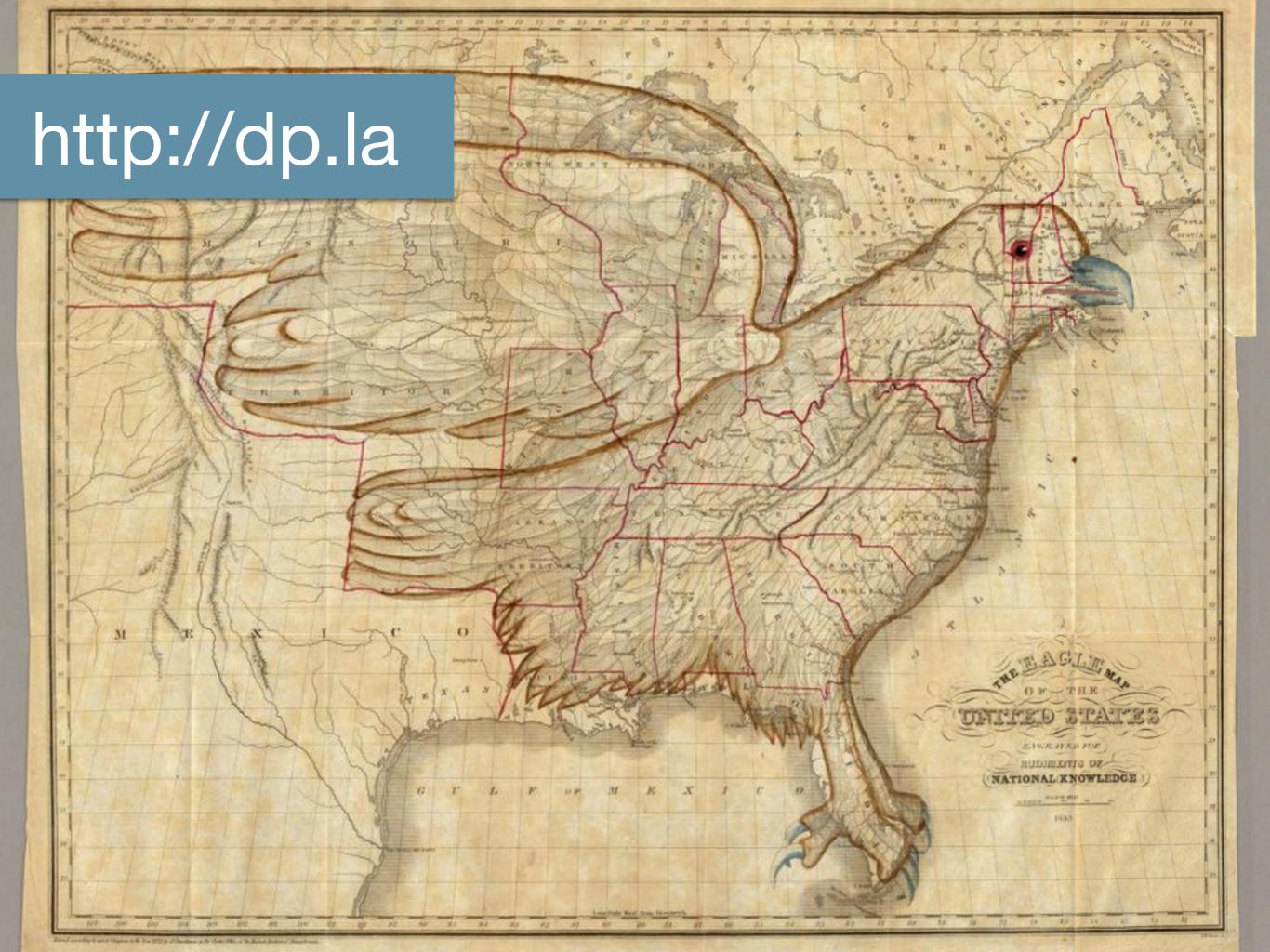
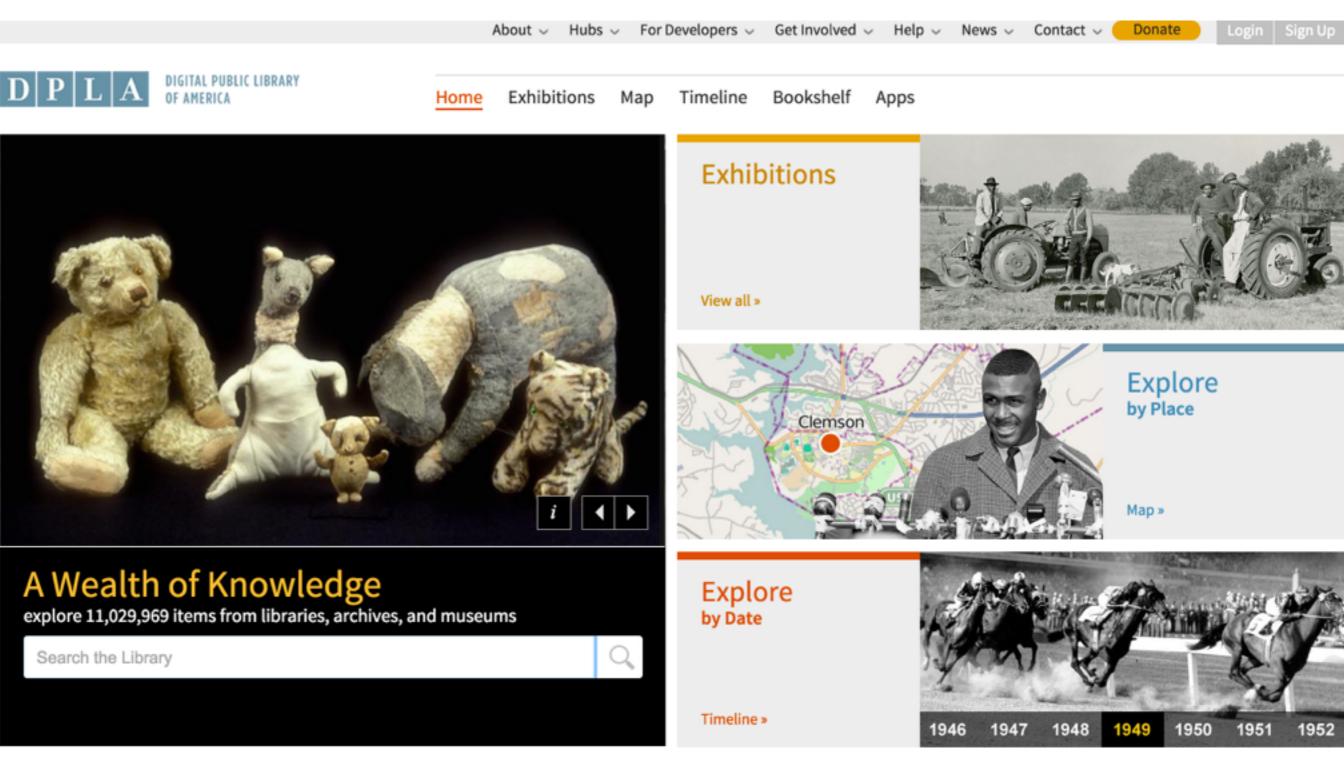


DPLA: Partnering for Discovery, Reuse, and Metadata Quality

Mark A. Matienzo < mark@dp.la > Digital Public Library of America

University of Maryland INST643: Curation in Cultural Institutions October 13, 2015

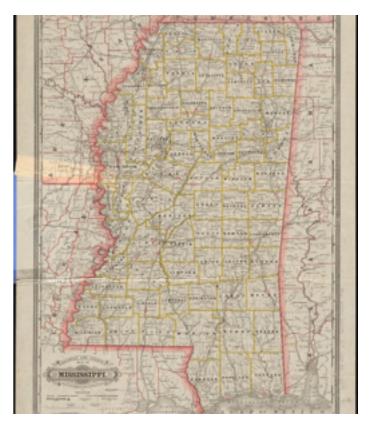














L-R Minnesota DL, Portal to TX History and Artstor

11 Million resources and growing

Refine



Letter from Sinclair Lewis to Marcella Powers, November 19, 1943

Lewis, Sinclair, 1885-1991

Letter written from the Hotel Nicollet, Minneapolis, Minnesota, regarding Lewis' lecture tour.

View Object

Contributing Institution St. Cloud State University Archives 266 University of Michigan 16 Utah State University - Merrill-Cazier Library 15 University of California 12 The Miriam and Ira D. Wallach Division of Art, 11 Prints and Photographs: Print Collection. The

Letter from Sinclair Lewis to Marcella Powers, May 14, 1944

Lewis, Sinclair, 1885-1991

Letter written from the Hotel Nicollet, Minneapolis, Minnesota, regarding Lewis' social life.

View Object

TEXT

Letter from Sinclair Lewis to Marcella Powers, May 12, 1944

Lewis, Sinclair, 1885-1991

Letter written from the Hotel Nicollet, Minneapolis, Minnesota, regarding Lewis' research on the legal system and his upcoming move to Duluth, Minnesota.

