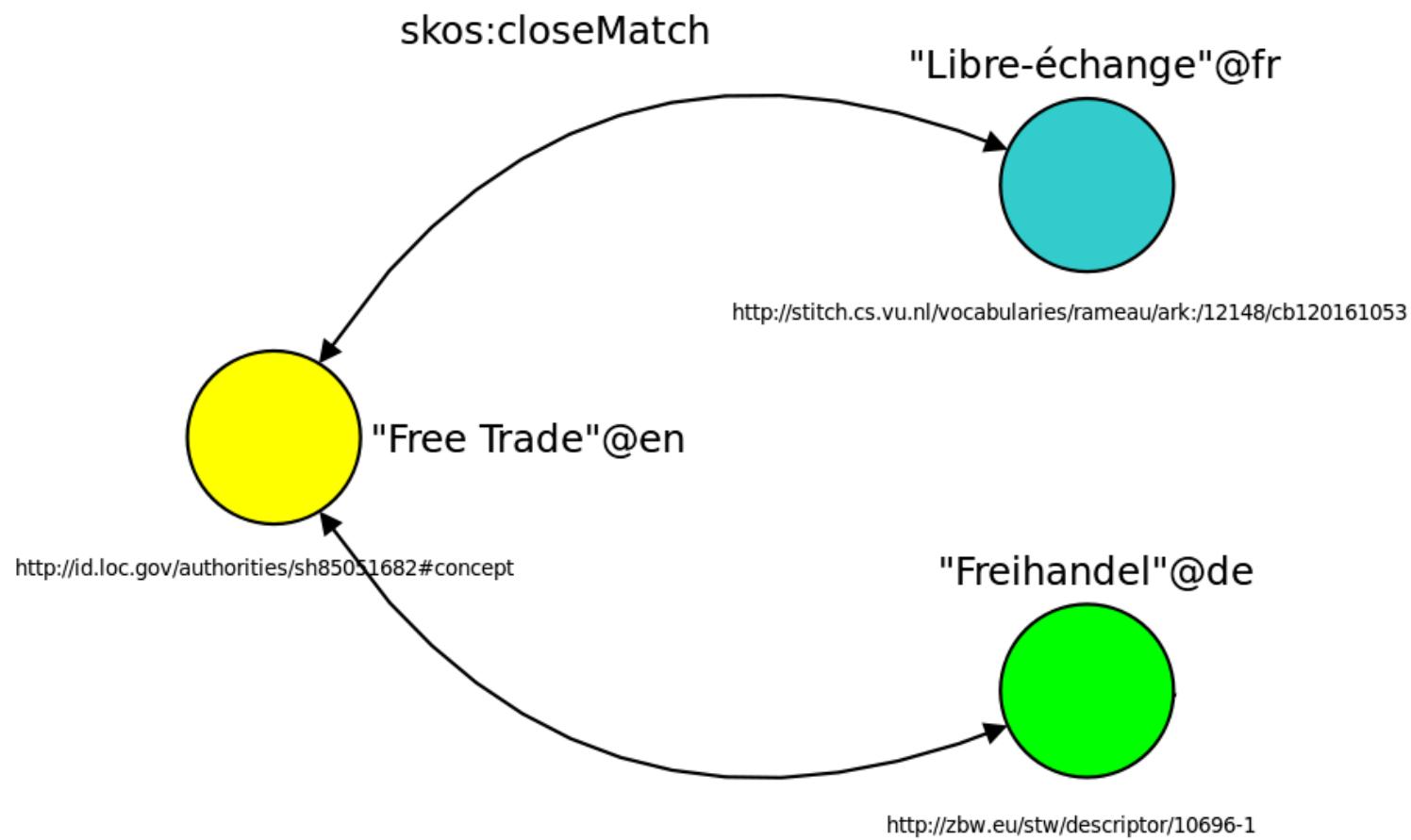
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### Concept information

|                   |  |  |
|-------------------|--|--|
| <b>URI</b>        | http://stitch.cs.vu.nl/vocabularies/rameau/ark:/12148/cb13319953 |  |
| <b>prefLabel</b>  | x-notation   | FRBNF133199532                           |
|                   | fr   | Web                                      |
| <b>altLabel</b>   | fr   | La Toile (Internet)                      |
|                   | fr   | W3                                       |
|                   | fr   | World Wide Web                           |
|                   | fr   | WWW                                      |
| <b>definition</b> | fr   | Outil de navigation hybride sur Internet |
| <b>note</b>       | fr   | Domaine : 621                            |
| <b>inScheme</b>   | <a href="#">Rameau</a>   |  |
|                   | <a href="#">Rameau - Noms Communs</a>                            |  |
| <b>broader</b>    | <a href="#">Multimédias interactifs</a>                          |  |
|                   | <a href="#">Internet</a>   |  |





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ZBW Deutsche Zentralbibliothek für Wirtschaftswissenschaften

English

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B Betriebswirtschaft  
G Geographische Begriffe  
N Nachbarwissenschaften  
P Produkte  
V Volkswirtschaft  
W Wirtschaftssektoren und spezielle Wirtschaftslehren

