

historypin

Jon Voss Historypin Strategic Partnerships Director

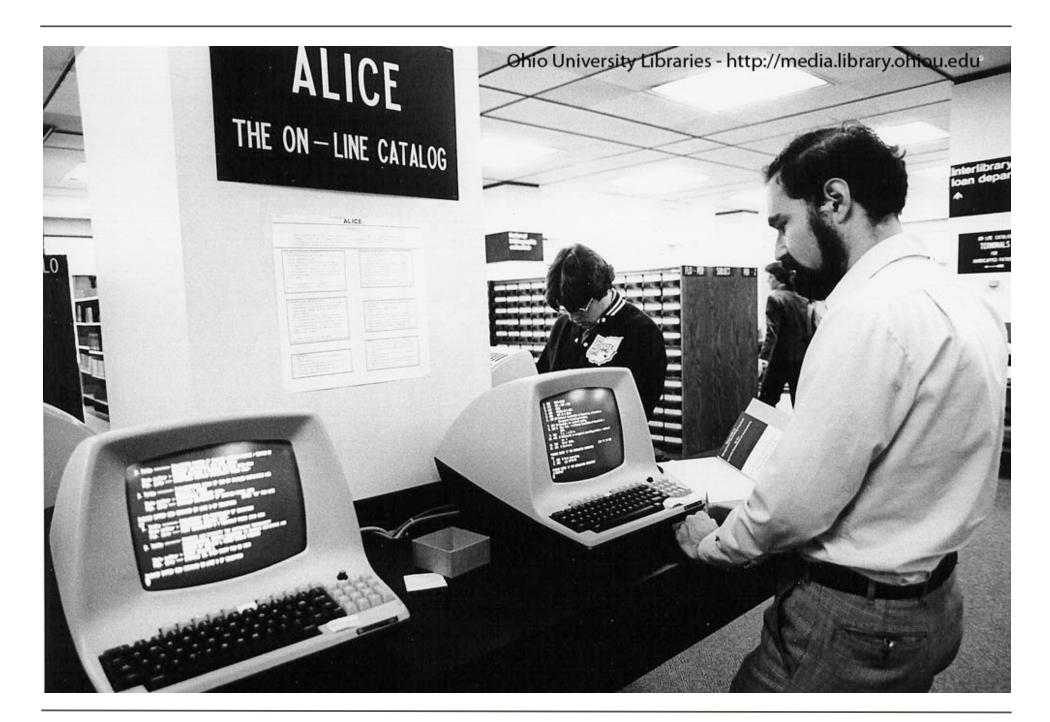
We Are What We Do jon.voss@wearewhatwedo.org

@jonvoss @historypin historypin.com

RBMS Preconference, June 21, 2012 San Diego, CA USA









Linked Open Data in Libraries, Archives and Museums

#LODLAM

Culture

Law

Technology



Culture

Law

Technology

New Paradigm Making This A Reality

The DJ in the Library?





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History and Mashup Culture

2010 National Archives Photo Contest





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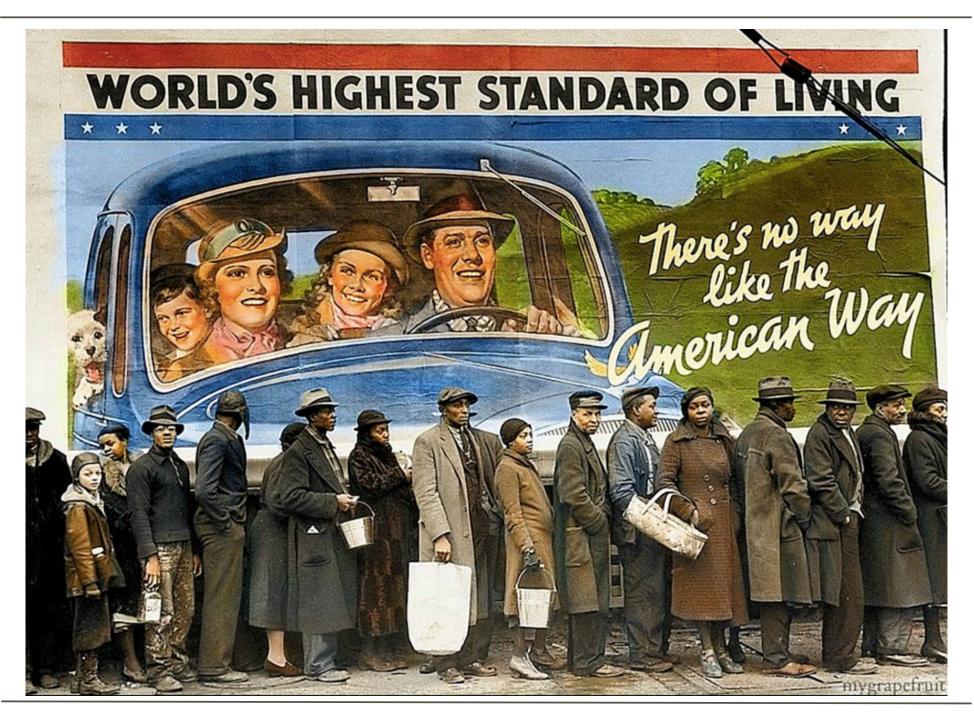
History and Mashup Culture

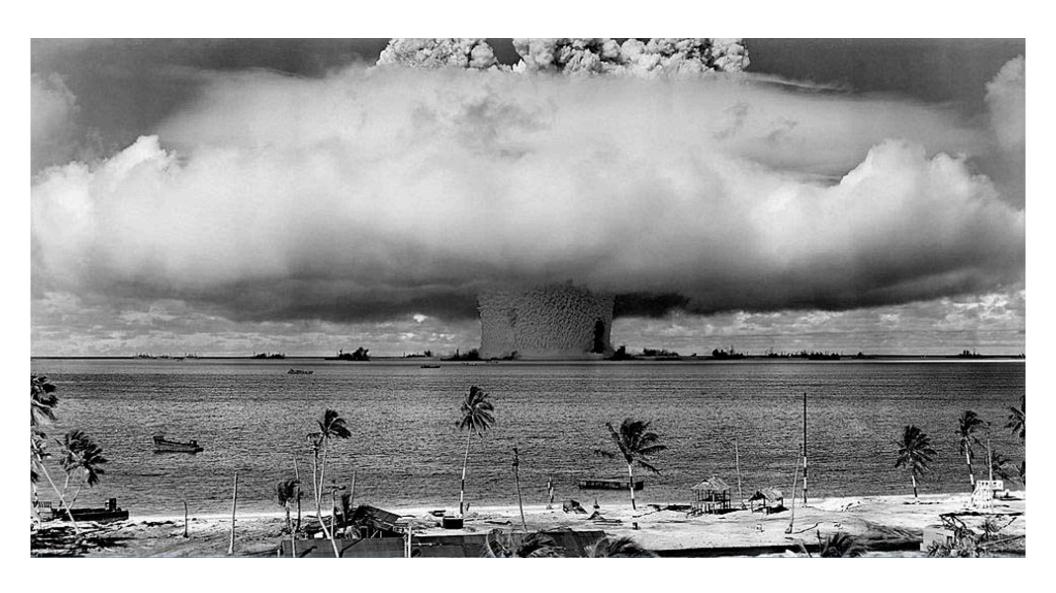
NARA mashup on Historypin











historypⁱn



historypⁱn

BURRITO JUSTOB

You can pry my burrito out of my cold, dead hand.