View Object



New York Public Library

More »

Partner

Minnesota Digital Library 270 HathiTrust 48 The New York Public Library 29

Mountain West Digital Library

Smithsonian Institution

More »

TEXT

20

15

Letter from Sinclair Lewis to Marcella Powers, August 4, 1943

Lewis, Sinclair, 1885-1991

Letter written from the Chateau Marmont, Los Angeles, California, regarding Lewis' wish that Powers meet with Eve Doyle March for lunch in New York.

View Object



From

To

Month

By Date

Month Day

Day

Year

Year

Letter from Sinclair Lewis to Marcella Powers, October 27, 1943

Lewis, Sinclair, 1885-1991

Letter written from the Hotel Broadview, Wichita, Kansas, regarding Lewis' journey to Kansas by train.

View Object





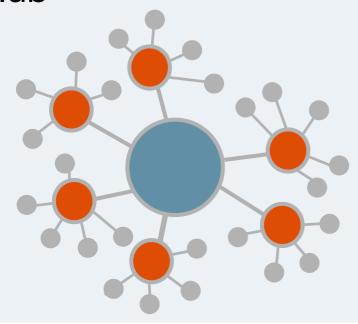


DPLA is partnerships



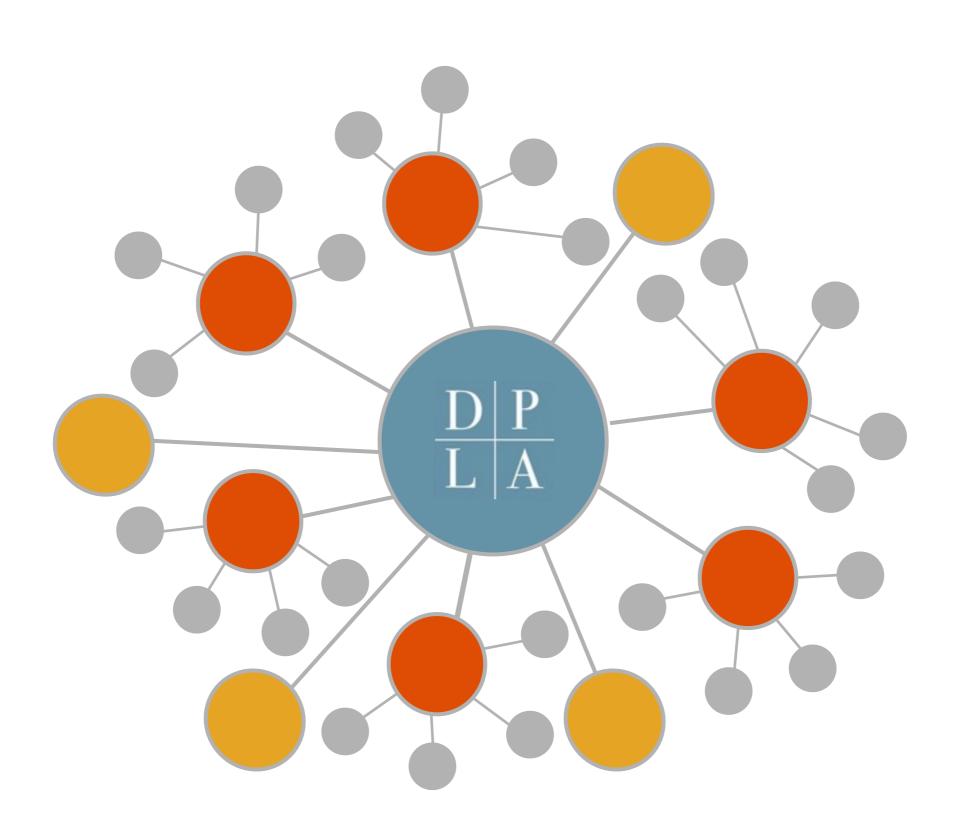
Service Hubs

Mountain West Digital Library
South Carolina Digital Library
Empire State Digital Network
Digital Commonwealth (MA)
NC Digital Heritage Center
The Portal to Texas History
Digital Library of Georgia
Minnesota Digital Library
Kentucky Digital Library
Indiana Memory
Missouri Hub



Content Hubs

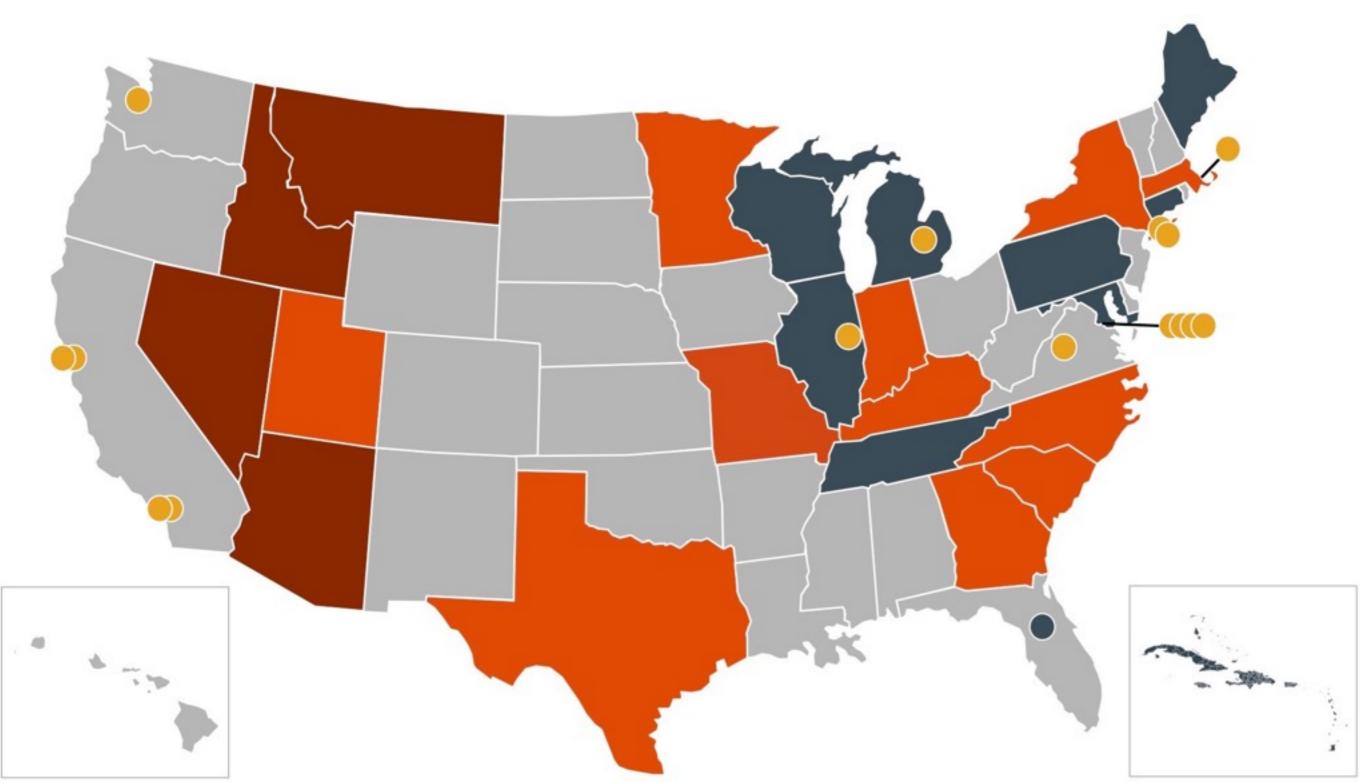
US Government Publishing Office (GPO) National Archives & Records Admin. University of Southern California Biodiversity Heritage Library U of I at Urbana-Champaign The New York Public Library Harvard University Library California Digital Library Smithsonian Institution University of Virginia J. Paul Getty Trust David Rumsey HathiTrust **ArtStor**





DPLA Hubs locations

- Service Hubs
- Service Hub partner states
- Content Hubs
- Hubs in active development



