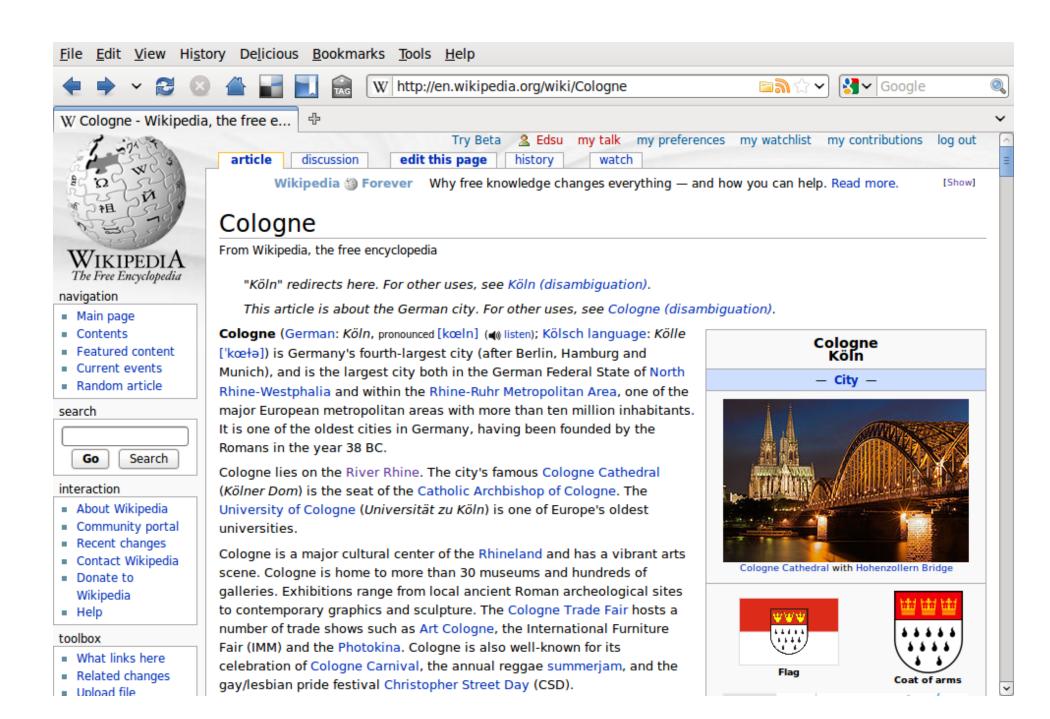
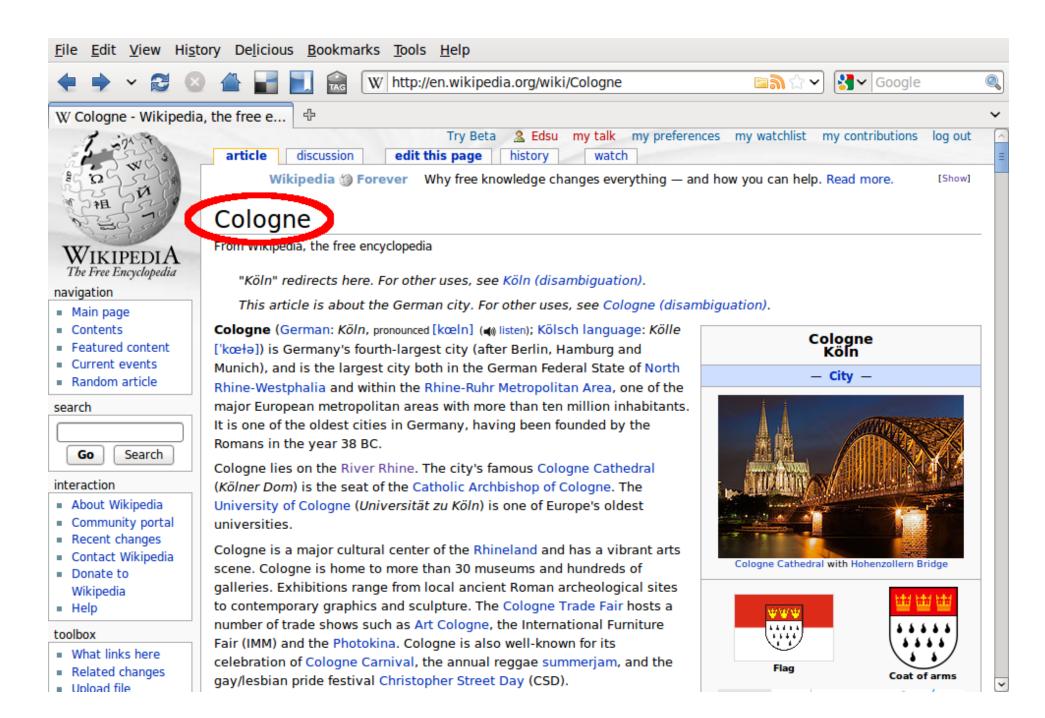
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Ed Summers edsu@loc.gov

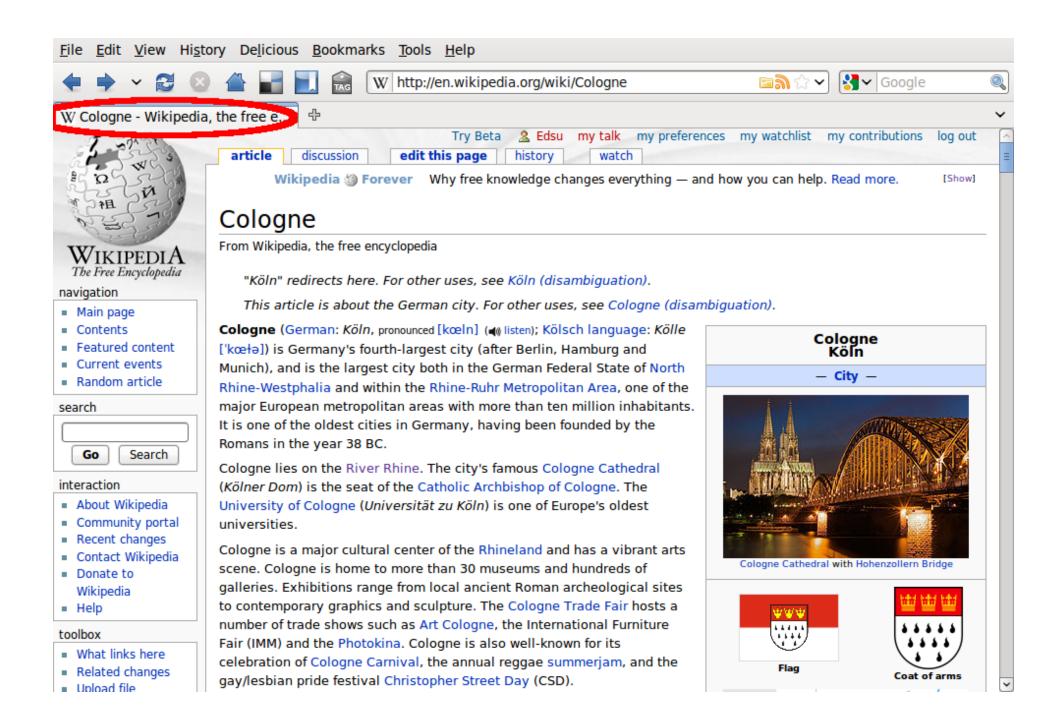
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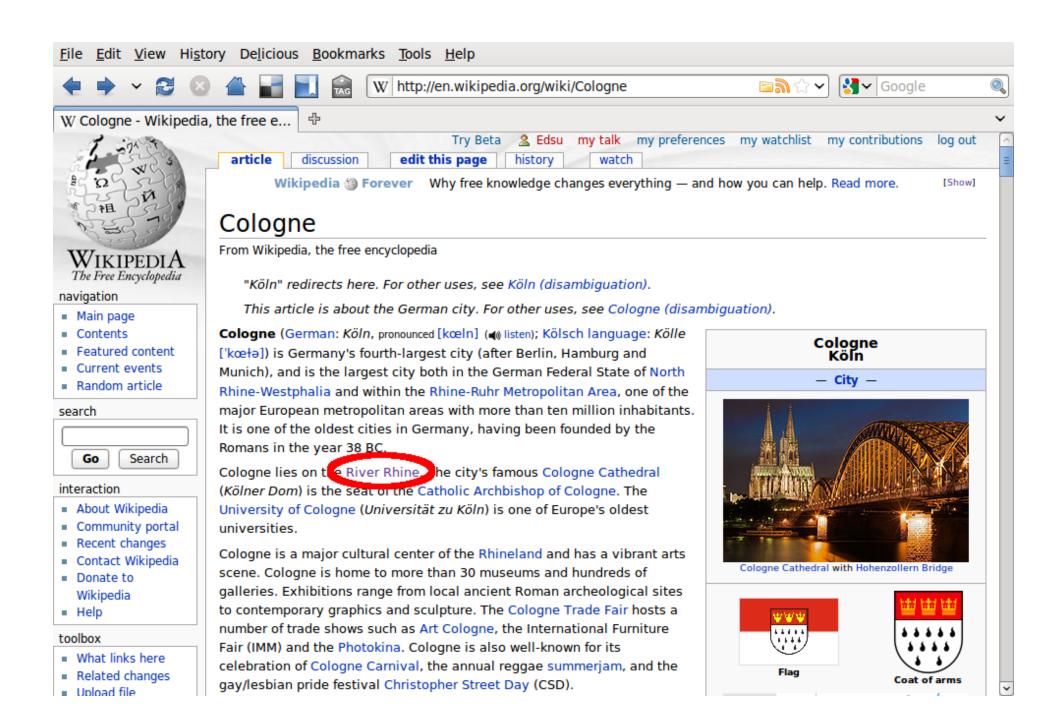