Home About Buy a t-shirt! Islands of SF Poster La Lengua Mission Microhoods etc

Yesterday's Baseball Is Tomorrow's Safeway

> RSS - Posts

> RSS - Comments

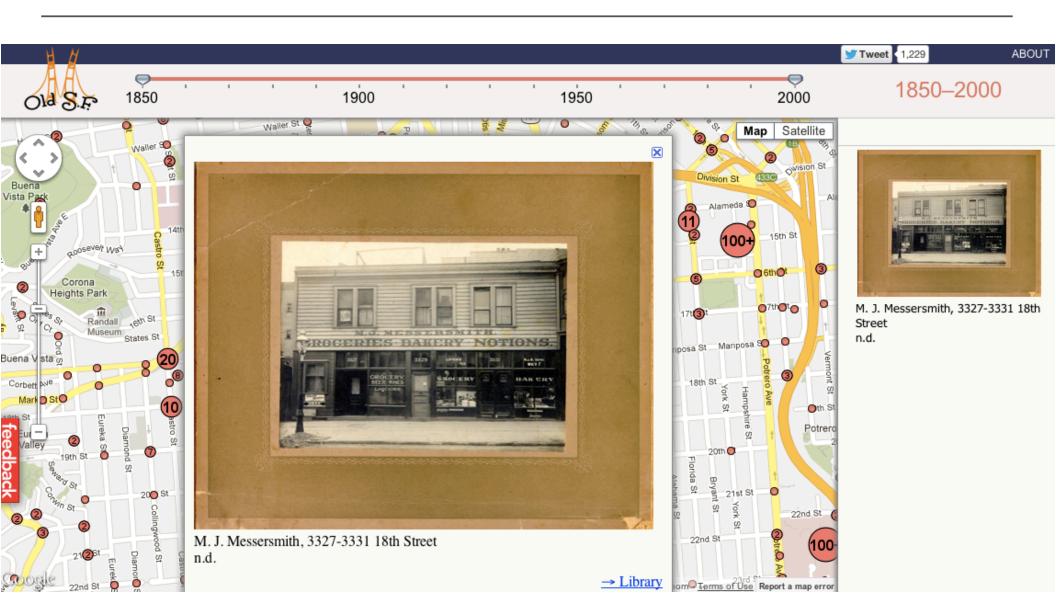
FEBRUARY 10, 2010



http://burritojustice.com/2010/02/10/yesterdays-baseball-is-tomorrows-safeway







http://oldsf.org



Culture

Law

Technology

New Tools Enabling Better Sharing



Metadata vs. data, assets, digital surrogates, images







050	0	0	a	LOT 4189
	0	0	b	[Item]
245	0	0	a	23rd New York Infantry
	0	0	h	[graphic].
260			С	[between 1861 and 1865]
300			a	1 photographic print.
520	0		a	Two soldiers, one black and one white smoking a long pipe in front of tent.
500			a	No. B1065.
500			a	Civil War Photograph Collection (Library of Congress).
500			a	This record contains unverified, old data from caption card.
540			a	No known restrictions on publication.
852			a	Library of Congress
			b	Prints and Photographs Division
			e	Washington, D.C. 20540 USA
			n	dcu
856	4	1	3	b&w film copy neg.
	4	1	d	cph
	4	1	f	3a03830
	4	1	u	http://hdl.loc.gov/loc.pnp/cph.3a03830
985			a	pp/cwp
			е	reconref
985			a	pp/dlof
991			b	c-P&P

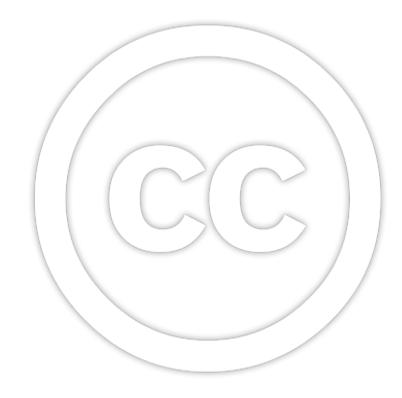


Legal Tools

Open Data



Public Domain Dedication and License (PDDL) Attribution License (ODC-By) Open Database License (ODC-ODbL)



Open (ish)