http://id.loc.gov

## Freihandel

**Free trade** (engl.)  
benutzt für: Freier Welthandel

Oberbegriffe

- Außenwirtschaftspolitik

Verwandte Begriffe

- Außenhandelsliberalisierung
- Globalisierung
- Wirtschaftsliberalismus

Thesaurus Systematik

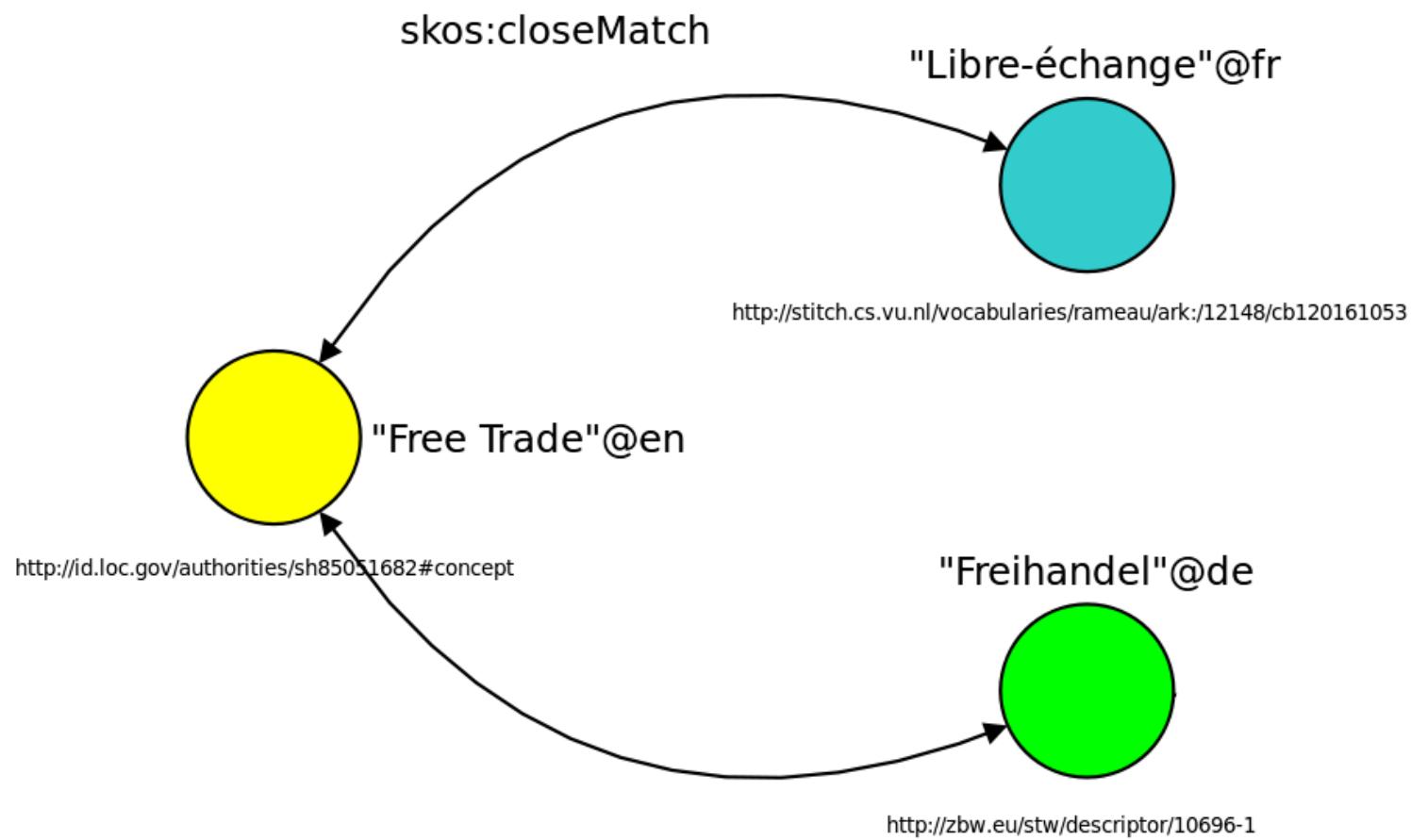
- V.07.02 Außenwirtschaftspolitik

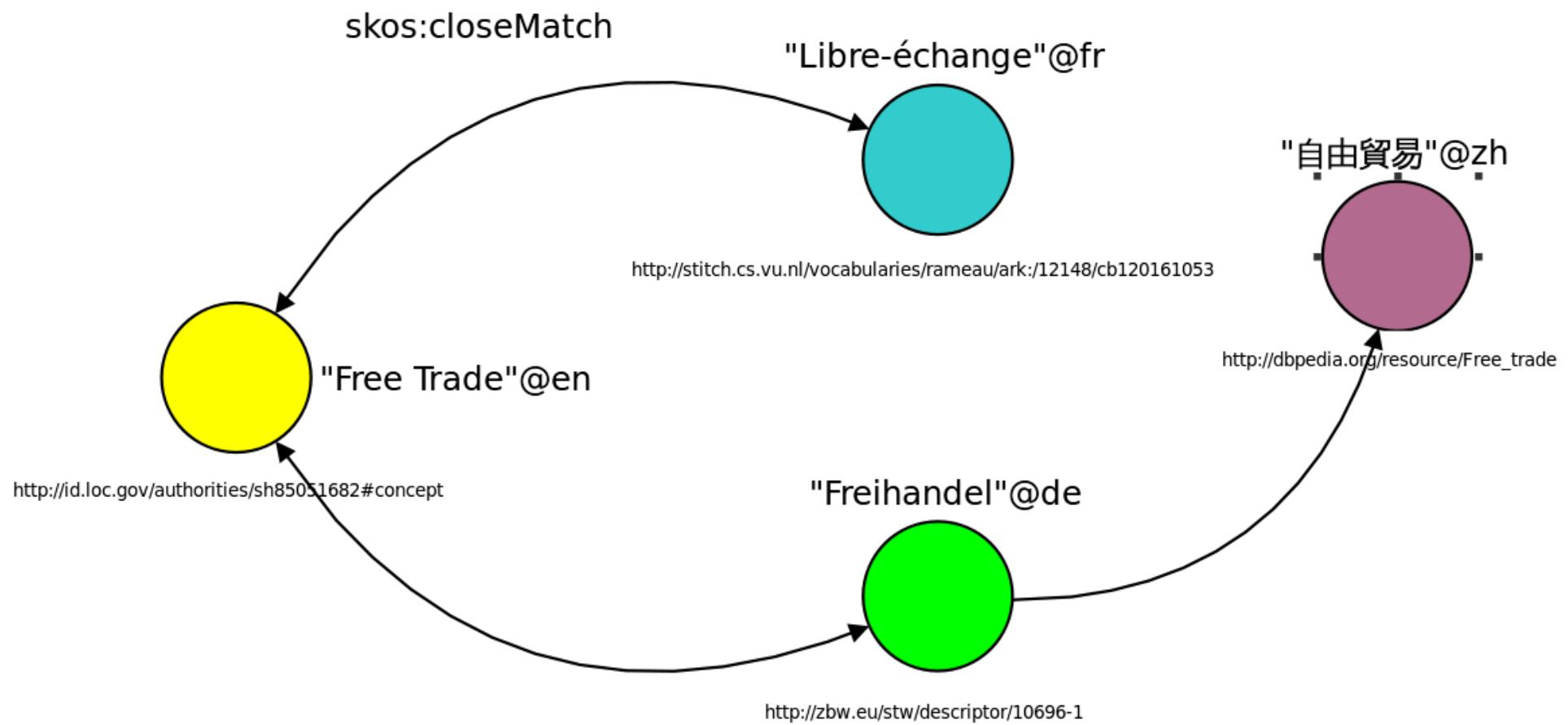
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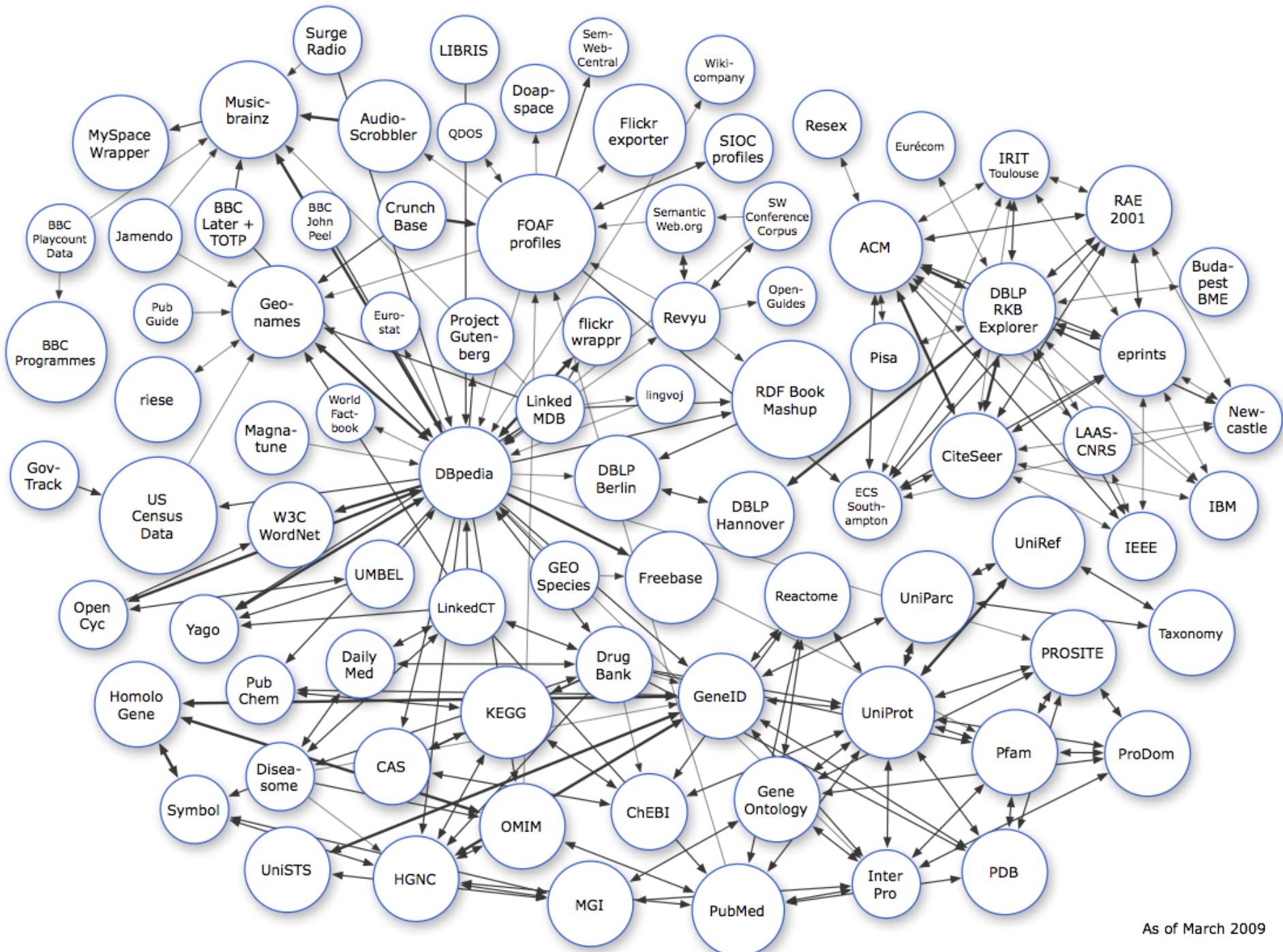
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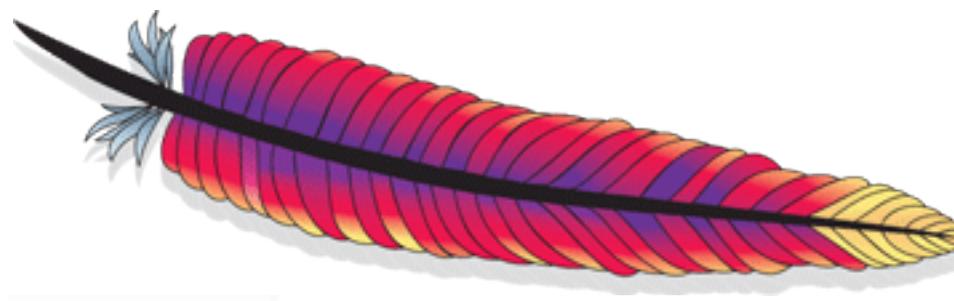
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**Title:**

New-York tribune. : (New York [N.Y.]) 1866-1924

[More About this Newspaper](#)

**Alternative Titles:**

Combined New York morning newspapers Sept. 19-26, 1923

Combined New York Sunday newspapers

New York daily tribune

New York tribune

New-York daily tribune 1866-Mar. 31, 1912

**Place of publication:**

New York [N.Y.]

**Geographic coverage:**

New York, New York, New York

[View more titles from this: City County, State](#)