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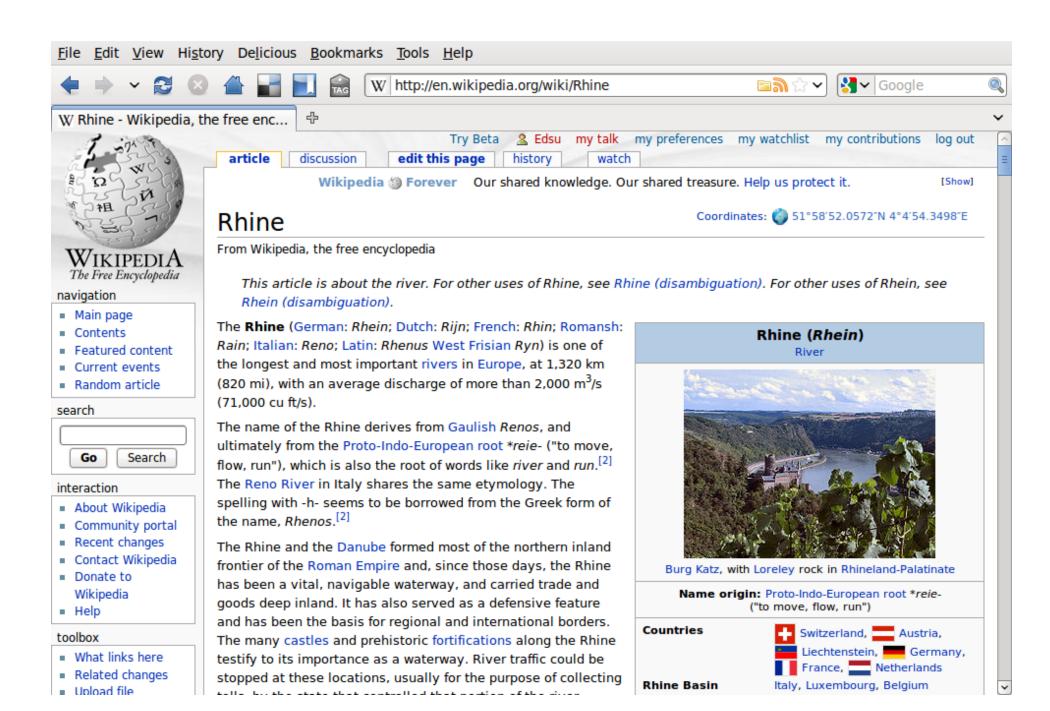


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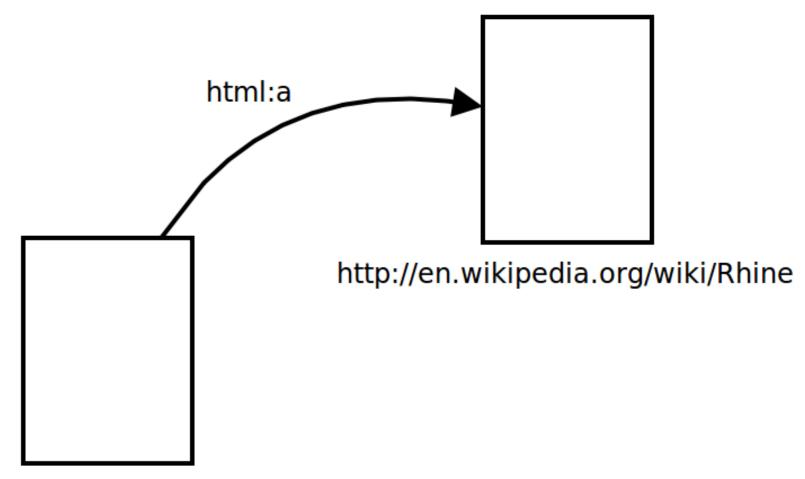
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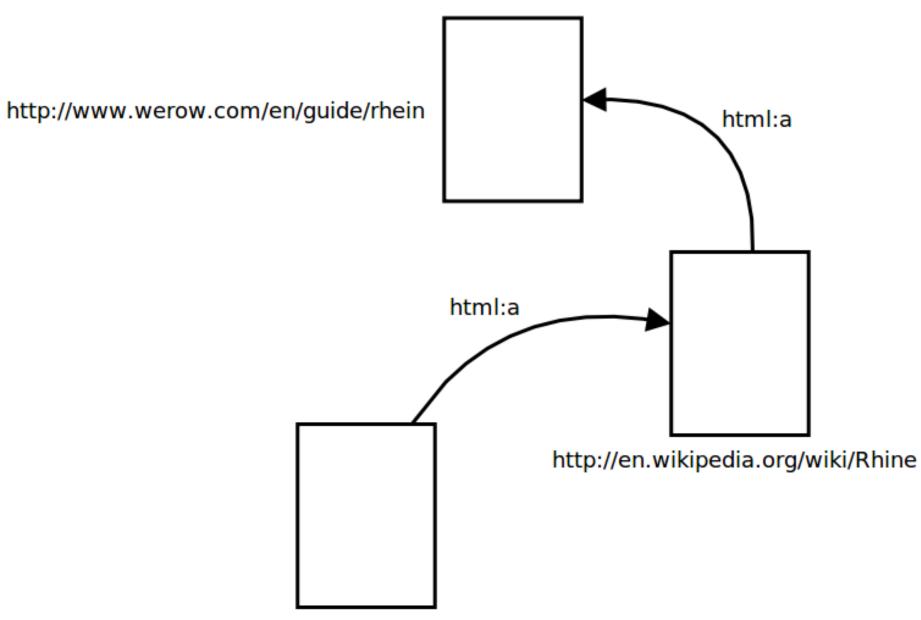
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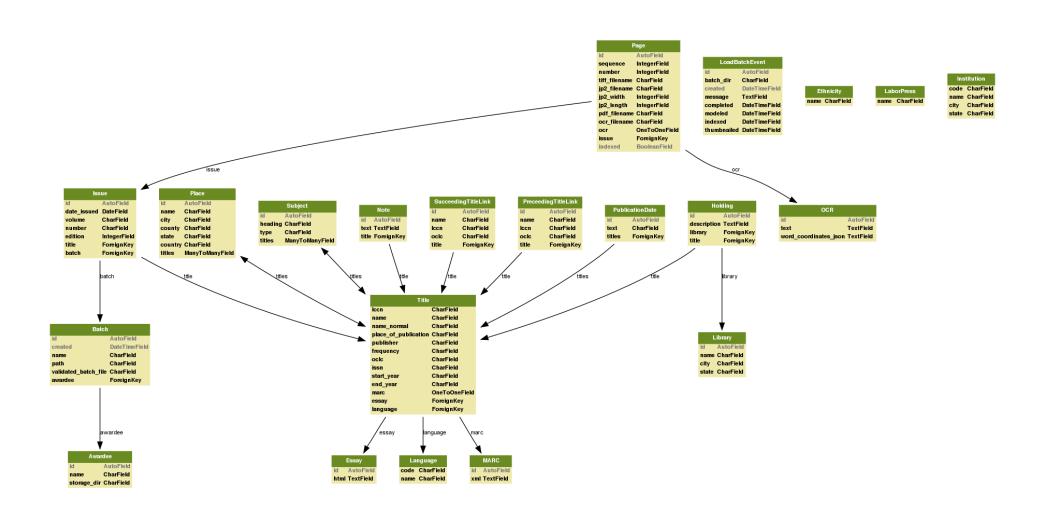
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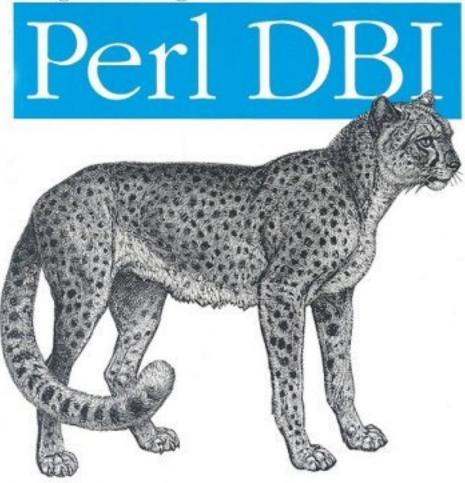


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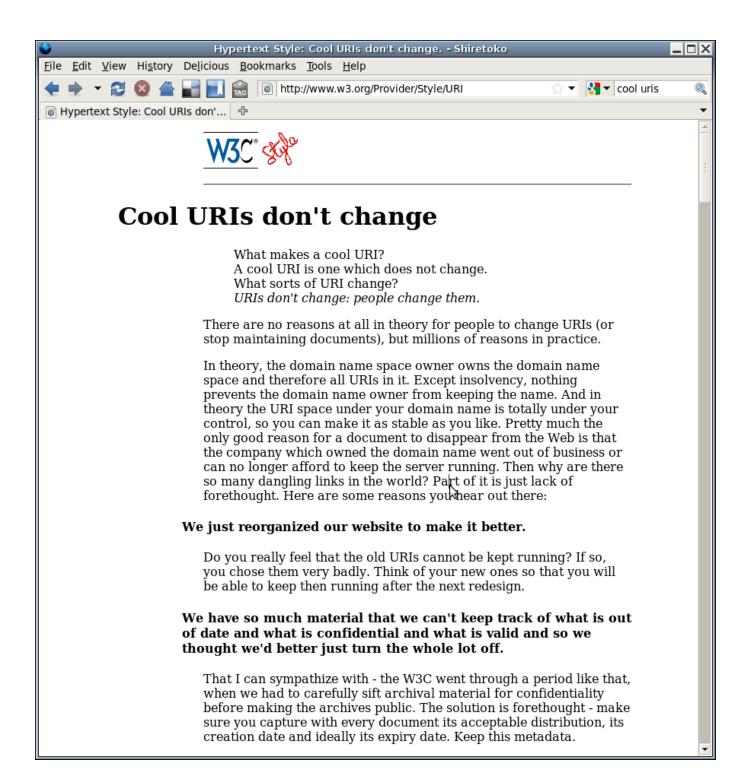