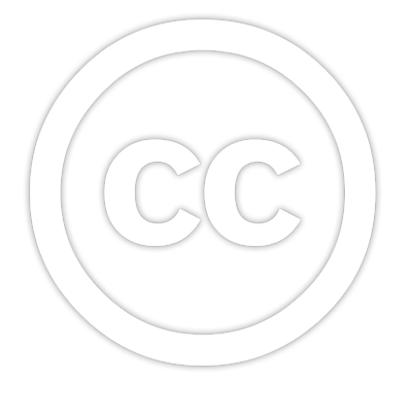
CC BY-SA



Legal Tools

Published (NOT OPEN) Data



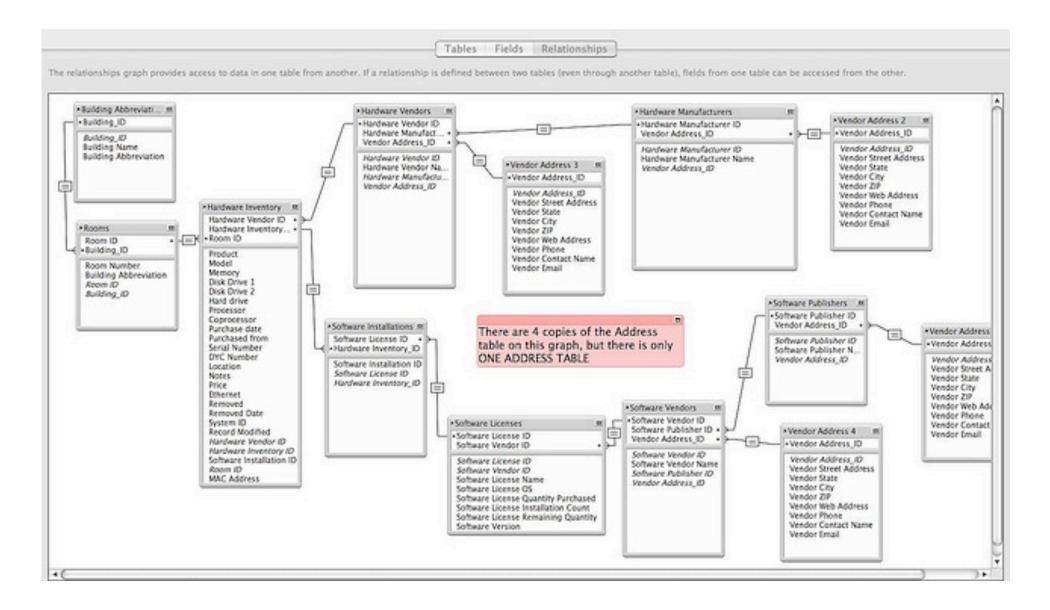


Culture

Law

Technology

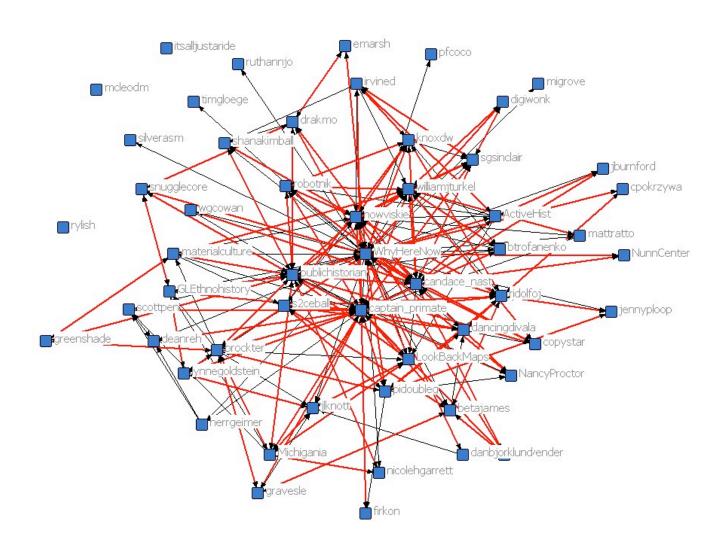
Going from Tables to Graphs





Going from Tables to Graphs

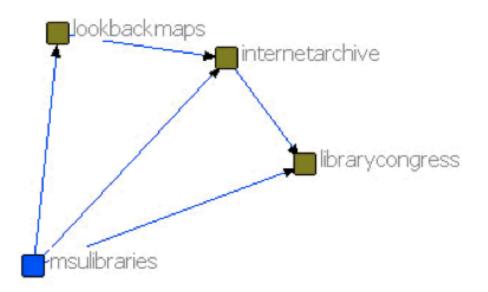
Nodes and links in a graph





Going from Tables to Graphs

As computing power increases, the ability to build more and more complex graphs becomes a reality.



msulibraries	lookbackmaps
msulibraries	internetarchive
msulibraries	librarycongress
lookbackmaps	internetarchive
internetarchive	librarycongress



Introducing Triples

Nodes and Links

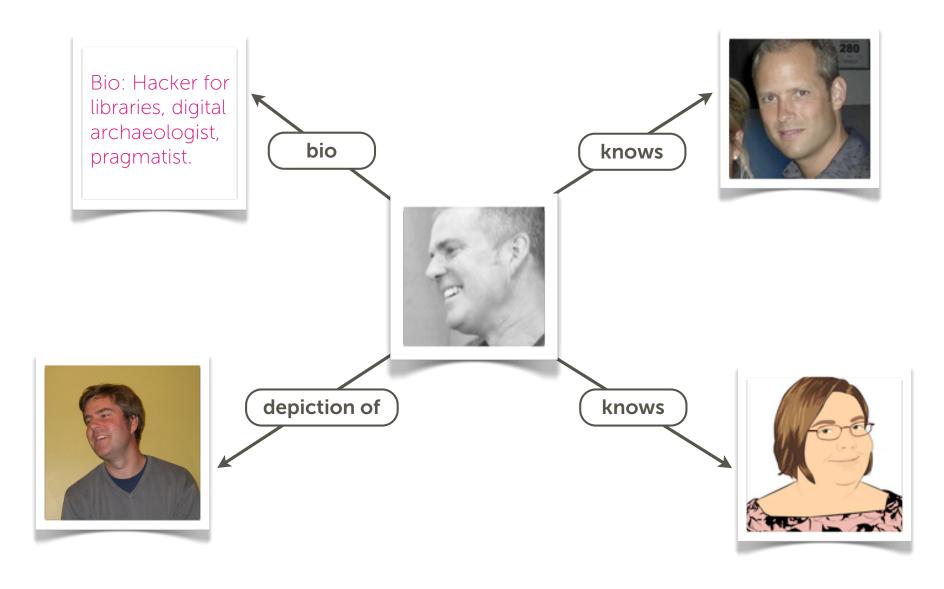


- Quite simply: Subject, Predicate, Object
- gives us the ability to describe entities in a way that is machine readable

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What do we know about the person:

Ed Summers (aside from the fact that he rocks)?





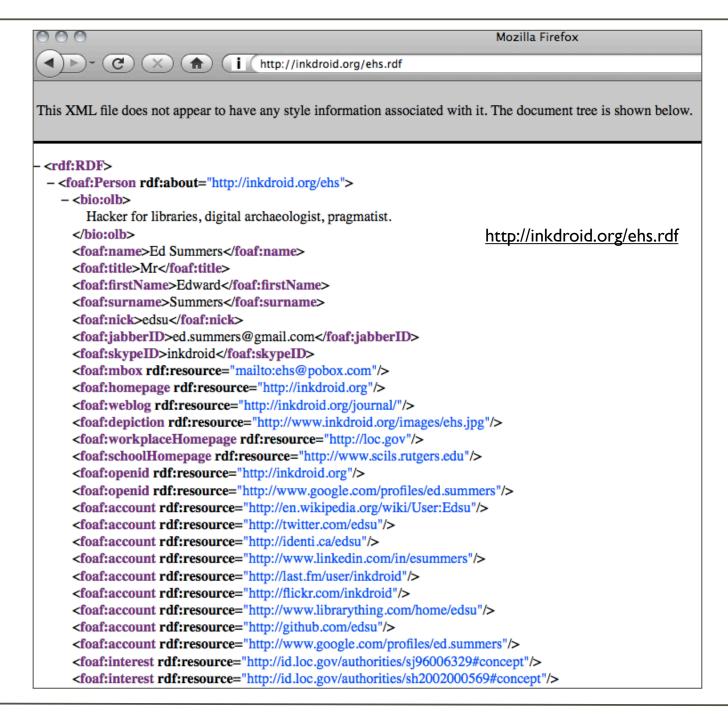
Triples for machines

- Triples can be serialized in many different ways, including Resource Description Framework,
 RDF/XML, RDFa, N3, Turtle, etc, but they all describe things in the
 <subject>cobject>< format.
- Of course, we need to be **consistent** and **predictable** for machines to understand us.

