

Ponds, Lakes, Ocean: Pooling Digitized Resources and DPLA



Exhibitions

[View all »](#)

Explore by Place

Map »

A map showing the location of Clemson, South Carolina, with a red dot. To the right is a portrait of a man in a suit, likely a historical figure associated with the location.

A Wealth of Knowledge

explore 20,596,496 items from libraries, archives, and museums

Explore by Date

Timeline »

1946 1947 1948 **1949** 1950 1951 1952

A black and white photograph of a horse race in progress, with several horses and jockeys running on a track.

Emily Jaycox, Missouri Historical Society
SLRLN Tech Expo 2018

Reflections on the digital world





Librarian

So many libraries
have digitized
amazing primary
source documents
and images!

Who can keep
track of all the
good websites to
recommend?



Library with digital content

We've digitized
lots of our
most amazing
collections!

Not enough
people know that
they're available!

Library funding agency



We've spent lots of (taxpayer) resources helping libraries digitizing their amazing collections!

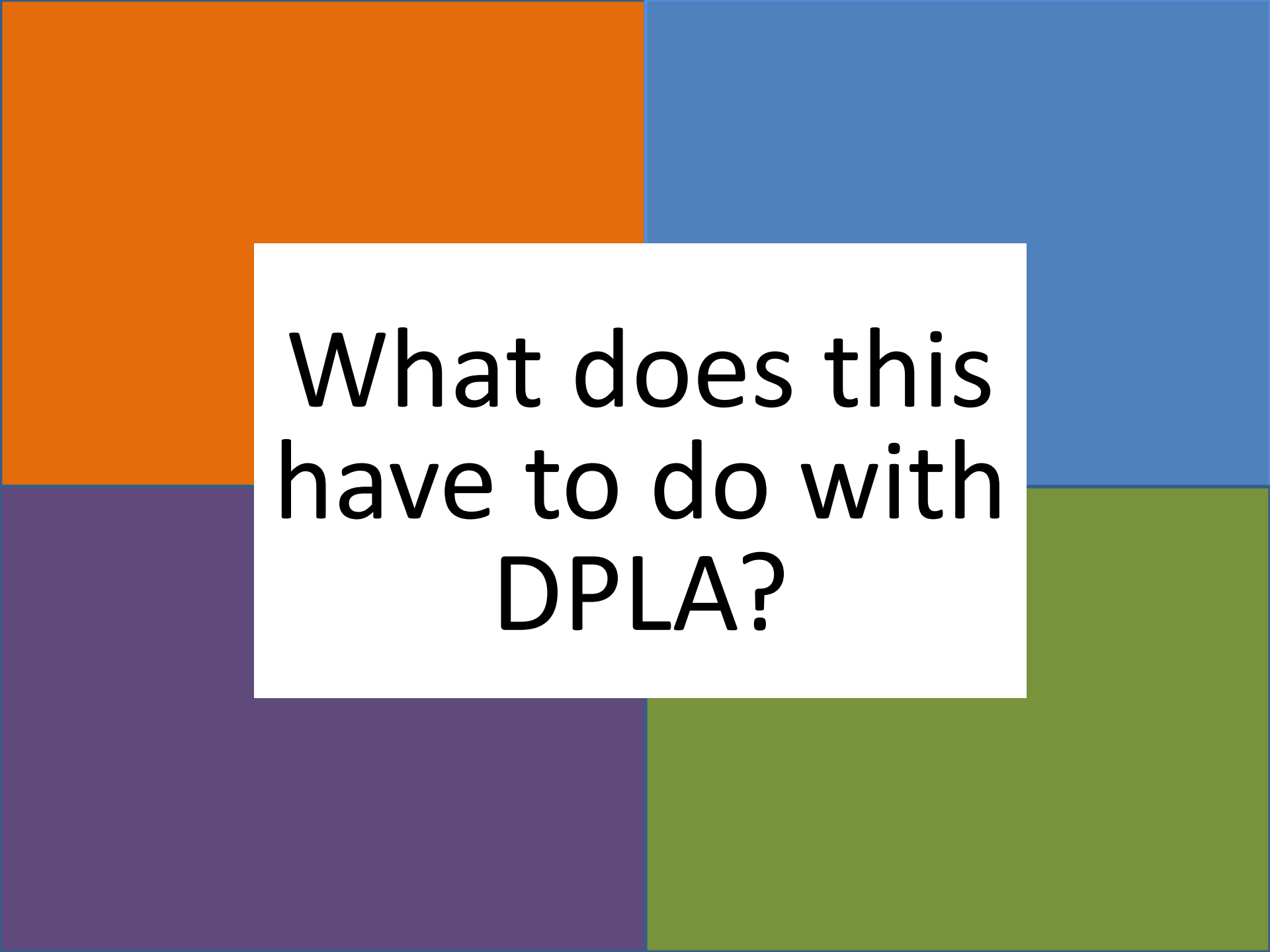
Not enough people know that they're available!
Poor return on investment!

Library user



There's so
much great
stuff on the
web!

How can I easily
find quality
research materials
that are free?



What does this
have to do with
DPLA?



Bringing together the riches of America's libraries, archives, and museums to make them freely available to the world

visit **dp.la**

DPLA's front end searches across numerous collections, with an opportunity to dive deeper when you find something of interest.



[View all »](#)



[Explore by Place](#)

[Map »](#)

A Wealth of Knowledge

explore 16,907,609 items from libraries, archives, and museums

Search the Library



[Explore by Date](#)

[Timeline »](#)



1946 1947 1948 **1949** 1950 1951 1952

Why might you point a patron to DPLA?

What are entry points into DPLA resources to share with patrons?

How can you support patrons in interacting with DPLA resources?



Visit dp.la



A Wealth of Knowledge

explore 17,783,019 items from libraries, archives, and museums



Narrow results by:

Subject

Location

Language

Contributing Institution

Partner

Type (format)

Date

Visit dp.la

Exhibitions

[View all »](#)



Explore by Place

[Map »](#)

Explore by Date

[Timeline »](#)



Visit dp.la



**Building the First
Transcontinental Railroad**



**America during the 1918
Influenza Pandemic**



**American Aviatrices: Women
with Wings**

Over two dozen exhibits that “are designed to tell stories of national significance using source material from libraries, archives, and museums across the United States...”

Visit dp.la

American Aviatrices: Women with Wings



"Katherine Stinson preparing biplane for takeoff,"
1908. Courtesy of the Missouri History Museum via the Missouri Hub.

Throughout the early twentieth century, women looked to break new ground in ways never before possible, and the sky literally became the limit. As the nation moved into the aviation age, many women saw flying as a way to break out of traditional societal roles. It gave women not just an opportunity for adventure and excitement, but a way to earn a living outside of the home that demanded respect.

Aviatrice Ruth Bancroft Law described it, after defeating the cross-country distance record: "There is an indescribable feeling which one experiences in flying; it comes with no other form of sport or navigation. It takes courage and daring; one must be self-possessed, for there are moments when one's wits are tested to the full. Yet there is an exhilaration that compensates for all one's efforts."

In this exhibition we explore the early history of aviation and the courageous women who took to the skies—aviatrices who found freedom, broke new ground, and inspired generations of women along the way.

Credits

This exhibition was created as part of the DPLA's Digital Curation Program by the following students as part of Professor Debbie Rabina's course "Information Services and Sources" in the School of Information and Library Science at Pratt Institute: Megan DeArmond, Diana



The Development of
Aviation



First Aviatrices



Daredevils




Women Air Force
Service Pilots
(WASPs)

Introduction and Categories

Visit dp.la

Marie Meyer standing on the wings of a bi-plane being flown past the Railway Exchange Building by her husband Charles Fowler as part of a Marie Meyer Flying Circus performance, July 1924



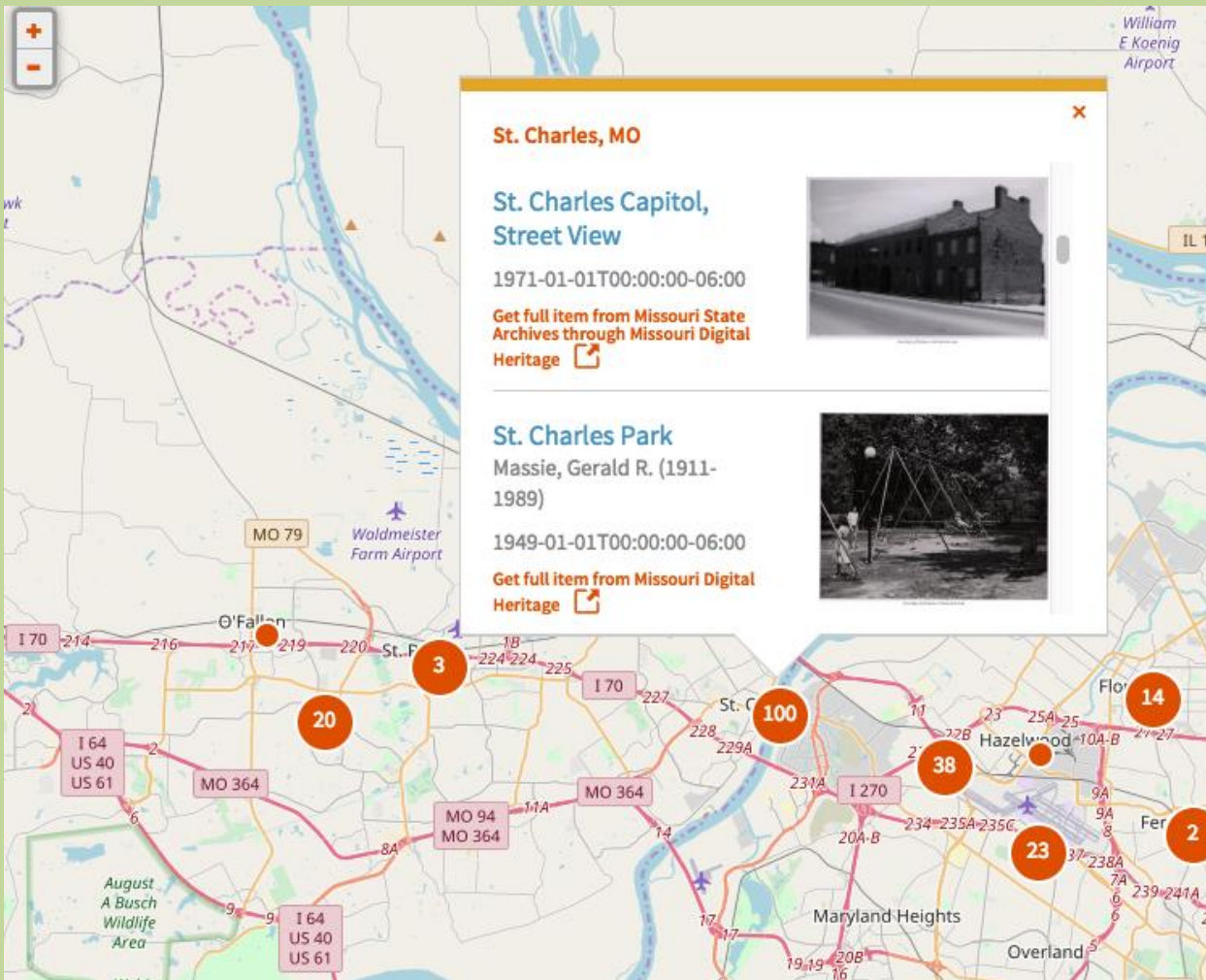
Get full item from Missouri History Museum 

Partner	Missouri Hub
Contributing Institution	Missouri History Museum
Format	Photograph/Pictorial Works
Subject	Aeronautics Transportation
Language	English
Rights	For rights relating to this resource, visit http://collections.mohistory.org/resource/148107

Patrons will want to click through for citation purposes.

