

# Libraries Projects Updates ILS/LSP, FAST Headings, Wiki Platform

SIRIS Users Group Meeting  
August 12, 2021

[bit.ly/SIRIS202108SLA](https://bit.ly/SIRIS202108SLA)

Jackie Shieh  
Descriptive Data Management Librarian



Smithsonian  
*Libraries and Archives*

# Three part updates

- Horizon replacement: LSP status report
- FAST heading project +: URIs, punctuations, Share Virtual Discovery Environment (SVDE)
- Wiki platform experimentations: Wikidata and Wikibase

# LSP update

# Library Service Platform

a unified management of library services and collections that is based on a service oriented architecture and Web-based (cloud) multi-tenant system

# LSP Strategy Group

## Members

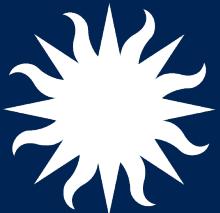
- Erik Bergstrom, around Summon and discovery layer
- Heidy Berthoud
- Kristen Bullard
- Ricc Ferrante
- *Barbara Ferry, co-chair*
- Melanie Hall
- *Martin Kalfatovic, co-chair*
- *Polly Khater, co-chair*
- Polly Lasker
- Bess Missell
- Suzanne Pilsk, communications
- Jackie Shieh

# LSP Functional Groups

- Access & search
- Acquisitions & procurement
- Analytics & reporting
- Resource sharing (circulation, ILL)
- Descriptive data
- Digital collections
- System & Technology

- Timeline
  - May: Review literatures, SOW from others, forming subgroups
  - June-July: subgroups meet, drafted relevant sections of SOW
  - August: SOW draft review with stakeholders
  - September 30: SOW completed

# Question?



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[librariesarchives.si.edu](http://librariesarchives.si.edu)

# FAST Headings + ...



# Faceted Application of Subject Terminology



- Adapted from LCSH
- Simple to learn and apply
- Friendly and faceted-based
- Flexibility and modern look in design

# Pre-coordinated LCSH

600 \$a Washington, George, \$d 1732-1799

650 \$a Trenton, Battle of, Trenton, N.J., 1776 \$v Juvenile literature

651 \$a Delaware River (N.Y.-Del. and N.J.)

600 17 \$a Washington, George \$d 1732-1799 \$2 fast \$0 (OCOlc)fst00178100

About the person

647 7 \$a Battle of Trenton \$c (Trenton, New Jersey : \$d 1776) \$2 fast \$0 (OCOlc)fst01404297

Event

648 7 \$a 1776 \$2 fast

Chronology

651 7 \$a New Jersey \$z Trenton \$2 fast \$0 (OCOlc)fst01207908

Geographic

651 7 \$a United States \$z Delaware River \$2 fast \$0 (OCOlc)fst01310316

Genre

655 7 \$a Juvenile works \$2 fast \$0 (OCOlc)fst01411637

# Enhanced FAST with URI

600 17 \$a Washington, George \$d 1732-1799 \$2 fast \$0 (OCOlc)fst00178100

647 7 \$a Battle of Trenton \$c (Trenton, New Jersey : \$d 1776) \$2 fast \$0 (OCOlc)fst01404297

648 7 \$a 1776 \$2 fast

651 7 \$a New Jersey \$z Trenton \$2 fast \$0 (OCOlc)fst01207908

651 7 \$a United States \$z Delaware River \$2 fast \$0 (OCOlc)fst01310316

655 7 \$a Juvenile work. \$2 fast \$0 (OCOlc)fst01411637

600 17 \$a Washington, George \$d 1732-1799 \$2 fast \$0 <http://id.worldcat.org/fast/00178100>

647 7 \$a Battle of Trenton \$c (Trenton, New Jersey : \$d 1776) \$2 fast \$0 <http://id.worldcat.org/fast/01404297>

648 7 \$a 1776 \$2 fast

651 7 \$a New Jersey \$z Trenton \$2 fast \$0 <http://id.worldcat.org/fast/01207908>

651 7 \$a United States \$z Delaware River \$2 fast \$0 <http://id.worldcat.org/fast/01310316>

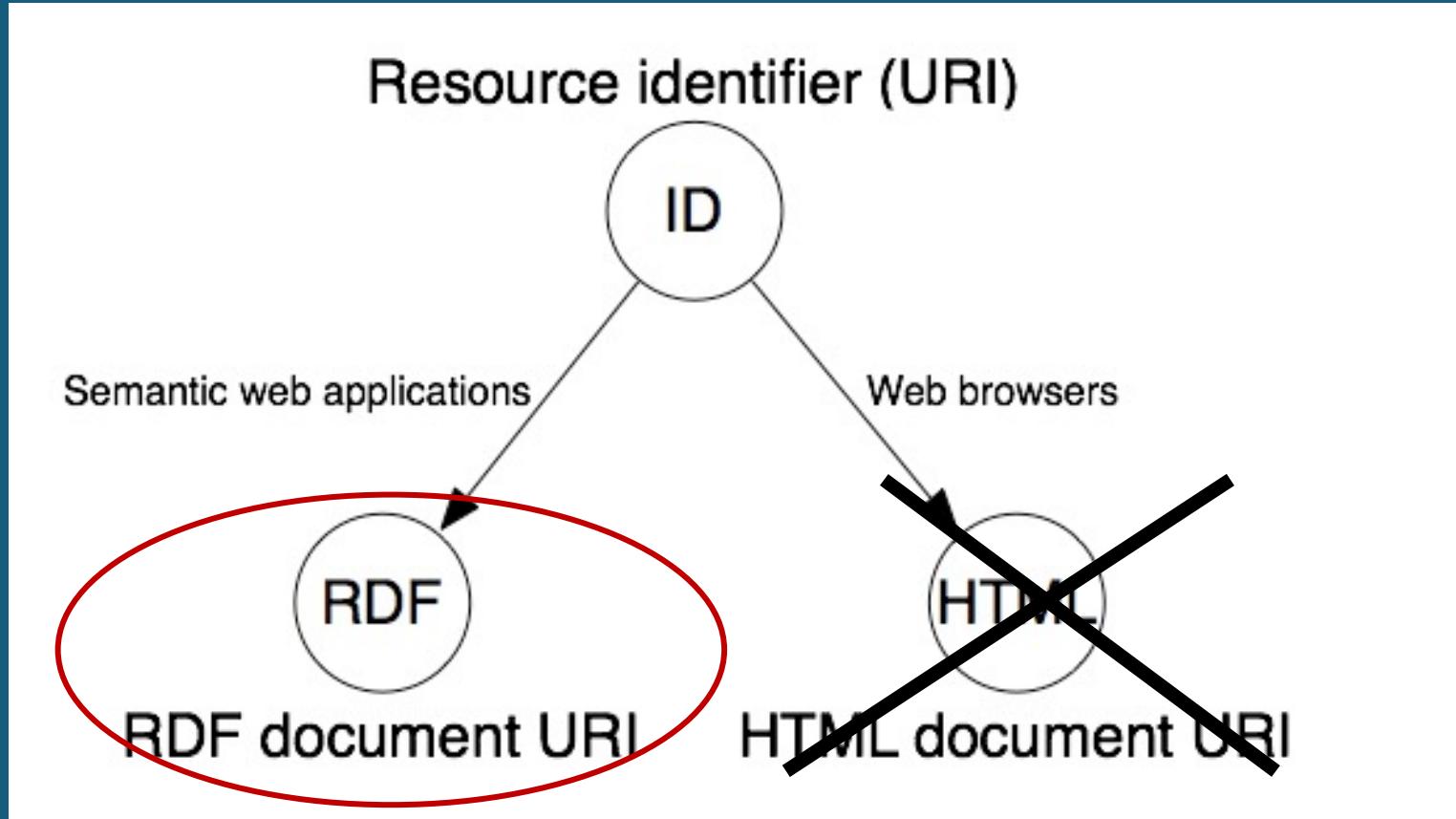
655 7 \$a Juvenile works \$2 fast \$0 <http://id.worldcat.org/fast/01411637>