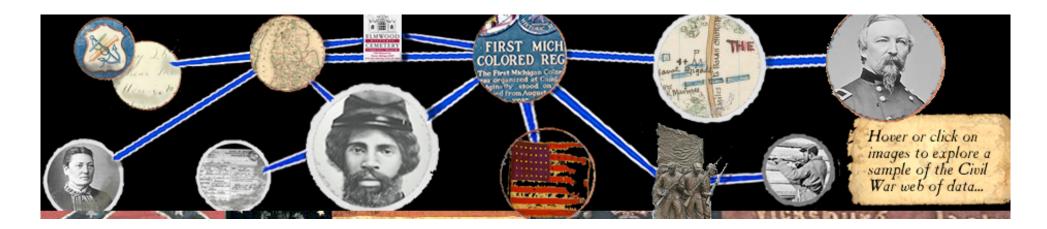






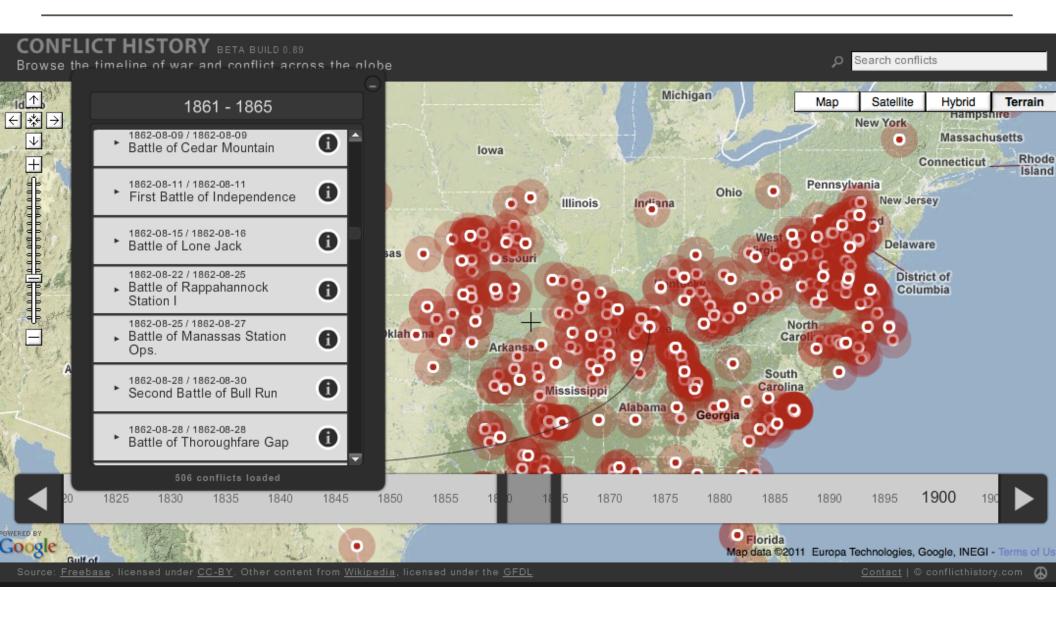






- Consider graph demo: http://civilwardata150.net
- Civil War vocabulary, or a way to link and traverse across datasets
 - Regiments, Battles, Places
- Building apps that use this data





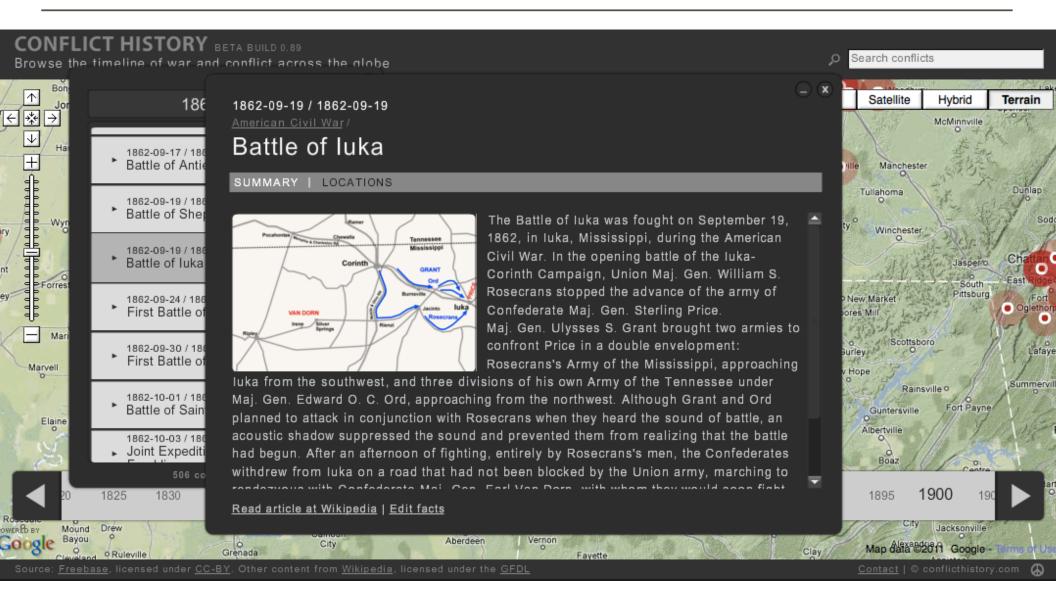
http://conflicthistory.com





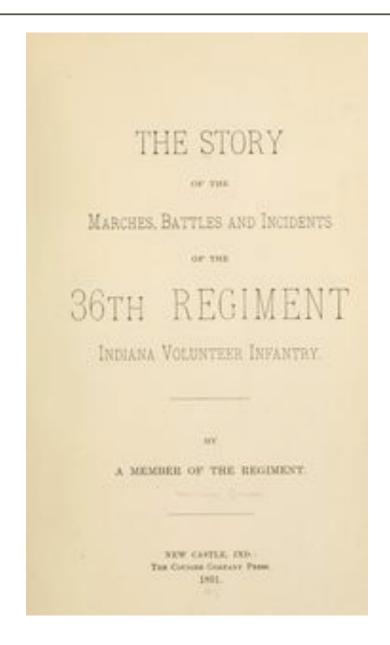
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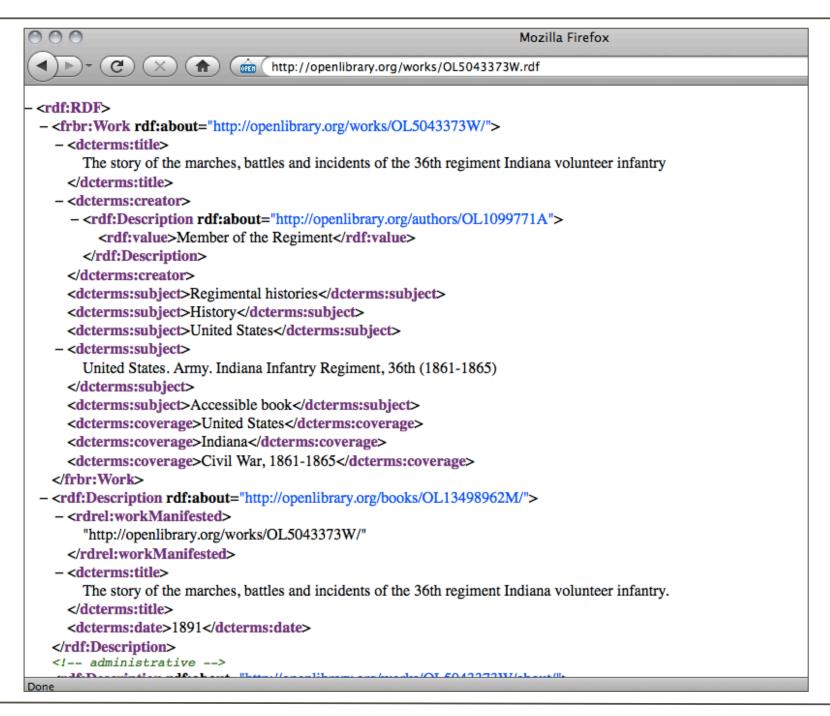


http://conflicthistory.com





historypin





historypin

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Map | Tours & Collections | Channels | Community

Historypin in 90 seconds



Animation of the Queen's Visits



See some awesome Channels





Pin | Join | Login









Explore Channels

























Glendale Public Library

The Glendale Public Library, located in Glendale, California, was established in 1907, the year after the city's incorporation. The Central Library, Brand Library and Art Center, and 6 other branches serve a diverse community of over 200,000 people. The images included here come from the Central Library's Special Collections Room. Visit the library's website for hours and locations, events, and additional Library information and resources.

Channel Details

Channel views: 706

Fans: 4

Pins: 63

Tours: 0

Collections: 2

Become a Fan











University of Louisville Photographic **Archives**

The Photographic Archives at the University of Louisville houses almost 2 million photographs and associated records and manuscripts. Its mission is to collect significant documentary photograph collections, to organize the collections and to make them available to both the researcher and the casual browser. Hundreds of discrete collections include national documentary projects, local history photographs and an

excellent museum collection of fine prints.