Visit **dp.la**

Explore by Place

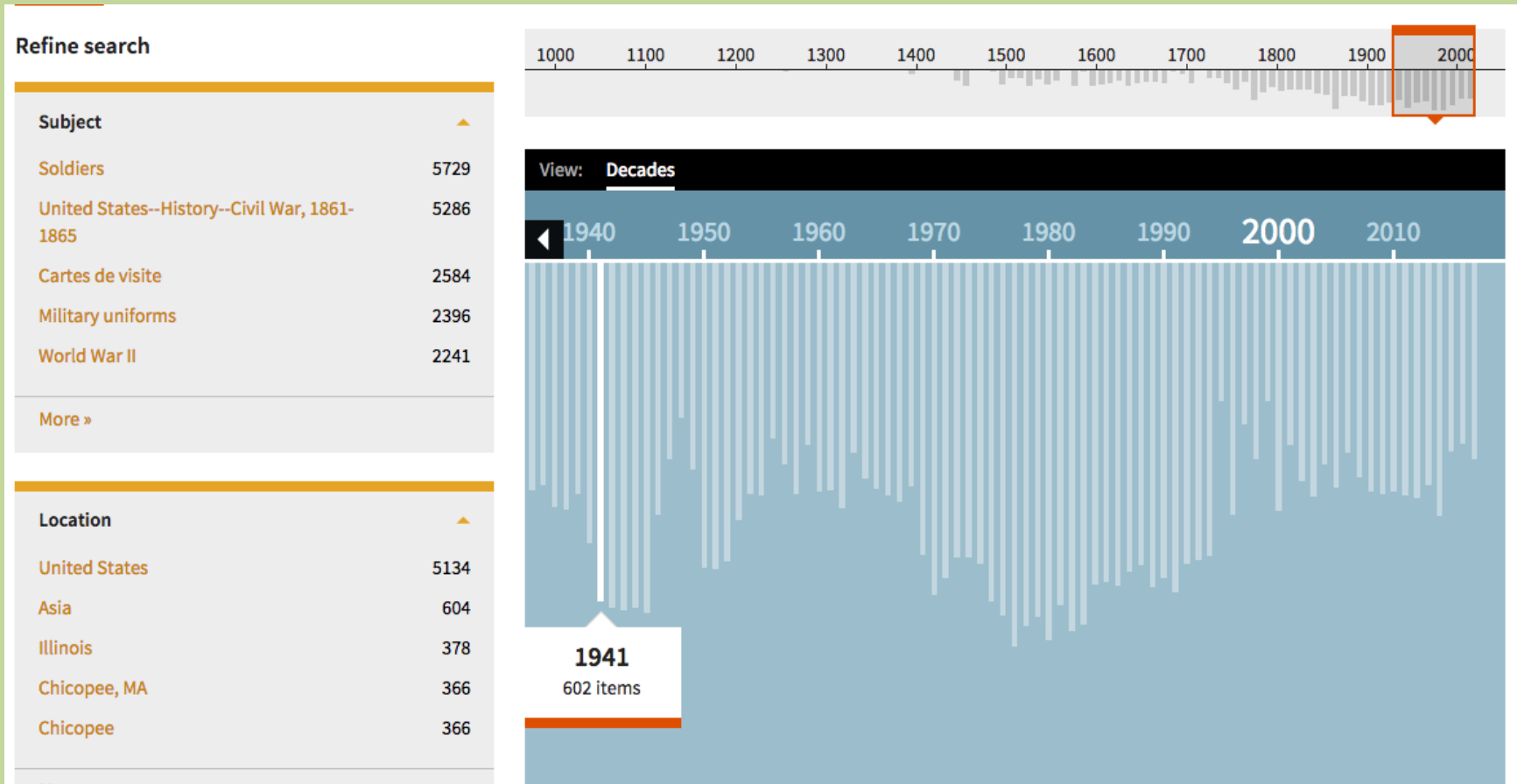


Great for patrons wanting to research “place” ex. Local history

Check the holder of the source before clicking through to check for location accuracy.

Visit dp.la

Explore by Date



Search for “soldier”

Visit dp.la



Explore by Date

Timeline

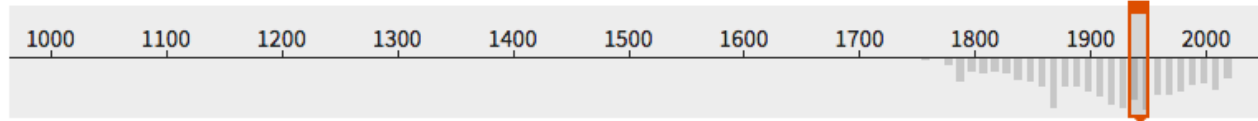
Your search for soldier returned 1,905 results with dates from over 120 contributing institutions

Refined by: image x United States x

< Hide

Refine search

Subject	▲
Soldiers	631
Soldier	492
Military	449
Men	383
World War II	374
More »	




View: **Decades** Years

1941

[1941..1943]

Photograph of a soldier standing near a lake. A handwritten note on the back of the photo says "My pal-Wendell Warner Crews at Dunbar Cave, Tenn."



[Get full image from The Portal to Texas History](#)

Continue to narrow by subject, format, or location. Scrub through timeline to modify results.

Visit **dp.la**

Subject: Time Period: Sort by:

 <p>Women in the Civil War</p> <p>Civil War and Reconstruction (1850-1877) US History</p> <p>Women</p>	 <p>Ida B. Wells and Anti-Lynching Activism</p> <p>The Emergence of Modern America (1890-1930) US History</p> <p>African Americans Women</p>	 <p><i>The Absolutely True Diary of a Part-Time Indian</i> by Sherman Alexie</p> <p>Contemporary United States (1968 to the present)</p> <p>American Literature Native Americans</p>
--	---	--

Topics frequently revolve around historic events, groups, individuals, or literature. Tags allow for grouping of related Primary Source Sets

Visit **dp.la**

Primary Source Sets



Warning: Not all sources in the Primary Source Sets may actually be described as Primary Sources.

An excerpt from “What women did for the war and what the war did for women,” a speech delivered by Josiah H. Benton, Jr. in 1894.

In PSS Women and the Civil War

Visit dp.la



Interacting with DPLA Sources

Print | Subscribe | Share/save | Give feedback

Using Primary Sources

[Using Primary Sources](#) | [Why Use Primary Sources](#) | [Citing Primary Sources](#) | [Copyright and Primary Sources](#)
[Finding Primary Sources](#) | [Teacher's Guides and Analysis Tool](#)



Using Primary Sources

Primary sources are the raw materials of history — original documents and objects which were created at the time under study. They are different from secondary sources, which are created from first-hand experience.

Examining primary sources | primary sources can also gu

Teacher's Guides and Analysis Tool

ping students analyze skills.

Before you begin:

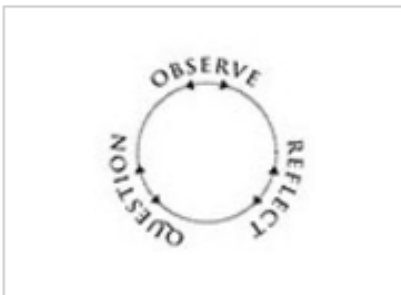
« [Back to Using Primary Sources](#) | [Why Use Primary Sources](#) | [Citing Primary Sources](#) | [Copyright and Primary Sources](#) | [Finding Primary Sources](#) | [Teacher's Guides and Analysis Tool](#)

- Choose at least two or
- Consider how students
- Identify an analysis toc

to students.

Analysis Tool for Students

[Primary Source Analysis Tool](#)
[PDF version](#) (56 KB)

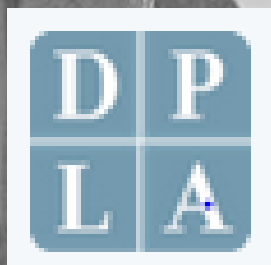


Library of Congress

Visit dp.la

Nice portal,
huh?

Where does all
that content
come from?



CONTENT HUBS – large providers



Smithsonian



New York
Public
Library



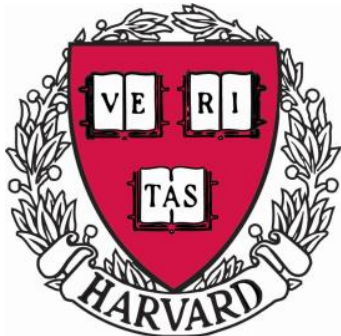
Biodiversity
Heritage
Library



University of California
CDL
California Digital Library



NATIONAL
ARCHIVES

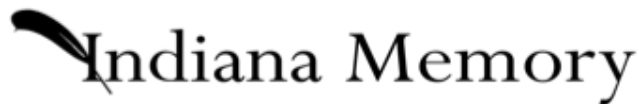


HATHI
TRUST



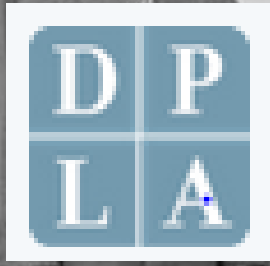
digital library

SERVICE HUBS - collaboratives



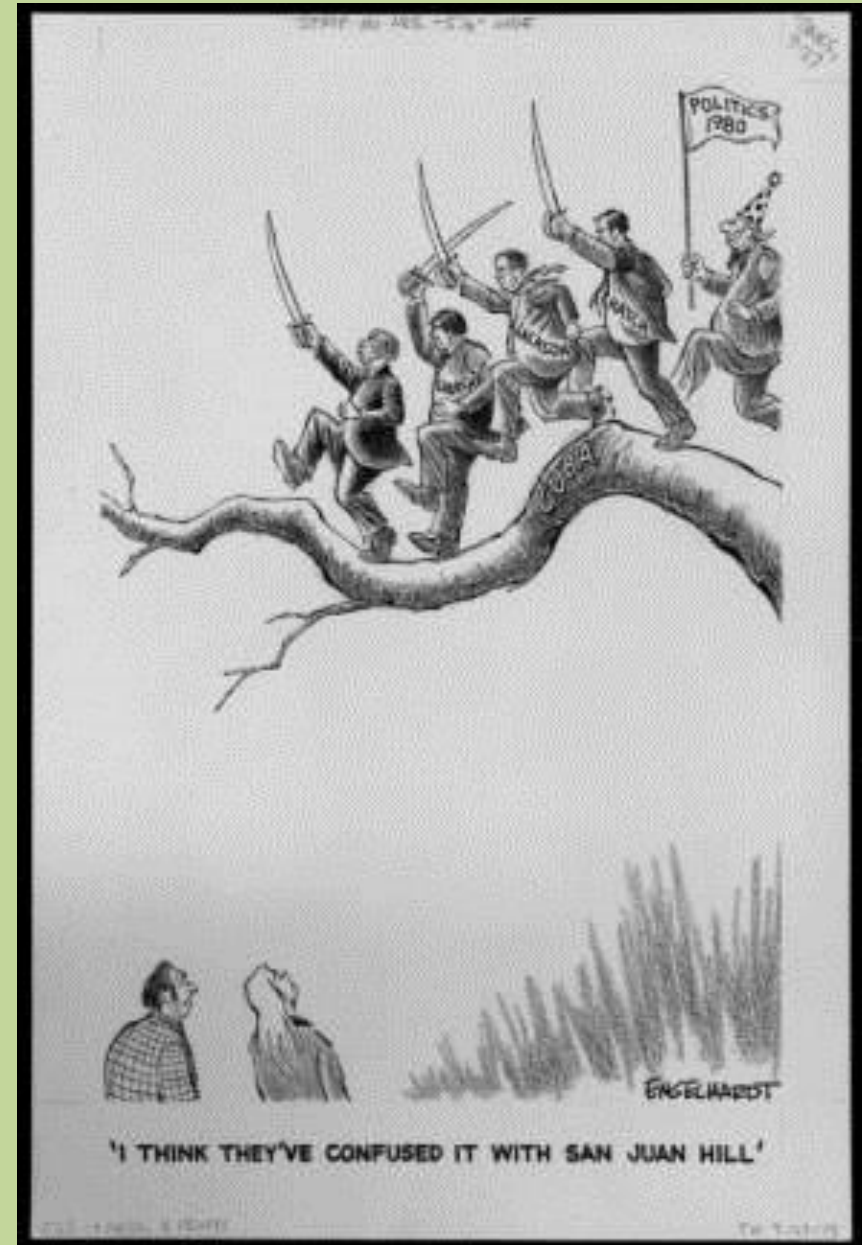
Nope -

They must need mega server space!



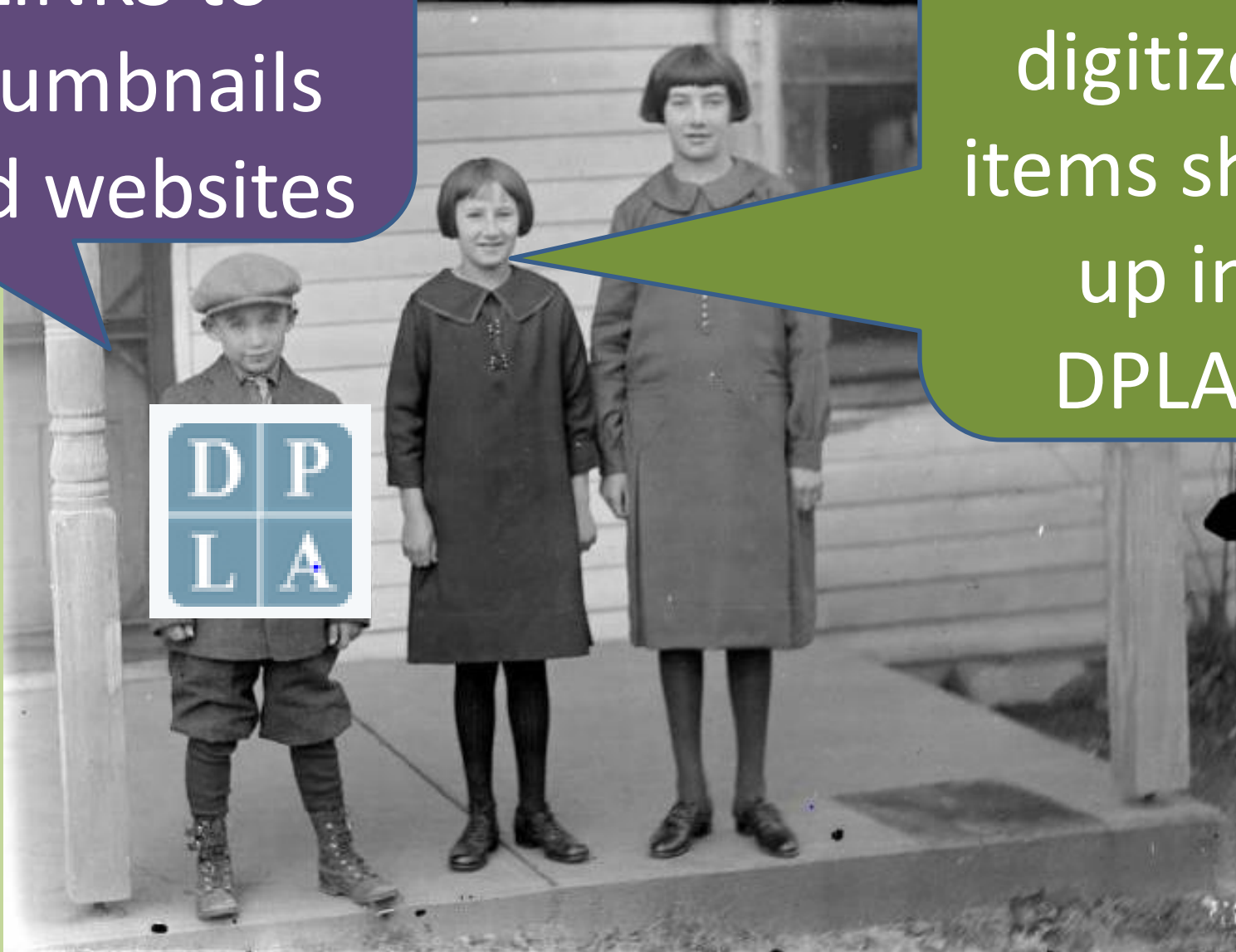


does not host
digital assets.