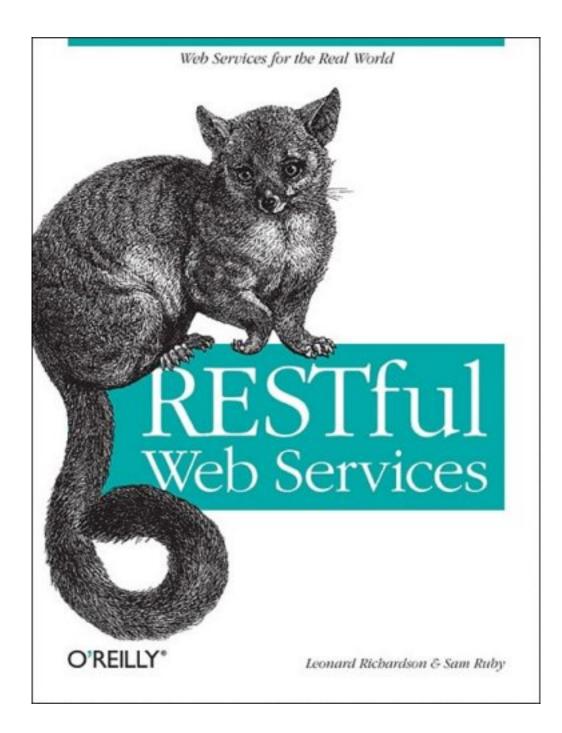
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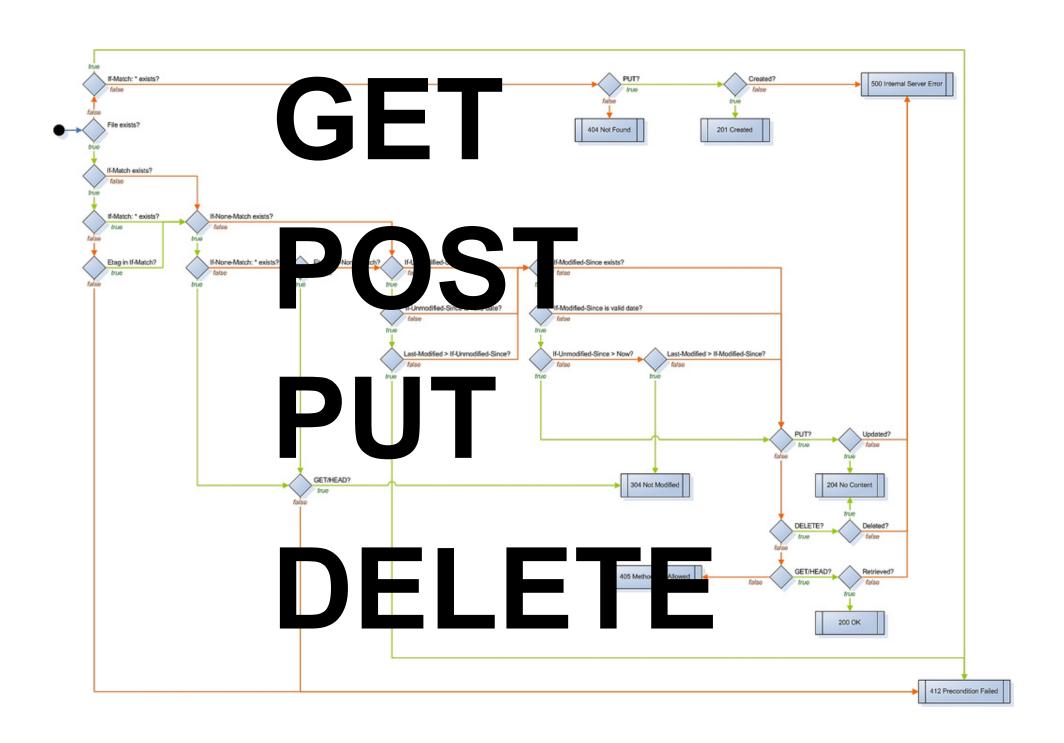
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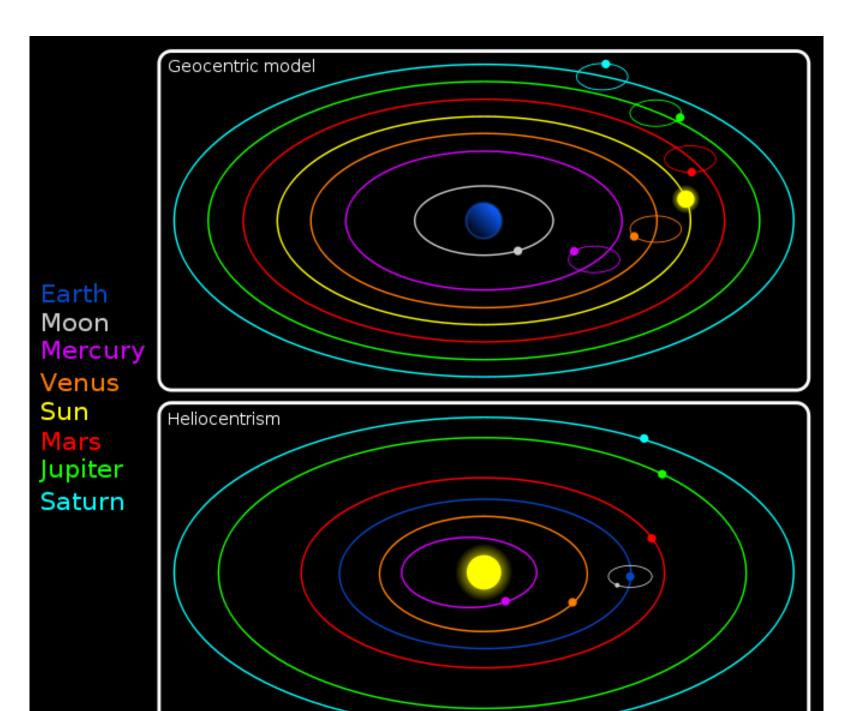
# Library of Congress controlled vocabularies and their application to the Semantic Web

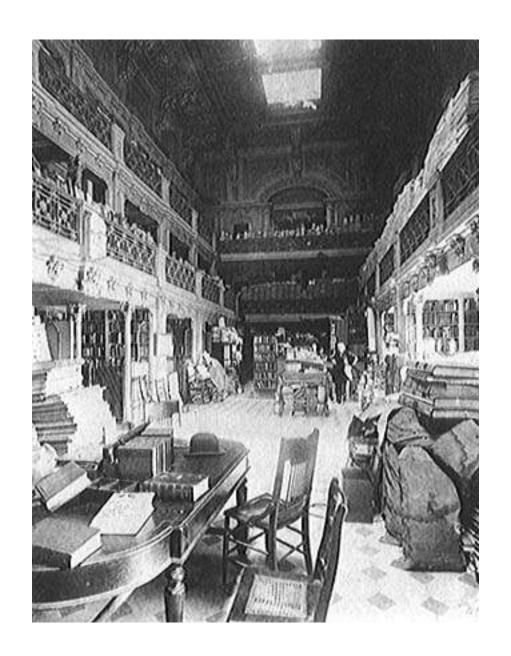
By Corey A. Harper and Barbara B. Tillett

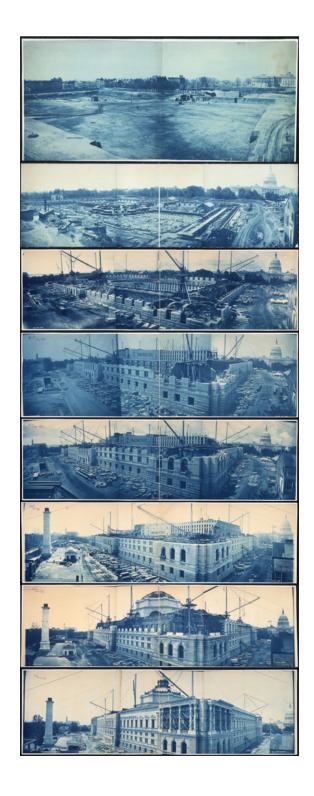
### **SUMMARY:**

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











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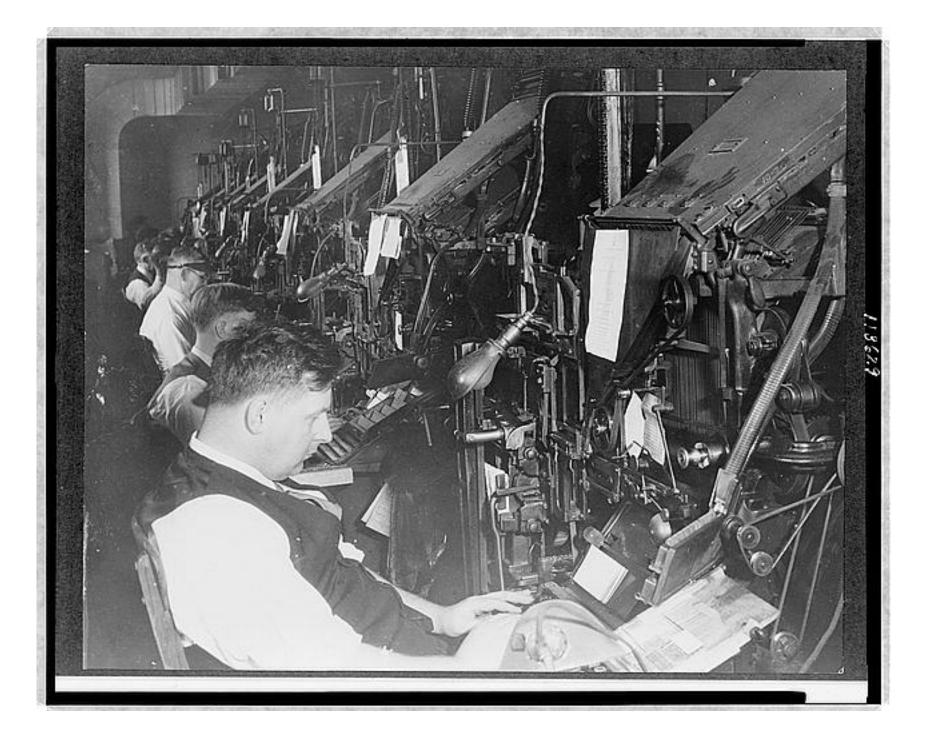
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XI + 112 p. 8° Menasha (Wis), Collegiate pr. 1915.

Liniu. of Chicago Ph. D. thesis.