Channel Details

Channel views: 1125

Fans: 6 Pins: 174 Tours: 4 Collections: 3

Become a Fan

Share this channel







Search our digital collections at: http://digital.library.louisville.edu/

Find out more at: louisville.edu/library/ekstrom/special/photographic-archives.html

Find us on Facebook Follow us on Twitter





The Winthrop Rockefeller Collection

A Digital Project of the UALR Center for Arkansas History and Culture Exhibit Opening May 1, 2012



VIRTUAL EXHIBIT »

THE COLLECTION »

EDUCATION »

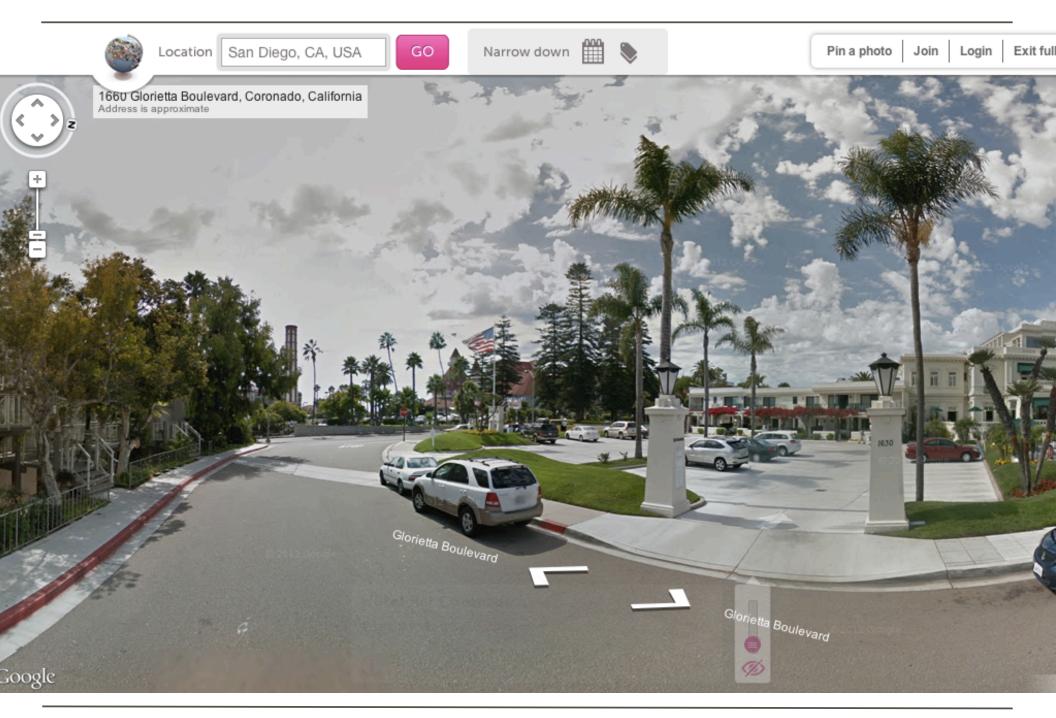
EVENTS »

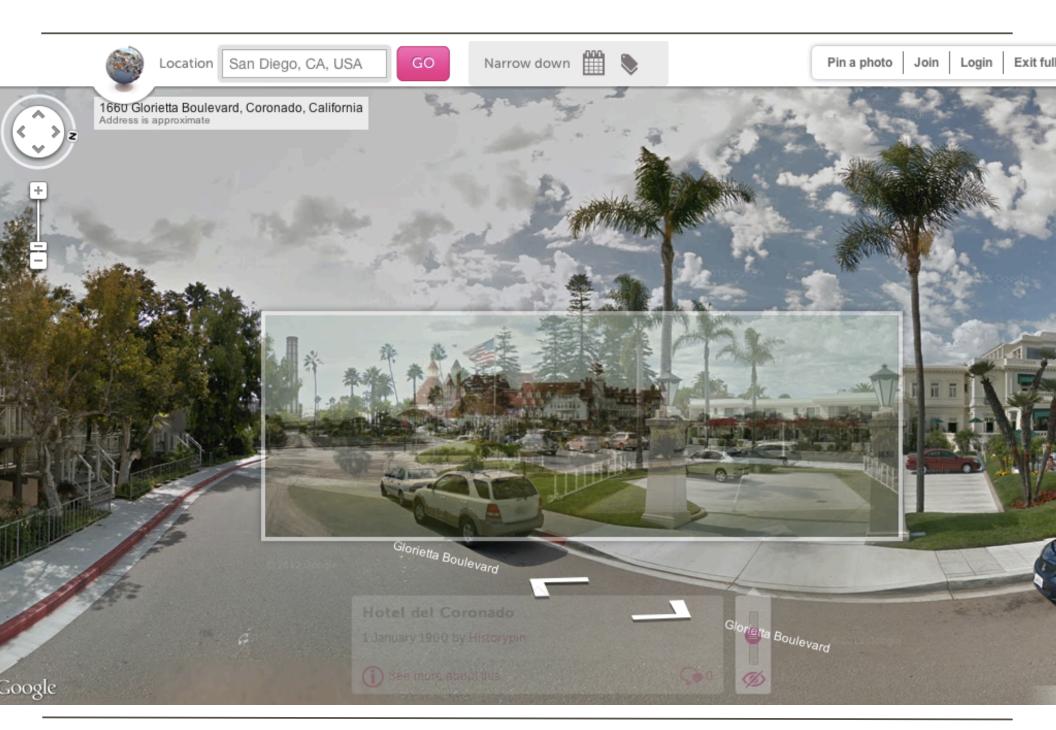
ABOUT »