**Publisher:**

New York Tribune

**Dates of publication:**

1866-1924

**Description:**

Vol. 26, no. 7,802 (Apr. 10, 1866)-v. 83, no. 28,247 (Mar. 18, 1924).

**Frequency:**

Daily Dec. 7, 1879-1924

**Language:**

English



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Issues for

1880

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February, 1880

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March, 1880

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April, 1880

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June, 1880

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| <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> |
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New-York tribune. (New York [N.Y.])  
1866-1924, December 26, 1909, Image 2

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## New-York tribune. (New York [N.Y.]) 1866-1924, December 26, 1909, Image 13

### December 26, 1909, Image 13

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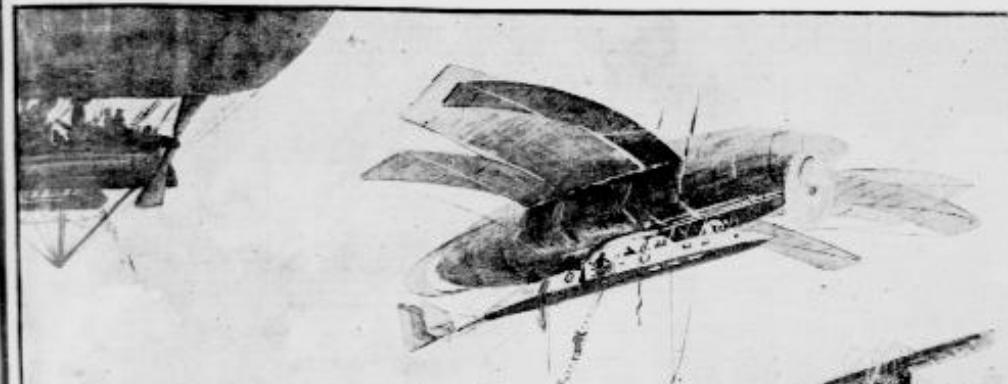
PART II.