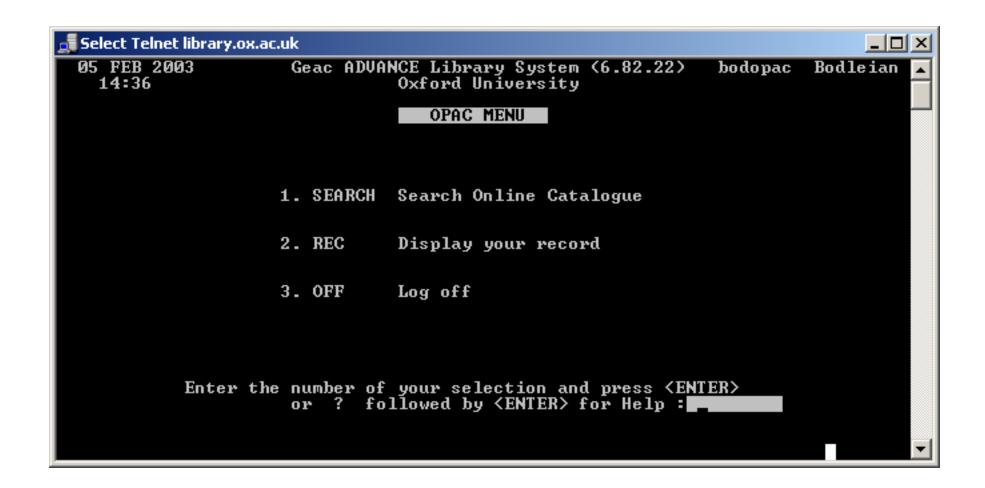






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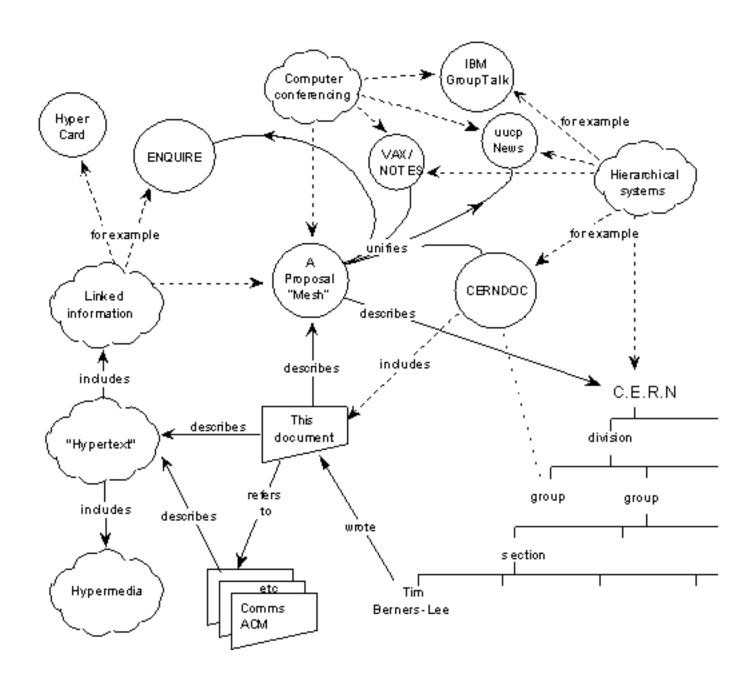
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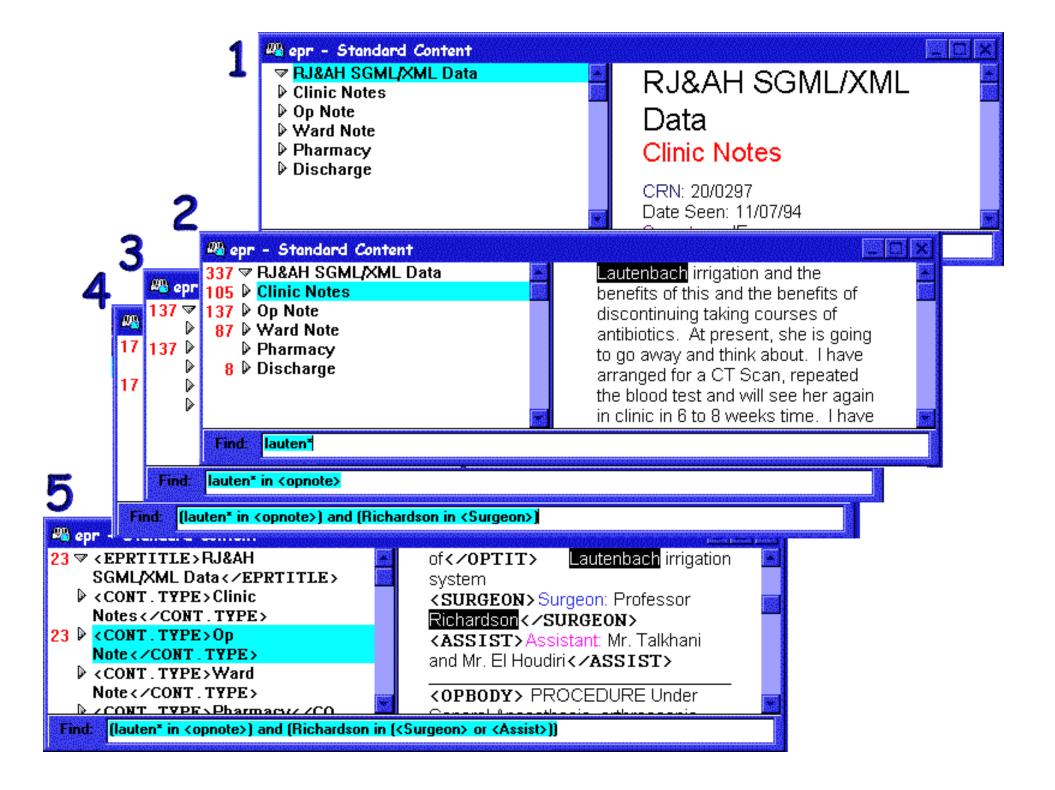
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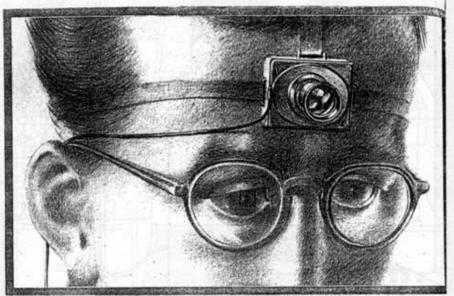
Chairman:

DR. D. C. ENGELBART Stanford Research Institute Menlo Park, California

# a research center for augmenting human intellect

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.



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## AS WE MAY THINK

## A TOP U.S. SCIENTIST FORESEES A POSSIBLE FUTURE WORLI

by VANNEVAR BUSH

DIRECTOR OF THE OFFICE OF SCHIFFIC RESEARCH AND DEVELOPMENT Condensed from the Affantic 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 exhibitarating to work in effective partnership. What are the scientists to do excel-

For the biologism, 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 laborstories. 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 now methods for their unanticipated assignments. They have door their part on the devices that made it possible to rum back the enemy. They have worked in combined effort with the physicists of our allies. They have first within themselves the stir of achievement. They have been part of a great team. Now one siks where they will find objectives worthy of their back.

There is a growing mountain of research. But there is increased evidence that we are being bogged down roday as specialization extends. The investigance 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 menessary for property of the property of t

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

Professionally our methods of transmitting and reviewing the result measure are generations old and by now are totally inadequate for their pose. If the aggregate time spent in writing scholarly works and in read-them could be evaluated, the ratio between these amounts of time midwill be startling. Those who conscientiously attempt to knep always of test thought, even in restricted fields, by close and continuous reading midwell shy away from an examination calculated to show how much of the prious month's efforts could be produced on call.

Mendel's concept of the laws of genetics was lost to the world for a geration-because his publication did not reach the few who were caps grasping and extending it. This sort of catastrophe is undoubsedly be repeated all about us as rely significant attainments become lost in the so of the inconsequential.

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

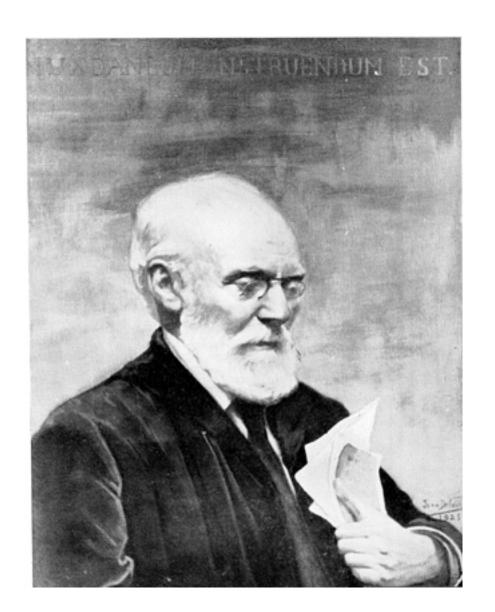
But there are signs of a change as new and powerful instrumentall come issue. Photocells capable of seeing things in a physical sense, vanced photography which can record what is seen or even what is t thermionic tubes capable of controlling potent forces under the guidance

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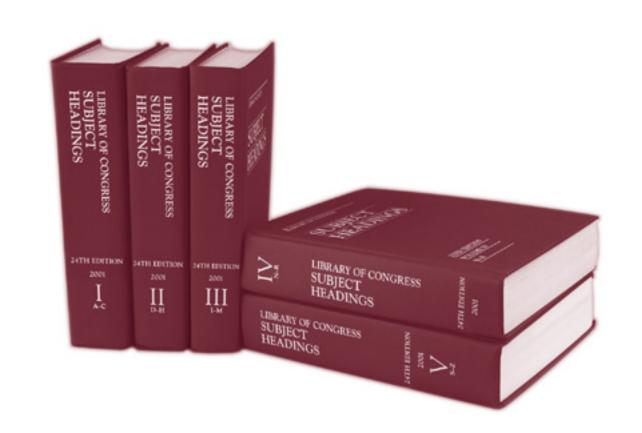
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By Corey A. Harper and Barbara B. Tillett