# Not all URIs are equal

3XX: Request  
will complete  
after further  
action

301 (Redirect)  
303 (See other)



2XX: Request  
successfully received,  
understood and  
accepted

<https://www.w3.org/TR/cooluris/>

# Dereferenceable URI not URL

PreferLabel	Entity	URI	URL
George Washington	Washington, George, 1732-1799	<a href="http://id.loc.gov/authorities/names/n86140996">http://id.loc.gov/authorities/names/n86140996</a>	<a href="https://id.loc.gov/authorities/names/n86140996.html">https://id.loc.gov/authorities/names/n86140996.html</a>
Battle of Trenton	Trenton, Battle of, Trenton, N.J., 1776	<a href="http://id.loc.gov/authorities/subjects/sh85137295">http://id.loc.gov/authorities/subjects/sh85137295</a>	<a href="https://id.loc.gov/authorities/subjects/sh85137295.html">https://id.loc.gov/authorities/subjects/sh85137295.html</a>

# Workflow demo

*video clip: [bit.ly/SI\\_LinkedData\\_cataloging](http://bit.ly/SI_LinkedData_cataloging)*

- MacroExpress
- Win10 Powershell
- MarcEdit
- OCLC Connexion
- Horizon

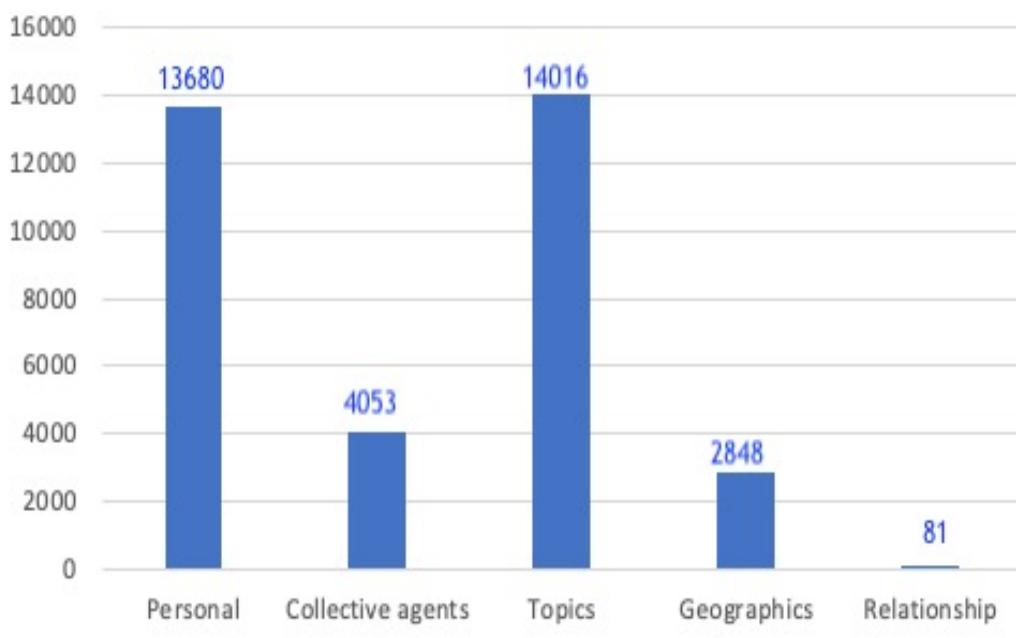
# Before and after FAST/LD enhancements

LDR  
005 n a m \_ \_ \_  
005 20000111174600.0  
008 721024 s 1930 \_ \_ \_ nyu a \_ \_ \_ \_ \_ 0 0 0 0 \_ eng \_ d  
035 - - - #a AAC3510LB  
035 - - - #a (OCoLC)ocm00476263  
040 - - - #a DXU #c DXU #d OCL #d SMI #d WaOLN #d WaOLN  
049 - - - #a SMJB  
090 - - - #a GN738 #b .B54  
099 - - - #a GN738.B54  
100 1 - - #a Bishop, Carl Whiting.  
245 1 0 #a Man from the farthest past, #c by C.W. Bishop, Charles Greeley Abbot  
260 - - - #a New York, #b Smithsonian Institution Series, inc., #c 1930.  
300 - - - #a 375 p. #b illus.  
490 1 - - #a Smith. Sci. Ser., #v vol. 7  
650 - 0 #a Prehistoric peoples  
650 - 0 #a Primitive societies  
700 1 - - #a Abbot, C. G. #q (Charles Greeley), #d 1872-1973  
700 1 - - #a Hrdlička, Aleš, #d 1869-1943  
830 - 0 #a Smith. Sci. Ser. ; #v vol. 7.  
945 - - - #a RCP  
945 - - - #a osds 4/10/96 update 700/1  
945 - - - #a osds 9/23/96 update 700/2  
951 - - - #a 23492