DPLA stores
LINKS to
thumbnails
and websites

So how do
the
digitized
items show
up in
DPLA?



You host the content.

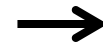
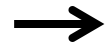


sends the users to you.

PONDS

LAKES

OCEAN



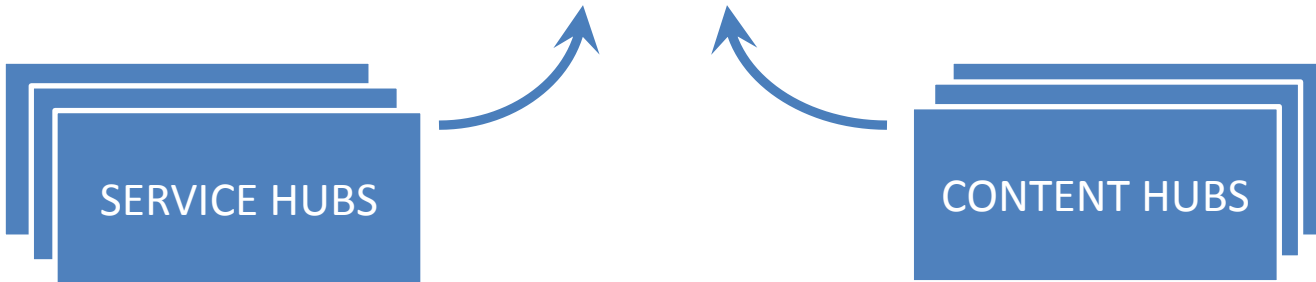
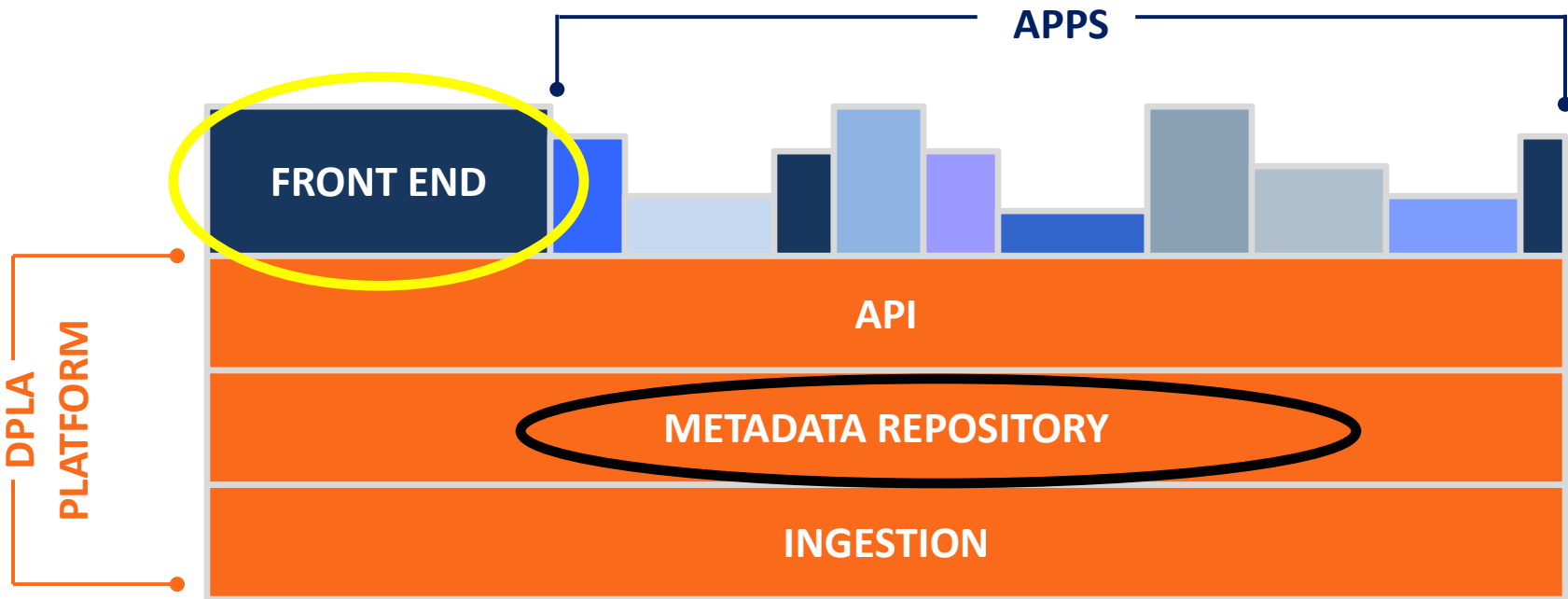
Local

Regional

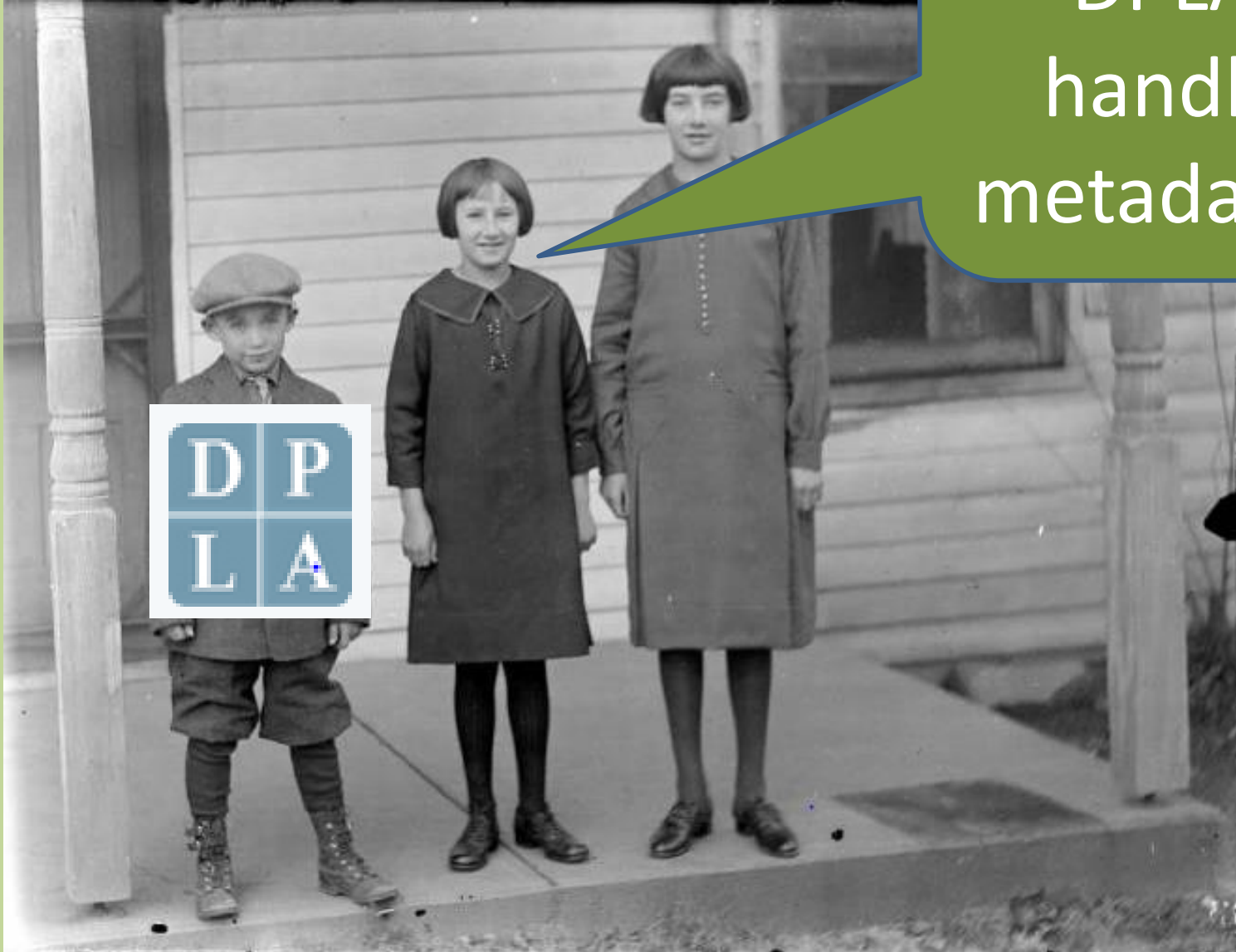
National



Users / Visitors / Researchers



How does
DPLA
handle
metadata?



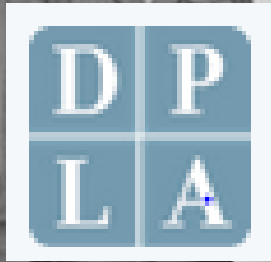
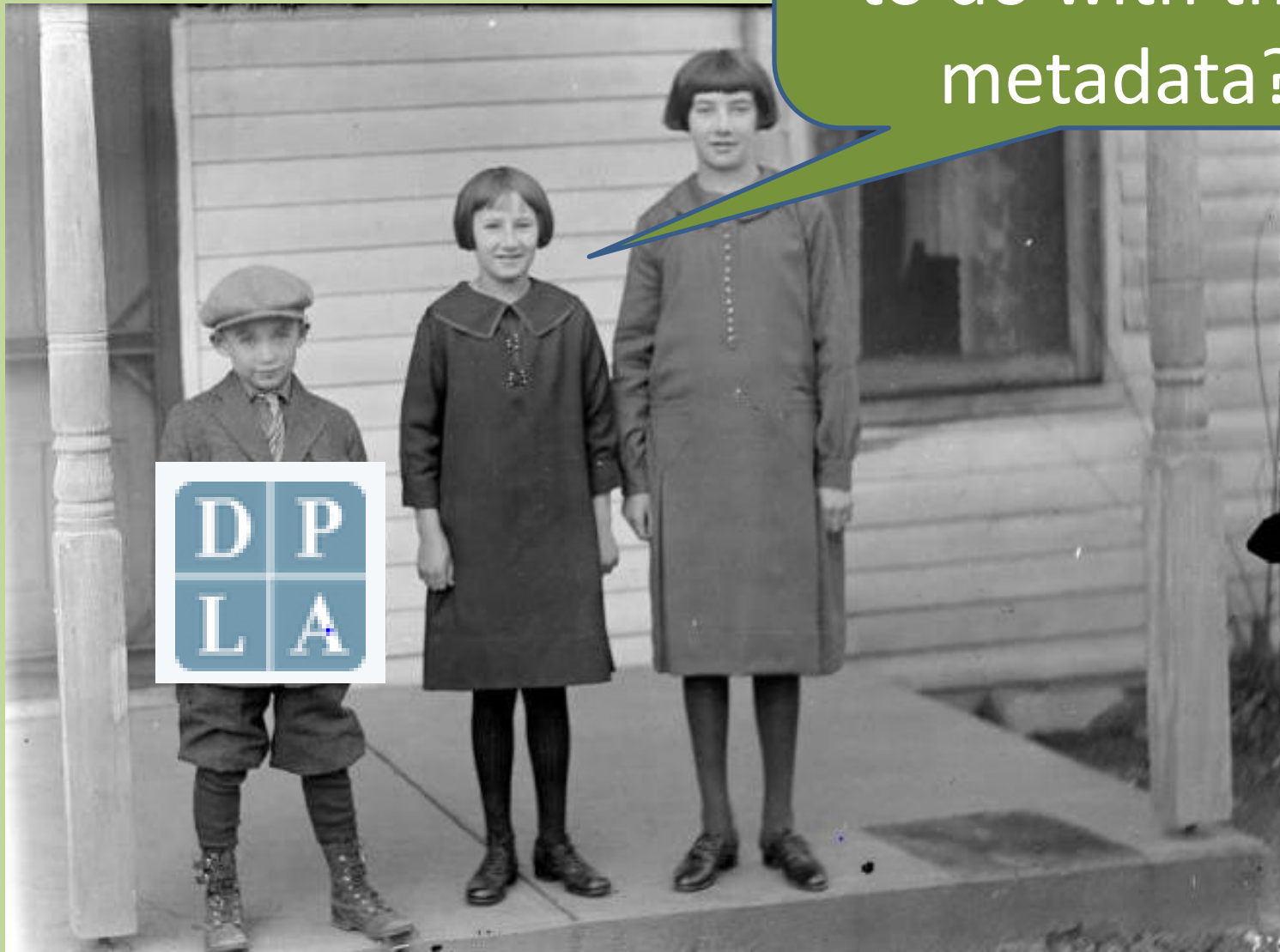


SURVEY:

**Familiarity
with metadata**

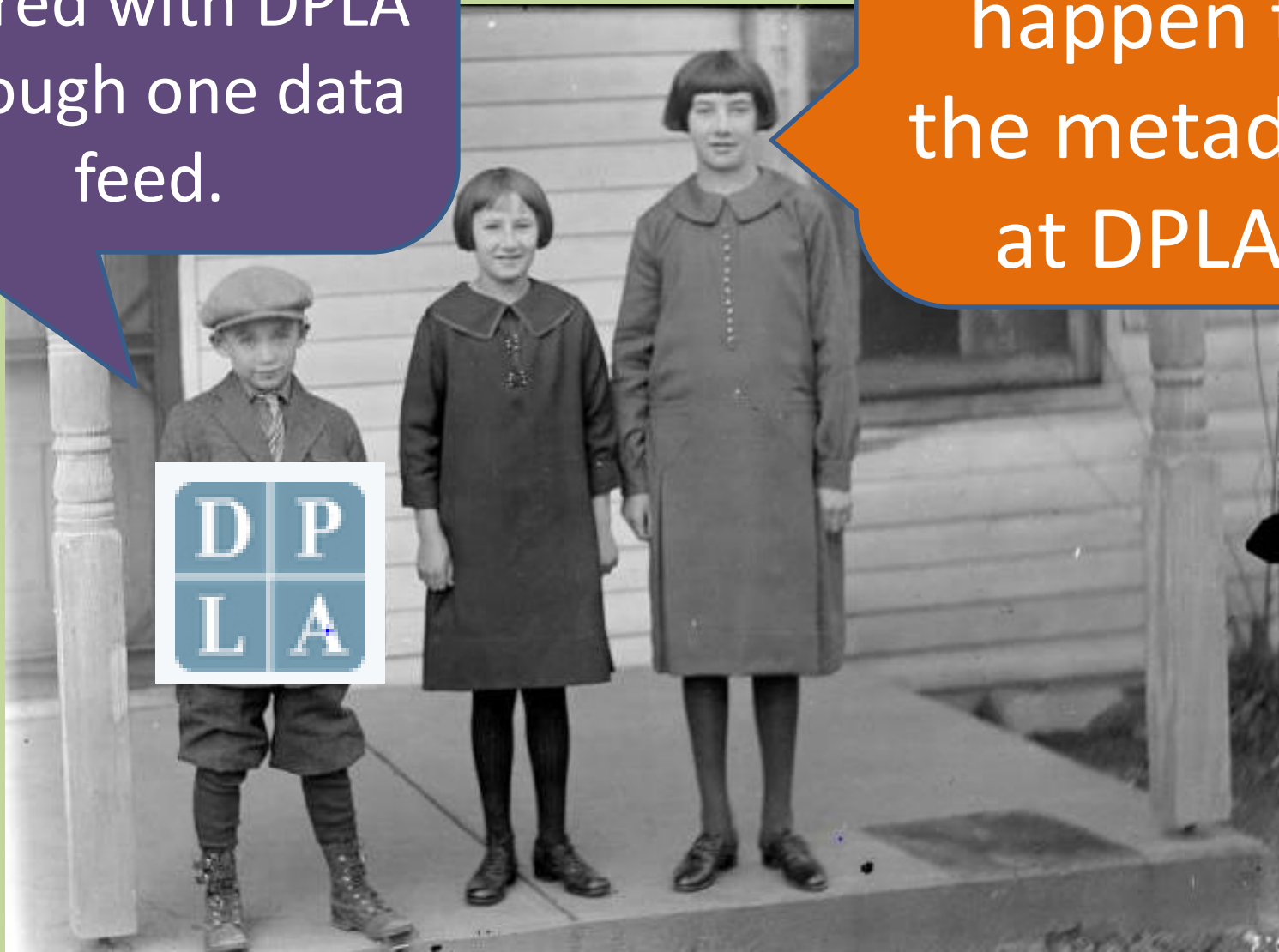
- I have managed digitization projects
- I'm a cataloger
- I am a coder or programmer
- Not too familiar with metadata,
- Never met a data I didn't like

What do the Service Hubs have to do with their metadata?



Standardize it,
so it can be
shared with DPLA
through one data
feed.

Does
anything
happen to
the metadata
at DPLA?



We do extra
processing
of DATES
and PLACES





A Wealth of Knowledge

from libraries, archives, and museums

Search the Library



Exhibitions

View all »



Explore by Place

Map »

Explore by Date

Timeline »



1946 1947 1948 1949 1950 1951 1952

Apps

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](#) »

Term Frequency Map

DPLA Visual Search Prototype

News



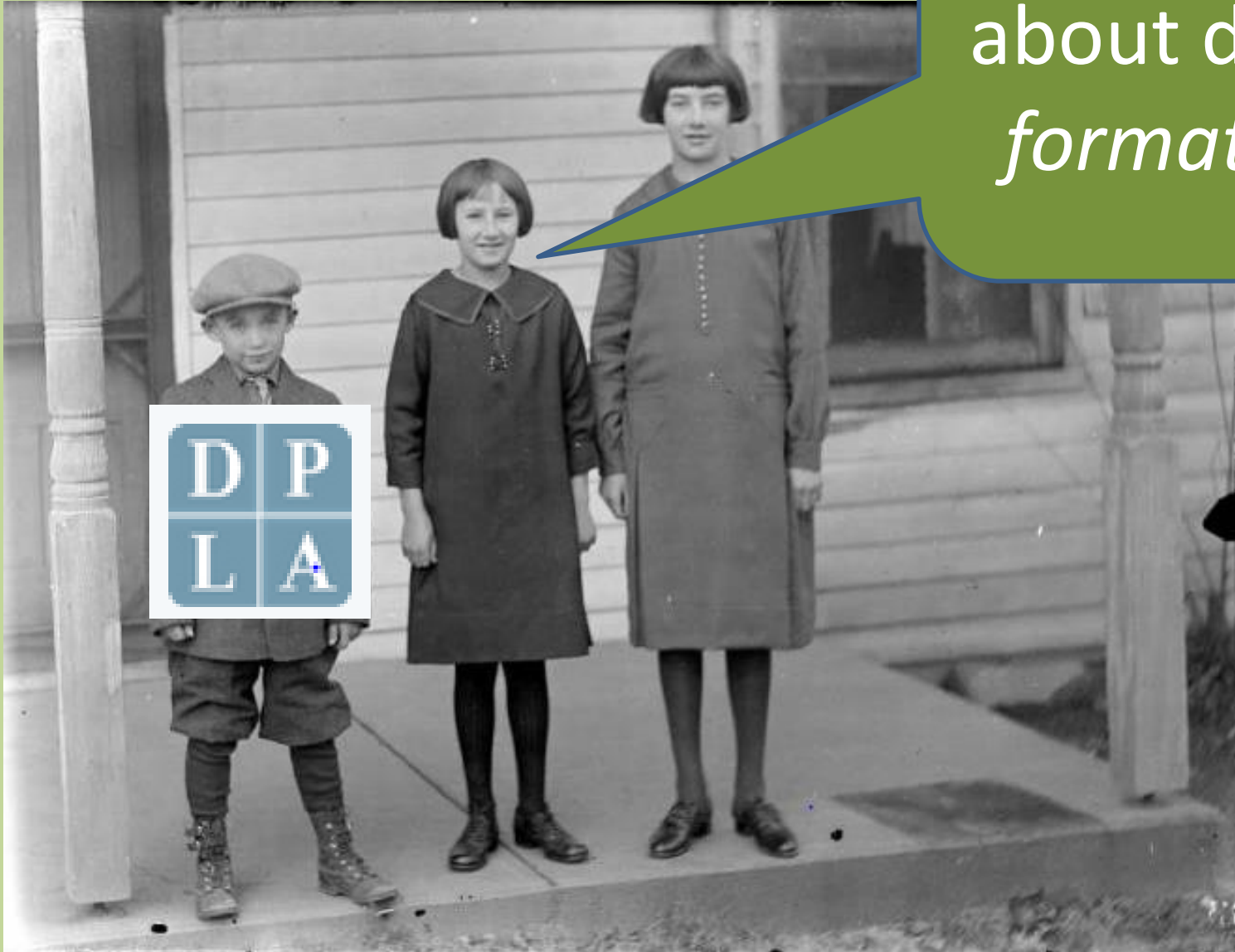
Board Governance Committee Executive Session: November 12, 2014

Nov 8

Open Marketing and Outreach Committee Call: Friday, November 7, 2:00 PM Eastern

Nov 3

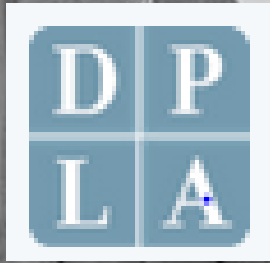
What
about data
formats?



There has
to be an
OAI-PMH
data feed

A what?

The Open
Archives
Initiative
Protocol for
Metadata
Harvesting
(OAI-PMH)



<https://www.openarchives.org/pmh/>

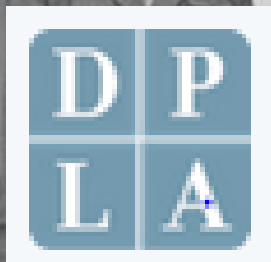
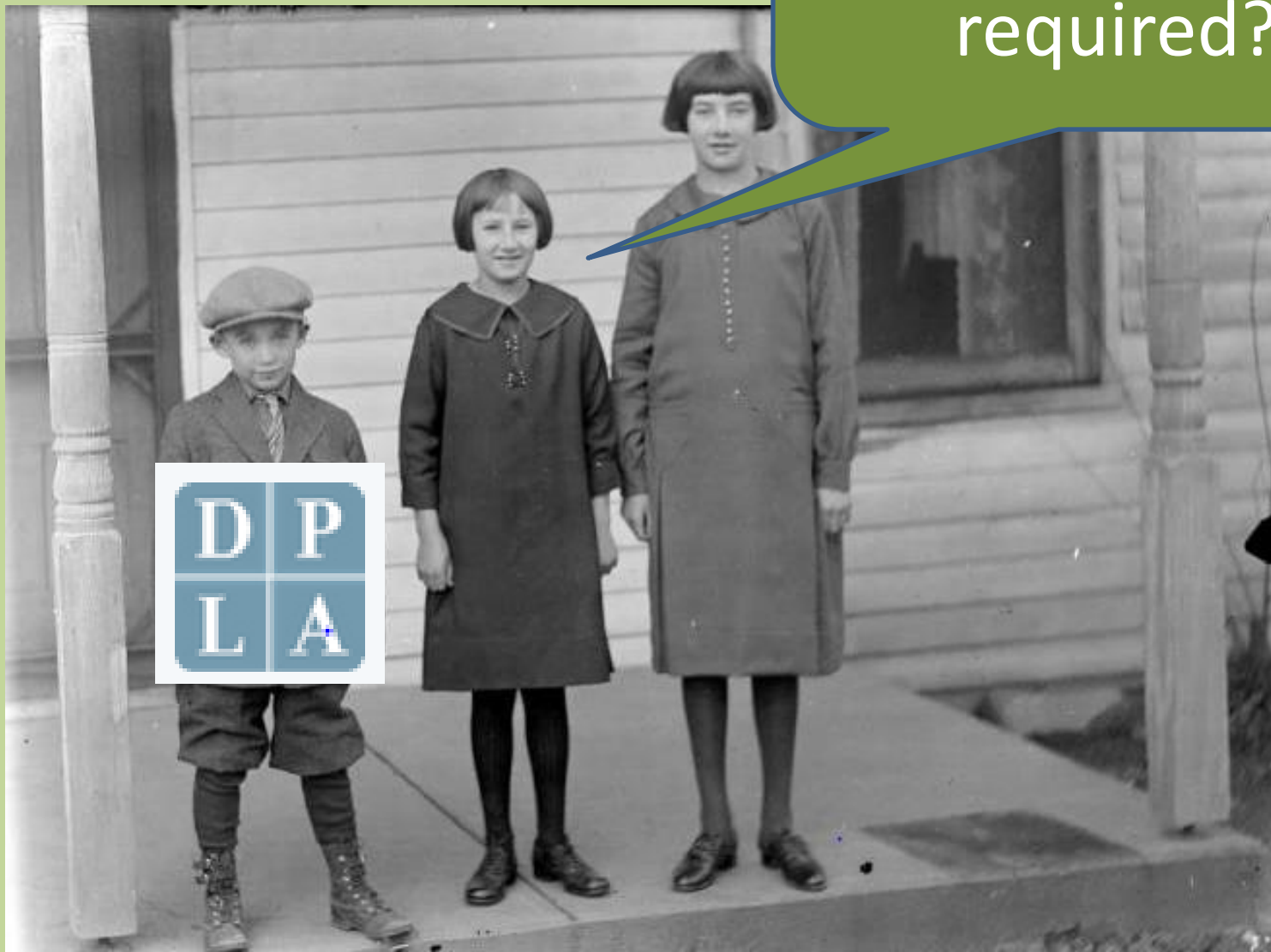


QUIZ:

Which one is
NOT a metadata
format?

- MARC21
- MODS
- XML
- Dublin Core
- BIBFRAME
- LOL

What metadata fields are required?