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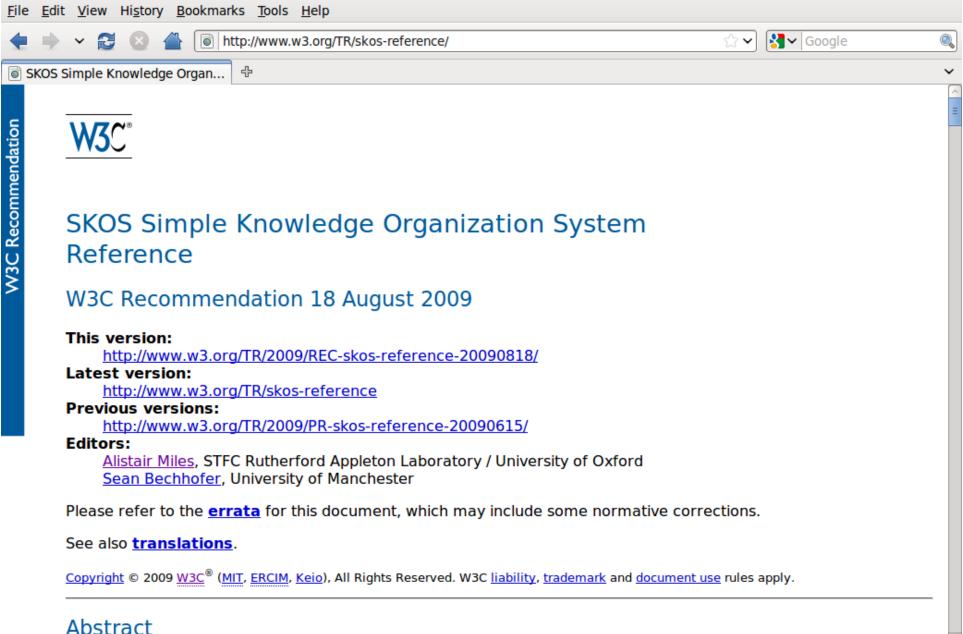
# World Wide Web

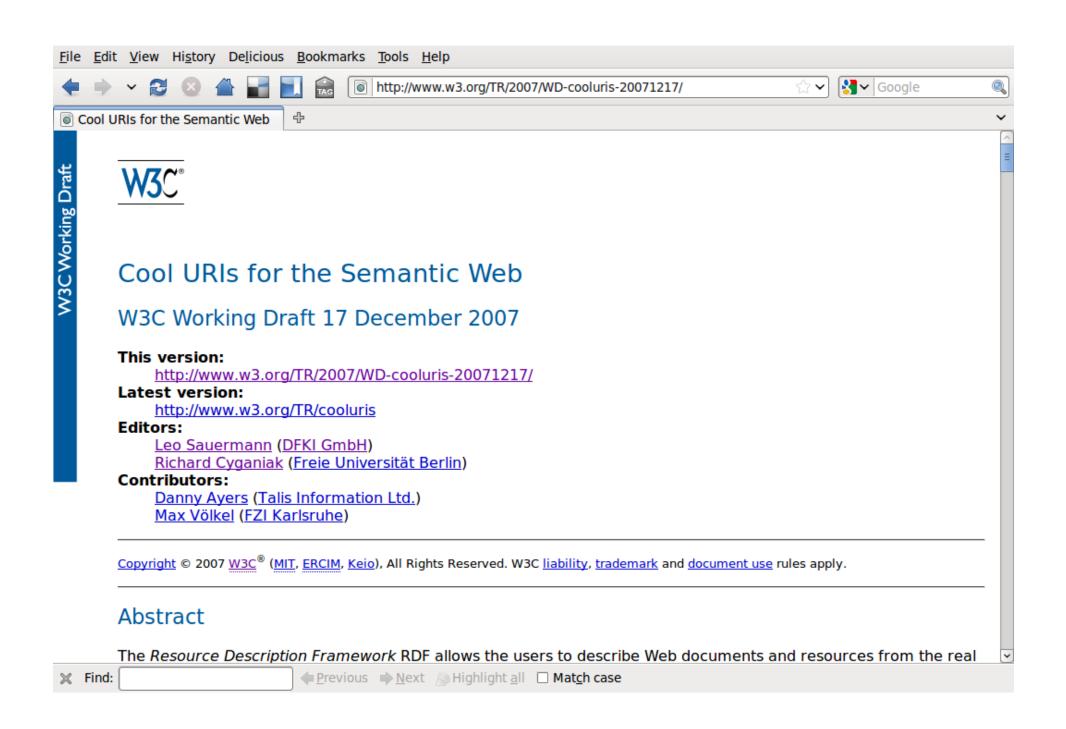
**UF**: WWW (World Wide Web)