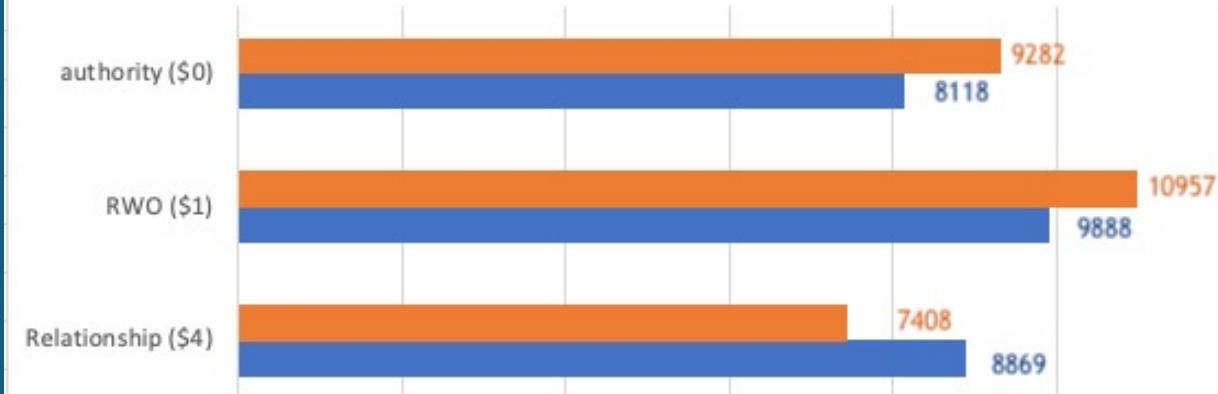
LDR 02016cam a2200481Ic 4500  
001 ocm00853300/  
003 OCoLC  
005 20210412090125.0  
008 740410s1930\\\nyuabf\\\nb\\\n000\\0\\eng\\\n010 \\\\$a 30033590  
040 \\\\$aDLC\\$beng\\$erda\$cRIU\$dCHS\$dOCL\$dSER\$dOCL\$dOCLCG\\$dOCLCQ\$dOCLCG\\$dUPMS\$dVVW\$dOCLCO\$dOCLCF\$dP4I\$dKKU\$dOCLCO  
\$dOCLCQ\$dUCW\\$dOCLCO\\$dCSJ\\$dOCLCO  
019 \\\\$a476263\\$a987053994\\$a1016202899  
035 \\\\$a (OCoLC) 853300\\$z (OCoLC) 476263\\$z (OCoLC) 987053994\\$z (OCoLC) 1016202899  
050 00\\$aGN738\$b.B5  
050 \\\\$aQ11\$b.b.573 v. 7  
051 \\\\$aQ11\$b.b.5732 vol. 7\$cCopy 2  
060 \\\\$aQ 11 S664 v.7 1930  
082 04\\$a571  
049 \\\\$aSMII  
100 1\\$aBishop, Carl Whiting, \$d1881-1942\$eauthor\$4http://id.loc.gov/vocabulary/relators/aut\$0http://id.loc.gov/  
authorities/names/nr00024618\$1http://viaf.org/viaf/26903912  
245 10\\$aMan from the farthest past\$cby Carl Whiting Bishop ... with the collaboration of Charles Greeley Abbot  
... and Aleš Hrdlička  
264 1\\$a [New York] \\$b [Smithsonian Institution series, Incorporated] \$c 1930  
300 \\\\$a6 preliminary leaves, iii, 375 pages\$bcolor frontispiece, illustrations (including map) 100 plates  
(some color) on 65 leaves\$c25 cm  
336 \\\\$atext\$btxt\$2rdacontent\$0http://id.loc.gov/vocabulary/contentTypes/txt  
337 \\\\$aunmediated\$bn\$2rdamedia\$0http://id.loc.gov/vocabulary/mediaTypes/n  
338 \\\\$avolume\$bnc\$2rdacarrier\$0http://id.loc.gov/vocabulary/carriers/nc  
490 1\\$aSmith. Sci. Seri. ;\$vv. 7  
500 \\\\$aOn cover: Patrons edition  
500 \\\\$aOne of the plates accompanied by guard sheet with descriptive letterpress  
504 \\\\$aIncludes bibliographical references (pages 352-358)  
650 \\\\$aAnthropology\$0http://id.loc.gov/authorities/subjects/sh85005581  
650 \\\\$aPrehistoric peoples\$0http://id.loc.gov/authorities/subjects/sh85080302  
650 \\\\$aCivilization\$xHistory\$0http://id.loc.gov/authorities/subjects/sh85026424  
650 \\\\$aAnthropology\$2fast\$0http://id.worldcat.org/fast/00810196  
650 \\\\$aCivilization\$2fast\$0http://id.worldcat.org/fast/00862898  
650 \\\\$aPrehistoric peoples\$2fast\$0http://id.worldcat.org/fast/01075242  
650 \\\\$aAnthropology\$0http://id.nlm.nih.gov/mesh/D000883  
650 \\\\$aCivilization\$xhistory\$0http://id.nlm.nih.gov/mesh/D002962Q000266  
655 \\\\$aHistory\$2fast\$0http://id.worldcat.org/fast/01411628  
700 1\\$aAbbot, C. G.\$q(Charles Greeley) \$d1872-1973\$eauthor\$4http://id.loc.gov/vocabulary/relators/aut\$0http://  
id.loc.gov/authorities/names/n50039866\$1http://viaf.org/viaf/77062086  
700 1\\$aHrdlička, Aleš \$d1869-1943\$eauthor\$4http://id.loc.gov/vocabulary/relators/aut\$0http://id.loc.gov/  
authorities/names/n50042241\$1http://viaf.org/viaf/51797905  
758 \\\\$4http://rdaregistry.info/Elements/u/P60052\$1http://worldcat.org/entity/work/id/1549069  
830 \\\\$aSmithsonian scientific series ;\$vv. 7  
951 \\\\$a23492

# URIs counts in Horizon

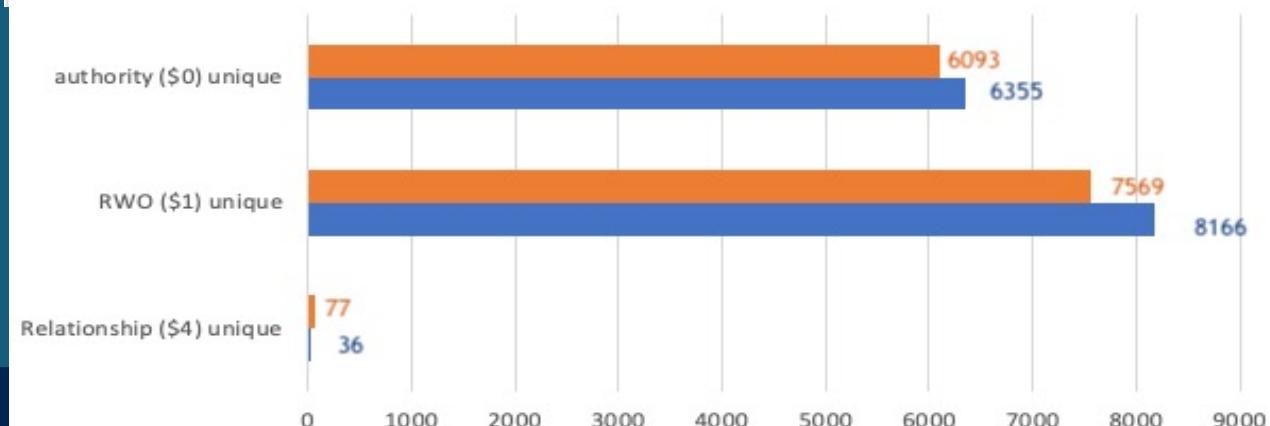
Unique RDF URI by category



URIs Occurrences (MARC **100** vs **700**)



