



DIGITAL PUBLIC LIBRARY OF AMERICA

Gretchen Gueguen

Data Services Coordinator

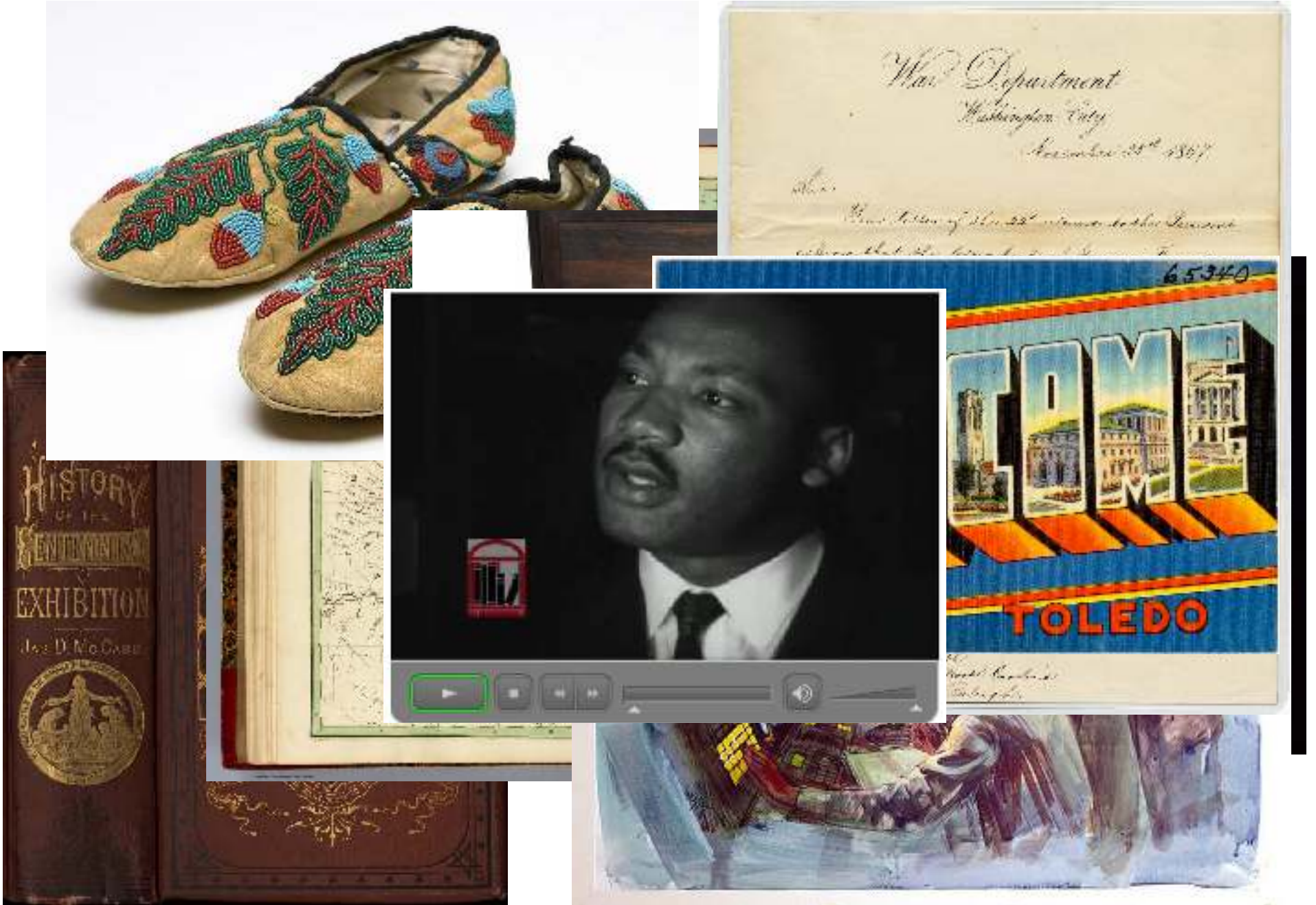
gretchen@dp.la





13+ Million Resources and Growing

L-R Minnesota DL, Kentucky DL and Artstor



University of North Carolina Greensboro; University of Utah; David Rumsey; Smithsonian Institution; Waring Historical Library; North Carolina State Archives; Boston Public Library; Walter J. Brown Media Archives and Peabody Awards Collection; Cornell University

DPLA is...