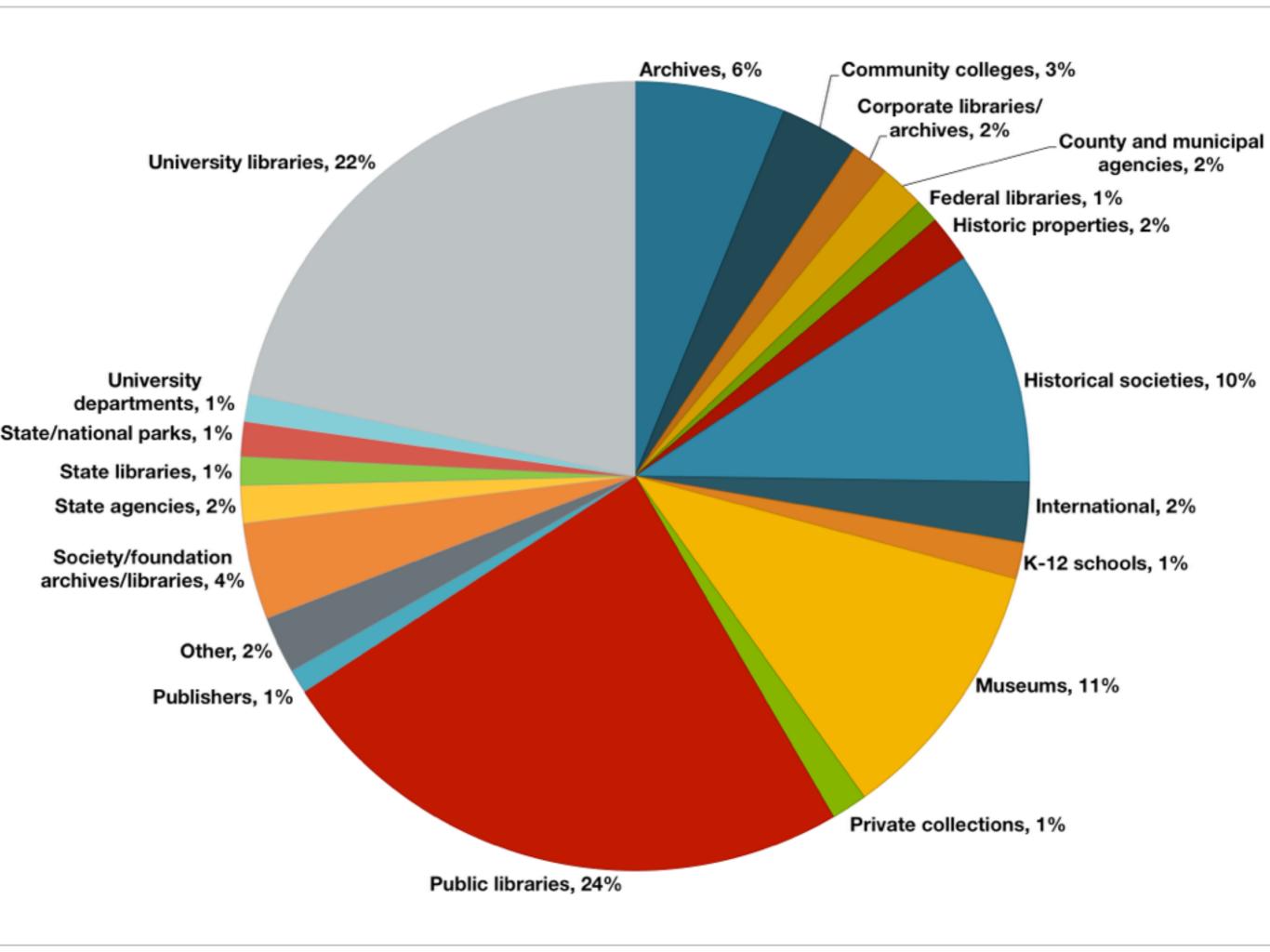
Current Hub Math

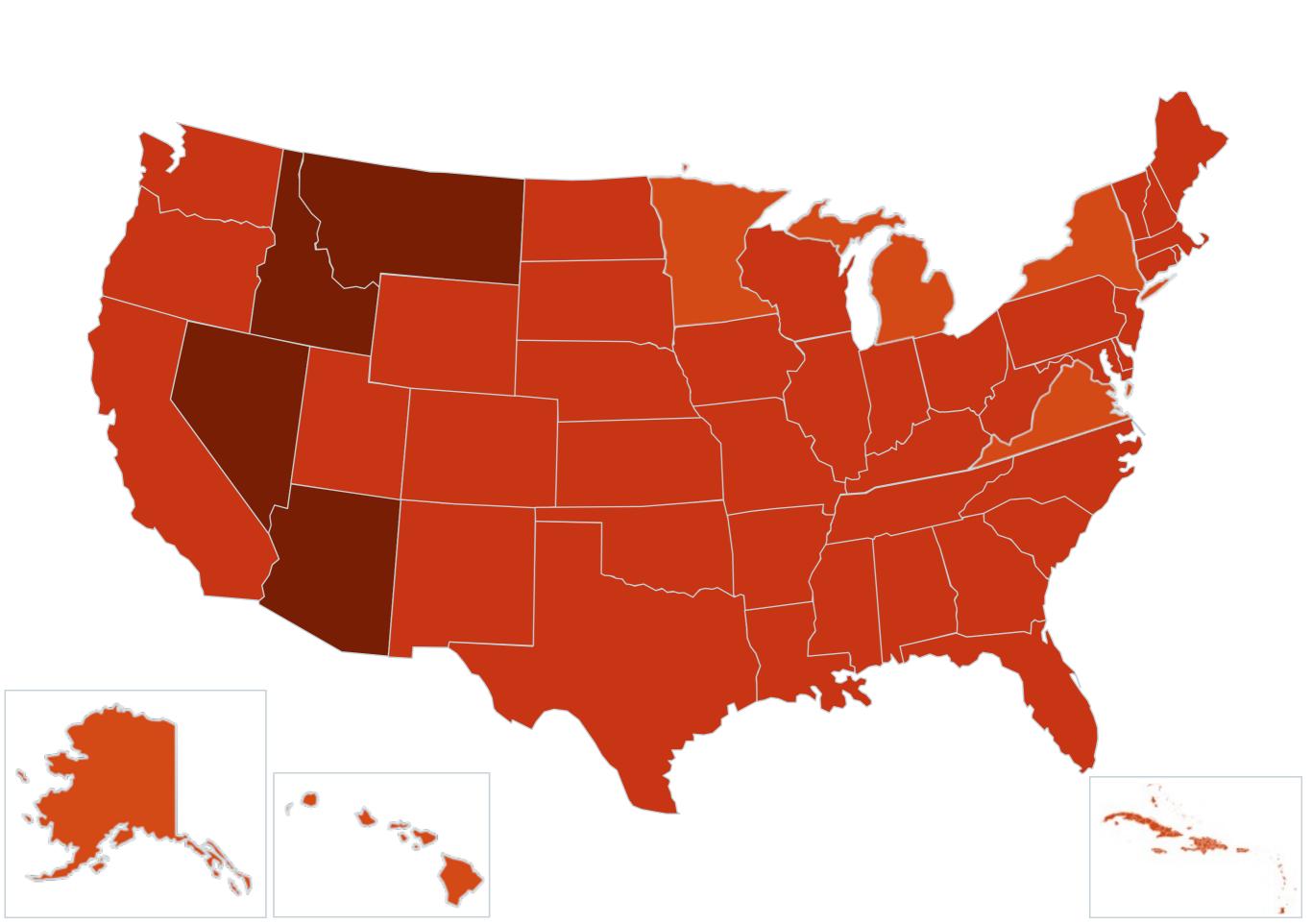
15 Content Hubs

+ 11 Service Hubs

1,600 Partners

Soon to be 19 Service Hubs and 16 Content Hubs







DPLA is a portal for discovery



A Wealth of Knowledge

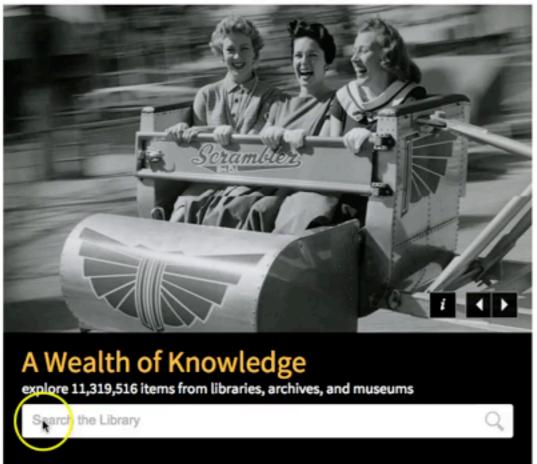
explore 11,029,969 items from libraries, archives, and museums

Search the Library





Exhibitions Timeline Bookshelf Apps



Exhibitions

View all »





Explore by Place

Explore by Date

Timeline »

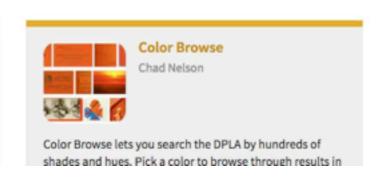


Apps

Reserviced within STREET The DPLA is a platform. Developers make apps that use the library's data in many different ways. Here are just a few. App Library »



link and organise data from two major cultural heritage



News









Humanities for All of Us: The NEH at 50

Sep 29

Help the Copyright Office Understand How to Address Mass Digitization

Sep 25

All News »

@dpla on Twitter

DPLA is a platform to build upon



http://dp.la/info/developers/







Metadata Games

Tiltfactor Labs

Metadata Games is a digital game platform for gathering data on photo, audio, and moving image artifacts. The platform entices players to visit archives and explore humanities content while contributing to vital records. Metadata Games is fueled in part by digital materials contained in DPLA via its partners.

App Home Page »



DPLA Search Widget

Dean Farrell and Josh Wilson

Search the DPLA right from your webpage in three easy steps! DPLA Search Widget allows you to easily install a DPLA search box on your website or WordPress pages.