URIs Single Occurrence (MARC **100** vs **700**)



# Bib data enhancements

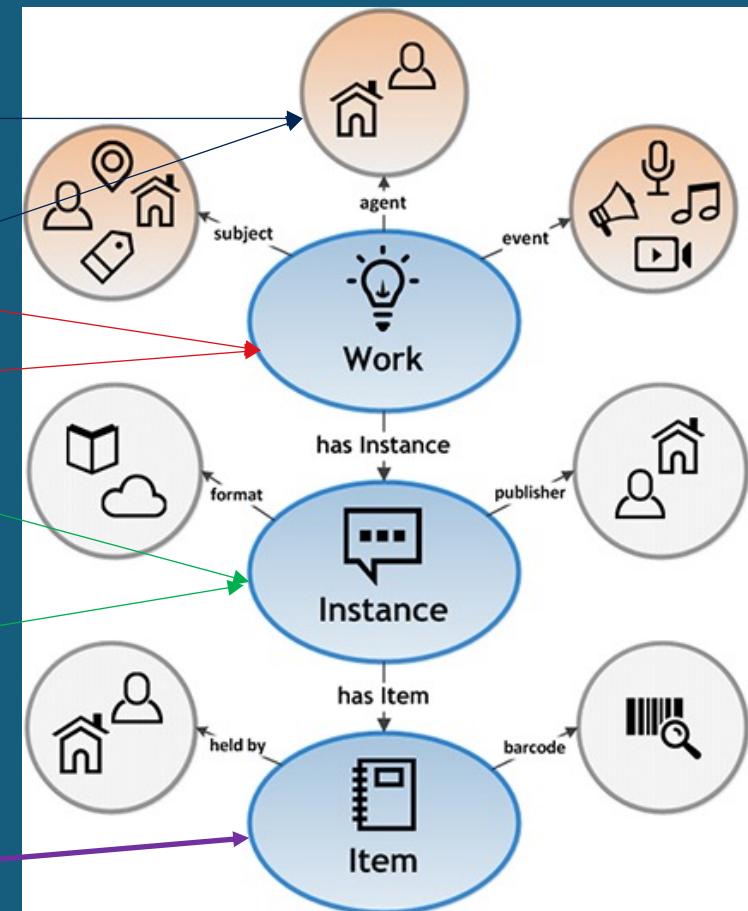
- Added FAST identifiers (then converted to URLs)
- Updated MARC encoding standards and data validation
- RDA content standards
- Added URLs to AAPs and alternates (1xx, 6xx, 7xx)
- Replaced/added relationship URI (\$4) to relator code
- Removed ISBD punctuation (trailing and between subfields)

# Prep MARC to BIBFRAME

# Entitification

## Catalog record to BIBFRAME entity

Man from the farthest past, / by C.W. Bishop, Charles Greeley Abbott, and Aleš Hrdlička.			
Author:	Bishop, Carl Whiting.		
Title:	Man from the farthest past, / by C.W. Bishop, Charles Greeley Abbott, and Aleš Hrdlička.		
Publisher:	New York, Smithsonian Institution Series, inc., 1930.		
Description:	375 p. illus.		
Series:	Smith. Sci. Ser. -- vol. 7		
Subject:	Prehistoric peoples Primitive societies		
Added Author:	Abbot, C. G. (Charles Greeley), 1872-1973 Hrdlička, Aleš, 1869-1943		
Added Series:	Smith. Sci. Ser. ; vol. 7.		
Catalog Source No.:	(OCOLOC)ocm00476263		
Copy/Holding information			
Call No.	Collection	Barcode	Status
GN738 .B54	SI Tropical Research Institute	39088001335785	Checked In



bibframe.org

# Entity relationship



## Man from the farthest past, by Bishop, Charles Greeley Abbot Ales Hrdlicka

Smithsonian Libraries and Archives

### Object Details

#### Author

Bishop, Carl Whiting

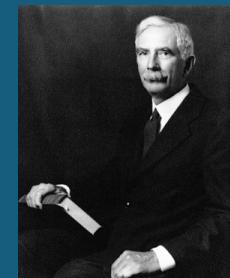
Abbot, C. G (Charles Greeley) 1872-1973

Hrdlička, Aleš 1869-1943

1930

[si.edu/object/siris\\_sil\\_23492](http://si.edu/object/siris_sil_23492)

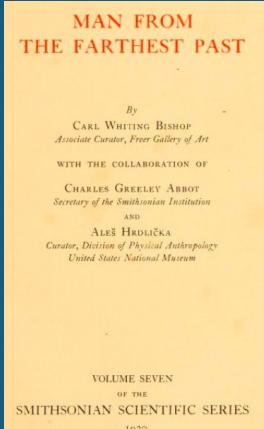
Author:	Bishop, Carl Whiting, 1881-1942 author
Title:	<b>Man from the farthest past / by Carl Whiting Bishop ... with the collaboration of Charles Greeley Abbot ... and Aleš Hrdlička</b>
Publisher:	[New York] [Smithsonian Institution series, Incorporated] 1930
Description:	6 preliminary leaves, iii, 375 pages color frontispiece, illustrations (including map) 100 plates (some color) on 65 leaves 25 cm
Series:	Smith. Sci. Seri. ; -- v. 7
Notes:	On cover: Patrons edition One of the plates accompanied by guard sheet with descriptive letterpress
Bibliography Note:	Includes bibliographical references (pages 352-358)
Subject:	Anthropology Prehistoric peoples Civilization -- History Anthropology Civilization Prehistoric peoples Anthropology Civilization -- history
Genre:	History
Added Author:	Abbot, C. G. (Charles Greeley) 1872-1973 author
Added Series:	Hrdlička, Aleš 1869-1943 author
	Smithsonian scientific series ; v. 7