SUNDAY, DECEMBER 26, 1909.

EIGHT PAGES.

### A SHIPWRECK OF THE FUTURE, WHEN PASSENGERS ARE CARRIED BETWEEN EUROPE AND AMERICA IN THE AIR.

Liver-Saturn, in mid-ocean, Dec. 26, 1910, 3:10 p. m. By wireless to The Tribune: A disastrous explosion (cause yet unascertained) in our motor room at 3:10 this morning made it necessary to despatch. Unfortunately, the waves were running high and our rudder was broken. Wind increased rapidly and our stern was battered till we threatened to sink. Other ships have come to our rescue, and have some submarines and the freight steamer Lusitania, formerly used for passengers. All hands will be saved beyond a doubt, except those in the motor room, which is now submerged.



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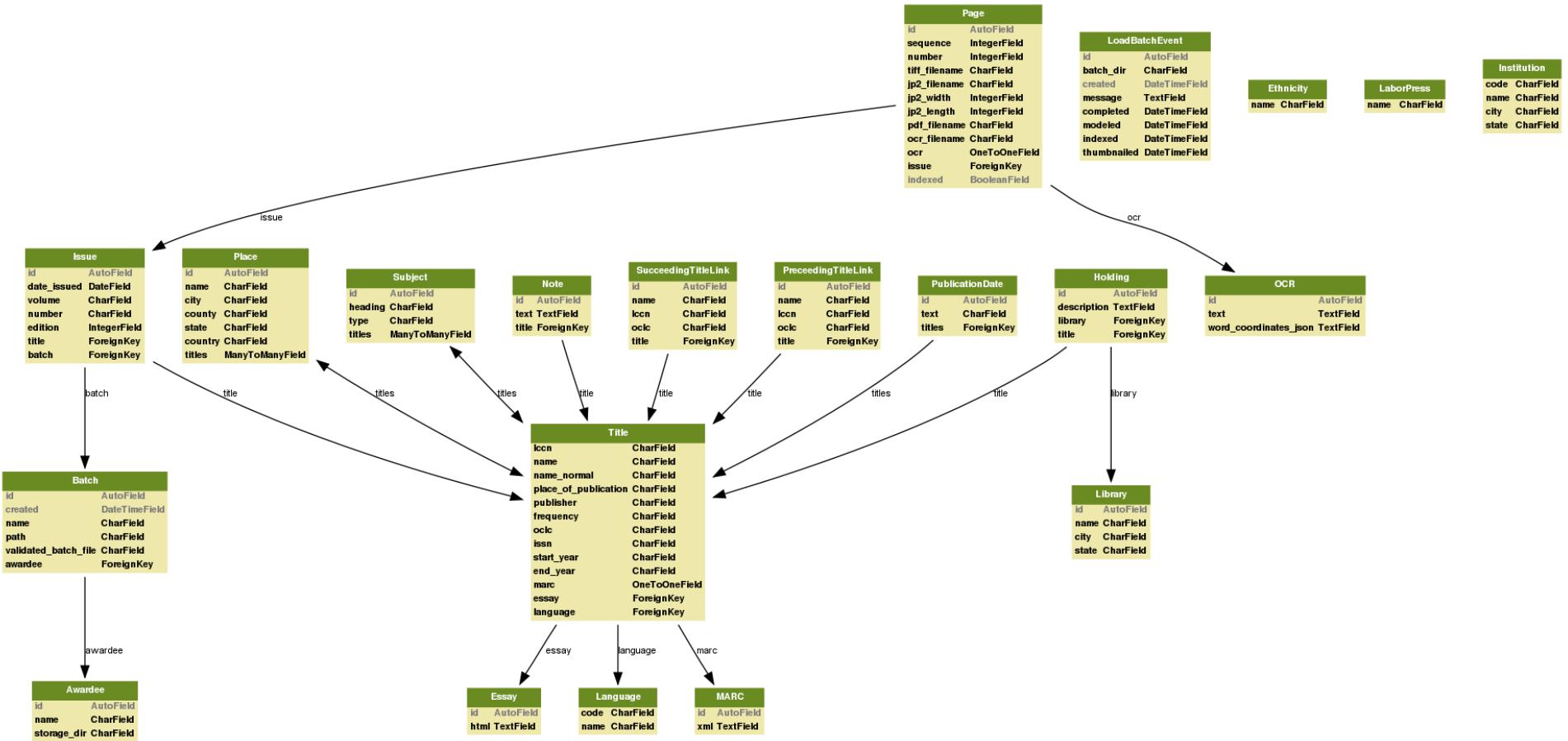
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### Summary Information

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| Awardee:              | <a href="#">The New York Public Library, Astor, Lenox and Tilden Foundation</a> |
| Ingested:             | 2009-04-27 04:50:44   |
| Number of Issues:     | 482   |
| Number of Pages:      | 5984  |
| Bag Location:         | <a href="#">nn/batch_nn_ockham_ver01/</a>                                       |
| Validated Batch File: | <a href="#">nn/batch_nn_ockham_ver01/data/batch_1.xml</a>                       |
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|---|----------------------------|-----------------|
| <a href="#">The evening world. (New York, N.Y.) 1887-1931</a> | <a href="#">1902-05-01</a> | 12              |
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# Open Archives Initiative Object Reuse and Exchange