Five metadata fields each record must have:

Harry S. Truman Holding Baby Margaret Truman

← **Title Field**




Creator National Archives and Records Administration. Office of Presidential Libraries. Harry S. Truman Library. (04/01/1985 -)

Created Date ca. 1924

Partner National Archives and Records Administration

Contributing Institution National Archives and Records Administration

← **Contributing Institution**

View Object 

← **URL to thumbnail / preview**

Type image

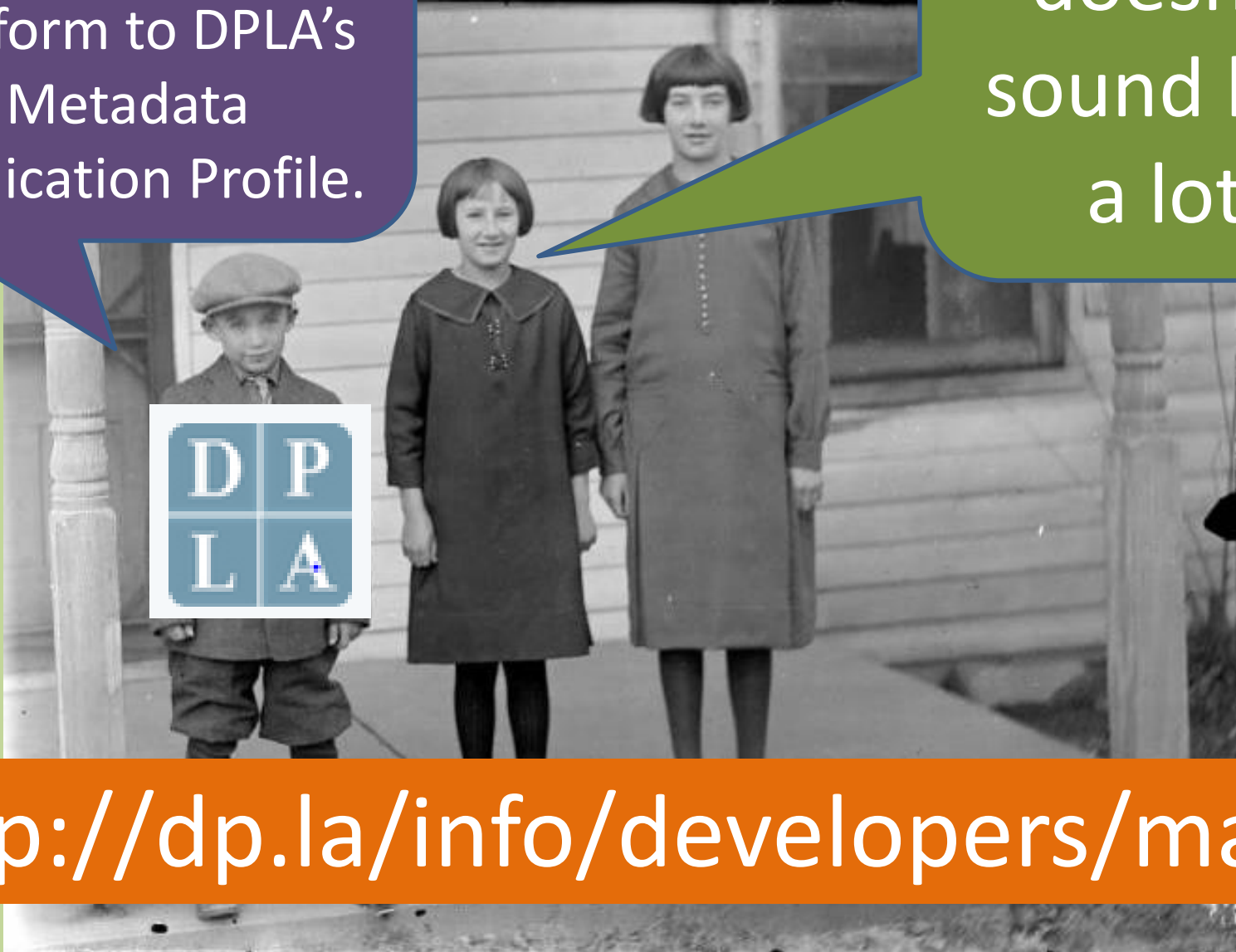
Subject Children of presidents
Infants
Truman, Harry S., 1884-1972
Truman, Margaret (Mary Margaret), 1924-2008

Rights Unrestricted ← **Rights Statement**

URL <http://research.archives.gov/description/6372847> ← **URL to record**

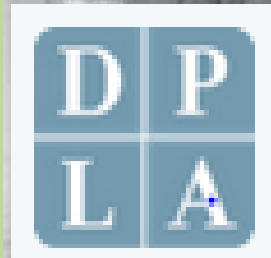
Other fields are allowed, if they conform to DPLA's Metadata Application Profile.

That doesn't sound like a lot



<http://dp.la/info/developers/map/>

One more
important
metadata
requirement:



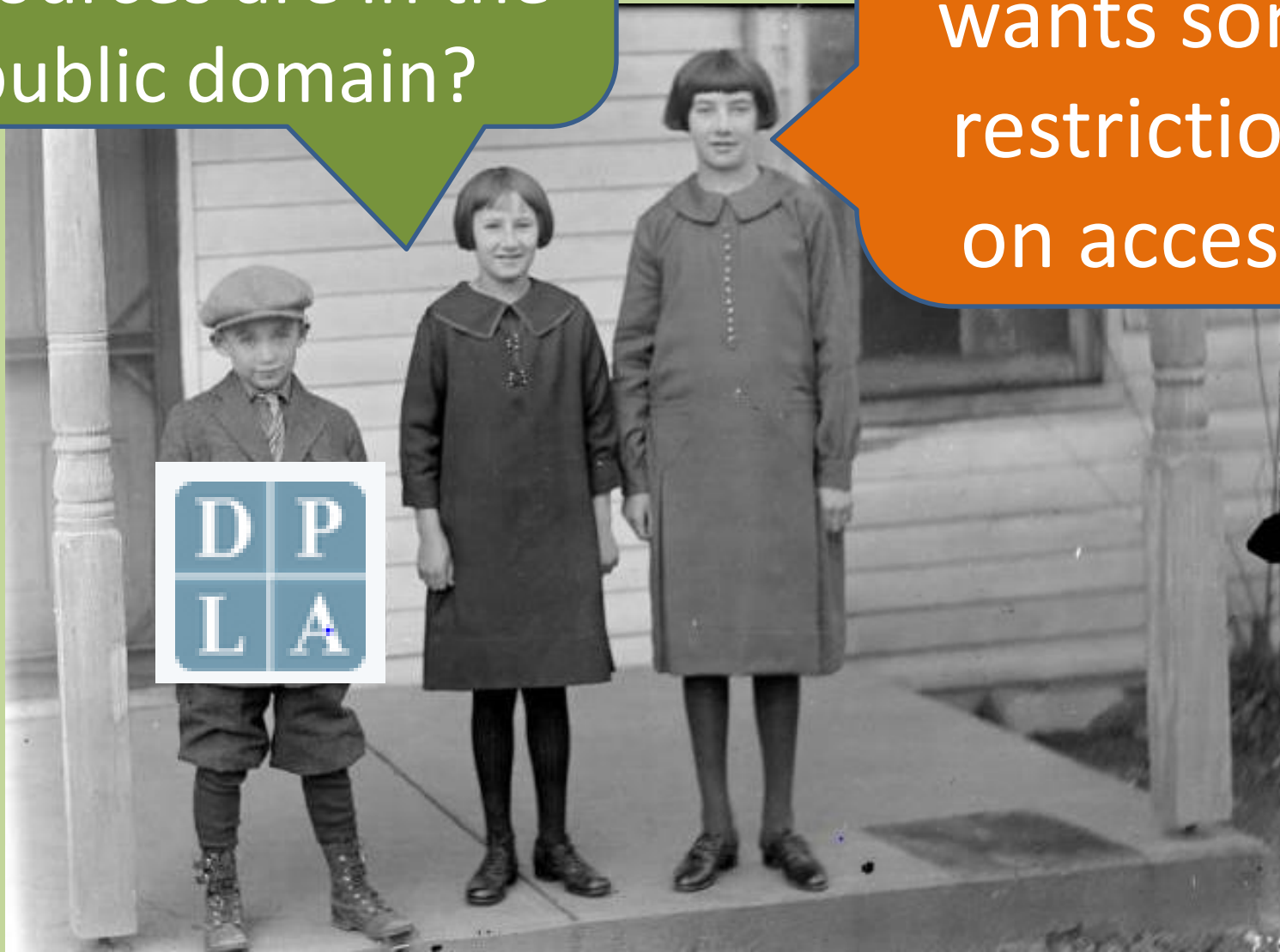


Bringing together the riches of America's libraries, archives, and museums to make them **freely available** to the world

visit **dp.la**

But what if not all
your digitized
resources are in the
public domain?

Or your
institution
wants some
restrictions
on access?



CC0 - Metadata in public domain

- Contributing partners agree to supply their *metadata* as CC0



- Metadata is licensed to the public non-exclusively, unconditionally, and royalty-free for all types of use.
- A larger format image or resource can still be more restricted on the home site

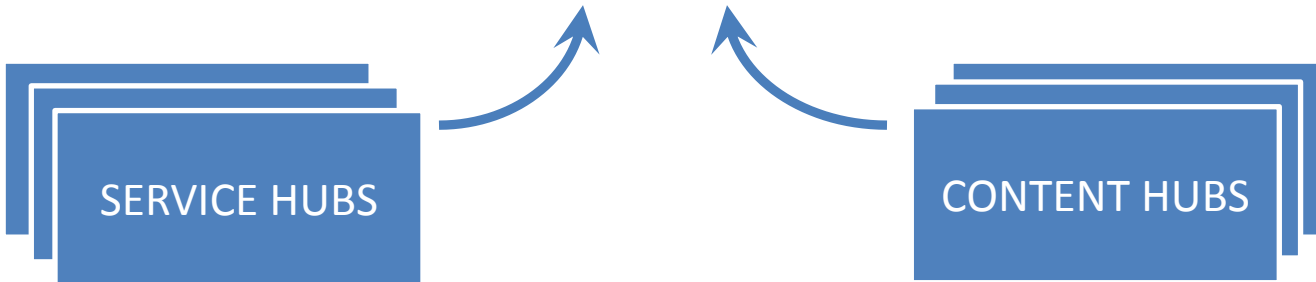
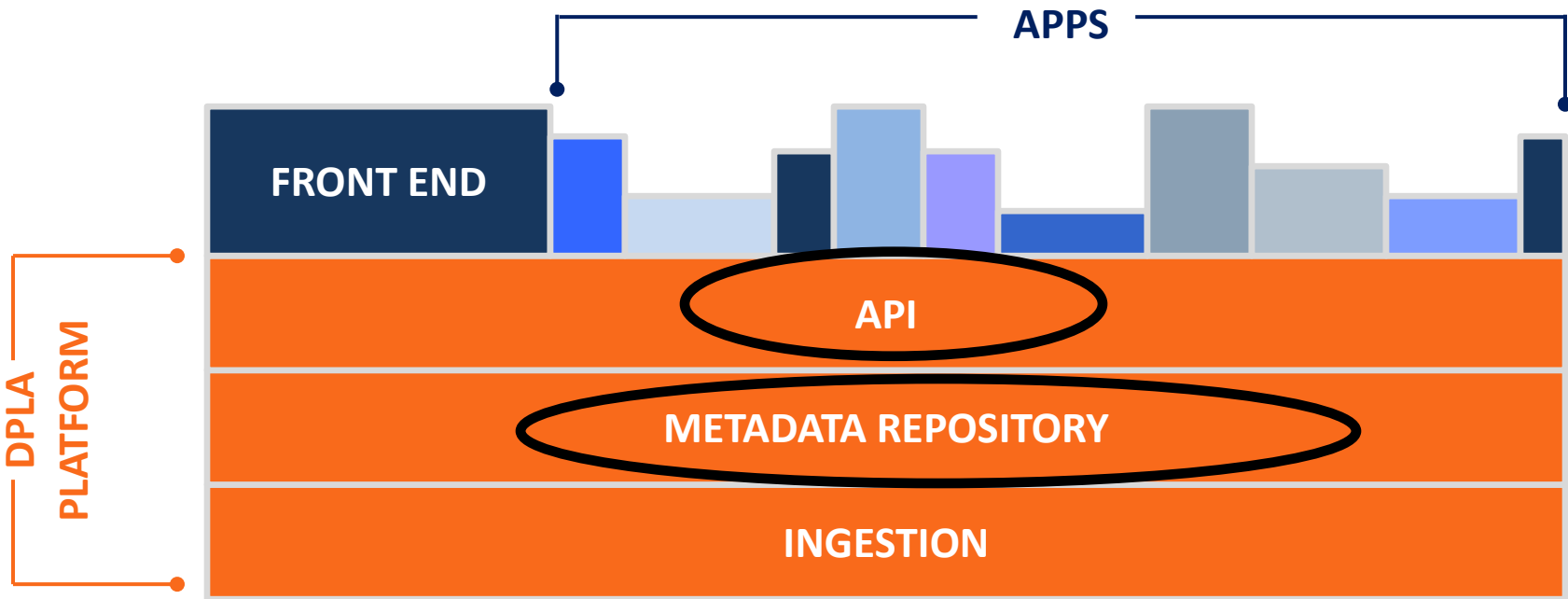


