

# Libraries Wiki Projects

CIMC Meeting  
Sept 15, 2021

[bit.ly/CIMC202109LibWD](https://bit.ly/CIMC202109LibWD)

Jackie Shieh  
Descriptive Data Management Librarian



Smithsonian  
*Libraries and Archives*

# Topics

- Wiki platform overview
- Smithsonian Wikimedia projects
- Wikidata & Wikibase
- Libraries Wikidata projects
- SI Wikibase pilot

# Wiki platform

# 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*
- ***Triple statement*** – "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.*

# Wikimedia family



# Open source wiki software

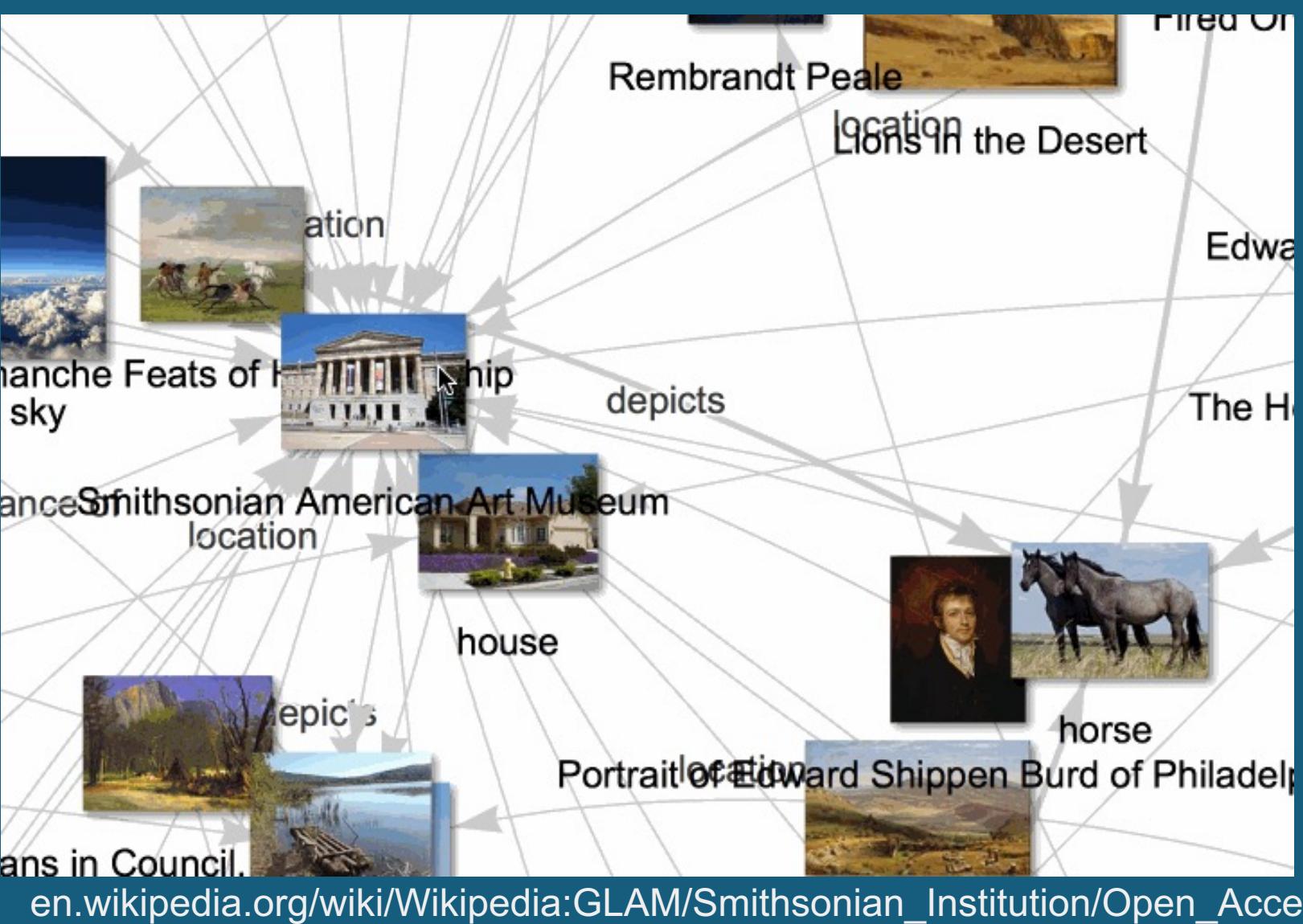


[meta.wikimedia.org/wiki/Wikimedia\\_movement#/media/File:Wikimedia\\_logo\\_family\\_complete-2021.svg](https://meta.wikimedia.org/wiki/Wikimedia_movement#/media/File:Wikimedia_logo_family_complete-2021.svg)