Sample Code & Libraries

Why reinvent the wheel? Check out the following sample code, code, libraries, and wrappers by emailing us at apps@dpl.a.

DPyLA

Developed by Chad Nelson, this is a Python client that serves a

[Develop with this Python client >](#)

rest_easy

Developed by Tom Kerr, rest_easy is an experimental Python r

[Develop with rest_easy >](#)

Java API Wrapper

Developed by William Karavites, a Java API wrapper for the Dig

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PHP API Wrapper

Developed and maintained by [Stuart Dallas](#), a PHP API wrapper

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OpenSci/rDPLA

Developed by Scott Chamberlain, an R client for the Digital Pub

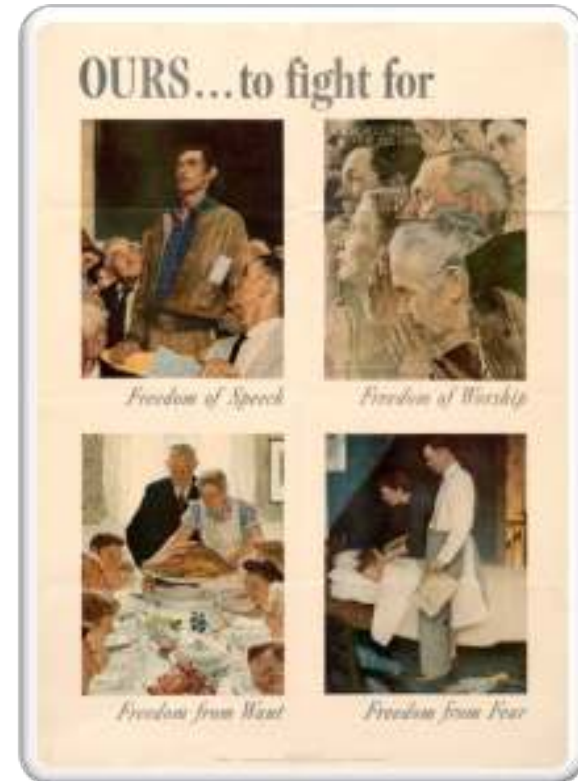
Developed by Scott Chamberlain, an R client for the Digital Pub

OpenSci/rDPLA

a **Platform**



a **Portal**



a **Public Option**

DPLA is...

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a Platform



Metadata from content and service hubs is harvested by Digital Public Library of America