App Home Page »



EBSCO Discovery Service and DPLA Highlights **EBSCO**

Include content from the DPLA in your EBSCO Discovery Service (EDS) profile in the form of a widget on the right side of your screen.

App Home Page »



DPLA Discovery

Steven Anderson, Tom Morris, and Chris Strauber

DPLA Discovery is a widget that aims to provide multiple discovery interfaces in javascript that can be used in any website.

App Home Page »



DPLA by County and State

Chad Nelson

DPLA by State and County allows you to see how well the DPLA represents each state and each county within a state.

App Home Page »



Serendip-o-matic

One Week | One Tool, Roy Rosenzweig Center for History and New Media at George Mason University

Serendip-o-matic connects your sources to digital materials located in libraries, museums, and archives around the world, including the DPLA, Europeana, and Flickr Commons.

App Home Page »



Culture Collage

Monique Szpak

Culture Collage is a simple tool that lets you search the Digital Public Library of America's image archive and view the results as a streaming river of images, just keep scrolling to fetch more.



OpenPics

Say Goodnight Software / PJ Gray

An open source iOS application for viewing images from multiple remote sources. Available for iPhone/iPad on the app store, or get the source code on GitHub!

App Home Page »



DPLAbot

Mark Sample

@DPLAbot is a Twitter bot that tweets links to random items located in the vast collections of the Digital Public Library of America (DPLA).

App Home Page »







Search DPLA and Europeana



Go! mississippi

1980

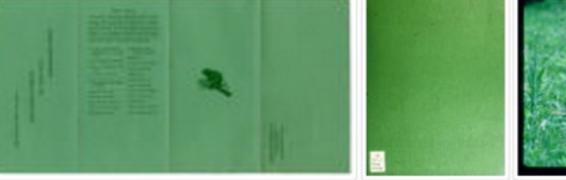
2000

36090 results found. 24090 images 10172 texts Subjects Date range 600 Shipyards--Indiana--Evansville -- 2269 400 Shipbuilding--Indiana--Evansy 200 -Portrait photographs -- 1416 1840 1860 1880 1900 1820 1920 1940 1960 Archaeology -- 1379 ["Mississippi"] Facilities -- 1277 People -- 1203 University of Washington Mississippi -- 1141 ["Mississippi"] Rivers -- 1087 ["Dorothea Lange"] Women -- 1058 ca. 1938 Animalia -- 1046 California Digital Library African Americans -- 971 MPR News -- 891 United States--History--Civil War, 1861-1865 -- 877 ["Mississippi"] Bureau Of American Ethnology -- 873 ["C.S. Hammond & Company"] Dwellings -- 852 [1905...1925] Hurricane Katrina, 2005 -- 842 Map shows early twentieth century Mississippi railroads, rivers, cities and towns. Relief shown by hachures. Scale [ca. 1:3,200,000]. The Portal to Texas History Group portraits -- 833 Housing areas -- 721 ["Mississippi"] Nature -- 698 1985 Approved effective, September 4, 1980; current through August 12, 1985. Older people -- 684 HathiTrust African Americans--Mississippi -- 600 Authors -- 548 Mississippi Texas A & M University -- 520 ["Tilden, Samuel J. (Samuel Jones) (1814-1886)"] 1876-1876 Continental Shelf Associates for BLM/ MMS -- 520 The New York Public Library Vicksburg (Miss.) -- 468 Musicians -- 433 Demonstrations--Mississippi--Jackson -- 417 Civil rights demonstrations--Mississippi--Jackson -- 401 United States -- 388 On the Mississippi Transportation. Water. River and lake. Steamboats. -- 386 The New York Public Library Photographs -- 383 Objects -- 379 African American musicians--Mississippi -- 363 Mississippi United States. Railroad Administration Bridge -- 357 Biodiversity Heritage Library Civil rights movements--Mississippi--Jackson -- 347 Freedom Rides, 1961 -- 344 Buildings -- 343 ["On the Mississippi"] Animals -- 340 "Carroll, Harry, 1892-1962 (composer)"] South Carolina Digital Library Passive resistance--Mississippi--Jackson -- 339 Cnidaria -- 337 Religious facilities -- 334



["The Mississippi"] ["Greene, F. V. (Francis Vinton), 1850-1921"] 1882 HathiTrust

Anthozoa -- 334 Arrest--Mississippi--Jackson -- 329 Hats -- 328 Stereoscopic views -- 326 Identification photographs--Mississippi--Jackson -- 324 Bodies of water -- 320 Disaster relief -- 302 African American musicians -- 301

