A PORTAL FOR DISCOVERY

A PLATFORM TO BUILD UPON

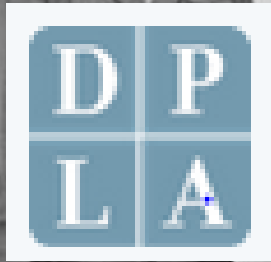
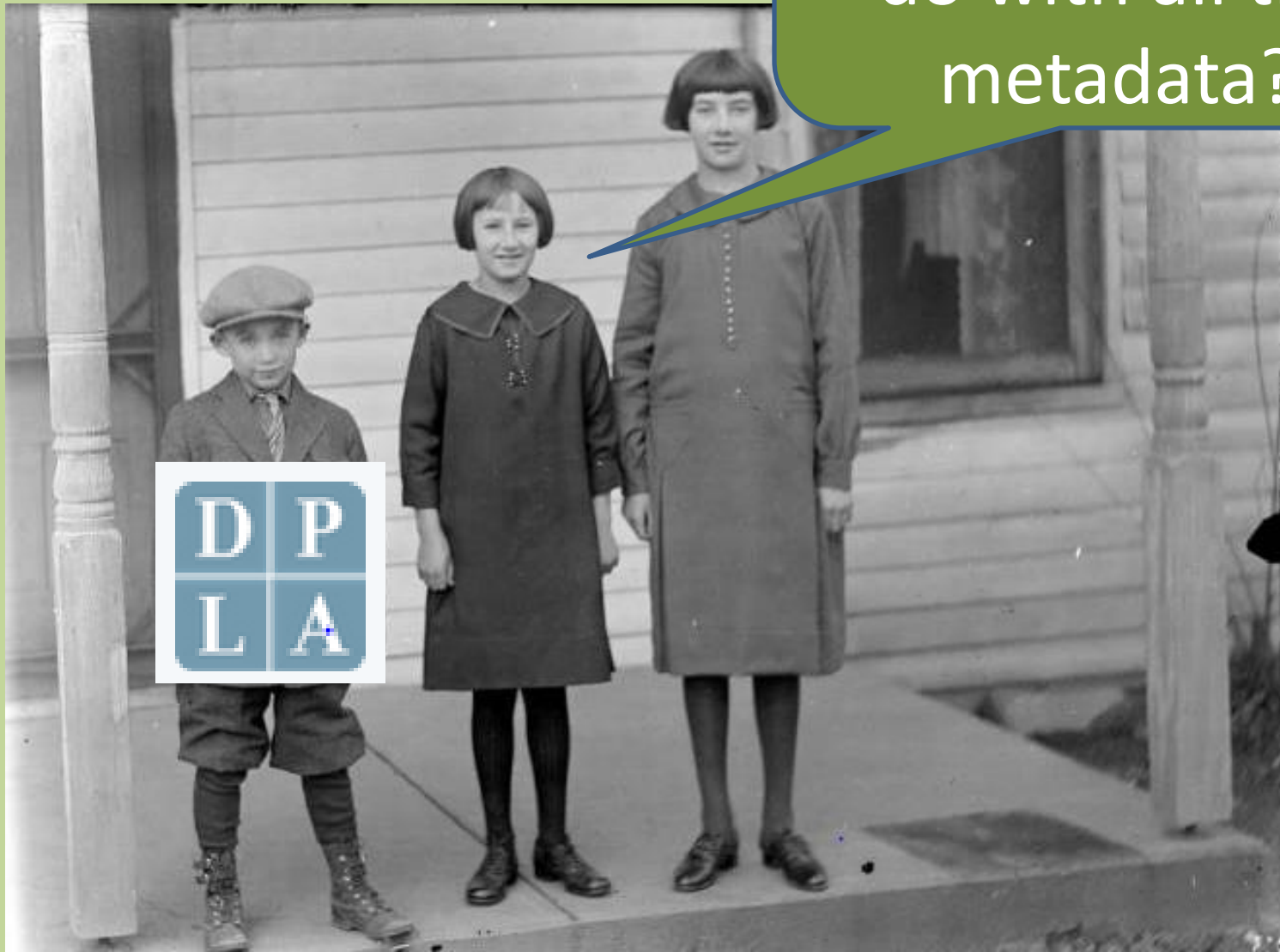
A STRONG PUBLIC OPTION

Visit dp.la



Smithsonian

What kinds of things can people do with all the metadata?



The DPLA is a platform that enables new and transformative uses of our digitized cultural heritage. The DPLA's application programming interface (API) and open data can be used by software developers, researchers, and others to create novel environments for learning, tools for discovery, and engaging apps.

3



WikipedPLA
Eric Phetteplace

See relevant results from the Digital Public Library of America on any Wikipedia article using this Google Chrome extension.

[App Home Page >](#)



Term vs. Term
Owen Mundy

Compare the number of search results for two phrases from the Digital Public Library of America.

[App Home Page >](#)



FindDPLA
Eric Phetteplace and Jake Orlovitz

Want to see DPLA's related text and images for any Wikipedia article? FindDPLA is an easy-to-install tool that pulls up relevant content from the DPLA any time you view a Wikipedia article.

[App Home Page >](#)



Historical Cats
Adam Malantonio

A Twitter bot that grabs an item at random via the DPLA's API platform and tweets it out.

[App Home Page >](#)



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 web page in three easy steps! DPLA Search Widget allows you to easily install a DPLA search box on your web site 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 web site.

[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 >](#)

Color Browse

DPLA Color Browse 

781 images containing brown



Color browse



Open Source Crowdsourcing Game Platform

Metadata Games (MG) is a **free and open source (FOSS) crowdsourcing game platform**. As players play Metadata Games, images, video, and audio from libraries, archives, and museums gain valuable descriptions, making it easier for the general public and scholars to discover these collections.

Metadata games

Culture Collage



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. Clicking on an image lets you view details, save it to a scrapbook or hop over to dpla without losing your place in the stream. You can meander and muse without distraction. Your scrapbooks are saved in your browser cache, so there's no need to sign-up or log-in or even remember to 'save'. Searches can be linked by using keywords in the URL (e.g. <http://www.zenlan.com/collage/dpla/#parade>), allowing themed image streams to be shared. For those interested in simultaneously searching the holdings of the DPLA, Europeana (European Union), and Trove (Australia), check out the "International Lanes" feature. "Culture Collage - DPLA" is now also available as a web app that plugs into Microsoft Office 2013 and lets you search and embed images without leaving the page.

[App Home page](#)

Culture collage

Are Missouri
libraries
involved?



Glad you
asked!



MO
Hub's
origin
story

Cast

Missouri State Library	Jefferson City, MO	Administers LSTA digitization grants.
Missouri State Archives	Jefferson City, MO	Together with Missouri State Library, operates...
Missouri Digital Heritage	Web	Portal (+ optional repository) for state digitization projects
TECHO-STL	St. Louis	Informal group interested in linked data and digital collaborations

TECHO meeting, Sept. 2013



DP
LA

?



Feb 14, 2014 ?



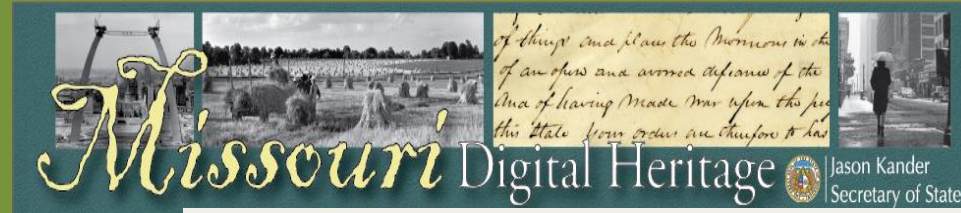
Fall 2014 ?



Service hub?



**Missouri
History
Museum**

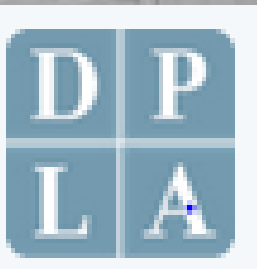


**Missouri
State Library**

Who would manage the ingests with DPLA?

**Must already meet DPLA
data standards, AND:**

- **Have an OAI feed**
- **Metadata *must* be in
MODS or Dublin Core**





Prerequisites to joining
DPLA through
MissouriHub

Visit **dp.la**

ADMINISTRATIVE



TECHNICAL



To participate, Missouri State Lib needed
governance documents

They joined MoHub in 2015 after their
legal counsel signed off

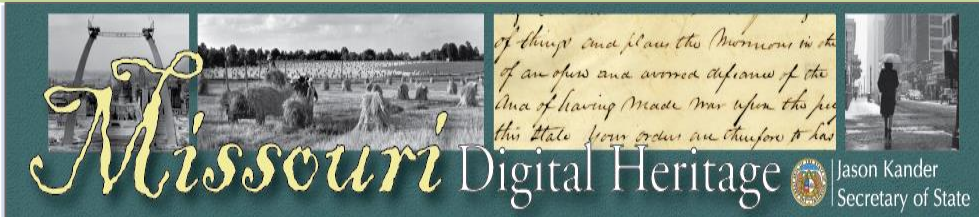


The banner features a collage of three images: a wooden archway on the left, a historical landscape with people and animals in the center, and a snippet of handwritten cursive text on the right. The word "Missouri" is written in a large, ornate, yellow script across the top left, and "Digital Heritage" is written in a smaller, white, sans-serif font to its right. A small circular logo is visible at the bottom right of the banner.

Missouri

Digital Heritage

- Missouri State Library took on role of contacting MDH libraries
- 1/3 of MoHub content now comes from MDH



State-wide content platform

Aggregator of metadata

Hosts digitized primary sources

Onramp to DPLA

Also provides links to material hosted on other libraries' repositories

Provides links to material hosted on other libraries' repositories

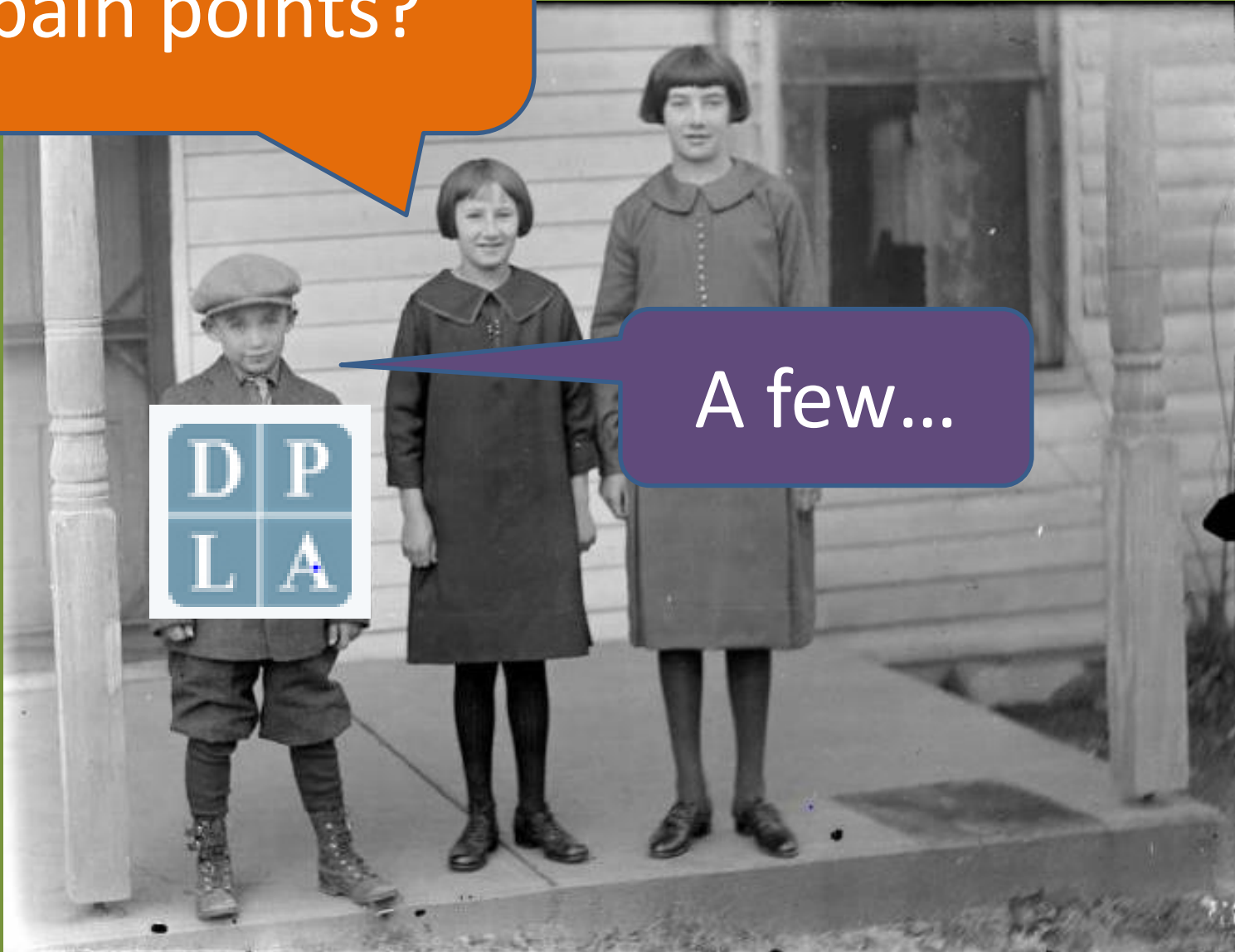
Supports new digitization projects via LSTA grants