Service Hubs

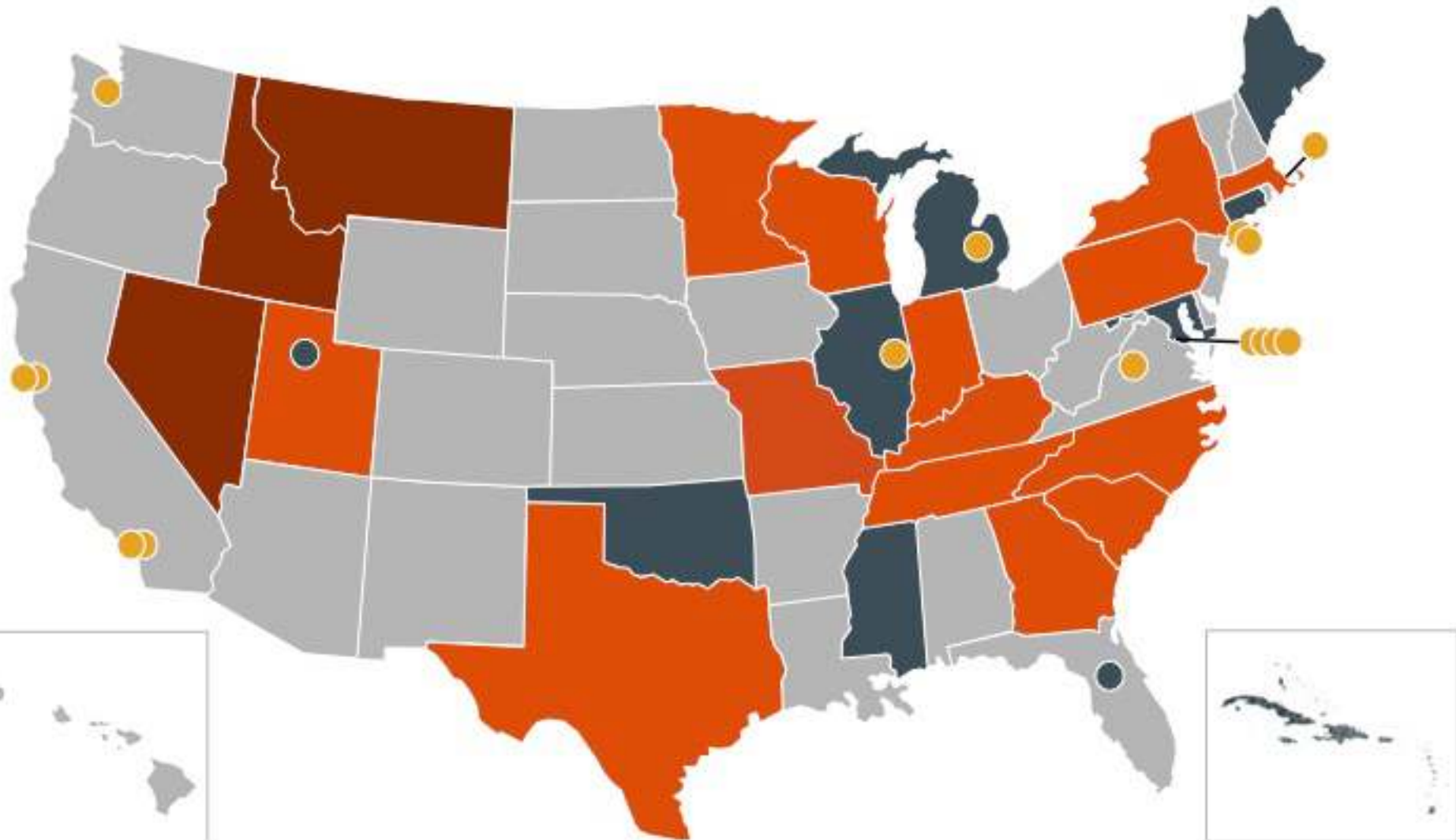


Partner Institutions



DPLA Hubs locations

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



API Codex

Welcome to the DPLA API Codex! This is where you can find authoritative documentation for the DPLA API and resources you can use to make the most of it. We're happy to have you. (Wondering why we built an API in the first place? Check out our [philosophy](#).)

What now?

- If you've never played (or worked) with an API before, head on over to [API Basics](#). We'll get you started accessing some of our data.
- If you're already familiar with APIs in general and you just want to know how to get at our data, skip the basics and dive right into [requests](#) (Make sure you [get an API key](#) first.)
- Once you've got some shiny new [JSON-LD](#), how can you tell what it all means? In [responses](#), we explore the [structure](#) of objects and [define](#) the fields within those objects that the API will return.
- Ready to start building something against our API, but want to know how we operate? We've got you. Check out our [policies](#).
- Uh oh. You're lost. We're lost. Everything's broken. I'm confused. Time to check out our [troubleshooting and FAQ](#) page!
- Confused by the terminology we're using? Check out the [glossary of terms](#).
- Did we miss/break/overlook/forget something? [Tell us](#).

The essentials

Need to start *right now*? Here's a cheat sheet.

- `http://api.dp.la/v2` is the base URL of the DPLA API.
- `items` and `collections` are the two resource types you can request.
- In order to pass requests to the API, you'll need to [request an API key](#) first. You also need to append `&api_key=$YOUR_KEY` (where `$YOUR_KEY` is your 32-character key) to any requests you make.
- All records are returned as [structured](#), wonderful, [JSON-LD objects](#). And we have [reasons](#) for that.
- We've got a boatload of [fields you can query](#), and a whole bunch of [ways you can query them](#).
- Dive head first into a bucket full of kitten metadata: `http://api.dp.la/v2/items?q=kittens&api_key=`. (Copy and paste the URL into your browser and add your API key on the end.)

API CODEX

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[API Basics](#)

[Requests](#)

[Responses](#)

[Object Structure](#)

[Field Reference](#)

[Glossary](#)

[Policies](#)

[Philosophy](#)

[Technologies](#)

[Troubleshooting & FAQ](#)

[Issue Tracker](#)

[Contact](#)

The best thing to do with your data
will be thought of by someone else.