Charles Greeley Abbot  
[viaf.org/viaf/77062086](http://viaf.org/viaf/77062086)

[id.loc.gov/authorities/names/n50039868](http://id.loc.gov/authorities/names/n50039868)

[Is] author [of]  
[id.loc.gov/vocabulary/relators/aut](http://id.loc.gov/vocabulary/relators/aut)



MAN FROM  
THE FARTHEST PAST

By  
CARL WHITING BISHOP  
Associate Curator, Freer Gallery of Art

WITH THE COLLABORATION OF

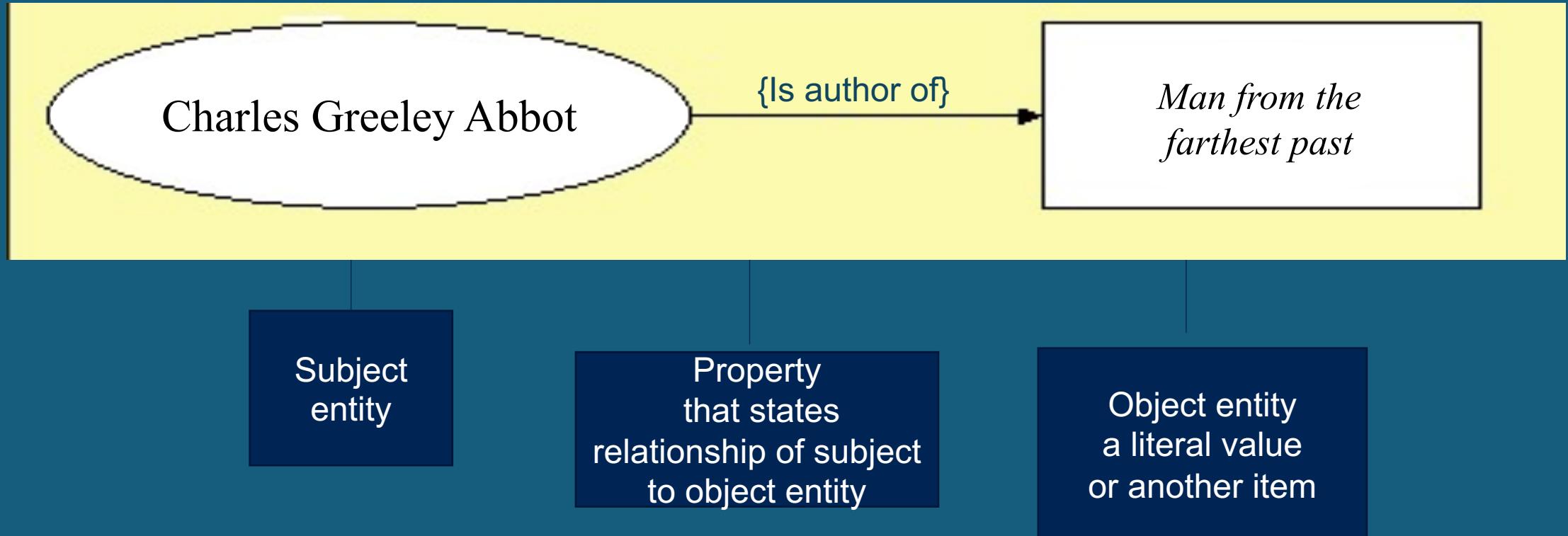
CHARLES GREELEY ABBOT  
Secretary of the Smithsonian Institution

AND

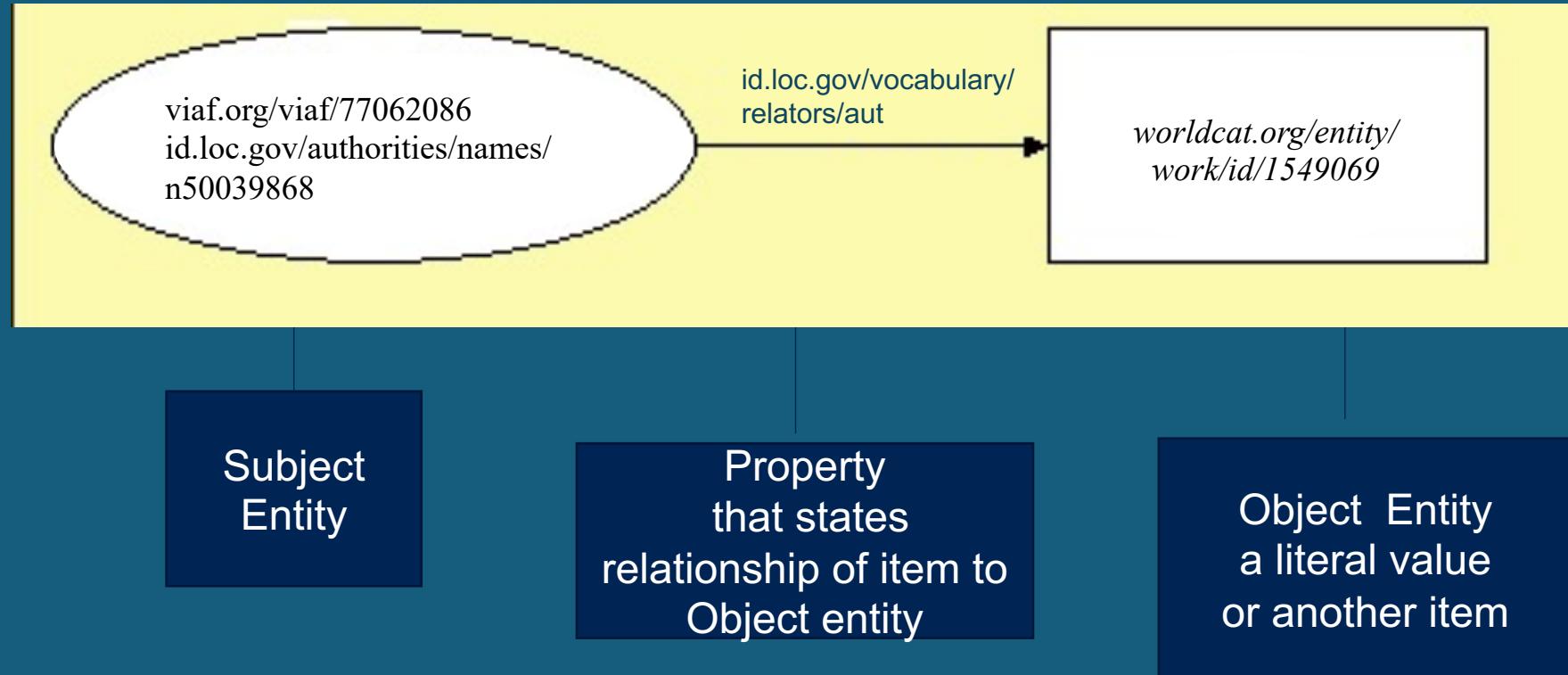
ALEŠ HRDLIČKA  
Curator, Division of Physical Anthropology  
United States National Museum