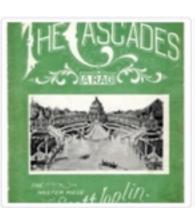


















































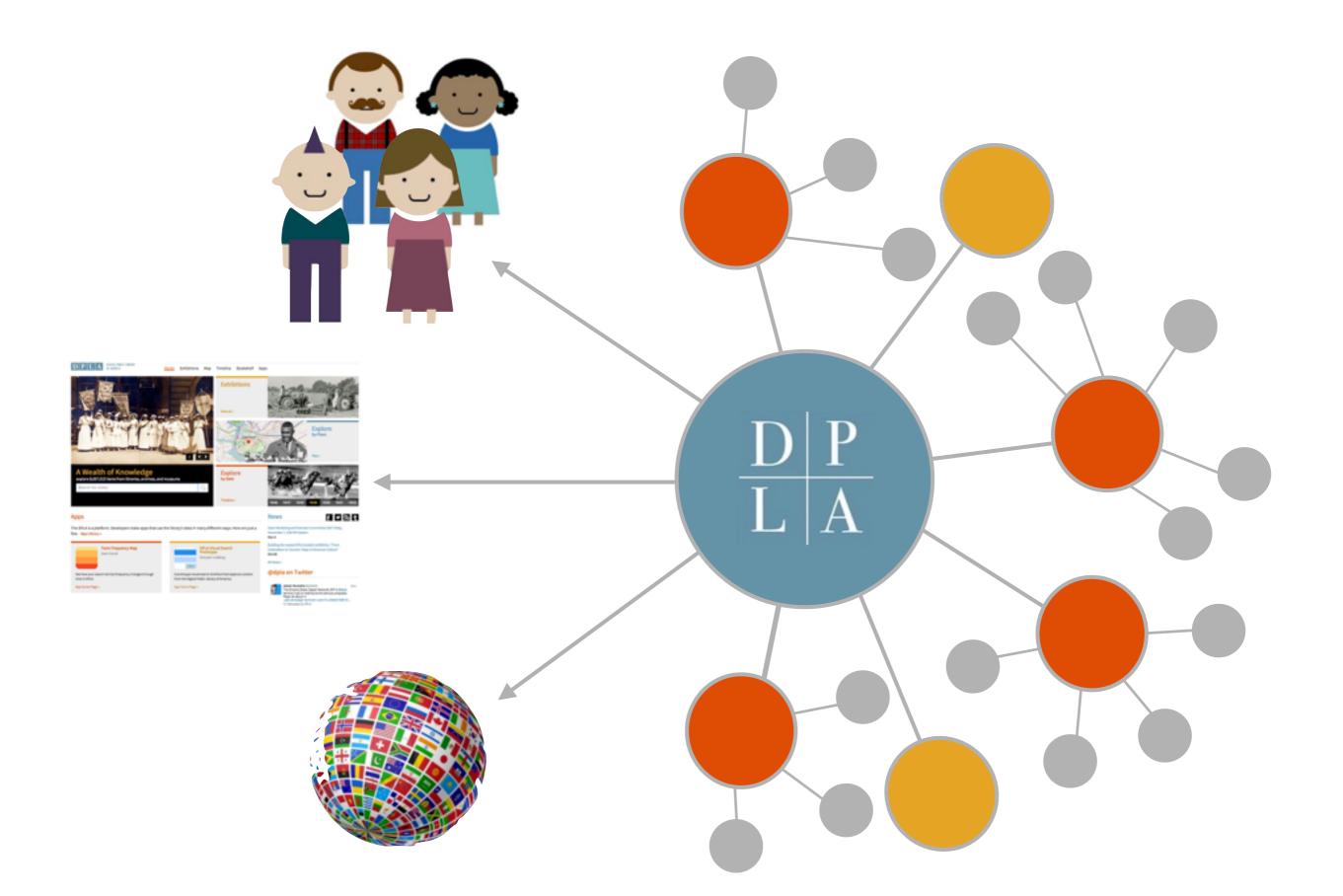




Endless possibilities

JSON-LD out

Metadata in





DPLA is an advocate for a strong public option

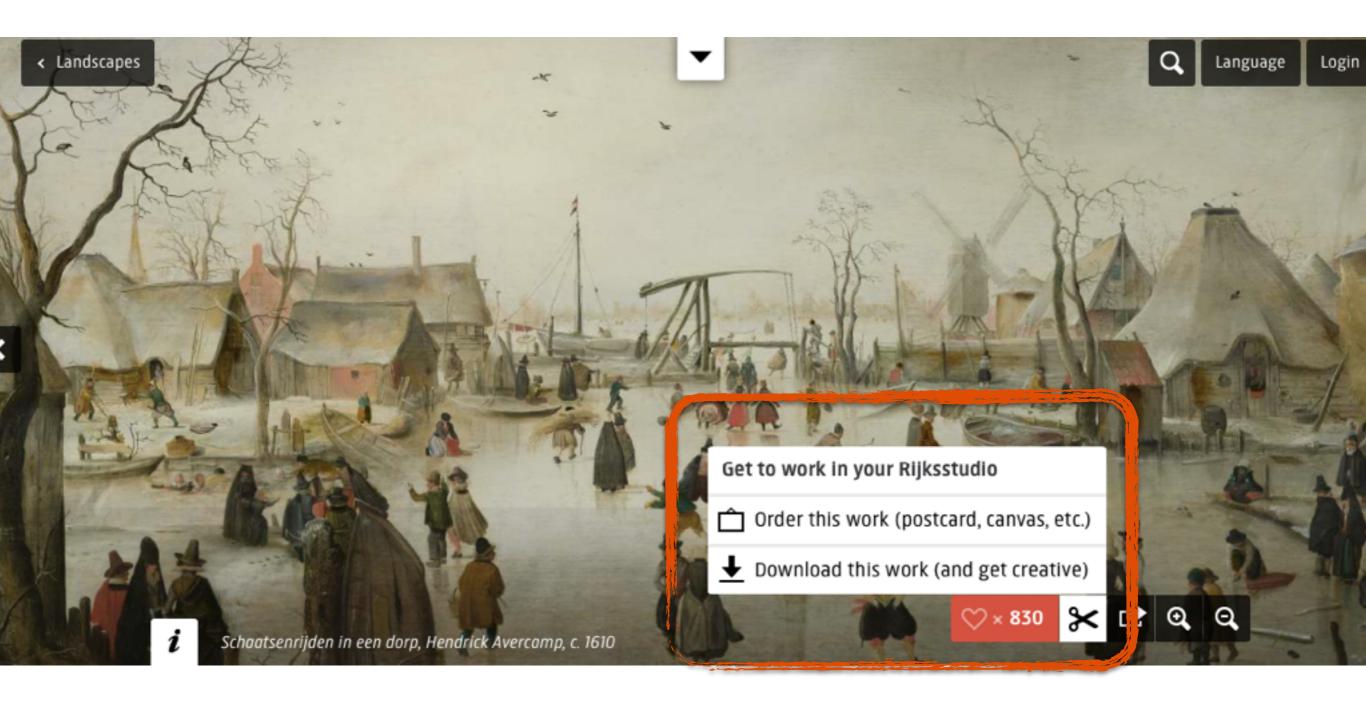


DPLA believes in being a voice for **best** practices in GLAMs and

we want our partners to join us through advocacy and implementation.

Together, we want to promote maximal openness and reuse.

What delivery expectations do our users have?



https://www.rijksmuseum.nl/en/explore-the-collection/works-of-art/landscapes/objects#/SK-A-1320,3

PER Security founds. New Ornaural Contracts. Security of the Contract Contracts of the Contract Contract Contracts of the Contract Contract Contracts of the Contract Contracts of the Contract Contract Contract Contracts of the Contract C

Central Fire Station, 300 Block Decatur Street, 1928-1932.

the power of reuse

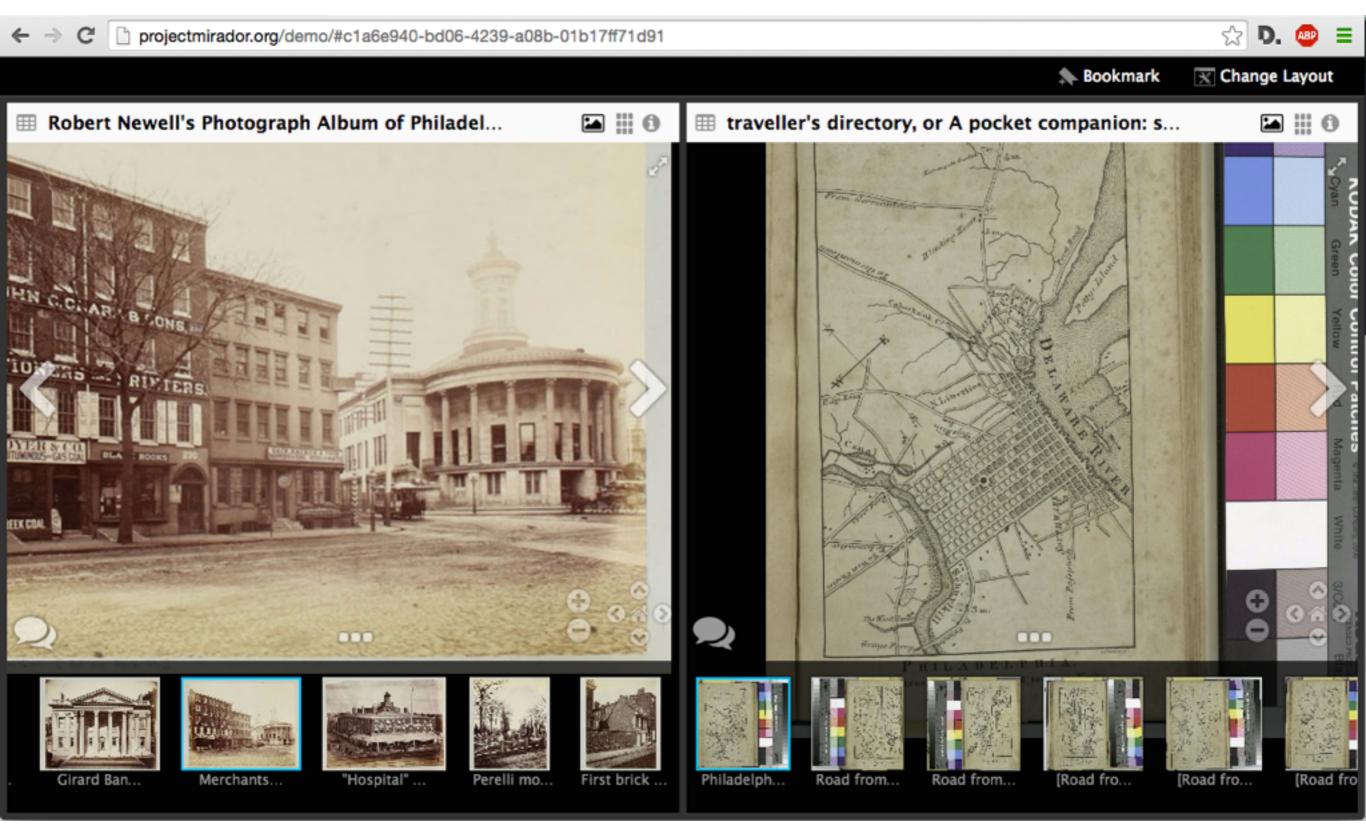


Up Carondelet Street from the 100 Block, 1921-1925.



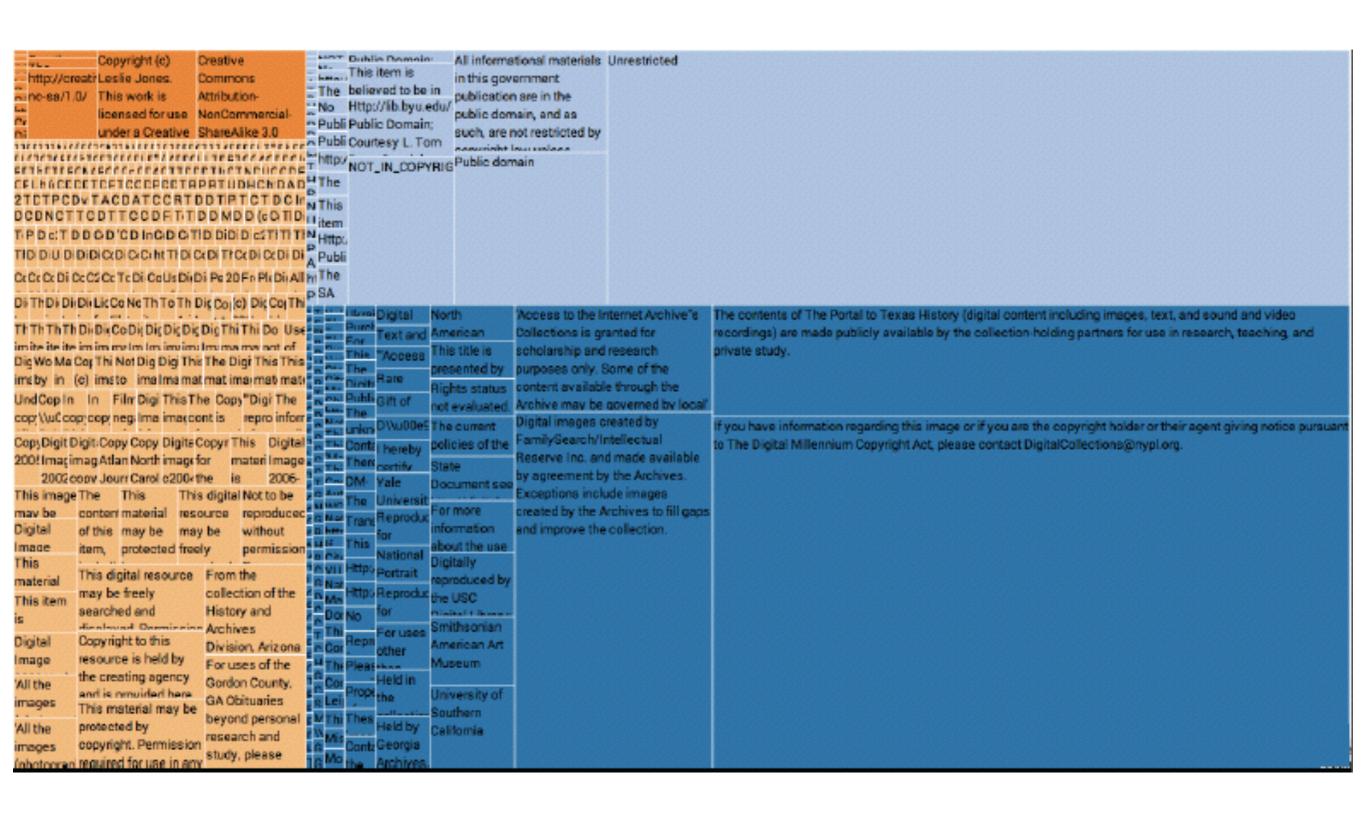
Mar - Jean Apartments, 1002 Esplanade Avenue, 1941.