Works with already digitized collections only

Has a website and search portal

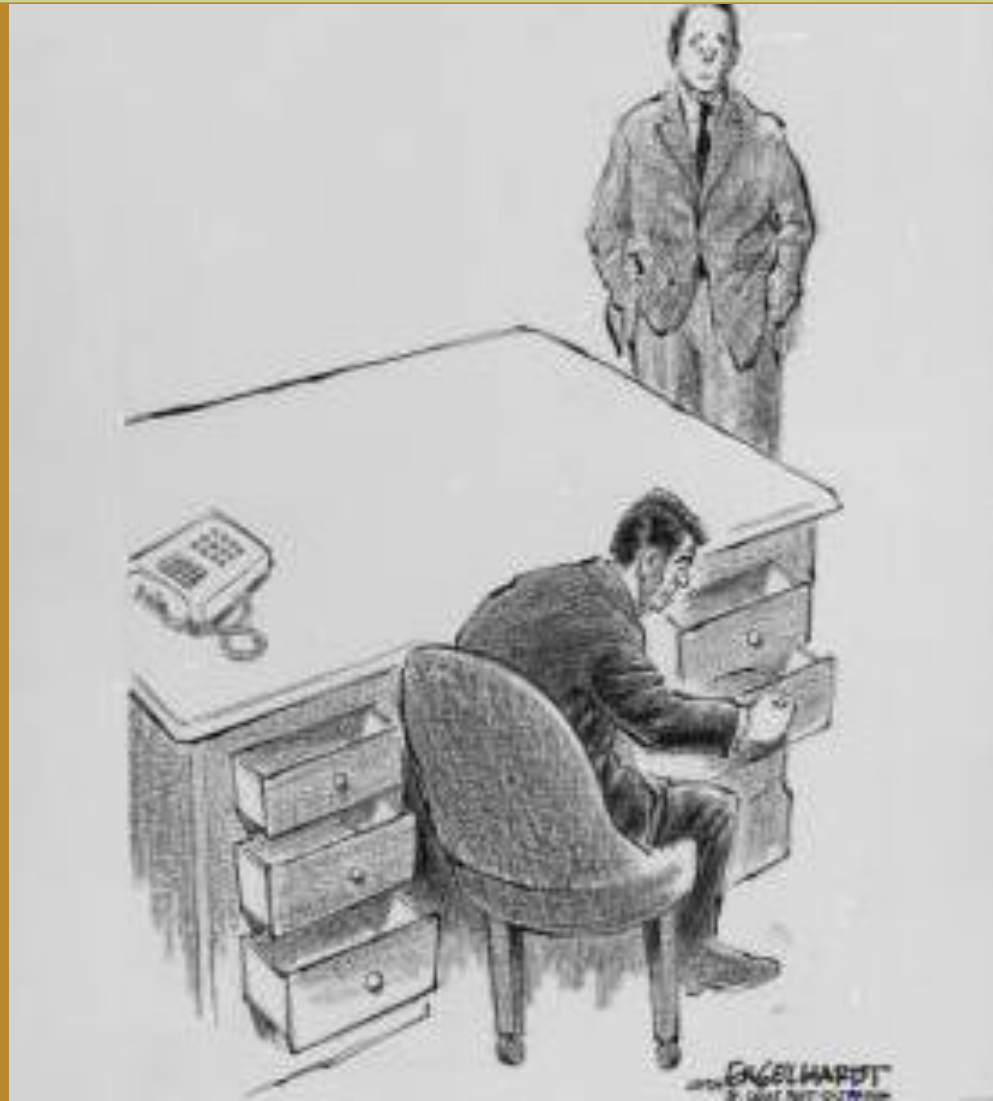
No search portal; website is administrative only

Were there any
pain points?



A few...

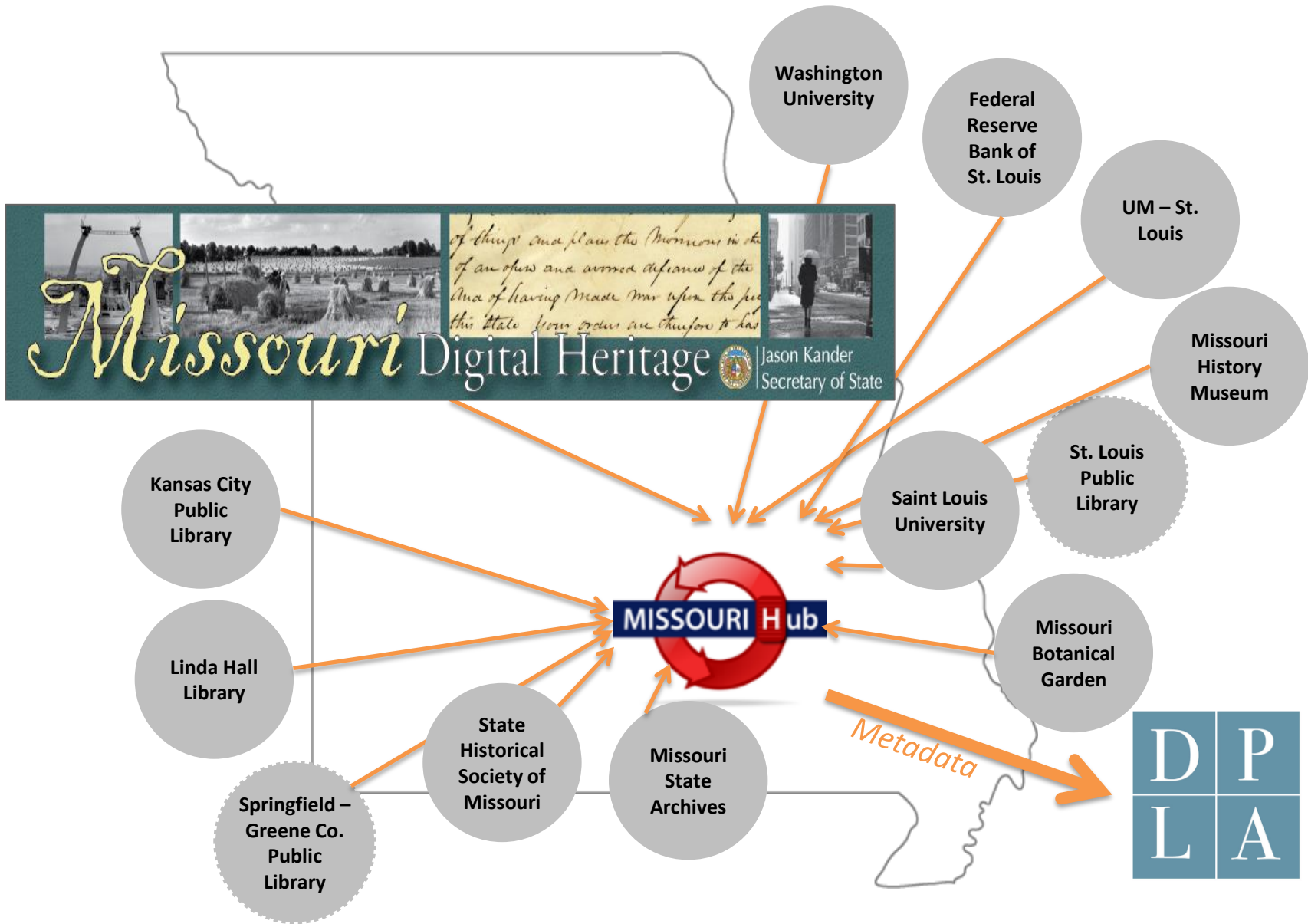
Early admin pain point





Tech pain points

- Loose standards → each partner needs own data map
- Thumbnails → need resizing
- Lack of error reporting
- URL changes lead to broken links
- Changes in Rights Statements standards



<http://missourihub.org/>

MISSOURI HUB

Home

Who we are

How to participate

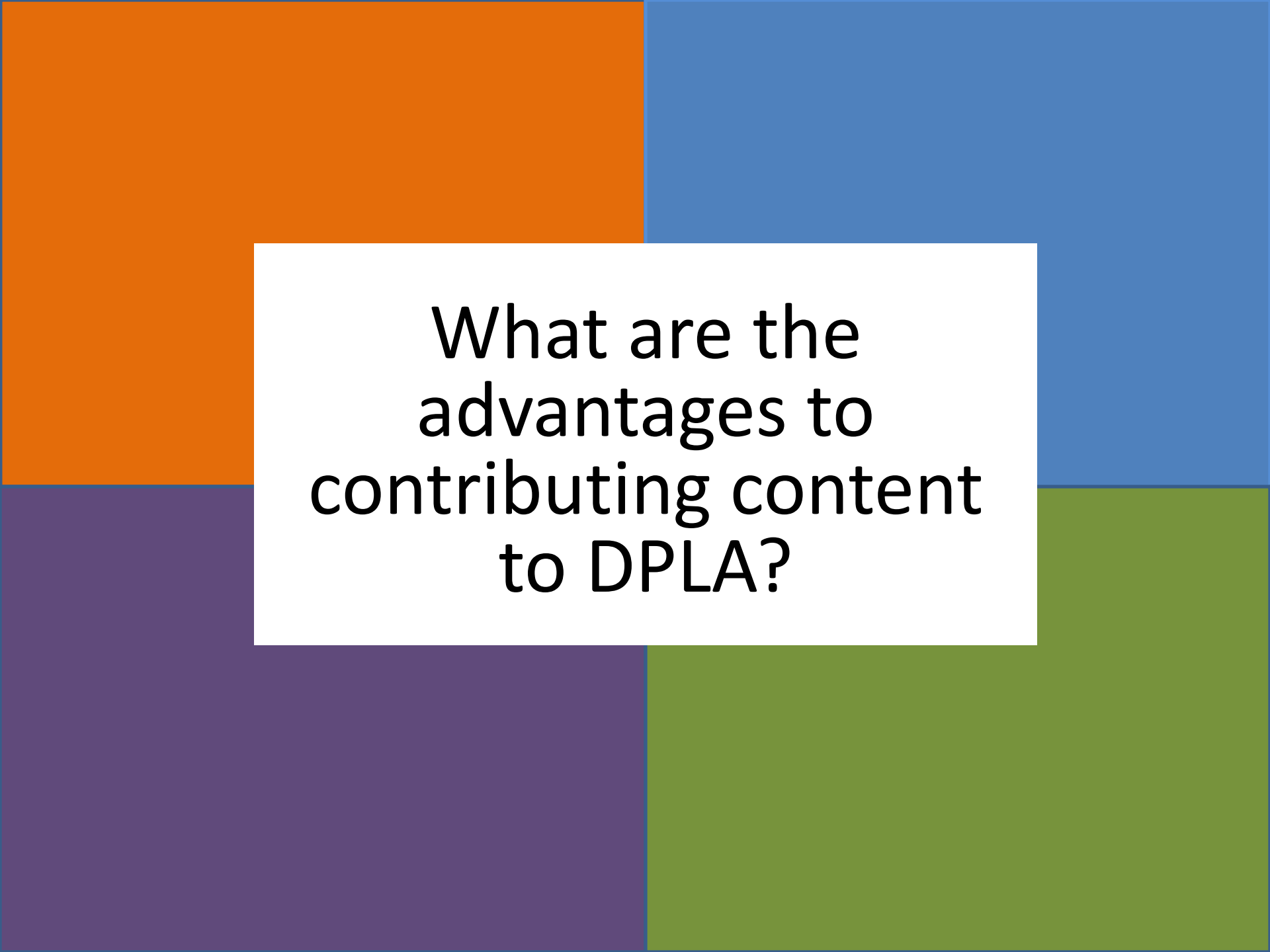
What we do

Browse collections



SHOW ME MISSOURI COLLECTIONS

Missouri Hub is a partnership between Missouri libraries and



What are the
advantages to
contributing content
to DPLA?

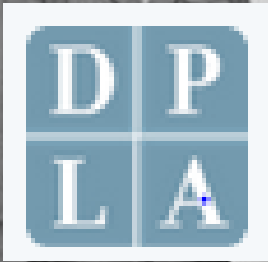
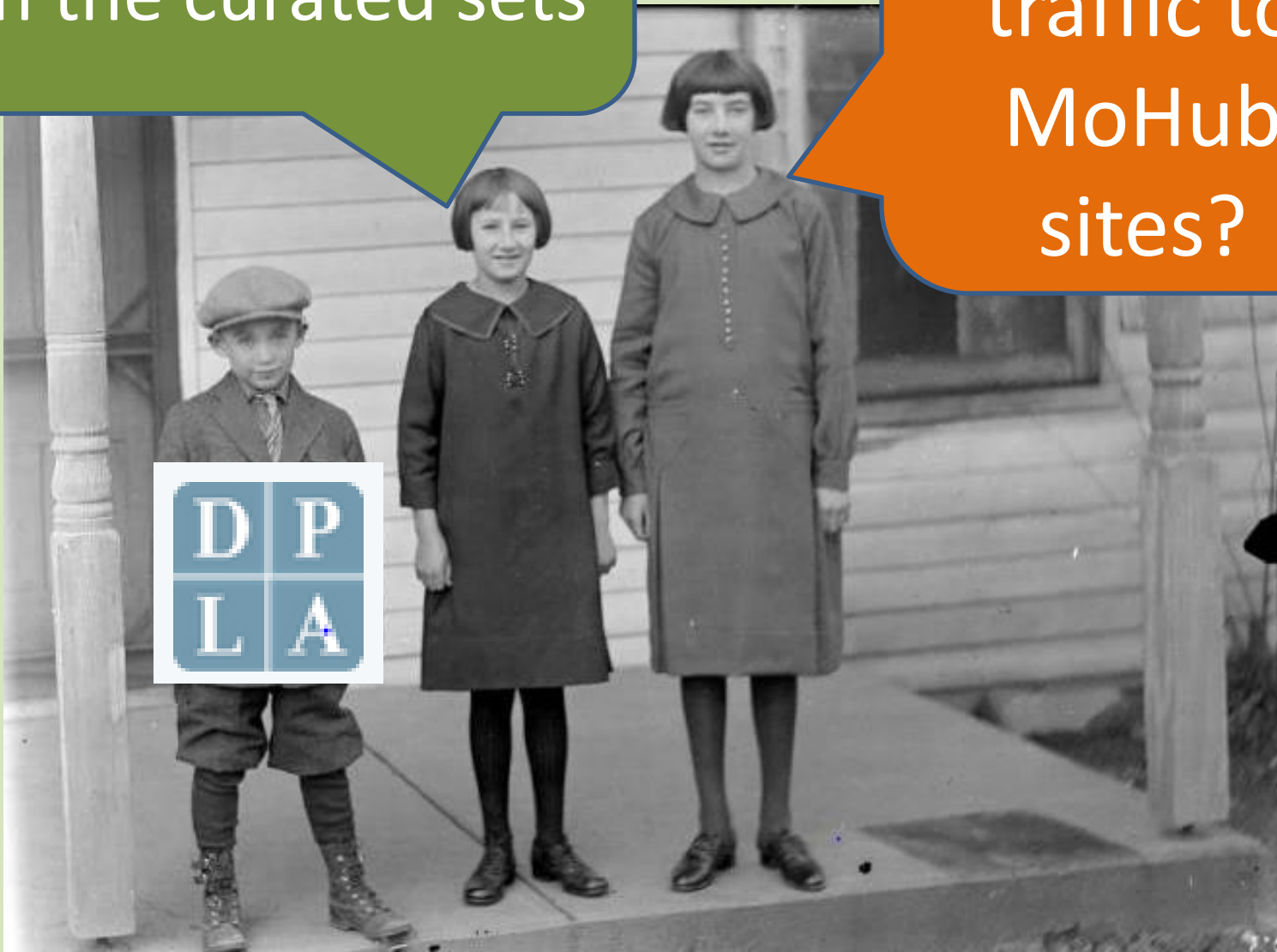
Library user



For rent near the Fair Co. Bldg. Fond du Lac A. 2767

It's mainly noticeable
with the curated sets

Has this
driven
traffic to
MoHub
sites?