# Smithsonian & Wiki projects



[en.wikipedia.org/wiki/Wikipedia:GLAM/Smithsonian\\_Institution/Open\\_Access](https://en.wikipedia.org/wiki/Wikipedia:GLAM/Smithsonian_Institution/Open_Access)

# Sample Smithsonian activities (to 2021)

WISDOM

**Knowledge graphs for visualizing** Smithsonian collections in Wikidata  
**Support for Wikimedia programming** - referring experts for indigenous peoples day programming

KNOWLEDGE

**Scholarly analysis** of Wikipedia article from curators and experts (Dr. Karen Lemmey, SAAM pictured)  
**Smithsonian Libraries-Wikibase project** linked open data connections for libraries

INFORMATION

**AWHI: Because of Her Story: The Funk List**  
Creating work lists of notable women to add to Wikipedia - [womenshistory.si.edu](http://womenshistory.si.edu)  
**Edit-a-thons**, meetups, article drives with Wikimedia community

DATA

**Smithsonian Open Access** media files (3.2 mln +)  
[www.si.edu/openaccess](http://www.si.edu/openaccess)  
**Authority control records** and metadata for Wikidata and Commons uploaded



[youtube.com/embed/JqIQ-vp5Zn0](https://youtube.com/embed/JqIQ-vp5Zn0)



**Online encyclopedia**, a free content, multilingual online encyclopedia contributed by a community of volunteer on an open collaboration, wiki-based editing system, and supported by Wikidata



a **media repository**, of freely available and reusable media files, in all languages, supporting all Wikimedia projects, e.g., Wikipedia, Wikivoyage, Wikisource, Wikiquote, Wiktionary, Wikinews, Wikibooks, and Wikispecies



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

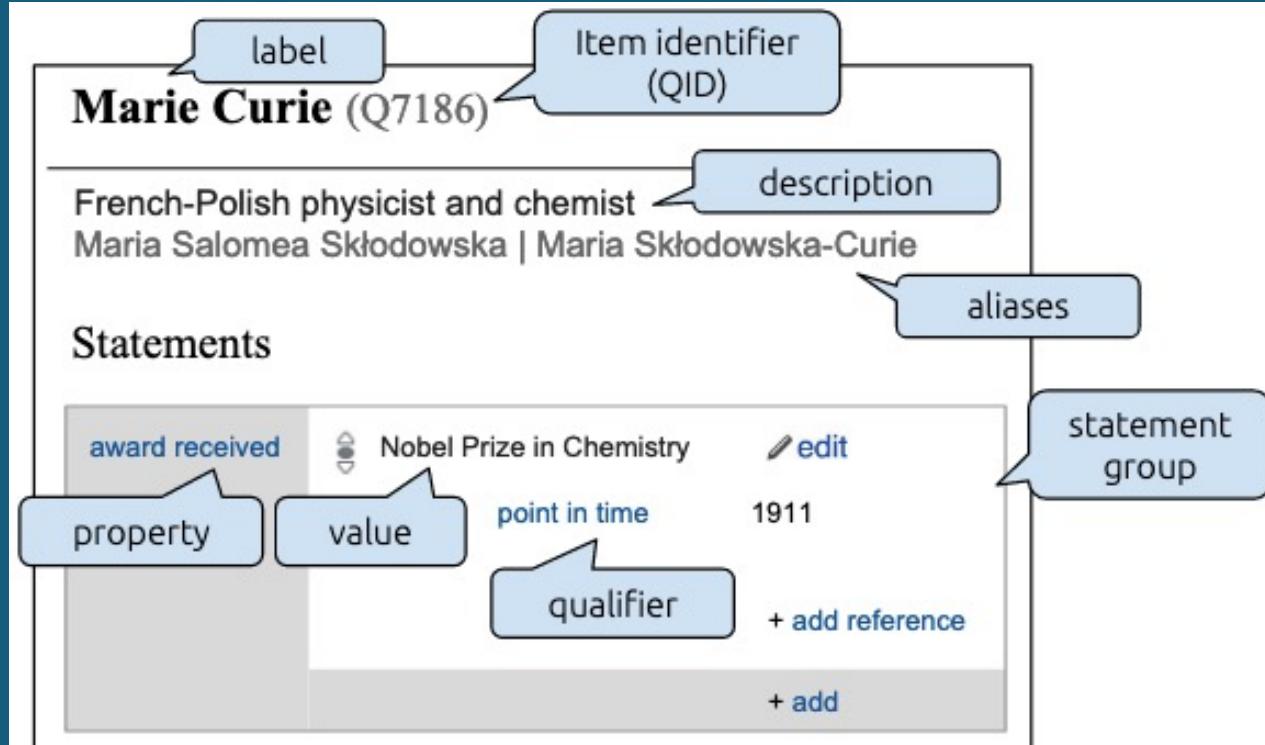
an online digital library of  
multidisciplinary open-content  
ebook library in 72 languages,  
over 500K English texts  
among others, comics, and  
audio books