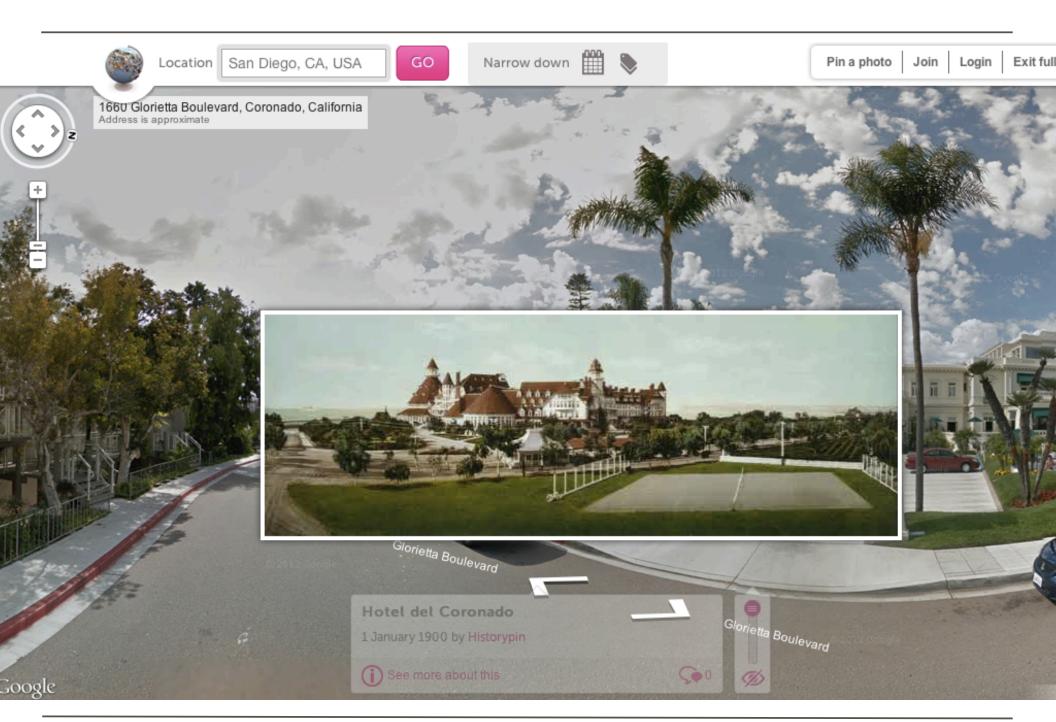
Mapping The Collection



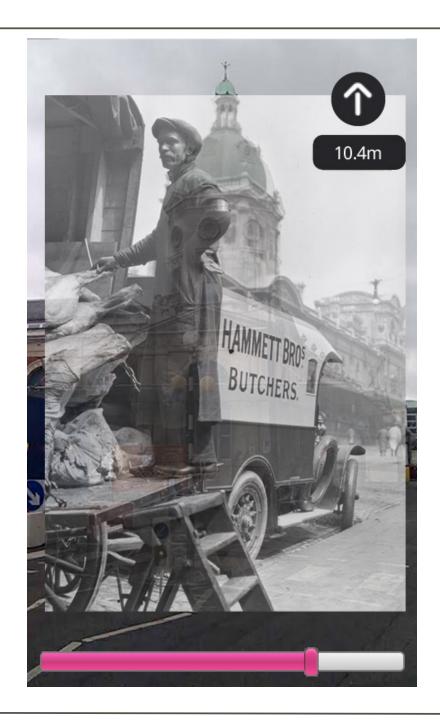




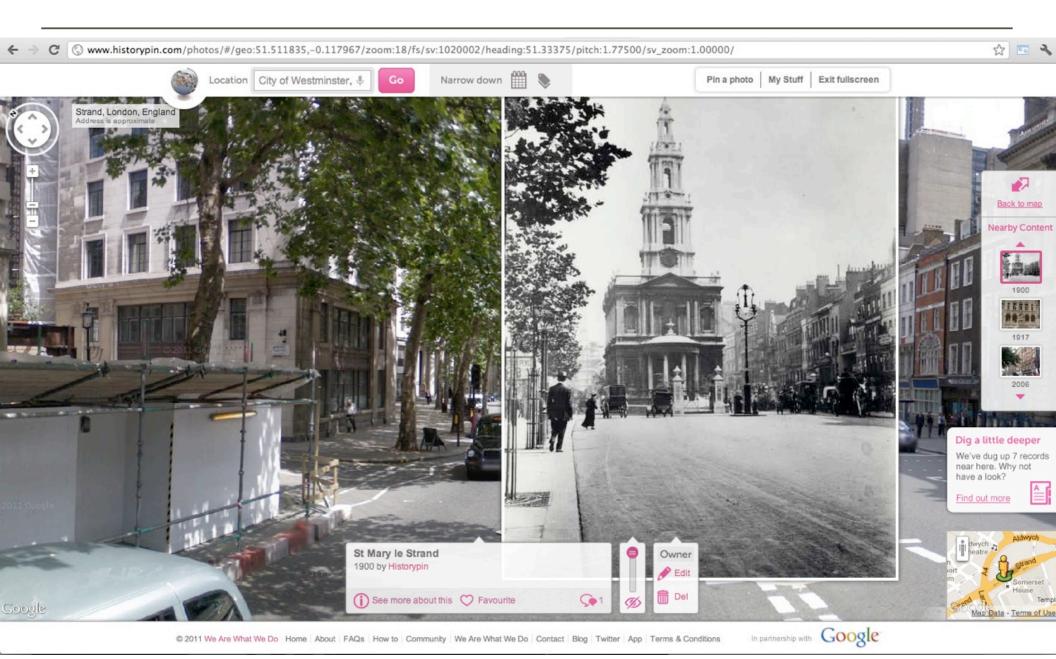


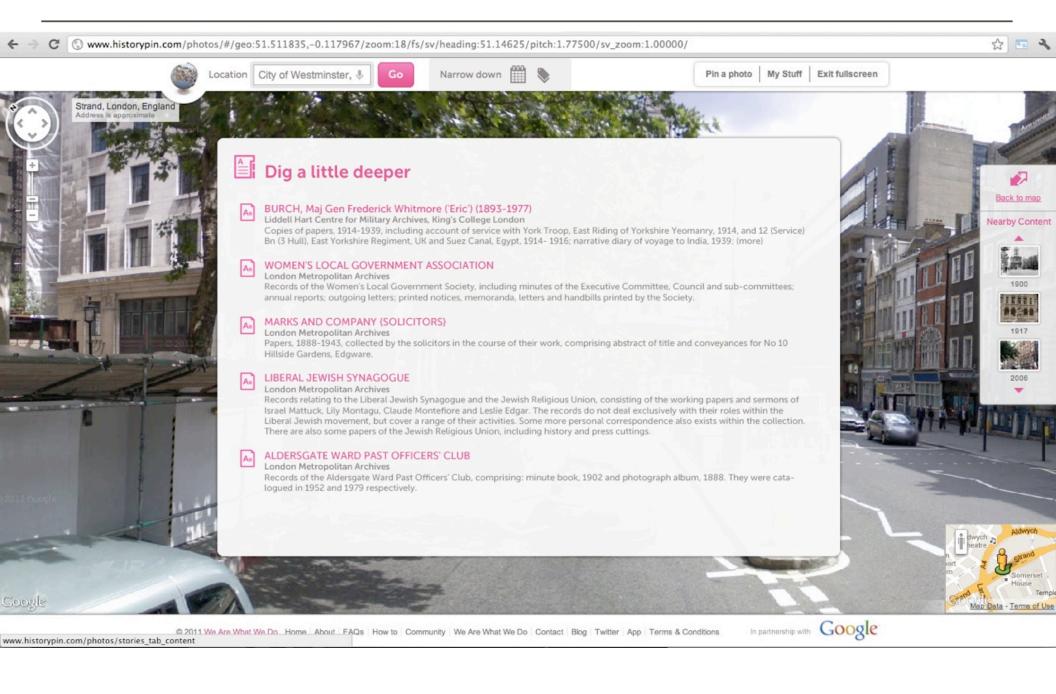


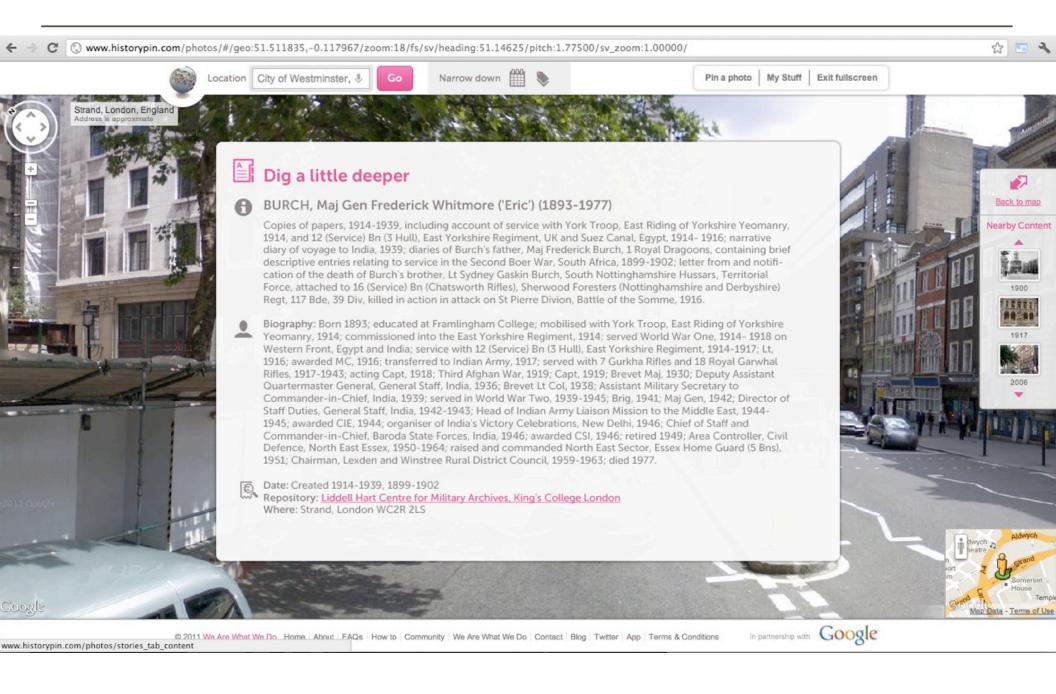




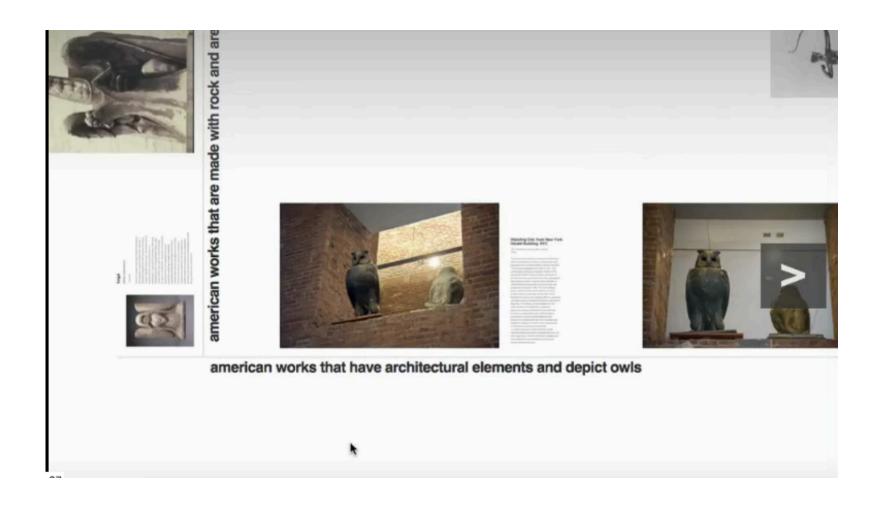
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http://timwray.net/2011/12/canvas/



Linked Open Data in Libraries, Archives and Museums

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Places for at&t store near Mission St. San Francisco

AT&T

att.com

4 Google reviews

AT&T

att.com

4 Google reviews

AT&T

att.com

*** 9 Google reviews

2410 Mission St San Francisco, CA (415) 970-8520

- B 236 King St San Francisco, CA (415) 546-5104
- © 701 Market St San Francisco, CA (415) 281-1205

More results near Mission St, San Francisco »

Apple Macintosh and iPhone Stores in San Francisco, CA

apple-store.in/94108-san-francisco/