Search the Library

Primary Source Sets

Digital Public Library of America (DPLA) Primary Source Sets are designed to help students develop critical thinking skills by exploring topics in online materials from libraries, archives, and museums across the United States, the sets use letters, photographs, posters, oral histories, video, ten to fifteen primary sources, links to related resources, and a teaching guide. These sets were created and reviewed by the teachers on the DPLA [projects](#), [suggest a new topic](#) for a primary source set, and [contact us with feedback at \[education@dpla.org\]\(mailto:education@dpla.org\)](#).

Subject: Time Period



California Gold Rush

Expansion and Reform (1801-1861) US History Migration

Search the Library

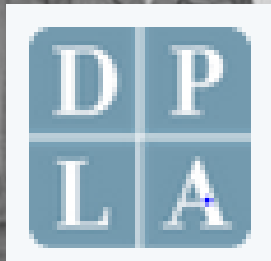
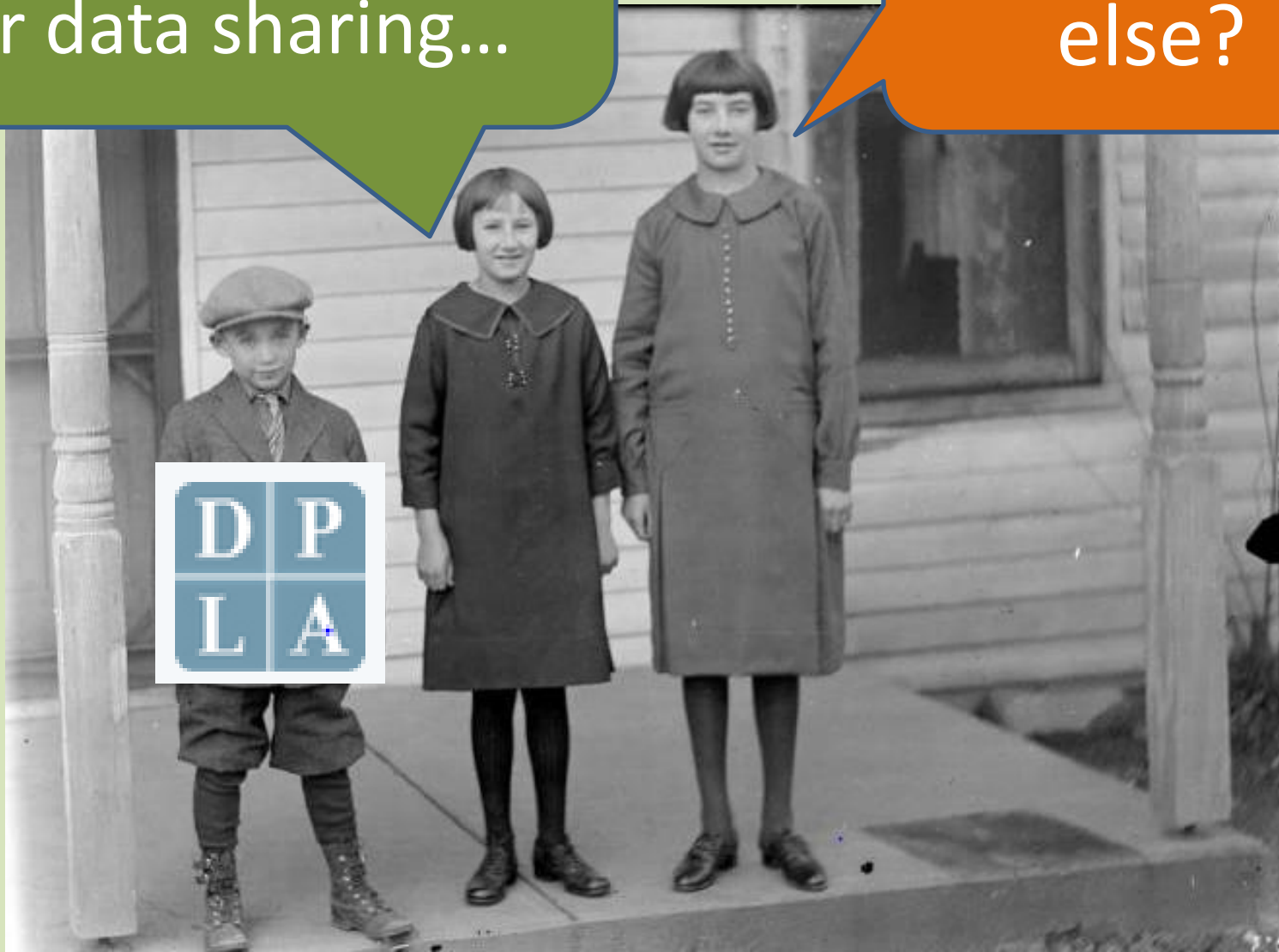
Exhibitions

Digital Public Library of America (DPLA) Exhibitions are designed to tell stories of national significance using source materials from libraries, archives, and museums, including photographs, posters, oral histories, video clips, sheet music, and more. They were curated by a wide variety of curators and projects: the DPLA Curation team, the [Public Library Partnerships Project](#), information science and public history, and public librarians as part of the [Public Library Partnerships Project](#). Please explore the credits for individual exhibitions and [contact us with feedback at \[education@dpla.org\]\(mailto:education@dpla.org\)](#).



Keeping up with
evolving standards
for data sharing...

Anything
else?



What's ahead ... Rights statements

Modeled on Europeana:

<http://www.europeana.eu/portal/en>

The image shows a screenshot of the Europeana website with a filter overlay. The overlay is titled "CAN I USE IT?" and contains three radio button options: "Free Re-use (4,579)", "Limited Re-use (1,400)", and "No Re-use (8,923)". Below these options is a link that says "Show specific rights statements". A yellow arrow points to the "Only items with audio media" filter option in the background. The background shows search results for "Marlon Brando" and "The Missouri breaks", with a poster for "DVOBOJ NA MISSOURI" and a grid of postage stamps.

collections Collections Explore Exhibitions Blog

OUR SITES

Per page: 12 GRID

uriju; Marlon Brando, Jack Nicholson; Marlon Brando, Jack
er Arthur Penn; režiser Arthur Penn; The Missouri breaks;
eaks (1978)

and University Library of Slovenia

ostmasters Provisional St Louis 1845-46 5 cents three
: three copies, all used in a reconstruction of the plate.
r: J.M. Kershaw

...the issue of postage stamps was ready for use in all parts of the United
States in 1847, local Postmasters made provisional issues. The provisional stamps for St
Louis, Missouri were 5 cents and 10 cents values, showing the Missouri Coat of Arms
and were...

Engraving

View at The British Library

3 D (1)

Only items with audio media

CAN I USE IT?

Collaborating and
learning from other
libraries...



Tell them
about your
trip

Research

Continuing Education

Nexus

Mapping the Landscapes

Digital Pres

Aligning N

Digital Pre

Chronicles

Distribute

Electronic

Identifying

for Nation

OSSArcFl

News on t

[Research](#) | [Digital Preservation](#) | [News on the Margins](#)

News on the Margins



in cause. Too long have others spoken for us."

John B. Russwurm, *Freedom's Journal*, March 16, 1827

ot fail."

Tide, April 1973

ng the Digital Public Library of America (DPLA) to develop two digital directories:

of African American Newspapers and Periodicals (print, microfilm, and digital formats)

of LGBT Newspapers and Periodicals (print, microfilm, and digital formats)




A PORTAL FOR DISCOVERY

A PLATFORM TO BUILD UPON

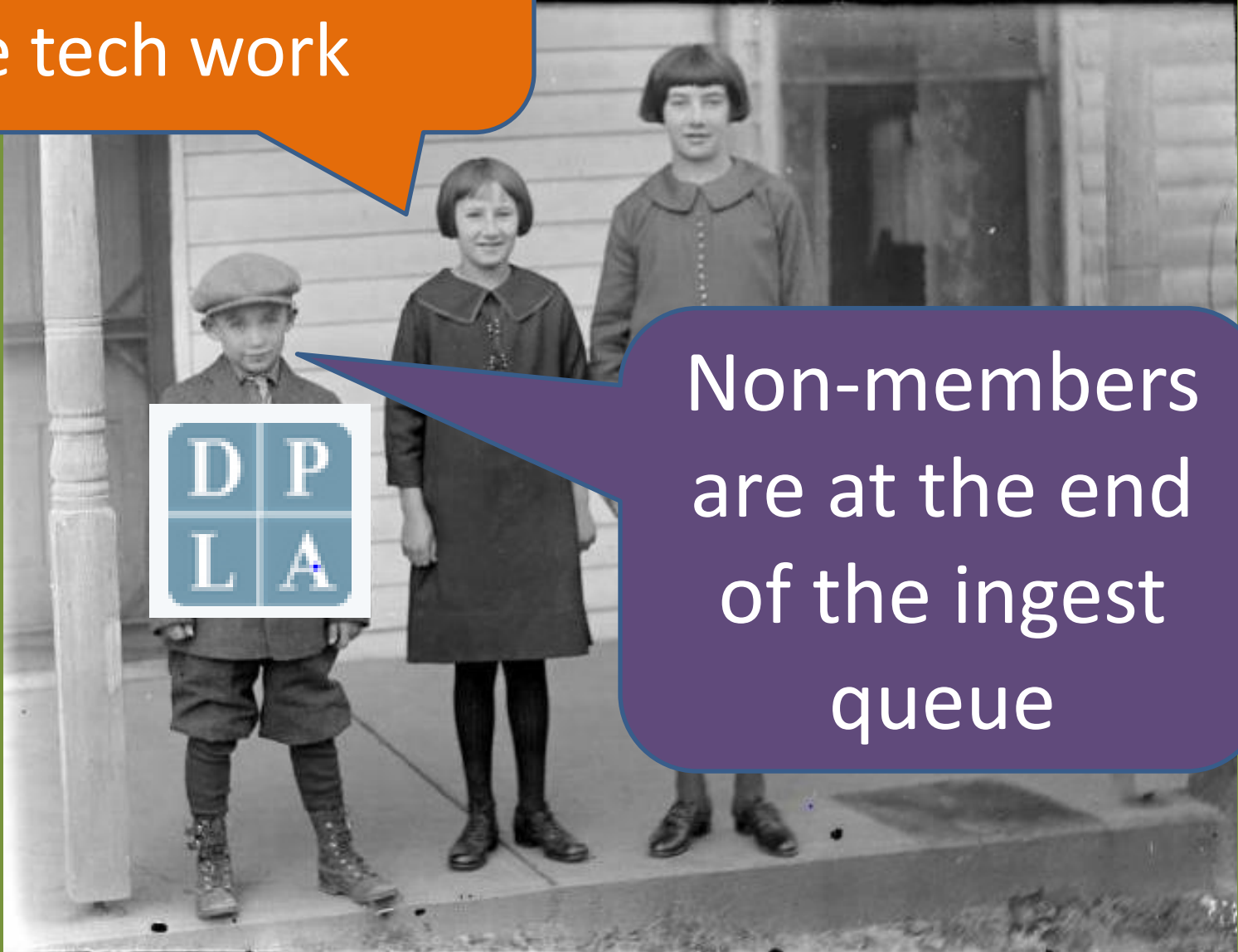
A STRONG PUBLIC OPTION

Visit dp.la



What's ahead
for
MissouriHub ?

We need a plan to better distribute the tech work



Non-members are at the end of the ingest queue



What's
ahead for



?

New interface

Newspapers

E-book
initiative

Rights
statements



A **PORTAL FOR DISCOVERY**

A PLATFORM TO BUILD UPON

A STRONG PUBLIC OPTION

Visit dp.la

What's ahead ... Newspapers



What's ahead ... e-Book initiative

- Can we get e-books out of the “silo?”
- Partnering with readersfirst.org
- IMLS and Sloan Foundation grants





A PORTAL FOR DISCOVERY

A PLATFORM TO BUILD UPON

A STRONG PUBLIC OPTION

Visit dp.la

D P L A

DIGITAL PUBLIC LIBRARY OF AMERICA

Visit dp.la

Thank you!
Questions?

emily@mohistory.org



MISSOURI Hub

<http://missourihub.org/>