# Wikidata

**as a platform and structured data source**

# Wikidata: anatomy and uses



- 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)

# Entity relationship



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

Smithsonian Libraries and Archives

### Object Details

#### Author

Bishop, Carl Whiting

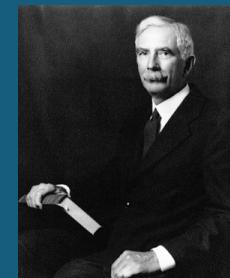
Abbot, C. G (Charles Greeley) 1872-1973

Hrdlička, Aleš 1869-1943

1930

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

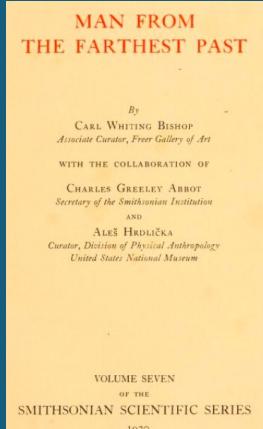
Author:	Bishop, Carl Whiting, 1881-1942 author
Title:	<b>Man from the farthest past / by Carl Whiting Bishop ... with the collaboration of Charles Greeley Abbot ... and Aleš Hrdlička</b>
Publisher:	[New York] [Smithsonian Institution series, Incorporated] 1930
Description:	6 preliminary leaves, iii, 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 <b>author</b>
Added Series:	Smithsonian scientific series ; v. 7



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

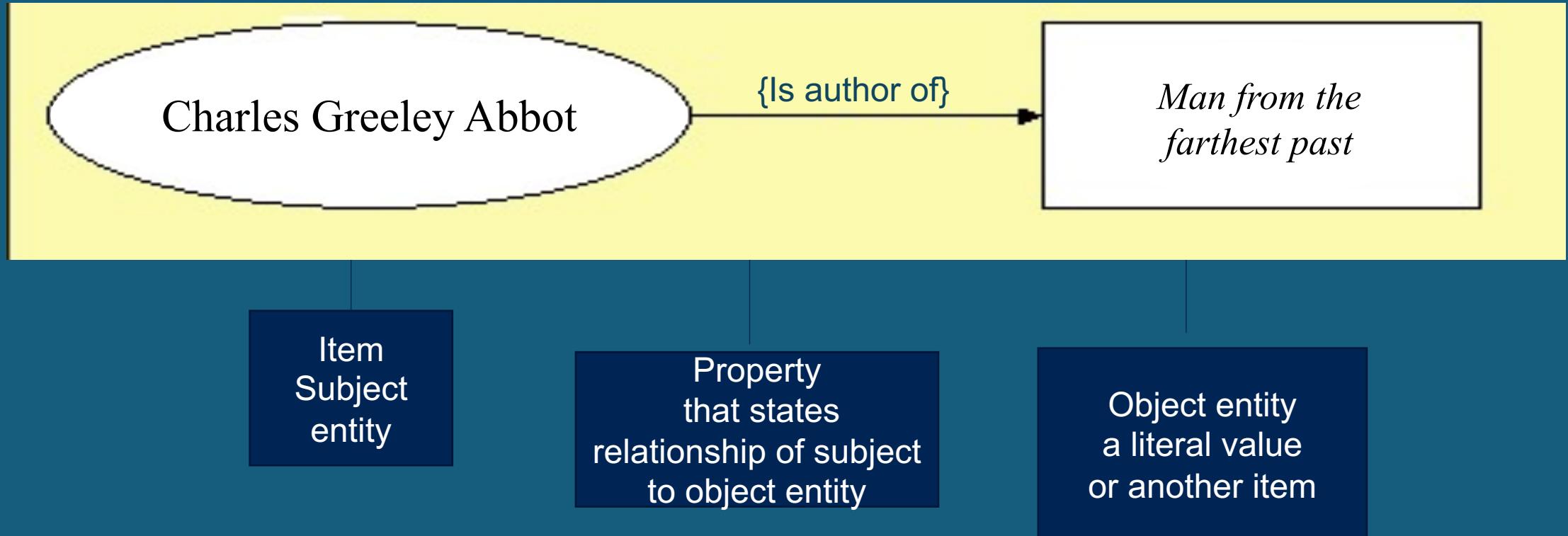
[id.loc.gov/authorities/names/n50039868](https://id.loc.gov/authorities/names/n50039868)