## ORE User Guide - Primer

17 October 2008

**This version:**

<http://www.openarchives.org/ore/1.0/primer>

**Latest version:**

<http://www.openarchives.org/ore/primer>

**Previous version:**

<http://www.openarchives.org/ore/0.9/primer>

**Editors (OAI Executive)**

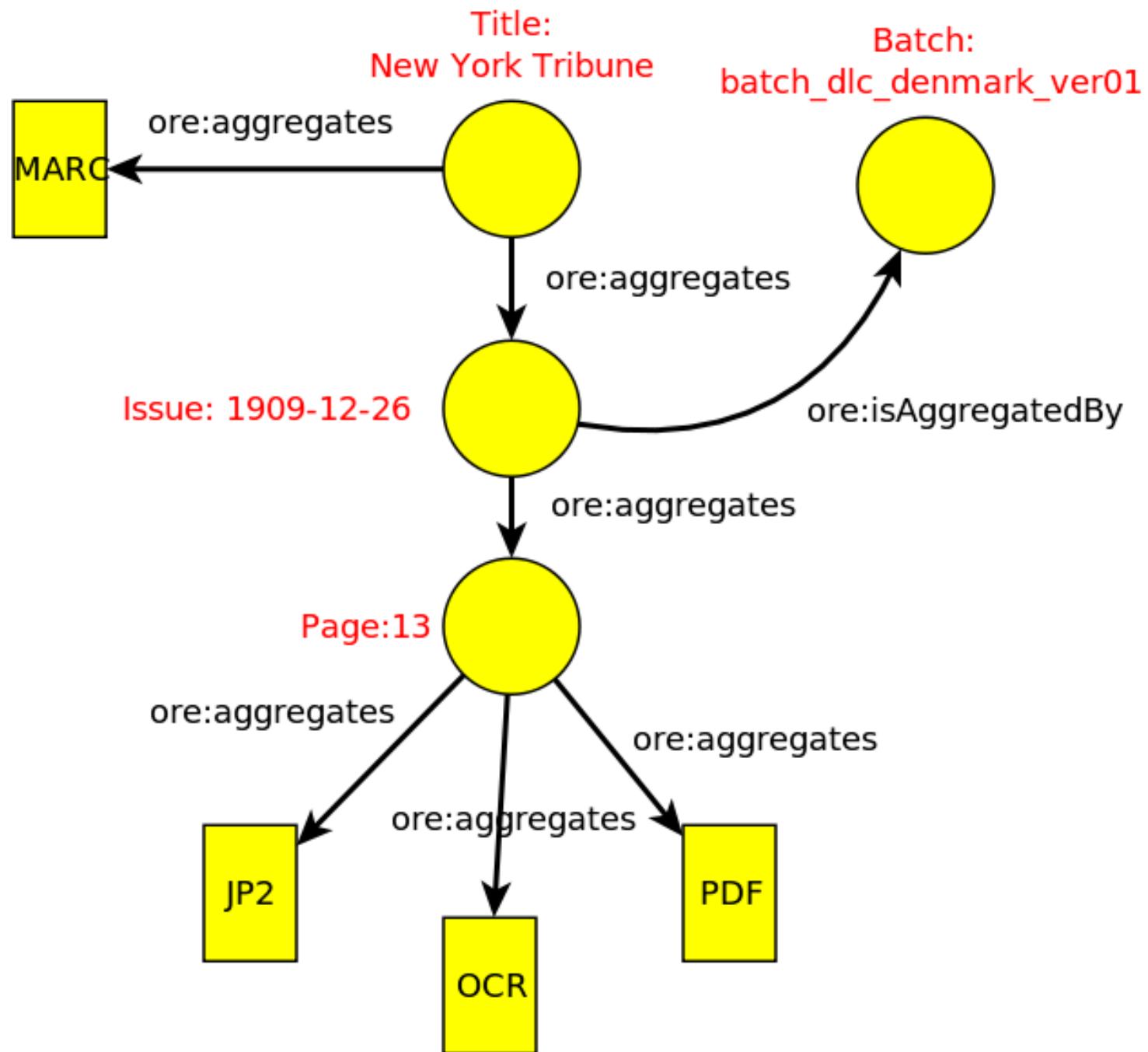
Carl Lagoze, Cornell University Information Science  
Herbert Van de Sompel, Los Alamos National Laboratory