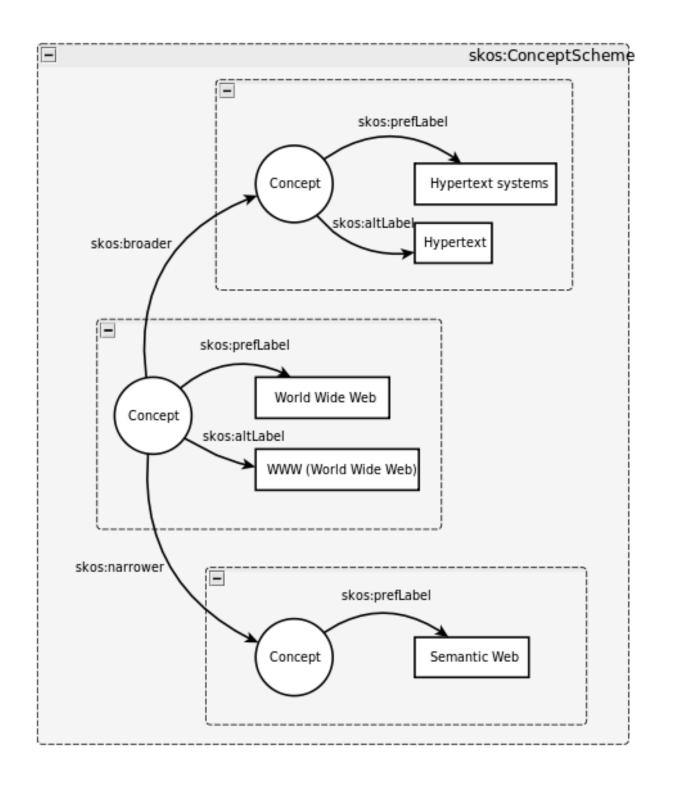
**BT**: Hypertext Systems

NT: Semantic Web



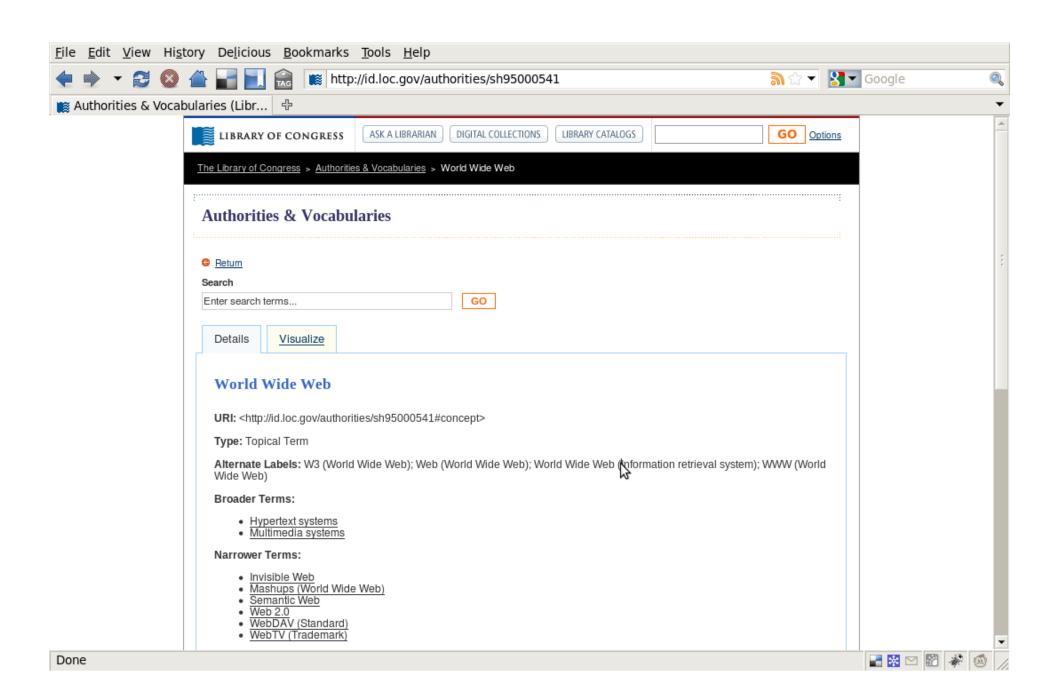


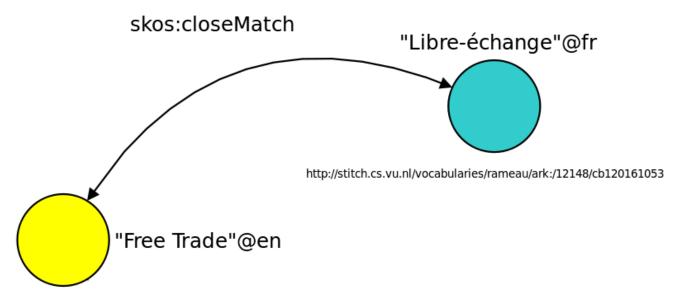




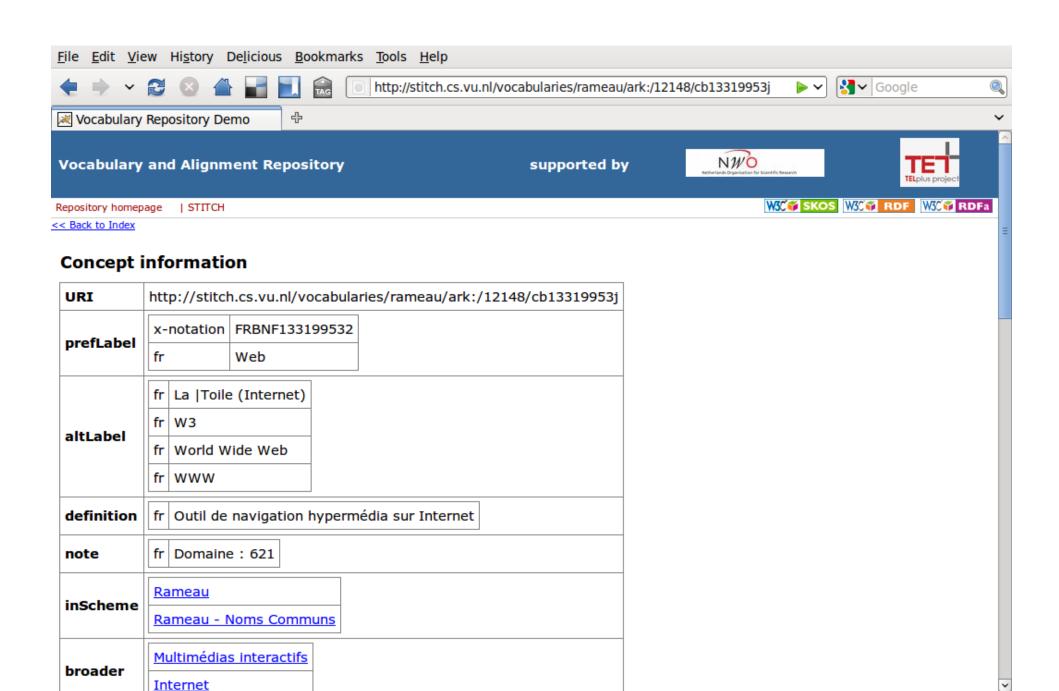


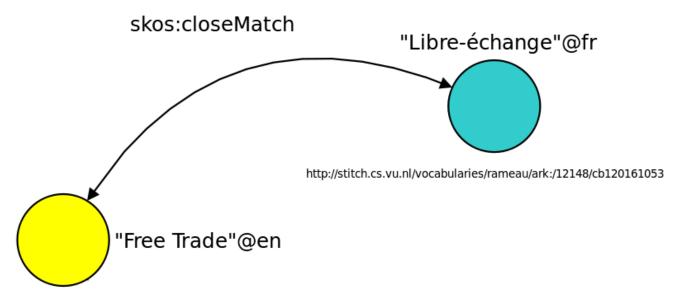




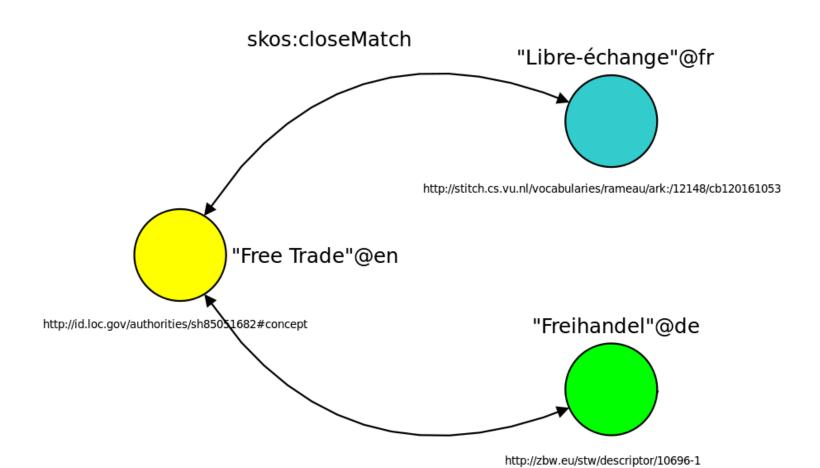


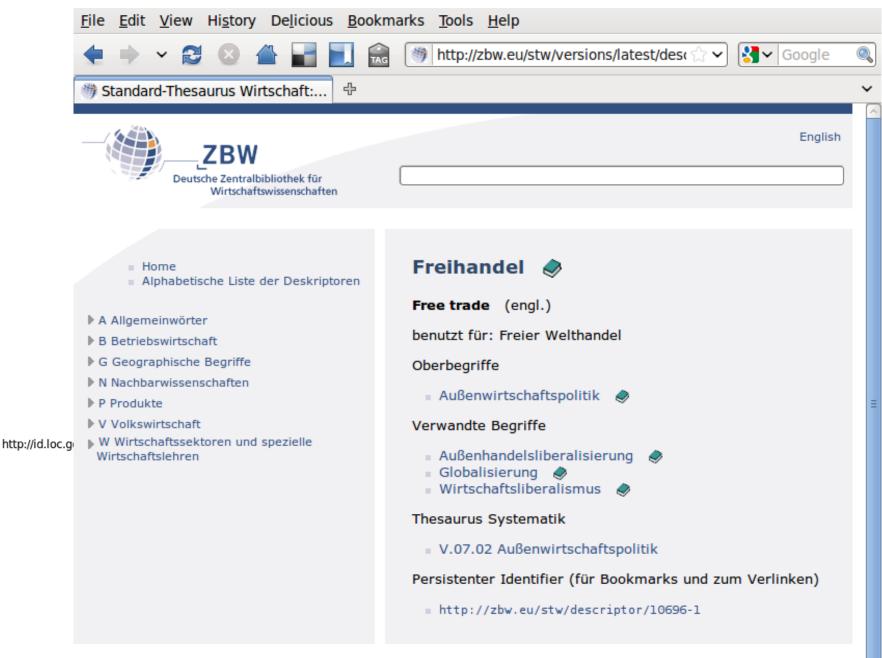
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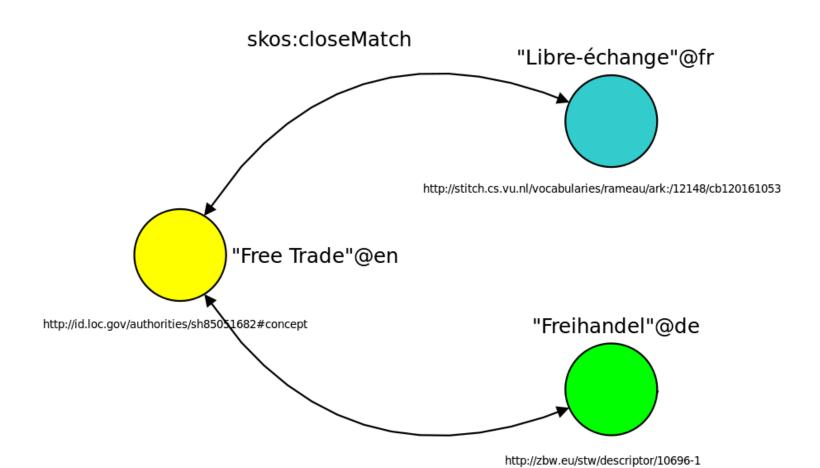


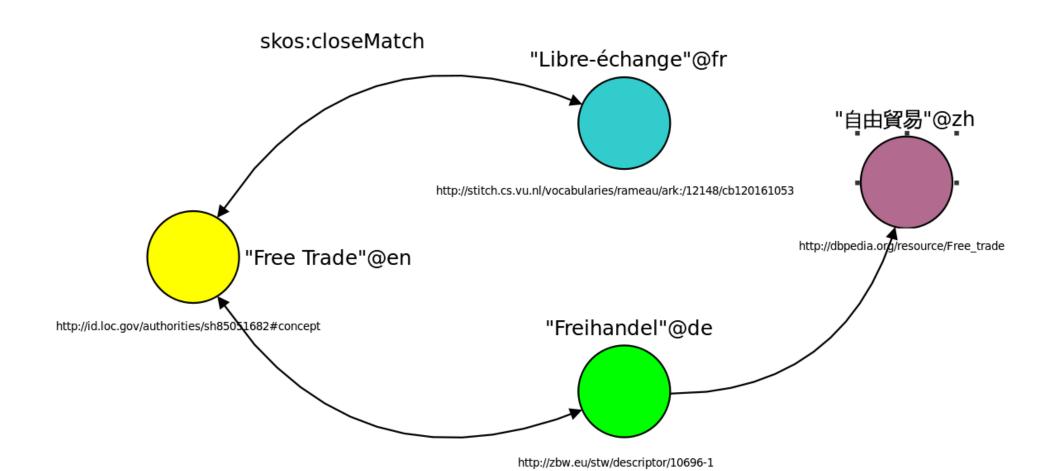


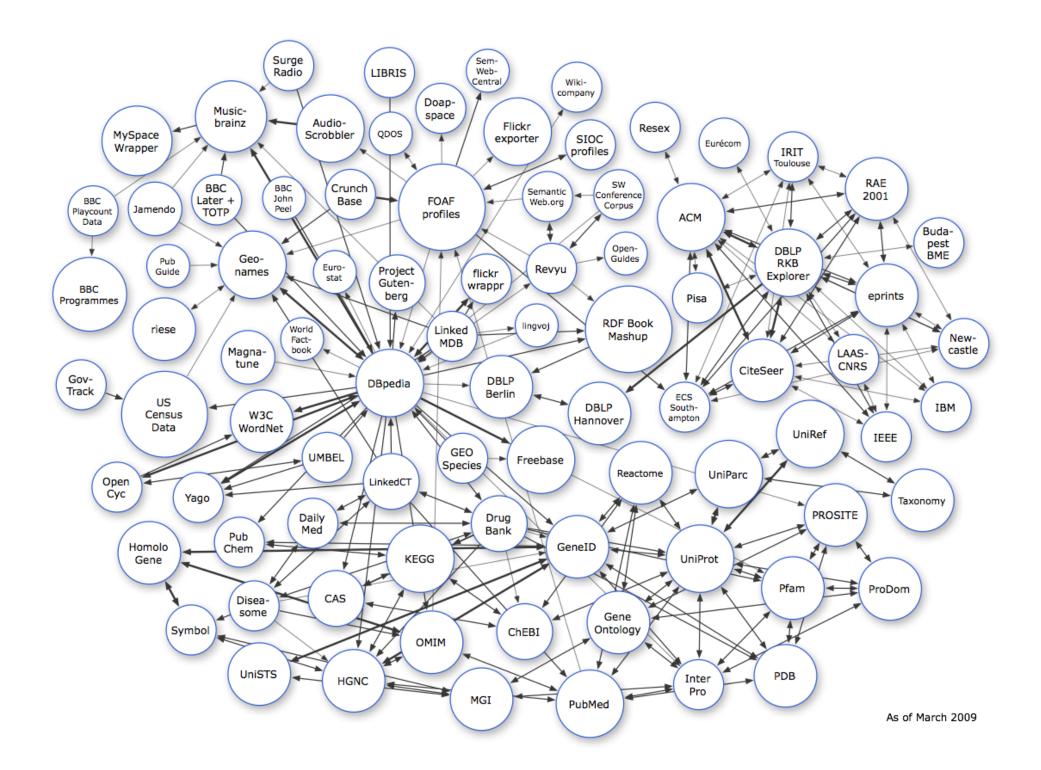
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#### Publisher:

New York Tribune

#### Dates of publication:

1866-1924

#### Description:

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#### Frequency:

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Single edition = dates in **bold**.