Project to watch out for



IIIF - http://iiif.io/

90,000+ different rights statements



Moose Creek (Idaho)





Creator	Shattuck, C. H
Created Date	1904-1910
Partner	Mountain West Digital Library
Contributing Institution	University of Idaho Library

View Object

Description

Mature Cedar, Moose Creek, Idaho. Some photographs appear in a report from C. H. Shattuck, University of Idaho, Dept. of Forestry to Major F.A. Fenn, Supervisor, Clearwater National Forest (Day-NW SD428.C55S5) and in an article by C. H. Shattuck at the UI Agricultural Experiment Station Bulletin no. 91, Dec. 1916 (Idaho S 53 E416). Jp2 grayscale, enhanced image displayed. Scanned with Epson Expression 1640XL scanner. Master file is a 1000 dpi ... more -

Location	United StatesIdaho
Туре	image
Subject	The state of the s
Rights	Digital image copyright 2010, The University of Idaho. All rights reserved. For more information contact Special Collections and Archives, University of Idaho Library, Moscow, ID 83844-2350; http://www.lib.uidaho.edu/special-collections/.
URL	http://utan-primoprod.nosted.extibrisgroup.com/primo_uprary/upweb/action/dibisplay.do?

vid=MWDL&afterPDS=true&docId=digcoll_uid_36spec_cs/36

Copyright Term and the Public Domain in the United States 1 January 2015¹

Never Published, Never Registered Works ²				
Type of Work	Copyright Term	What was in the public domain in the U.S. as of 1 January 2015 ³		
Unpublished works	Life of the author + 70 years	Works from authors who died before 1945		
Unpublished anonymous and pseudonymous works, and works made for hire (corporate authorship)	120 years from date of creation	Works created before 1895		
Unpublished works when the death date of the author is not known ⁴	120 years from date of creation ⁵	Works created before 1895 ⁵		
	Works Registered or First Published in the U.S.			
Date of Publication ⁶	Works Registered or First Published in the U.S.	Copyright Term ³		
Date of Publication ⁶ Before 1923		Copyright Term ³ None. In the public domain due to copyright expiration		
	Conditions ⁷			
Before 1923	Conditions ⁷ None	None. In the public domain due to copyright expiration None. In the public domain due to failure to comply with		

http://copyright.cornell.edu/resources/ publicdomain.cfm

rightsstatements.org

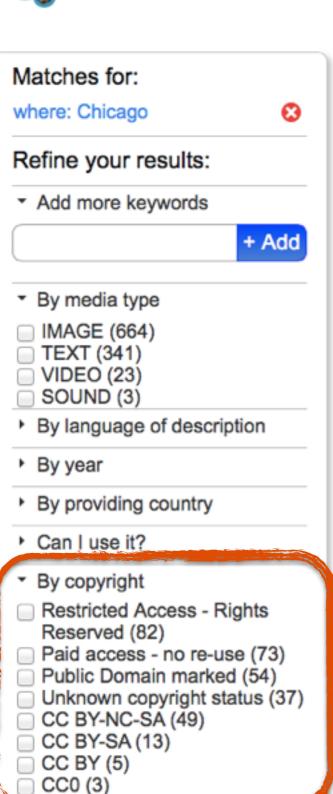
Launch Date Expected Dec 31, 2015







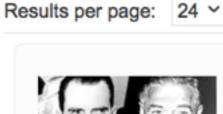




By provider

By data provider

a





Conventie van Rep.
Party te Chicago



Frederic Berbigier (links), commiss...



Results 1 - 24 of 1.031

"Kapitein Sander Klein, gezagvoerder va...



Water-motorfiets, demonstratie va...



of 43 > >>



Skien, Gemotoriseerde skis uitgevonden...



Richard Daley van Chicago, die lan...





Intercontinental ballistic Missile U.S. Air ...



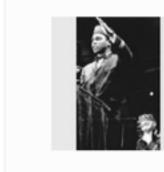
∞

Championship Baltimore-Oricle...

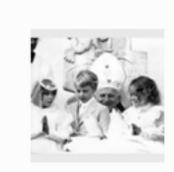


In de nacht van maandag op din...

∞⁄



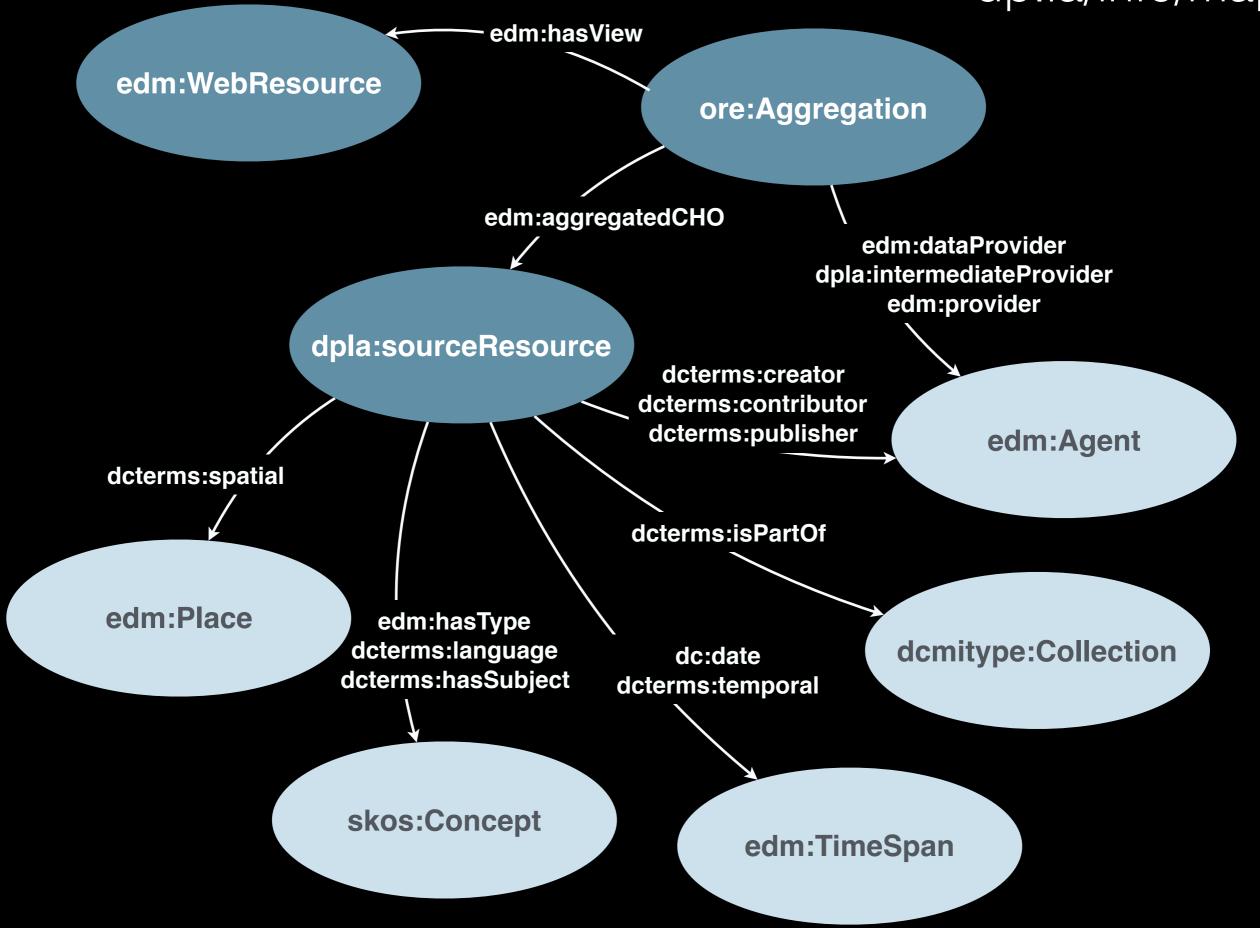
Leider van de Zwarte Moslims Elijah ...