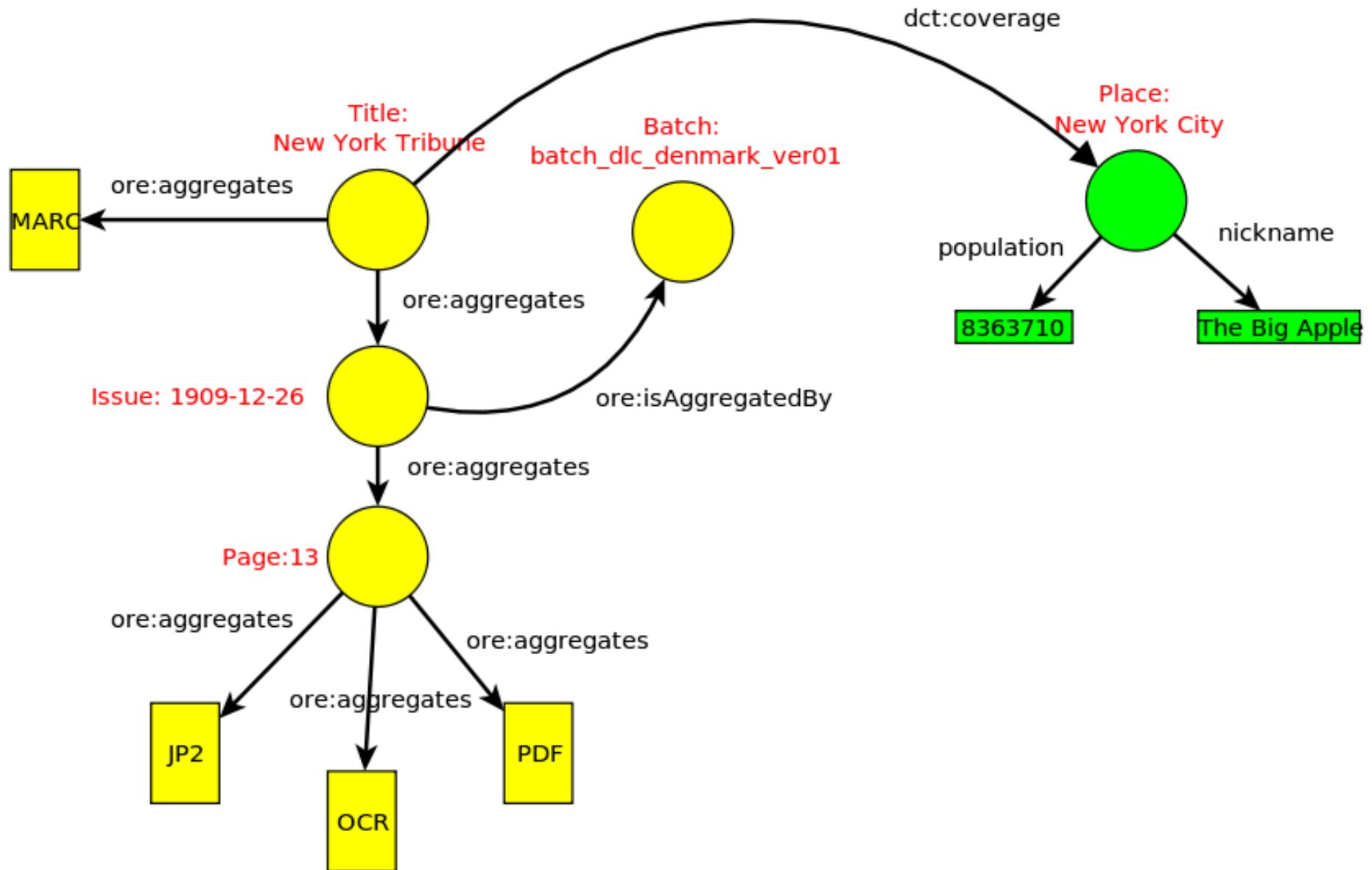
**Editors (ORE Technical Committee)**

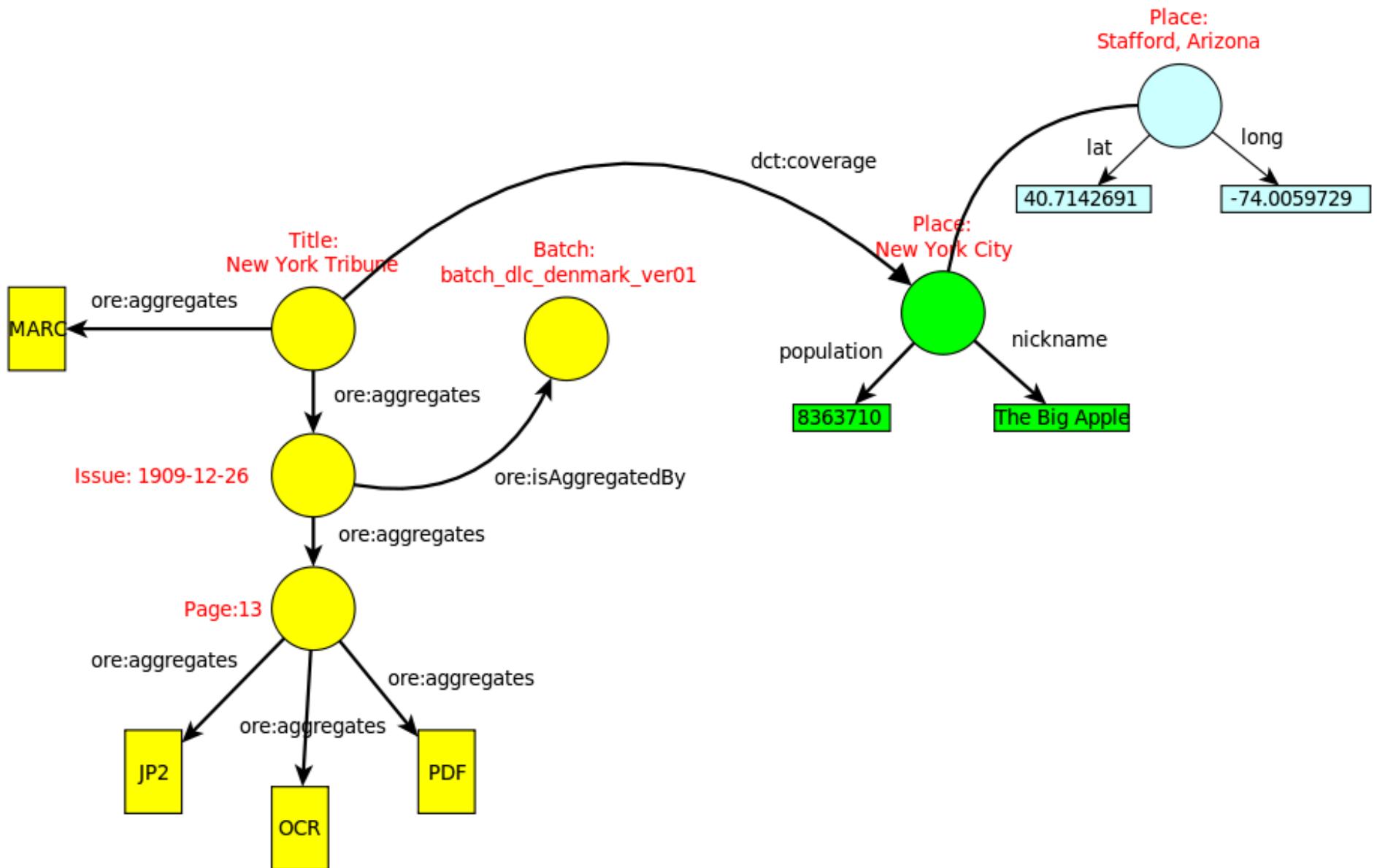
Pete Johnston, Eduserv Foundation  
Michael Nelson, Old Dominion University  
Robert Sanderson, University of Liverpool  
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## Abstract

Open Archives Initiative Object Reuse and Exchange (OAI-ORE) defines standards for the description and exchange of aggregations of Web resources. This document summarizes the motivation for OAI-ORE, the technical foundations on which the OAI-ORE solution to handle aggregations of Web resources builds, as well as the core aspects of that solution. This document is intended for a general audience that wants to obtain a high-level understanding of the