iPod Store: yes; iPad Store: no; Apple Computers: no; AppleTV: no; iPhone Store: no ... AT&T 701 Market St San Francisco, CA 94103. phone: (888) 333-6651 AT&T. AT&T 2001 Mission St San Francisco, CA 94110. phone: (888) 333-6651 ...

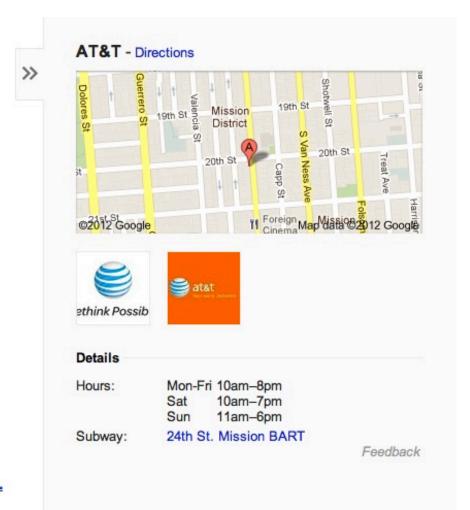
AT&T SAN FRANCISCO 2410 MISSION ST Store Hours

www.quickr.org/AT_T_SAN_FRANCISCO_2410_MISSION_ST_St...

AT&T Store - 2410 MISSION ST,, SAN FRANCISCO, CA. Store Hours. MON-FRI 10:00-8:00, SAT 10:00-7:00, SUN 11:00-6:00. Store Phone Number. (415) 970-...

AT&T Retail Assistant Store Manager - San Francisco, CA (Mission ...

bayarea.jobing.com/atandt...store...san-francisco...mission-st/.../2787...





Sharing the stories Sharing the data







You're not alone...



2010

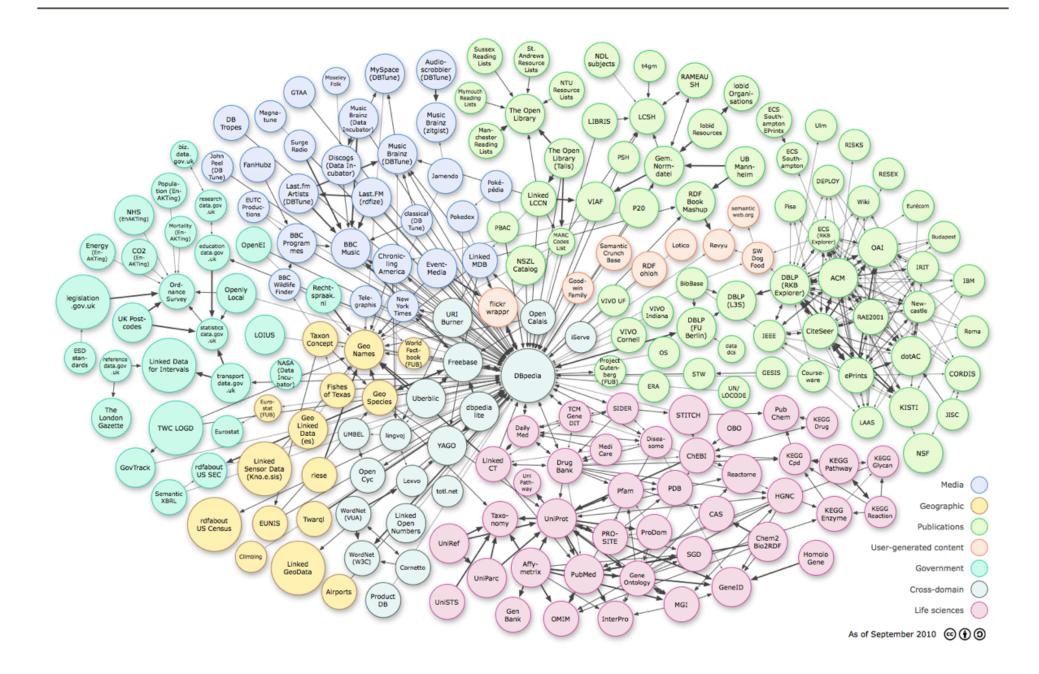
British Library
Stanford University
University of Michigan
Open Library
CERN

VIAF ID.LOC.GOV

W3C LLD







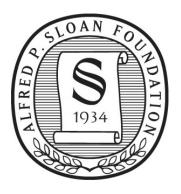
The Linked Data cloud as a whole grew by 300% in 2010...