Ojciec Świety z dziećmi



dp.la/info/map/

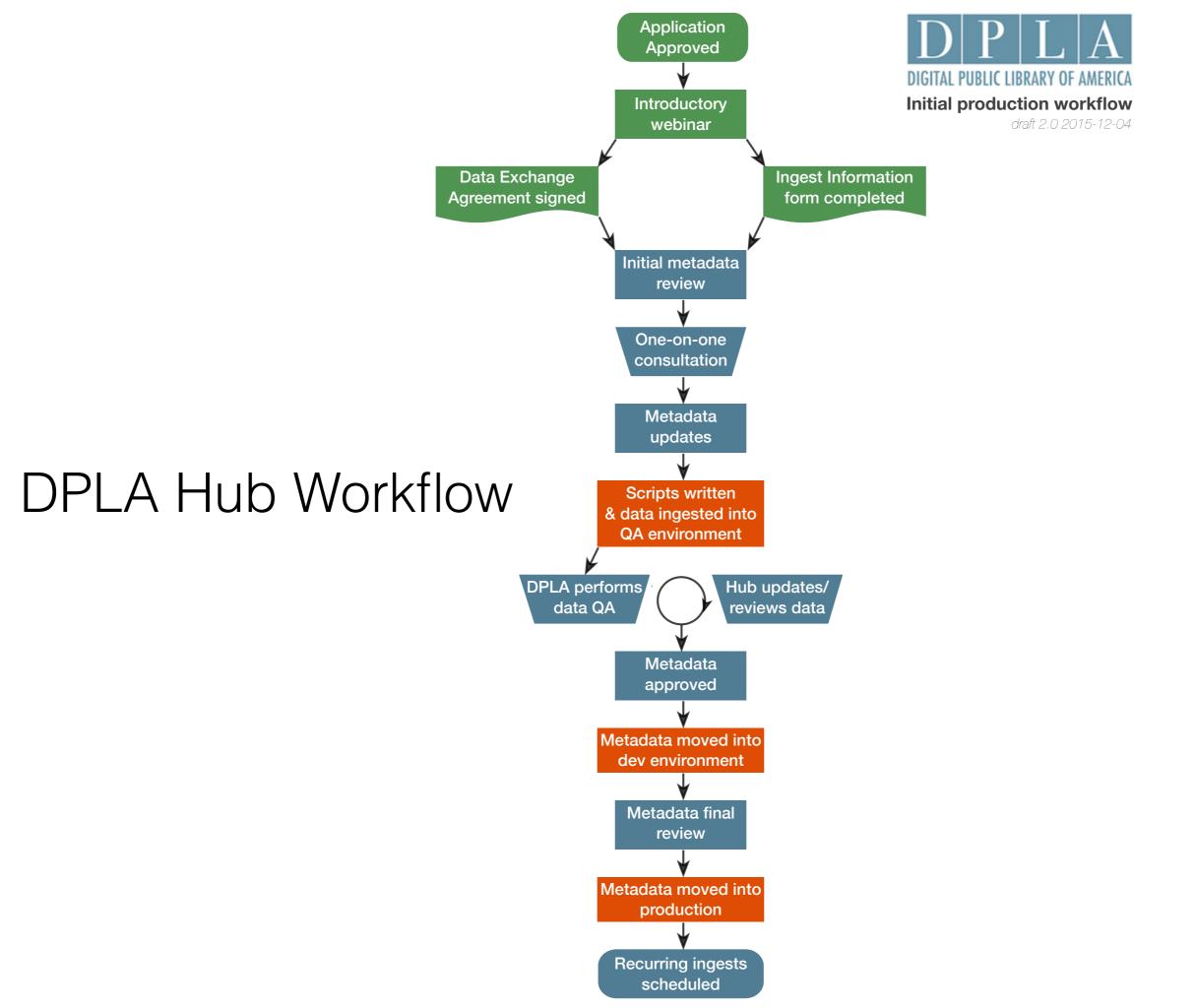












Bernardia dodecandra McVaugh

Save To...

Share



Partner Smithsonian Institution

Contributing NMNH - Botany Dept.
Institution



Description

1. Available for transcription. 14 Jul 2015.

Location	Mirador, Mexico, North America			
Туре	image			
Subject	Euphorbiaceae			
	Euphorbiales			
	Crowdsourcing Project			
	Bernardia dodecandra McVaugh			
	Liebmann,			
	Dicotyledonae			
	Plantae			
URL	http://collections.si.edu/search/results.htm?			
	q=record_ID%3Anmnhbotany_11455013&repo=DPLA			



Achillea millefolium L

View Object

Description 1. 20 Sep 2012. Created Date Jul 1833

Partner Smithsonia

Contributing

Institution

Smithsonian Institution

NMNH - Botany Dept.

Save To...

Share

Created Date

Jul 1833

View on timeline »



Location	Germany	
Туре	image	

Subject

Common Yarrow

Achillea millefolium L

Medicinal Plants of Antiquity

Common yarrow (red)

Sereno de invierno

Asterales

Daz-roh

Yarrow

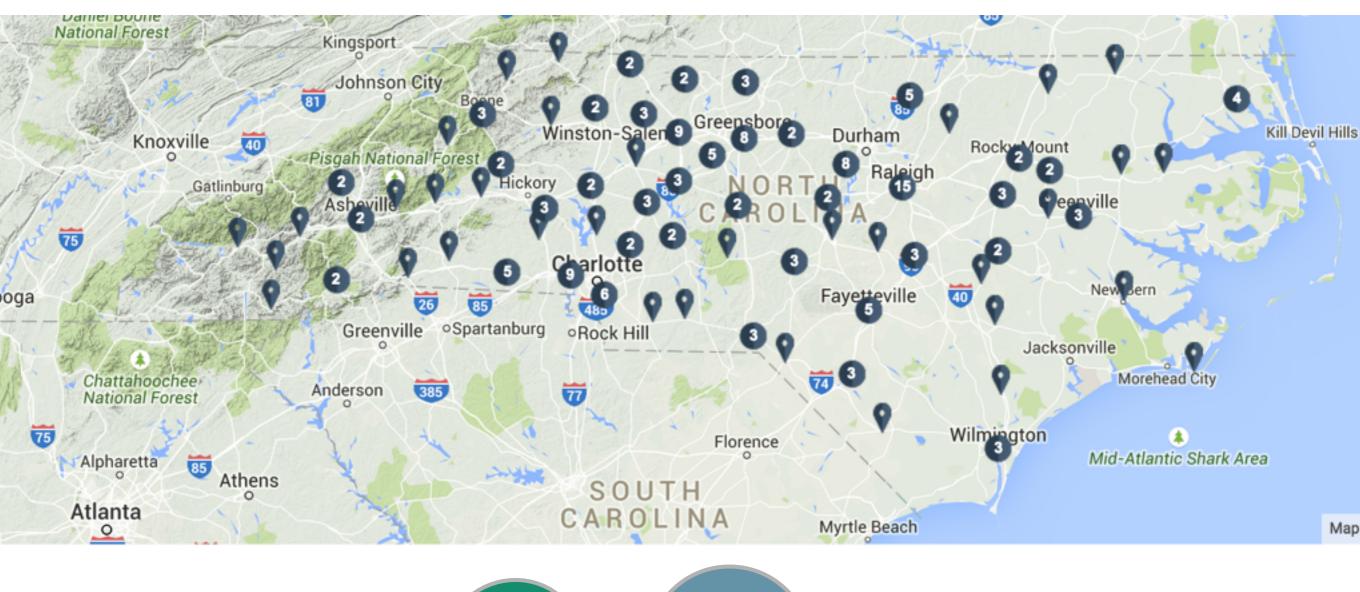
Asteraceae

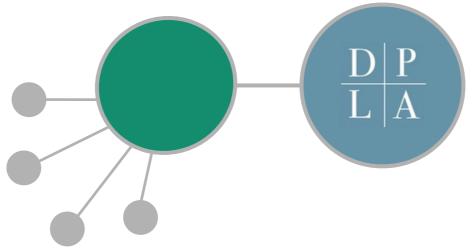
Dicotyledonae

Plantae

URL http://collections.si.edu/search/results.htm? q=record_ID%3Anmnhbotany_2836858&repo=DPLA

```
id: "ea8abace23b11807d011b4b29c7940e5",
- sourceResource: {
     title: "Honor Guard Carrying Harry S. Truman's C ket"
   - contributor: [
         "Schrepfer, Cecil (Cecil H.), 1913-1989"
     1,
   - subject: [
            name: "Ex-presidents"
         },
            name: "Funeral rites and ceremonies"
         },
            name: "Military funerals"
         },
            name: "Presidential libraries"
     1,
   - rights: [
         "Unrestricted"
     1,
   - relation: [
         "Photographs Relating to the Administration, Family, and Personal Life of Harry S. Truman, 1957 - 20
     1,
   - collection: {
         id: "c1341cba2584541880f87fb2aebff201",
         title: "Audiovisual Collection, 1957 - 2006",
         @id: "http://dp.la/api/collections/c1341cba2584541880f87fb2aebff201"
     },
   - stateLocatedIn: {
       - name: [
```









Rights Statements

A project of DPLA and Europeana.