-Rufus Pollock, Open Knowledge Foundation



DPLA Metadata = Public Domain

DPLA by the numbers

13,850,000+ records

35 hubs and counting

2000+ contributing institutions

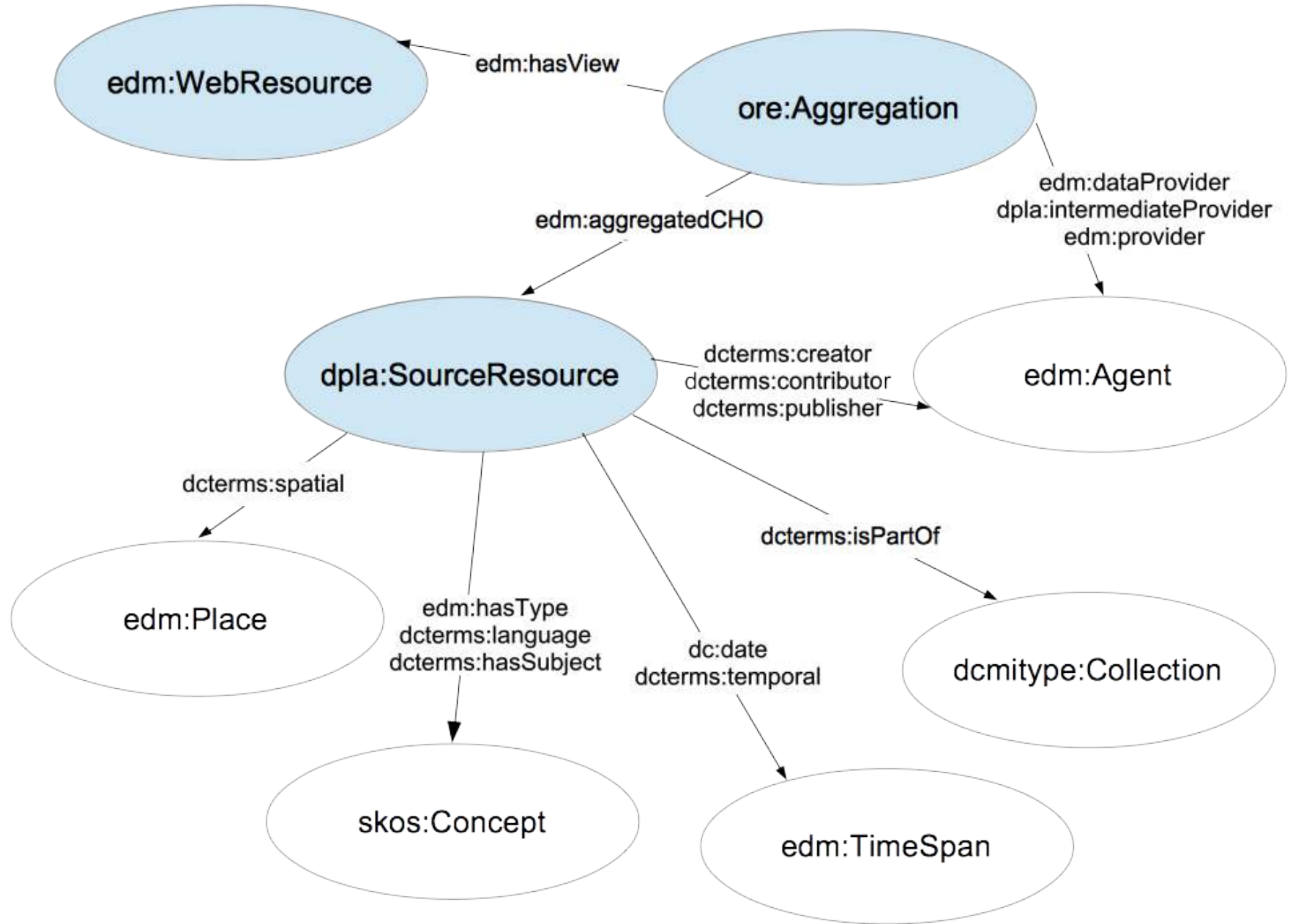
DPLA by the numbers

...4 major metadata schemas, 1 product-specific formats, 5 institution-specific formats

DPLA's Metadata Application Profile

- Originally developed between 2012 and 2013
- Based on the Europeana Data Model
- Currently in version 3.1
- Undergoing update to version 4