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**Issues for** 



	January, 1880						
S	М	Т	W	Т	F	S	
				1	2	3	
4	<u>5</u>	<u>6</u>	<u>7</u>	8	9	<u>10</u>	
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	31	

	February, 1880						
S	М	Т	W	Т	F	S	
1	2	<u>3</u>	4	<u>5</u>	<u>6</u>	7	
8	9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	
<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	
<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	28	
<u>29</u>							

	March, 1880								
S	М	Т	W	Т	F	S			
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<u>7</u>	8	9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>			
<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>			
<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>			
<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>						

	April, 1880						
S	М	Т	W	Т	F	S	
				1	2	3	
4	<u>5</u>	<u>6</u>	<u>7</u>	8	9	<u>10</u>	
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	
<u>25</u>	<u>26</u>	<u>27</u>	28	<u>29</u>	30		

May, 1880						
S	М	Т	W	Т	F	S
						1
2	<u>3</u>	4	<u>5</u>	<u>6</u>	<u>7</u>	8
9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	22
<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>
<u>30</u>	<u>31</u>					

June, 1880								
S	М	Т	W	Т	F	S		
		1	2	<u>3</u>	4	<u>5</u>		
<u>6</u>	7	8	9	<u>10</u>	11	<u>12</u>		
<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>		
<u>20</u>	<u>21</u>	22	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>		
<u>27</u>	28	<u>29</u>	<u>30</u>					







#### **Issues in Batch**

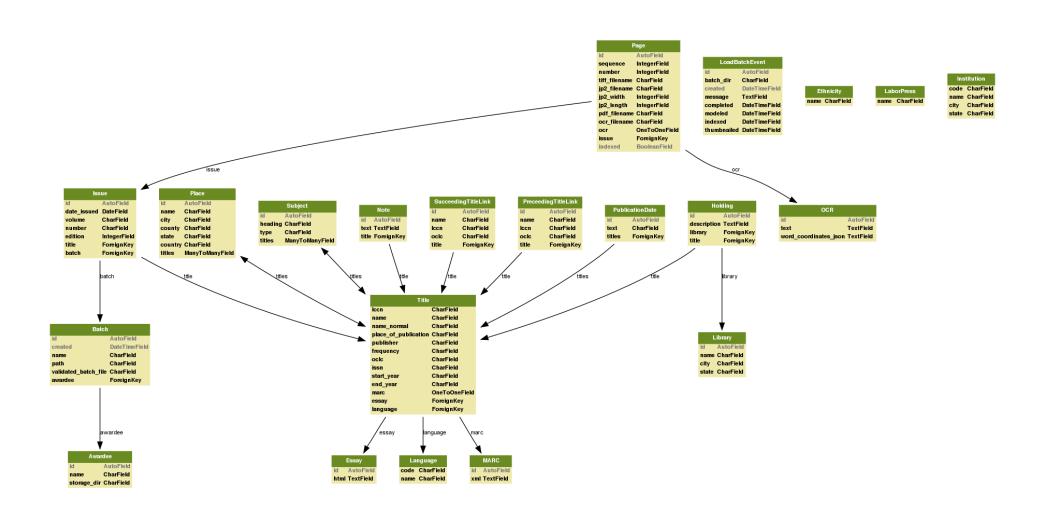
supporting research, education,

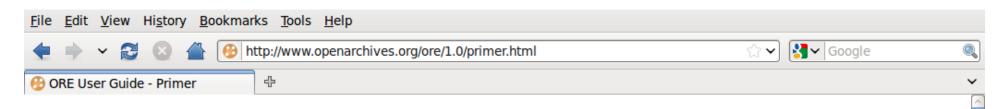
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in the humanities.

preservation, and public programs

Title	Issue Date	Number of Pages
The evening world. (New York, N.Y.) 1887-1931	1902-05-01	12
The evening world. (New York, N.Y.) 1887-1931	1902-05-02	12
The evening world. (New York, N.Y.) 1887-1931	1902-05-03	8
The evening world. (New York, N.Y.) 1887-1931	1902-05-05	10







# 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)

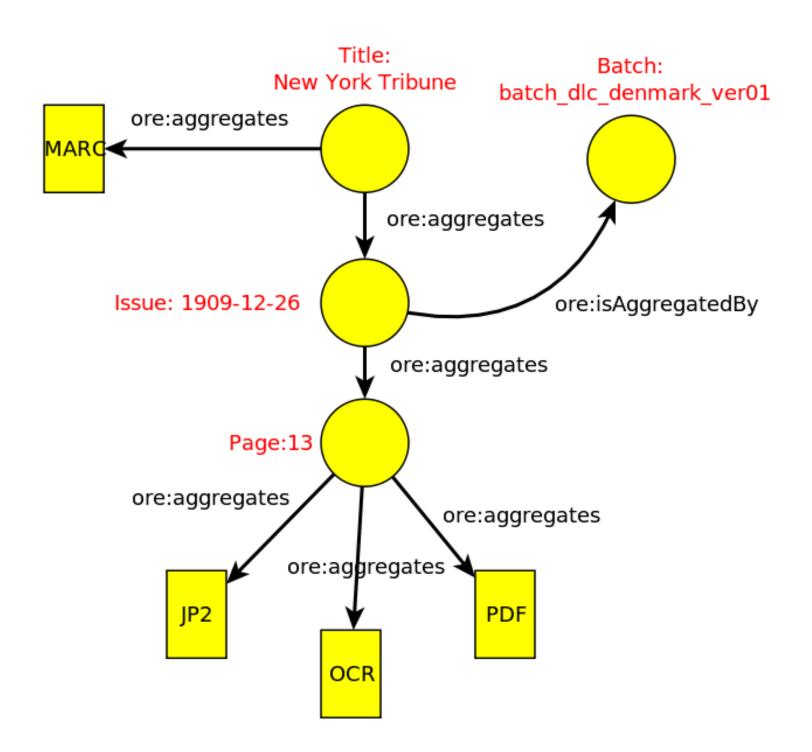
Carl Lagoze, Cornell University Information Science Herbert Van de Sompel, Los Alamos National Laboratory

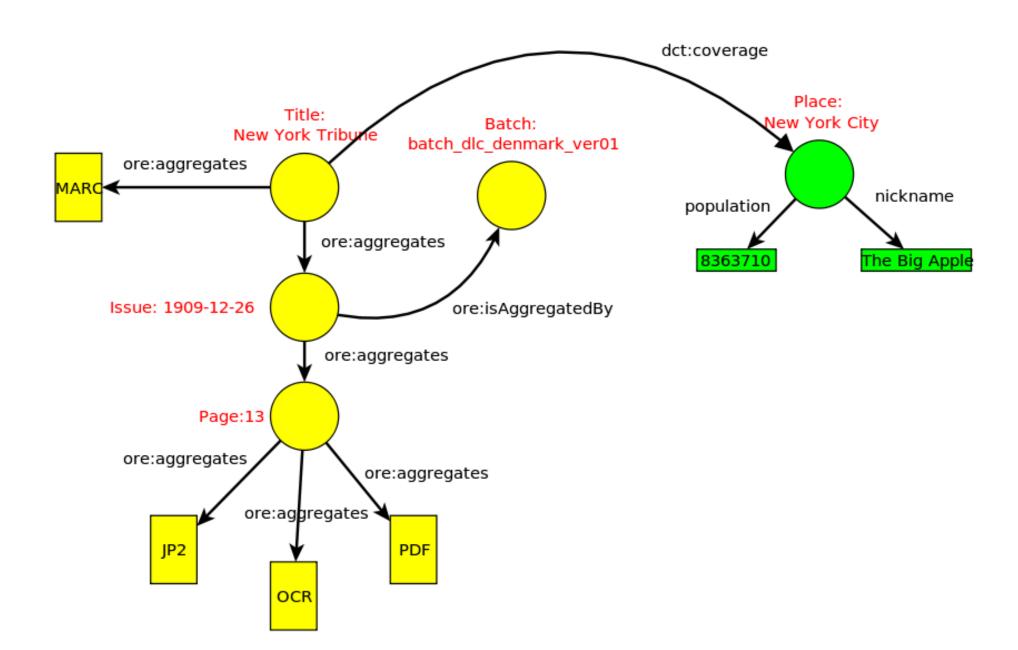
#### **Editors (ORE Technical Committee)**

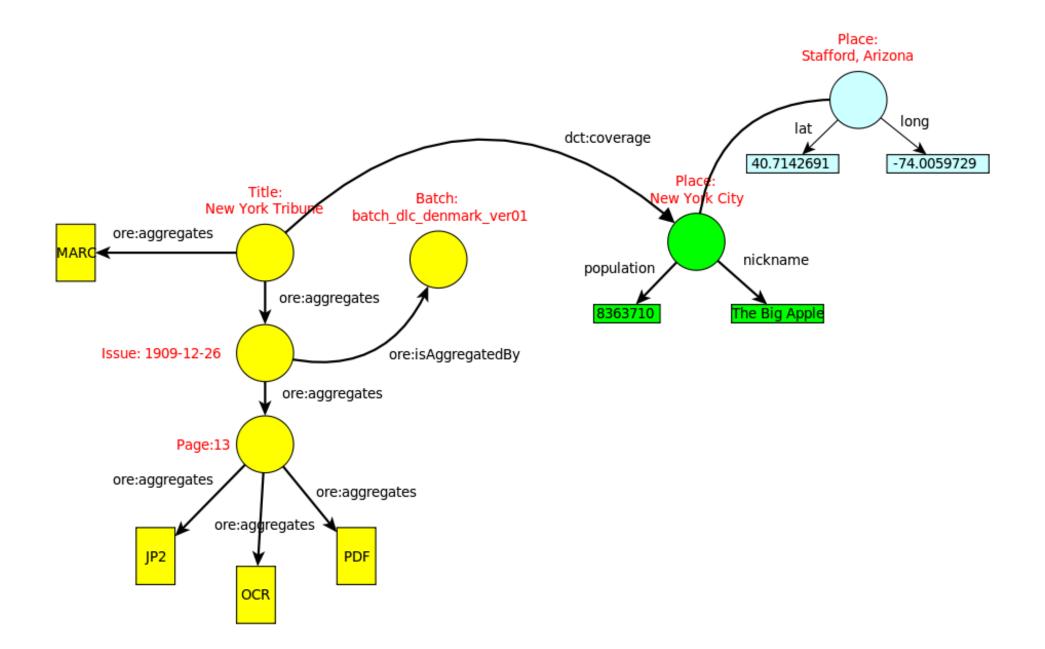
Pete Johnston, Eduserv Foundation Michael Nelson, Old Dominion University Robert Sanderson, University of Liverpool Simeon Warner, Cornell University Information Science