This project is lead by the above organizations. Creative Commons is providing advice and support.

Statements at rightsstatements.org

DPLA Label	Equivalent Element	Requirement
Alternative title	dcterms:alternative	Optional
Collection	dcterms:isPartOf	Recommended
Contributor	dcterms:contributor	Optional
Creator	dcterms:creator	Recommended
Date	dc:date	Recommended
Description	dcterms:description	Recommended
Extent	dcterms:extent	Optional
Format	dc:format	Recommended
Genre	edm:hasType	Optional
Identifier	dcterms:identifier	Optional
Language	dcterms:language	Recommended
Place	dcterms:spatial	Recommended
Publisher	dc:publisher	Recommended
Relation	dc:relation	Optional
Replaced by	dcterms:isReplacedBy	Optional
Replaces	dcterms:replaces	Optional
Rights	dc:rights	Required
Rights Holder	dcterms:rightsholder	Optional
Subject	dcterms:subject	Optional
Temporal Coverage	dcterms:temporal	Optional
Title	dcterms:title	Required
Туре	dcterms:type	Recommended

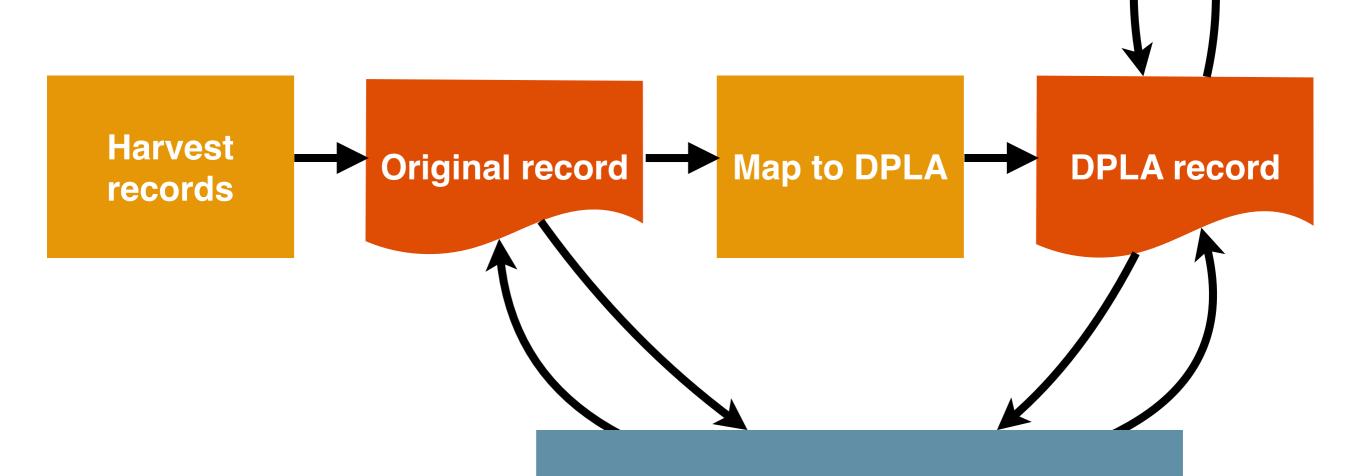
DPLA Label	Equivalent Element	Requirement
Aggregated SR	edm:aggregatedCHO	Required
Data Provider	edm:dataProvider	Required
Digital Resource Original Record	dpla:originalRecord	Required
Has View	edm:hasView	Optional
Intermediate Provider	dpla:intermediateProvider	Optional
Is Shown at	edm:isShownAt	Required
Object	edm:object	Optional
Preview	edm:preview	Required
Provider	edm:provider	Required
Standardized Rights Statement	edm:rights	Required

Metadata standards?

Different da Insufficient granularity Missing values **Confusing values** Inappropriate field use Rights statements

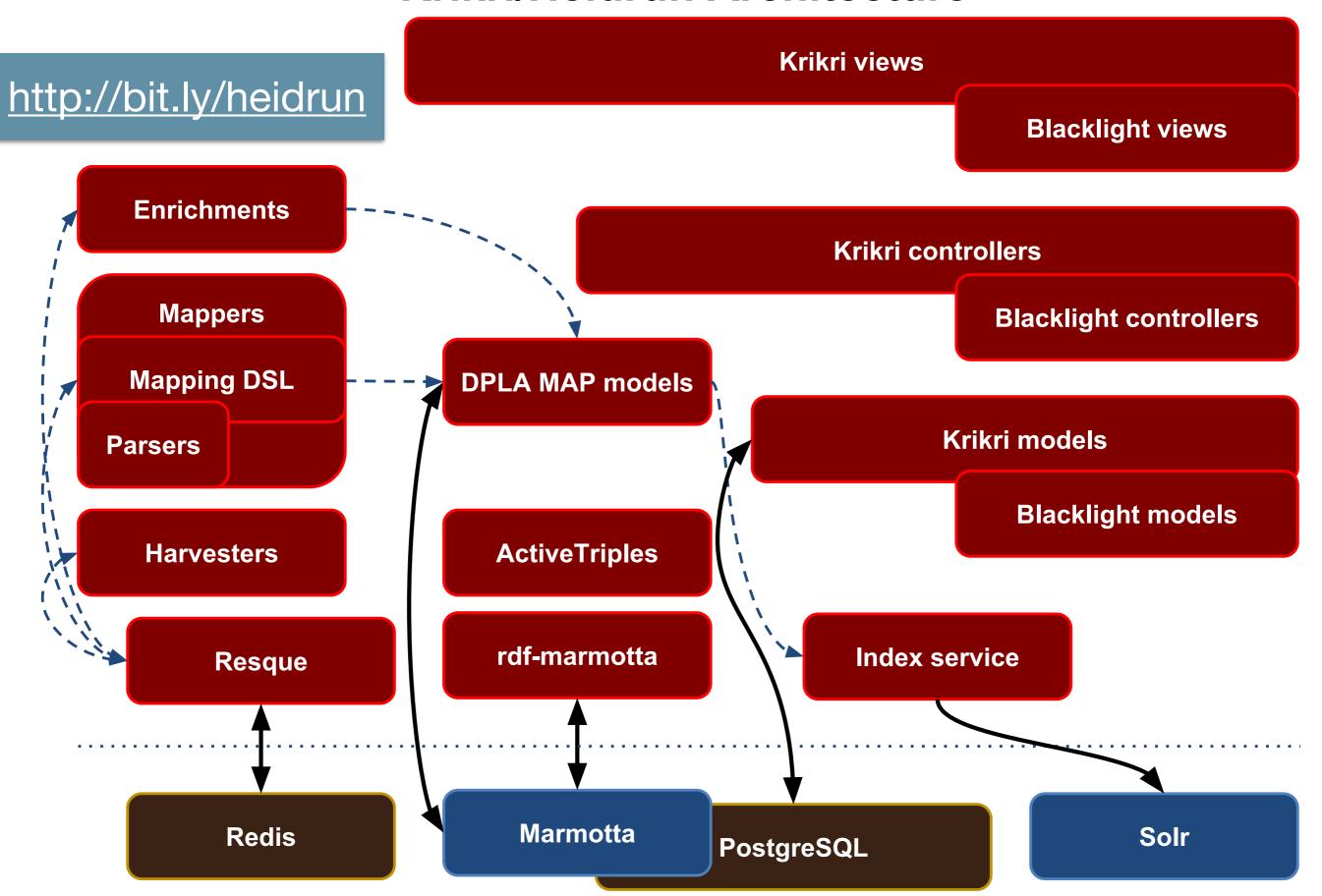
Ingestion Process

Enrichment



Marmotta LDP server & triple store

Krikri/Heidrun Architecture



Language to ISO

Spatial enrichments

Split at delimiter

Remove empty fields

Strip HTML

Strip whitespace

Strip leading punctuation

Strip ending punctuation

Strip line breaks

De-duplicate

Parse date

DCMIType map

MARCXML - genre

LCSH geographic

Parse DC:Coverage

Truncate DC:Description

Split coordinate sets

Convert all caps

Aggregation: Future plans

Tools to automate and ease workflow

- QA reports that target common ingestion errors.
- Ingestion dashboard for scheduling and monitoring harvests.
- Map harvested metadata to your RDF model.
- Enrich metadata by linking to other RDF sources.

Thank You!

Mark A. Matienzo < mark@dp.la > Digital Public Library of America