...whereas the amount of data relevant for libraries grew by nearly 1000%



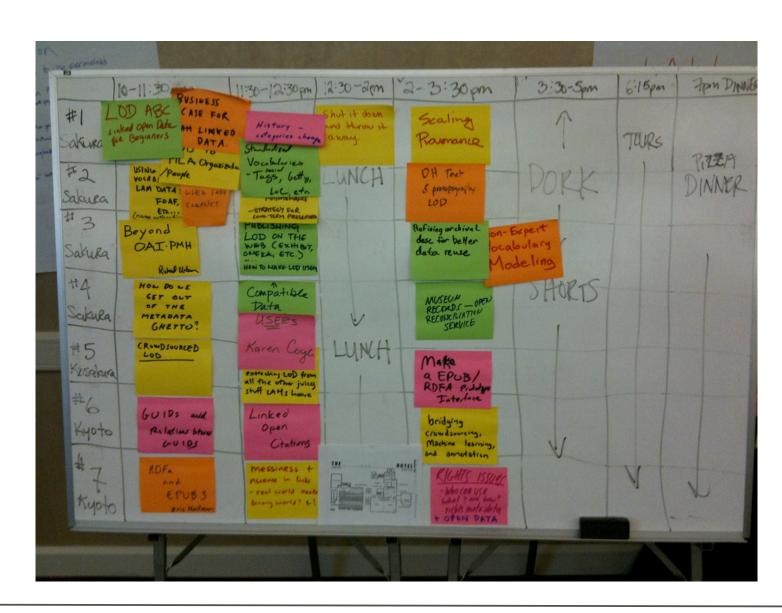
Linked Open Data in Libraries, Archives and Museums

#LODLAM

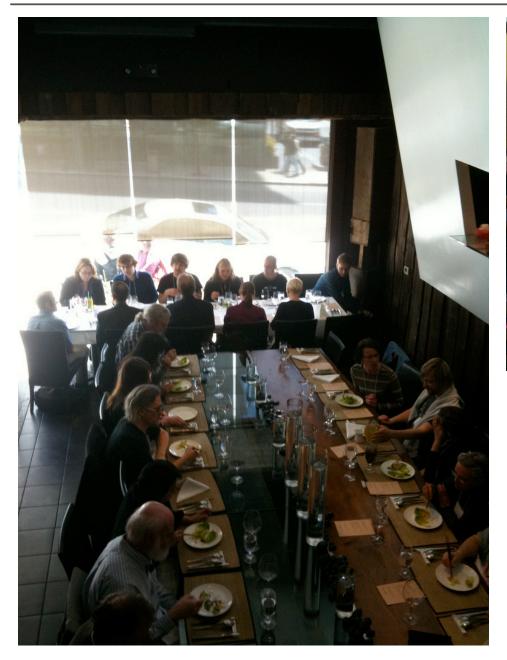








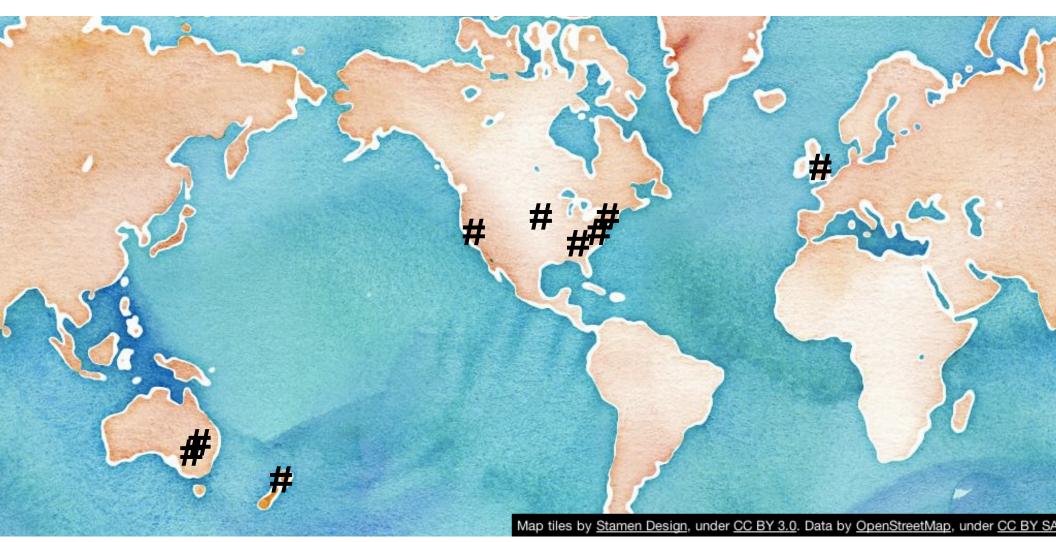






http://lodlam.net

San Francisco, DC, Atlanta, London, Wellington, New York, Canberra, Melbourne, St. Louis





#LODLAM alert: Stanford's Linked Data Workshop continues the conversation with publication of its Technology Plan: bit.ly/ykqLOh

5 Jan via TweetDeck

Retweeted by communicating and 8 others

















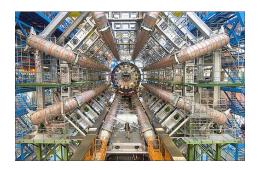
















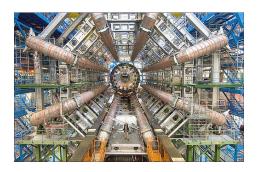














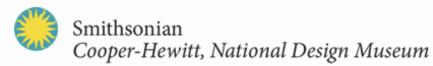


















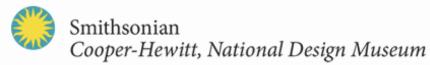




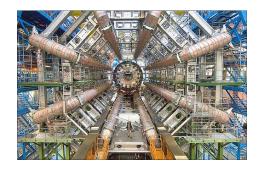
















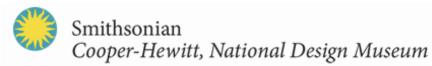




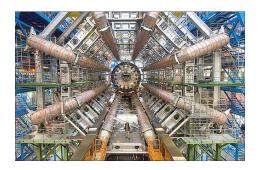






















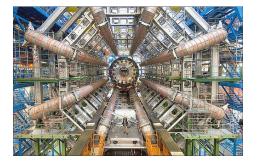








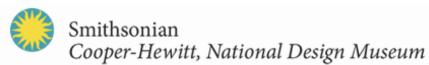








Stanford University



LIBRARIES & ACADEMIC INFORMATION RESOURCES





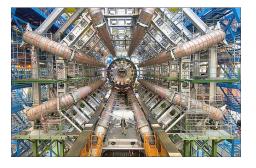


































Smithsonian



Google Ancient Places









Stanford University





Cooper-Hewitt, National Design Museum

LIBRARIES & ACADEMIC INFORMATION RESOURCES













Smithsonian



Google Ancient Places











Stanford University





Cooper-Hewitt, National Design Museum

LIBRARIES & ACADEMIC INFORMATION RESOURCES





































Who's got next?





resources and community on http://lodlam.net



resources and community on http://lodlam.net
ask for help on Google Group or #lodlam on Twitter



resources and community on http://lodlam.net
ask for help on Google Group or #lodlam on Twitter

Contribute!



Google Refine http://freeyourmetadata.org





From a

Web of Documents

to a

Web of Data





Radically Open Cultural Heritage Data on the Web

Linked Open Data





Jon Voss Historypin Strategic Partnerships Director

We Are What We Do jon.voss@wearewhatwedo.org

@jonvoss @historypin historypin.com

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