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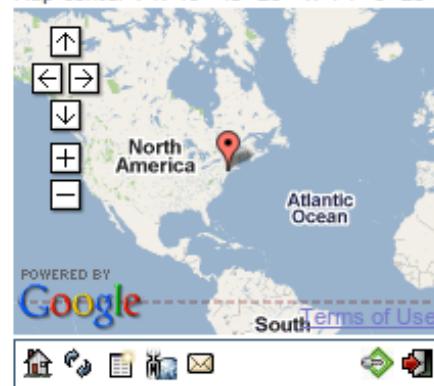
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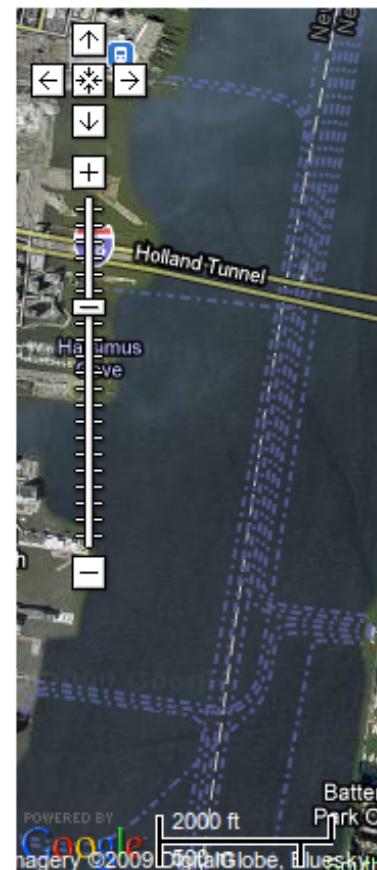
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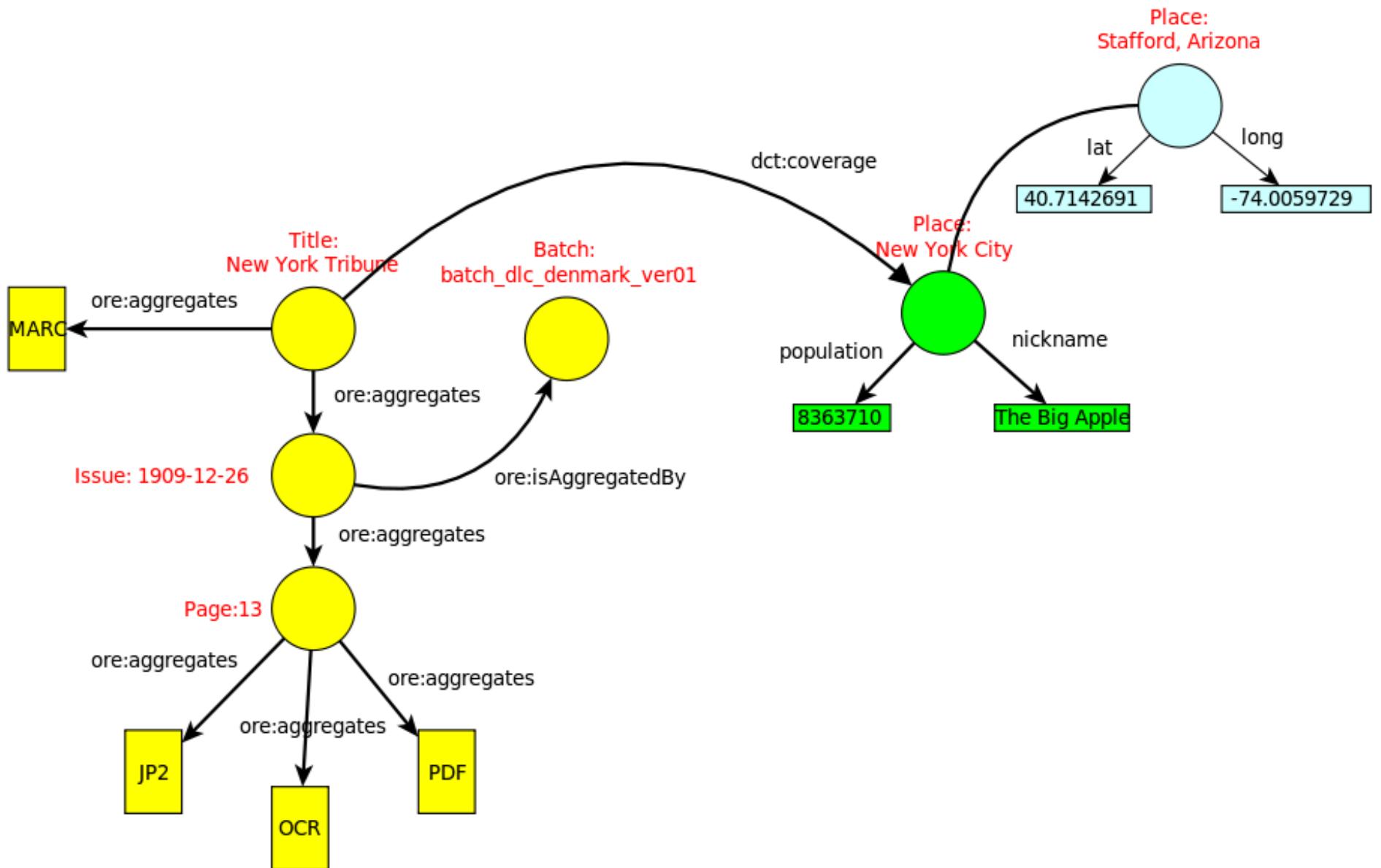
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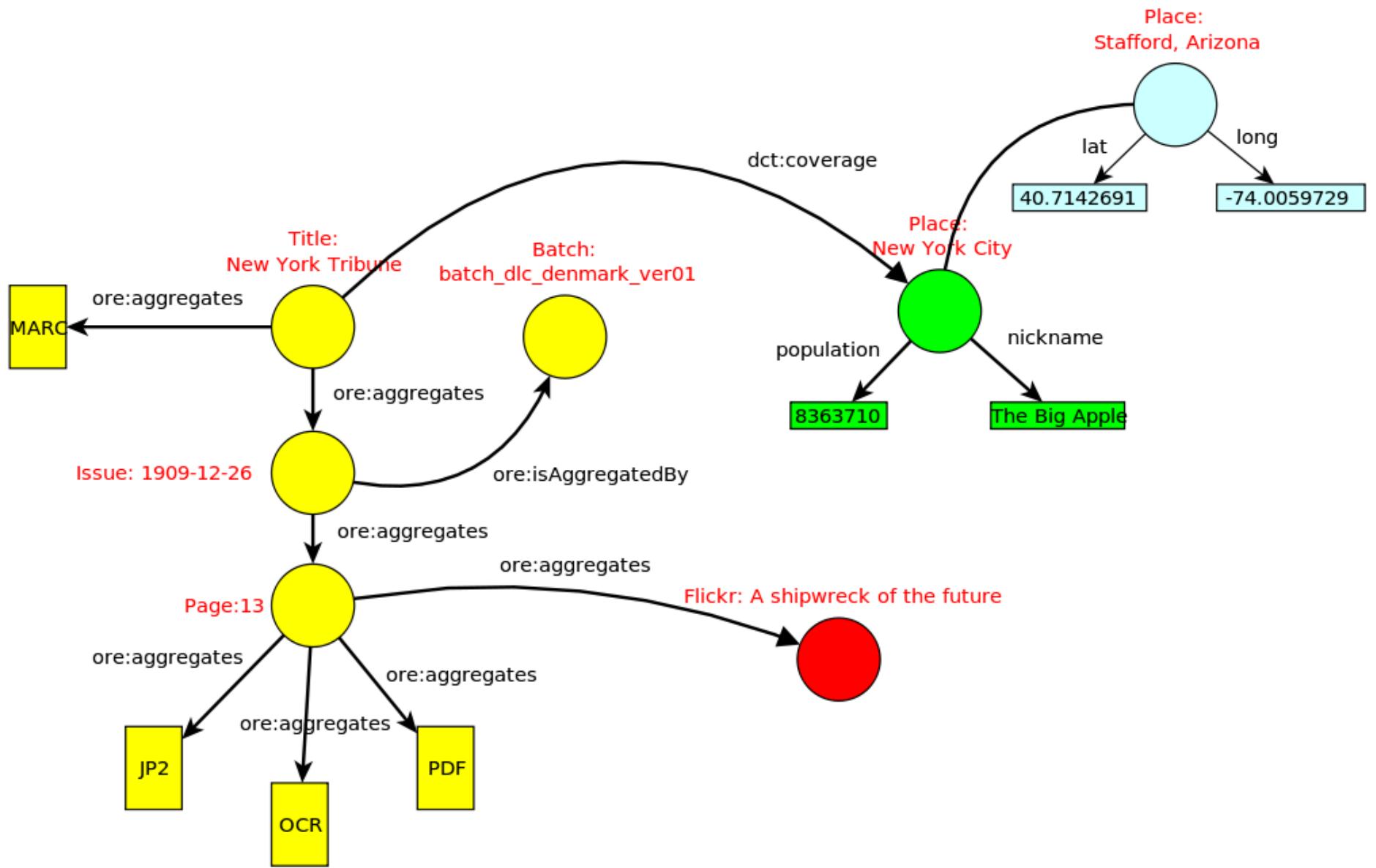
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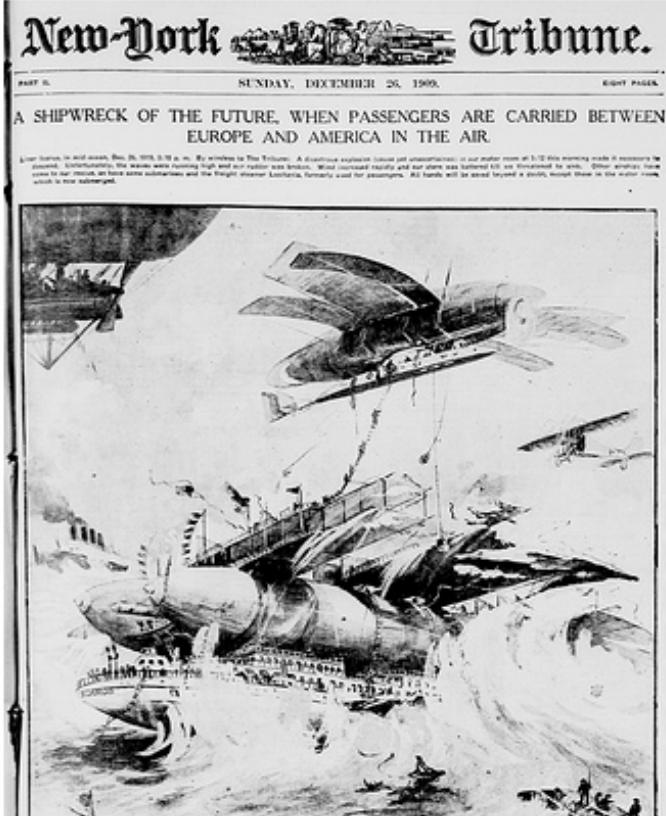