#### 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





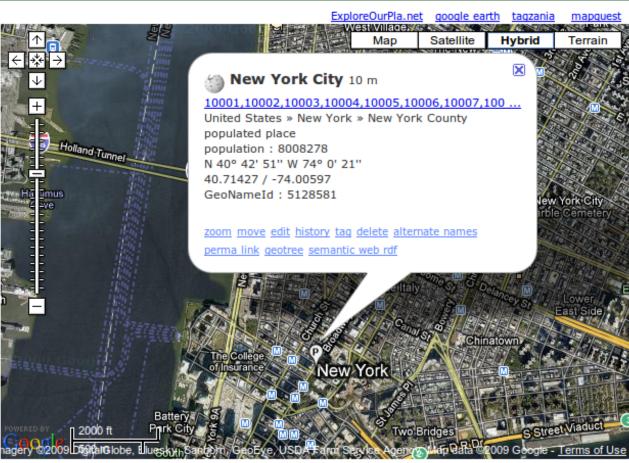






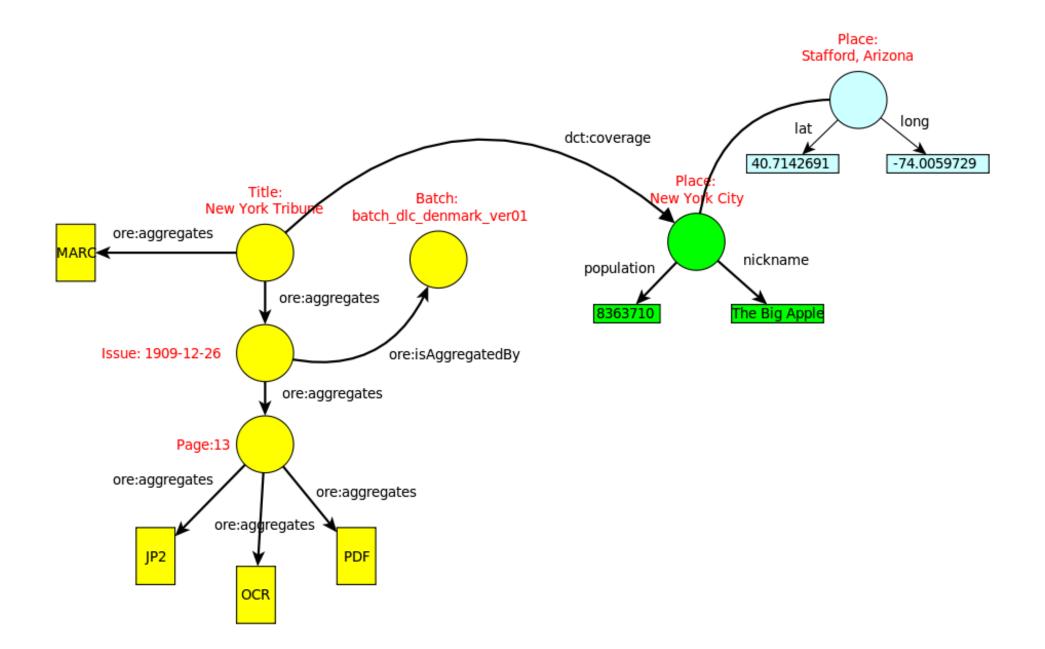
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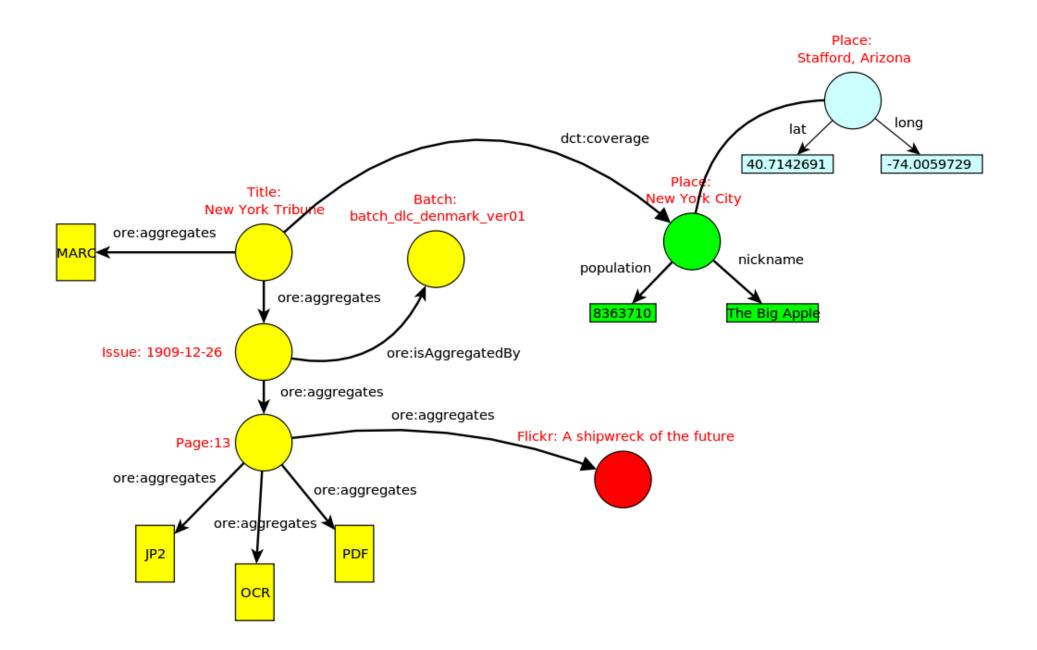
GeoNames Wikipedia



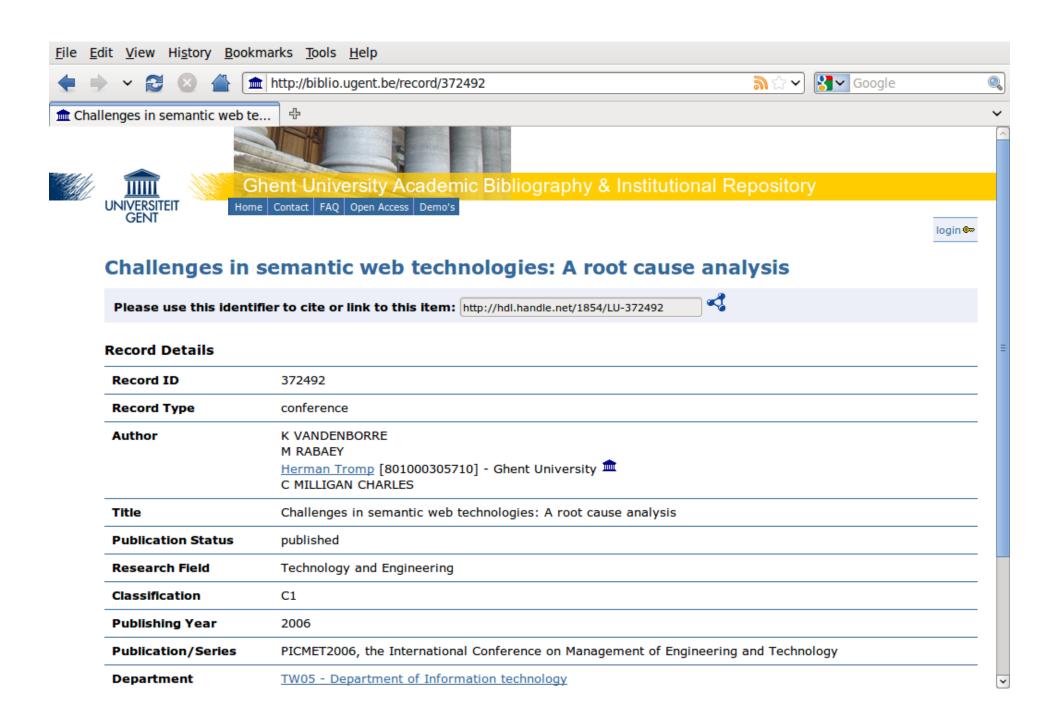
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1 (P)	New York City	United States	populated place	0 km

Export : csv 🖅 , png 🖼

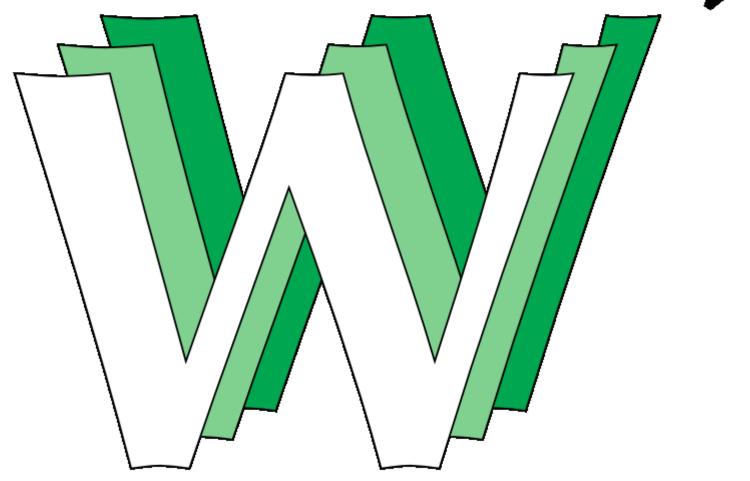








Let's Share What We know



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Computability De-centralised Information Systems Semantic Web Process Calculus...

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Web

Protocols. Architectures. Accessibility Security Resilience...

Social attitudes

Theory of groups

Social networks

Plume Tracing....

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# Ecology

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Values; attitudes and lifestyles: fast trends

Anti-corporate Open source' values New trust matrix: NGOs Ethical consumers Demography \*\*\*

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Theory of Markets Macro and Micro economics Auction models Types of capital ..

### Law

Intellectual Property EU/regulatory drivers Socio-cultural Public engage vs indifferent. responsibility

### Media

Fragmented public media and discourse Single issue moral panics Smart mobs Mobile opinion formers...

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