VOLUME SEVEN  
OF THE  
SMITHSONIAN SCIENTIFIC SERIES  
1930

# A RDF entity statement



# Same entity statement with URIs



# Where do URIs go?

*MARC bibliographic record:*

\$0 Authority record control number or standard number

\$0 <http://id.loc.gov/authorities/names/n90710805>

\$1 Real World Object (RWO)

\$1 <http://www.wikidata.org/entity/Q36322>

\$4 Relationship

\$4 <http://id.loc.gov/entities/relationships/composer>

\$4 <http://rdaregistry.info/Elements/a/P50522>

\$u URL (*Uniform Resource Locator*)

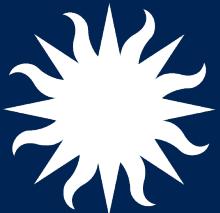
\$u <https://id.loc.gov/authorities/names/n90710805.html>

# Latest endeavor: Share VDE Initiative

- Funded by CIS IRM Poll fund
- Sample set of 125 records (06/30)
  - Bib and item records
- Prepare specs to extract Horizon
  - authority, bibs and items
- Enhanced MARC bib and authority data
- Transformed MARC bib data in BIBFRAME RDF/xml

[wiki.share-vde.org](http://wiki.share-vde.org)

# Question?



Smithsonian  
*Libraries and Archives*

[librariesarchives.si.edu](http://librariesarchives.si.edu)



# Wiki Projects

# Wiki: What is it?

- Wiki – a collaborative platform for writing and publishing via a user agent, e.g., browser
- Wikipedia – a collaboratively edited, multilingual, free Internet encyclopedia supported by the non-profit Wikimedia Foundation
- ***Wikidata – a global database (repository), hosting structured data in triples:***  
"this" "is" "that" (subject item (Q#))—property (P#)—object item (Q#))
- ***Wikibase – a software that drives Wikidata, which supports structured data***
- ***Data modeling – analyze data requirements to support logic, structure, discoverability, context, etc.***

# Linked data resources in Libraries' PRISM



Smithsonian Libraries and Archives

Home Services and Guides Collections and Search Records Management About Us Contact Us

## Wikimedia and Linked Data

The [Descriptive Data Management](#) and the [Resource Description](#) departments of SLA provide expertise to the Smithsonian Community on Linked Open data, Wikimedia Commons, Wikipedia, Wikidata and Wikimedia Projects Training.

### Contact

[Wikimedia and Linked Data inquiries](#)

### Wikimedia Project Services

SLA has staff members who provide the following services:

- Training for groups and individuals in editing [Wikipedia](#) and other [Wikimedia Foundation](#) projects (such as [Wikidata](#) and [Wikimedia Commons](#)) for Smithsonian staff, interns, fellows, volunteers and affiliates
- Presentations on creating and improving Wiki content in your unit's area of subject expertise
- Assisting in your unit's educational and public outreach efforts through [Wikimedia Foundation](#) projects
- Acting as a liaison with Wikipedians locally and worldwide who are working on [GLAM \[Galleries, Libraries, Archives & Museums\]](#) projects and are eager to be of help by designing tools or serving on short or long-term volunteer assignments in collaboration with your unit.

### Linked Open Data Services

Structured data that links to another data point

- Person data
- Research data
- Description data
- Data modeling
- Bibframe
- How linked data impacts web results and visibility
- Consultation for data models and designs
- Data may include person data, collection data, metadata
- Controlled vocabulary or thesauri consultations for cultural heritage collections
- Consultations for Wikimedia projects, e.g. Wikipedia, [Wikimedia Commons](#) (audio, video, images), etc.

## Wikimedia and Linked Data FAQs

- » History
- » Smithsonian and Wiki Foundation Projects
- » Terms and Background about Wikimedia and Linked Open Data
- » What are linked data and linked open data?
- » What are semantic queries?
- » What is a SPARQL endpoint?
- » What is DBpedia? What is its relationship to Wikipedia and Wikidata?
- » What is Wikibase?
- » What is Wikidata?
- » What is Wikimedia Commons?
- » What will be the expected outcome?

# Smithsonian linked data and Wikimedia projects



Open source wiki software



Structured data repository



Free online multilingual encyclopedia



Media repository for image, sound, and video files



Online library of freely available source texts, including translations in any language



To collect world's knowledge in a structured manner to benefit all who seek knowledge

**data repository** that is open, free, collaborative, and multilingual, which collects structured data to support Wikipedia, Wikimedia Commons, and many other Wiki projects

item	property	value
Marie Curie	field of work	chemistry
Q7186	P101	Q2329

# Uses for Wikidata

- Identifiers clearing house
- A repository connecting facts about people, places, things, and concepts
- A host for data reuse in other projects

[wikidata.org/wiki/WD:1](https://wikidata.org/wiki/WD:1)

## WIKIDATA IN BRIEF

Claim: Item – Property – Value

Item Q number  
Property P number

item	property	value
Marie Curie	field of work	chemistry
Q7186	P101	Q2329

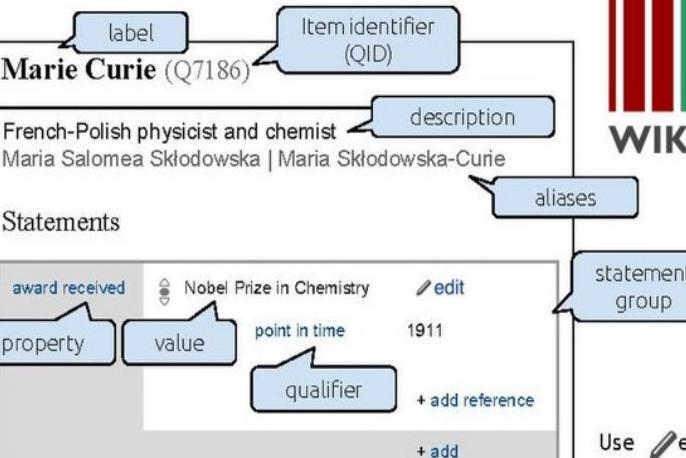
### Wikidata item basics

[Label](#), [description](#), [aliases](#) – human friendly language-specific strings

[Statements](#) – includes identifiers, sitelinks at bottom of an item

[Qualifiers](#) – adds details to claims (i.e. dates, distinctions, etc)

[Copyright](#) - all content in Wikidata is Creative Commons CC0 (public domain)



### Critical concepts

[Help:Basic membership properties](#)

Instance (P31) vs subclass (P279)

[Help:Sources](#)

Adding references, use "stated in" or "reference URL"

### Displaying items

[Reasonator](#) and [SOID](#) – rich visual display of Wikidata items

[Wikidata Graph Builder](#) – show connectedness of items based on properties

### Querying

[Query.wikidata.org](#) – SPARQL interface. Explore example queries and display options. CTRL-Space auto-expands item and property names to Q/P numbers.