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## Challenges in semantic web technologies: A root cause analysis

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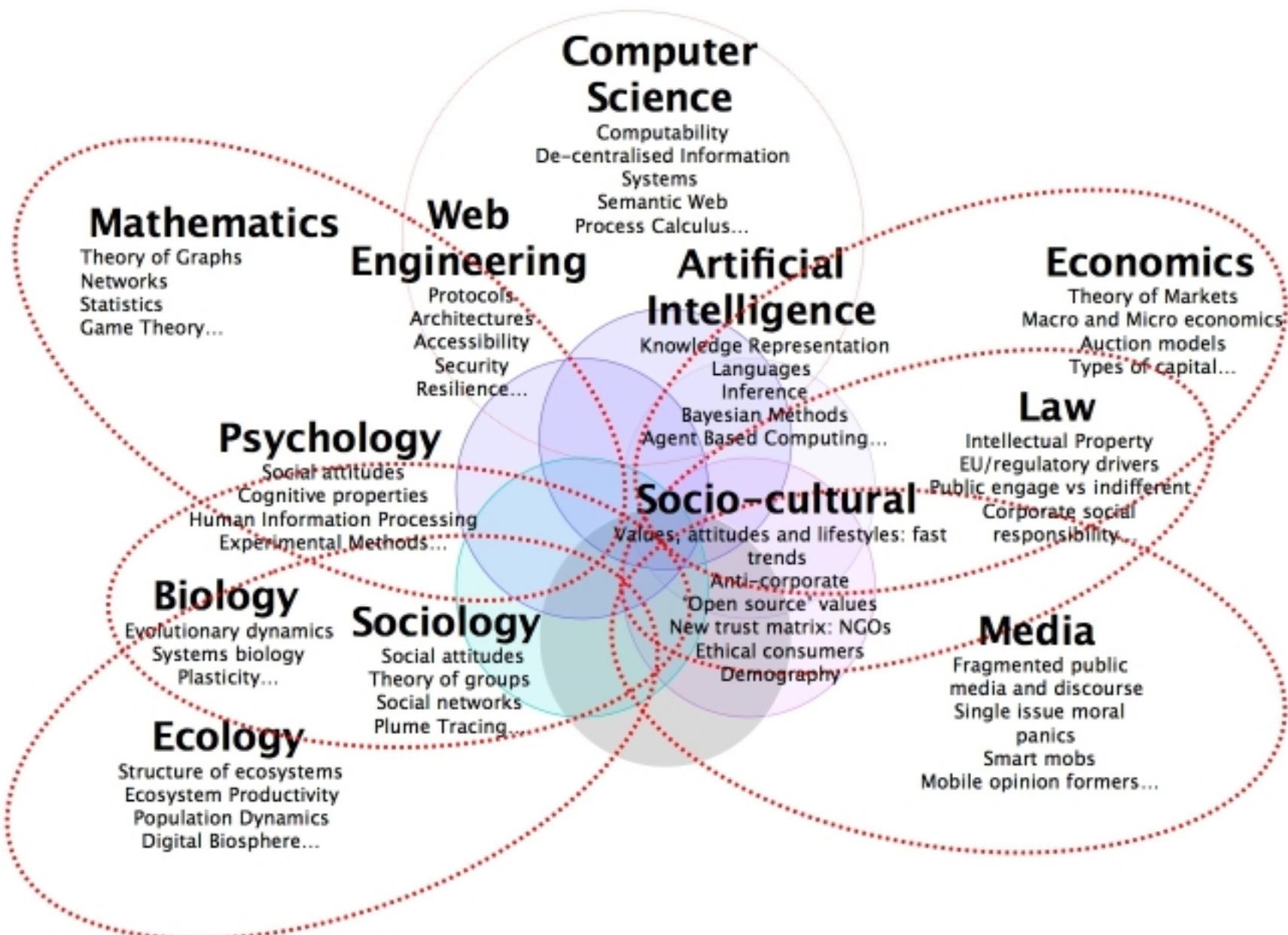
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| <b>Publication Status</b> | published  |
| <b>Research Field</b>     | Technology and Engineering   |
| <b>Classification</b>     | C1   |
| <b>Publishing Year</b>    | 2006   |
| <b>Publication/Series</b> | PICMET2006, the International Conference on Management of Engineering and Technology                               |
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