MAP v4



Namespaces

- Content in RDF (cnt): <http://www.w3.org/2011/content#>
- Dublin Core (dc): <http://purl.org/dc/elements/1.1/>
- Dublin Core Terms (dcterms): <http://purl.org/dc/terms/>
- DCMI Type Vocabulary (dcmitype): <http://purl.org/dc/dcmitype/>
- Europeana Data Model (edm): <http://www.europeana.eu/schemas/edm/>
- Geonames (gn): <http://www.geonames.org/ontology#>
- Open Annotation (oa): <http://www.w3.org/ns/oa#>
- OAI Object Reuse and Exchange (ore): <http://www.openarchives.org/ore/terms/>
- Resource Description Framework (rdf): <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
- RDF Schema (rdfs): <http://www.w3.org/2000/01/rdf-schema#>
- Simple Knowledge Organization System (skos): <http://www.w3.org/2004/02/skos/core#>
- World Geodetic System (wgs84): http://www.w3.org/2003/01/geo/wgs84_pos#

Temporal Data in DPLA MAP

- `<dc:date>`
 - Date of creation of original object
- `<dcterms:temporal>`
 - Temporal characteristics of the object (aboutness)

Both properties are references to an instance of the `<edm:TimeSpan>` class

<edm:TimeSpan>

4.2.E class = edm:TimeSpan

TimeSpan is used to declare more complete information about a specific date or range of time related to an SR.

Label	Source	Property	Sub-property of	Range	Usage	Vocab Schema	Syntax Schema	Obligation
Original Source Date	P	dpla:providedLabel .[property].providedLabel			Date value as supplied by data provider. Literal.			0 – n
Begin	D	edm:begin .[property].begin			Date timespan started. Literal.		EDTF	0 – 1
End	D	edm:end .[property].end			Date timespan finished. Literal.		EDTF	0 – 1

Temporal Enrichments

- `Parse_date.rb`
 - Normalize given date to EDTF format
- `Timespan_split.rb`
 - Derive a begin and end date from a given date or date range
- `Timespan_label.rb`
 - Create a label for display from a given begin and end date

More »

Type

text	53341
image	14411
moving image	28
sound	26
physical object	5

Date

From
Month Day Year

To
Month Day Year

Update

[19027]

[Get full text from Library of Congress](#)



TEXT

[Catalogue of the University of Texas at Austin](#)

University of Texas at Austin

1900-2016

Z, UA200.5, C28.

[Get full text from University of Illinois](#)



IMAGE

[State capitol, Austin, Texas](#)

1930-1945

Title from item.

[Get full image from Boston Public Library](#)



[Cities: Austin, Texas](#)

2007-04-19

Photographer: David Valdez-HUD Photo Creation Date: 4/19/2007.

[Get full item from National Archives at College Park - Still Pictures](#)



IMAGE

[\[Bluebonnets in Austin, Texas\]](#)





austin texas



Timeline

Your search for austin texas returned 64,005 results with dates from 202 contributing institutions

< Hide

Refine search

Subject

Government and Law	40641
Elected Officials	20802
Laws—Texas	19941
Attorney Generals	19876
Attorneys general's opinions—Texas	19060

More »

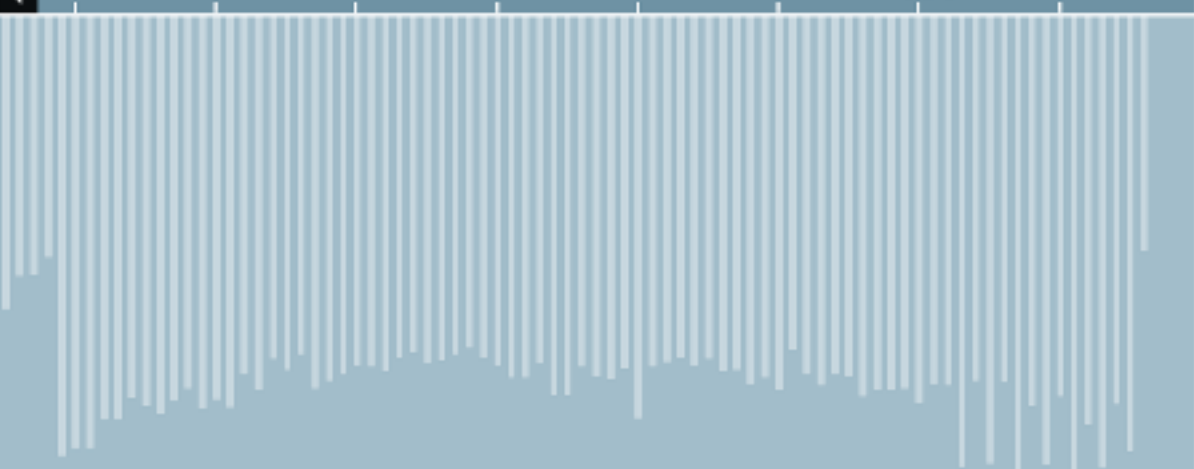
Location

United States - Texas	20034
United States - Texas - Travis County - Austin	13946
Texas	816
United States - Texas - Travis County	699