[VizQuery](#) – simple query using rules without requiring coding



Version 1.3 (2018-11)  
by Andrew Lih  
(User:Fuzheadeo)  
licensed under  
CC BY SA 4.0  
andrew.lih@gmail.com

Digital version:  
[bit.ly/wikidata-onepage](http://bit.ly/wikidata-onepage)



### Simple editing tools

[Distributed Game](#) – contribute through Yes/No/Skip micro-decisions

[Mix-n-Match](#) – connect external identifiers to Wikidata items

### Bulk editing

[Quickstatements](#) – use tab-delimited claims to edit

[PetScan](#) – powerful toolbox for Wikipedia categories and Wikidata

[OpenRefine](#) – open source tool for cleaning messy data, reconciliation

[Data donation](#) - how and why to contribute, and guidelines for institutions

### Other tools

[TABernacle](#) – inspect and edit Wikidata interactively in table format

[Google Spreadsheet Wikipedia Tools](#) – query Wikipedia and Wikidata from spreadsheet cells

[External tools](#) – comprehensive list of all Wikidata tools

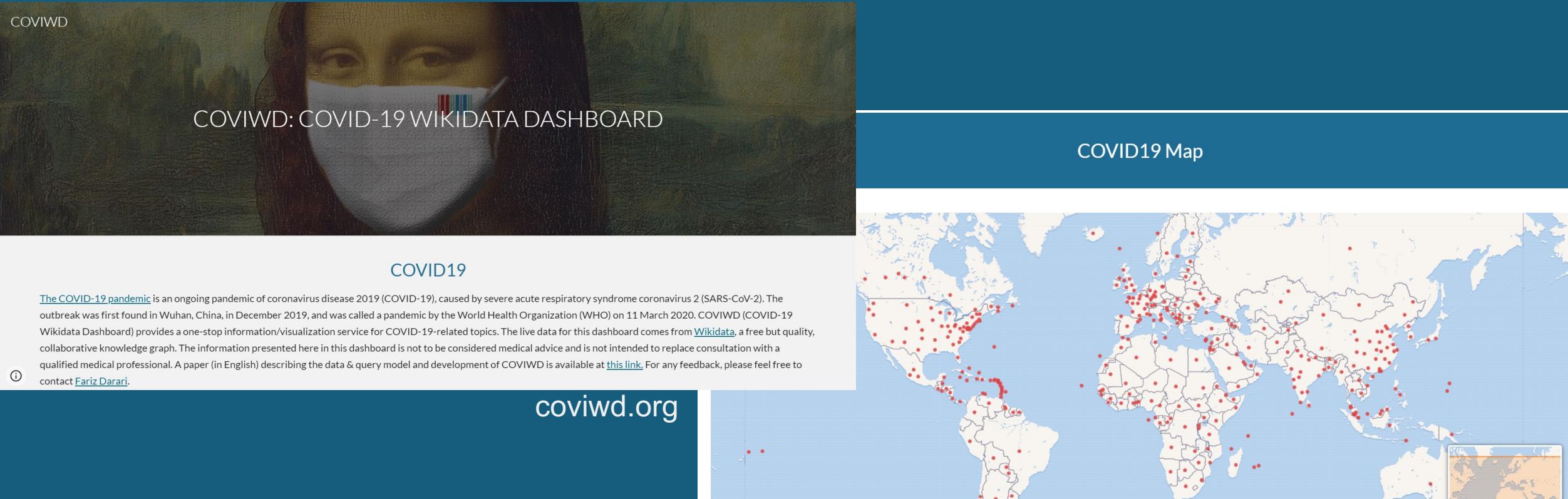
[WikiBase](#) – open source software extension to MediaWiki that runs Wikidata. Available as a Docker container to create a custom structured data repository

### Community and news

[Wikidata:Project chat](#) – discussion forum

[Wikidata>Status updates](#) – weekly summary newsletter

# COVID-19 Wikidata Dashboard





# Libraries' Wiki efforts

# How did we get started?

- Authority control needs
- Data starting point
  - Artists files—Libraries and museums
  - Languages and scripts for non-Latin collections
  - Researchers and published outputs



# Libraries Wikidata Projects

## Wikidata:WikiProject PCC Wikidata Pilot/Smithsonian Libraries

[Project page](#) [Discussion](#) [Star](#)

[Edit](#) [Edit source](#) [History](#)

< Wikidata:WikiProject PCC Wikidata Pilot

Welcome

Participants

Projects

Properties

Resources

[wikidata.org/wiki/Wikidata:WikiProject\\_PCC\\_Wikidata\\_Pilot/Smithsonian\\_Libraries](https://wikidata.org/wiki/Wikidata:WikiProject_PCC_Wikidata_Pilot/Smithsonian_Libraries)

- African ethnic groups
- Artists Files
- Dibner scientists portraits
- Chinese ancestors portraits (Qing Dynasty)
- Smithsonian Research Online (SRO)

*These projects all centered around dealing with **names** (people, organizational units), but also faced challenges with **multilingual scripts**, **ethics** concerns, and making **inferences***

# This is what we did

## Wikidata Properties

- Understanding data model in the Wikidata ecosystem
- Application & constraints
- Smithsonian internal and Wikidata community policies
- Standards, best practices and patterns
- Ethical questions
- Political issues
- Impacts from SPARQL queries

# Wikidata tools and APIs

- Scholia
- Crotos
- Art depiction explorer
- OpenRefine
- Mix'n'Match
- Entity explosion (browser add-on)
- Wikipedia/Wikidata Google spreadsheet (browser add-on)
- Smithsonian Institution  
[scholia.toolforge.org/topic/Q131626](http://scholia.toolforge.org/topic/Q131626)
- Kari Bruwelheide  
[scholia.toolforge.org/author/Q16727713](http://scholia.toolforge.org/author/Q16727713)
- Crotos home page  
[zone47.com/crotos/](http://zone47.com/crotos/)
- Alice Pike Barney, in Wedding Gown  
[art.wikidata.link/item/Q20488341](http://art.wikidata.link/item/Q20488341)
- OpenRefine (Libraries networked version)  
[sil-viweb-wikibase.si.edu:3333](http://sil-viweb-wikibase.si.edu:3333)
- Mix'n'Match  
[mix-n-match.toolforge.org/#/](http://mix-n-match.toolforge.org/#/)

# Smithsonian Wikidata Team presentations

- Libraries Discovery Services Forum  
June 23  
[bit.ly/DISC2021Forum0623](https://bit.ly/DISC2021Forum0623)
- 2021 LD4 Conference  
July 21  
[sched.co/joA8](https://sched.co/joA8)



# a decentralized perspective for Wikidata

software that WMDE has written to make Wikidata a powerful, flexible and customizable, available in multiple languages data repository, supports data serializations, e.g., JSON, N3, etc.

# Wikibases in Europe



FNE  
(Fichier national d'entités)  
NOEMI  
(Nouvelles Oeuvres, Expressions, Manifestations et Items)

{BnF}

French National Library

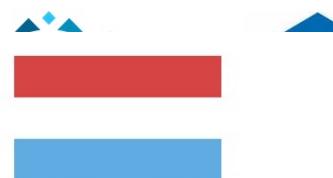
Bibliothèque nationale de France (BnF) and the Bibliographic Agency for Higher Education in France are building a new service for libraries and other GLAM institutions based on Wikibase.

[youtube.com/embed/J5mCem-hEMg](https://youtube.com/embed/J5mCem-hEMg)



German National Library

The Deutsche Nationalbibliothek (DNB) is adopting Wikibase for its Integrated Authority File (GND). The GND is used throughout German speaking countries and contains 8 million records on persons, corporate bodies, geographical names and more.



Luxembourg Ministry Of Culture

A competency network of 8 GLAM institutions are pursuing Wikibase for sharing authority information. They use the CIDOC-CRM ontology as a federation tool for data modelling and RDA-FR as normative rulebook for content.

# Wikibase & OCLC



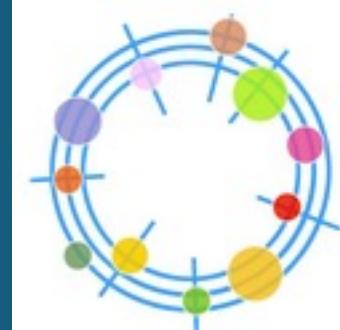
OCLC DevConnect Webinar Series, May 20, 2020

## Building an OpenRefine Reconciliation Service Endpoint for a Wikibase project

Services	
VIAF	<input type="checkbox"/>
Fast Reconciliation Service	<input type="checkbox"/>
Pictograph (en)	<input type="checkbox"/>
CONTENTdm linked data pilot Reconciliation service	<input type="checkbox"/>

Shared Entity Management Infrastructure

# Wikibase in art and archives



Linked Jazz

THE UNIVERSITY OF  
**ALABAMA**  
School of  
Library & Information Studies

Main page Discussion

Main Page

From Wikibase:

base.semlab.io/

Main page Recent changes Random page Help about MediaWiki Tools What links here Related changes

Main page Discussion More

Main Page

About

Welcome to the Semantic Lab at Pr installation, which serves as research. Current research | Project, and the Linked Jazz information on the Semantic please visit <https://semlab.io>

**RHIZOME**

Rhizome

Rhizome is a leading digital arts organization based in New York. They maintain the ArtBase, an archive of more than 2,000 born-digital works of art from the 1990s to the present day.



**DAAP**

**Wikidata and Wikibase for Film Archives**

# Wikibase: an SI-centric Wikidata

- What are the entity descriptions that will matter ?
- How much should be said about them?

Where do we start?

Where do we stop?

Should there be different treatments for opinions and interpretation?

What form should the description take?

Who will do the work?

[oclc.org/research/presentations/2019/111319-godby-NISO-what-are-entities-that-matter.html](http://oclc.org/research/presentations/2019/111319-godby-NISO-what-are-entities-that-matter.html)

# Wikibase: augmented and enriched with Wikidata

- Independent of, with a federation option to, Wikidata
- Technology stack, potential viable for developing linked data store
- Ability to develop specialized data model
- Local control over data (determining which claims to remain private),  
but at the cost of inter-relatability?
- Documentation: best practices
- System customization, e.g., Wikidata:Schemas in place of <property—constraint>

# Web services connected to Wikidata

- Library of Congress
  - [id.loc.gov/authorities/names/n50039868](https://id.loc.gov/authorities/names/n50039868)
- iNaturalist
  - [inaturalist.org/taxa/59202](https://inaturalist.org/taxa/59202)
- IMDB
  - [imdb.com/name/nm3584268](https://imdb.com/name/nm3584268)
- GeoName
  - [geonames.org/1850144](https://geonames.org/1850144)
- Spotify
  - [open.spotify.com/artist/0Sadg1vgvaPqGTOjxu0N6c](https://open.spotify.com/artist/0Sadg1vgvaPqGTOjxu0N6c)
- etc.

# External data embedded in library catalog

- Cornell new catalog
- Mich State catalog
- U-W Madison catalog
- [newcatalog.library.cornell.edu/catalog/8058246](http://newcatalog.library.cornell.edu/catalog/8058246)
- [d.lib.msu.edu/etd/3746/](http://d.lib.msu.edu/etd/3746/)
- [search.library.wisc.edu/catalog/9911042395202121](http://search.library.wisc.edu/catalog/9911042395202121)

# Installing Wikibase: a reality check

- What is the question: with or without Docker
- APIs: unbundled without Docker
- UI customization for user preferences

# Smithsonian Wikibase Pilot

Create account Log in

Main page Discussion Read View source View history Search SI Wikibase

**Main Page**

Welcome to the Smithsonian's Wikibase Pilot!

This instance is for getting us comfortable in the Wikibase environment, and to start modeling out how to implement a Wikibase for Smithsonian data.

Consult the [User's Guide](#) for information on using the wiki software.

Looking to search Properties? Try [Special:Search](#) and choose Advanced. Then you can select to search properties, items, discussion, or anything else listed.

**Contents [hide]**

- 1 Policies
- 2 Creating new items
- 3 Wikibase Components
- 4 Project Plans
- 5 Program Administration
- 6 Getting started

sil-viweb-wikibase.si.edu

Question?  
Thank you!

[bit.ly/SIRIS202108SLA](https://bit.ly/SIRIS202108SLA)



Smithsonian  
*Libraries and Archives*

[librariesarchives.si.edu](http://librariesarchives.si.edu)