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

View: Decades

◀ 1940 1950 1960 1970 1980 1990 2000 2010



Refine search

Subject

Government and Law	40641
Elected Officials	20802
Laws--Texas	19941
Attorney Generals	19876
Attorneys general's opinions--Texas	19968

More »

Location

United States - Texas	38834
United States - Texas - Travis County - Austin	13946
Texas	816
United States - Texas - Travis County	533
United States - Texas - Austin County - Bellville	546

More »

Language

English	55245
Spanish	1079
German	404

1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

View: Decades Years

1993

491 items

TEXT

[The Eagle, Yearbook of Stephen F. Austin High School, 1993](#)
Stephen F. Austin High School



1993

Yearbook for Stephen F. Austin High School in Port Arthur, Texas includes photographs of and information about the school, student body, teachers, and organizations.

[Get full text from Port Arthur Public Library](#)

TEXT

[Texas Travelog, October 1993](#)
Texas. Department of Transportation



1993-10

Newsletter dedicated to traveling in Texas, including information about news, locations, and events of interest to visitors as well as statistics and summaries of travel in the state.

[Get full text from UNT Libraries Government Documents Department](#)

TEXT

[Texas Travelog, July 1993](#)



DPLA Spatial Metadata

dcterms:Spatial

skos:prefLabel

skos:providedLabel

wgs_84:position_lat

wgs_84:position_long

wgs_84:positional_alt

geojson:geometry

gn:parentFeature

gn:countryCode

skos:note

DPLA enriched record

Provided spatial information:

```
<mods>
  <subject>
    <geographic>College Point, NY</geographic>
```

DPLA enriched data:

```
"spatial": [
  {
    "@id": "_:b3",
    "@type": "edm:Place",
    "exactMatch": "http://sws.geonames.org/5113302/",
    "http://www.geonames.org/ontology#countryCode": "US",
    "http://www.w3.org/2003/01/geo/wgs84_pos#lat": {
      "@value": "4.07876E1",
      "@type": "xsd:double"
    },
    "http://www.w3.org/2003/01/geo/wgs84_pos#long": {
      "@value": "-7.384596999999999E1",
      "@type": "xsd:double"
    },
    "name": "College Point, NY, United States",
    "providedLabel": "College Point, NY"
  }
]
```

[← back to search results](#)

Aerial View of College Point and Corona

[Save To...](#)[Share](#)[Get full image from Queens Borough Public Library](#)

Creator	Borough President of Queens
Partner	Empire State Digital Network
Contributing Institution	Queens Borough Public Library
Description	Aerial view, looking south, from College Point toward Corona and Flushing Meadows. Flushing Sand and Stone Co., located at 32-17 Lawrence Street and Hunts Point Coke can be seen. Flushing Bridge can be seen on the right. Construction for the World's Fair can be seen in the distance.
Location	College Point, NY College Point (New York, N.Y.) Corona (New York, N.Y.) Queens (New York, N.Y.)
Format	gelatin silver print
Type	Image
Subject	Sand and gravel industry Aerial views College Point, NY College Point (New York, N.Y.) Corona (New York, N.Y.) Queens (New York, N.Y.)
Rights	The Queens Library is interested in learning more about items you've seen on our websites or elsewhere online. If you have any more information about an item or its copyright status, we want

Map

Your search for college point, ny returned 590 results with location coordinates from 9 contributing institutions

< Hide

Refine search

Subject	
Queens (New York, N.Y.)	579
College Point (New York, N.Y.)	494
Uniforms	96
Fire fighters	95
Dwellings	91
More >	

Location	
Queens (New York, N.Y.)	579
College Point (New York, N.Y.)	494
14th Street (now 123rd Street) at the corner of High Street (now 14th Avenue), College Point, NY	87
Flushing (New York, N.Y.)	75
College Point, NY	71
More >	

Click on a circle to see items about that location.