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

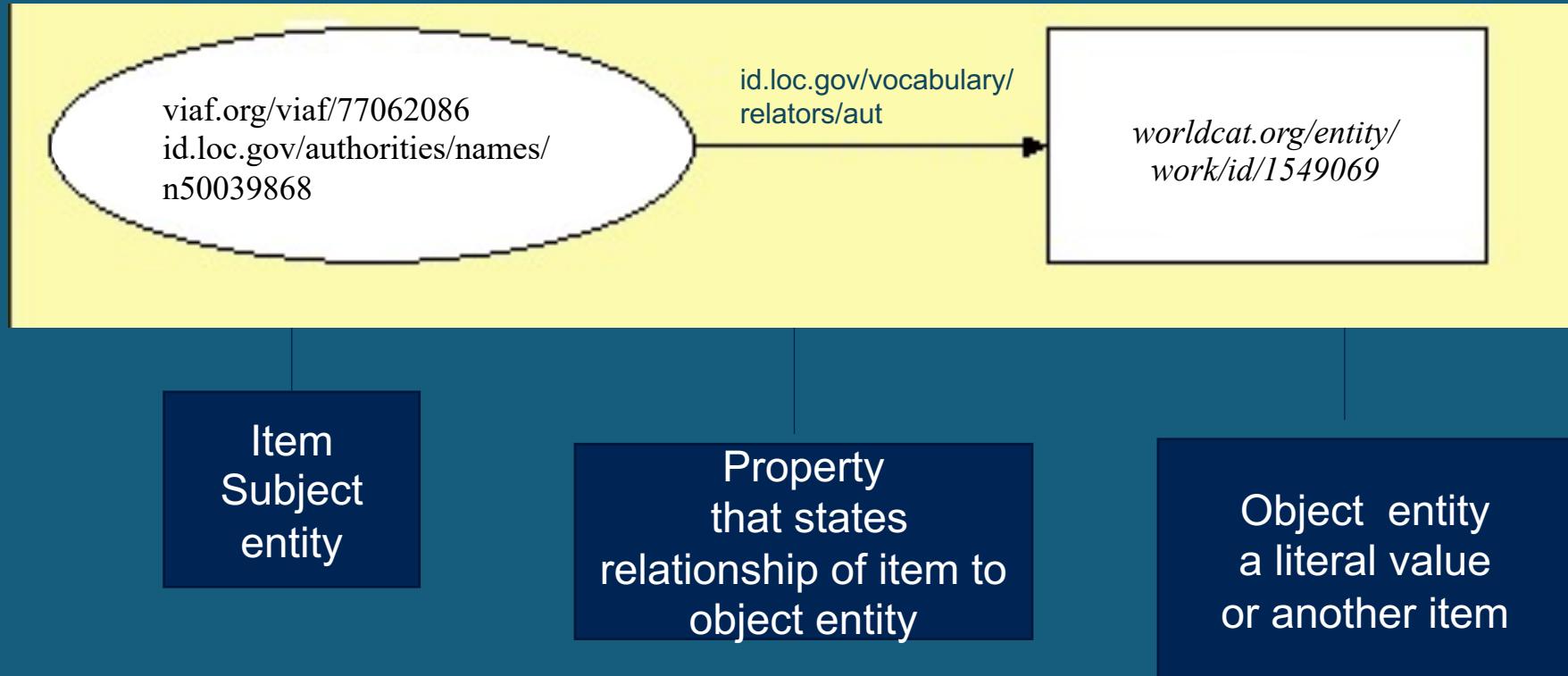


VOLUME SEVEN  
OF THE  
SMITHSONIAN SCIENTIFIC SERIES  
1930

# A RDF entity statement



# Same entity statement with URIs



# Wikidata tools and APIs

- Mix'n'Match
- Cradle
- Scholia (& Authordisambiguator)
- Listeria
- TABernacle
- InteGraality
- QuickStatements
- OpenRefine
- Entity explosion (browser add-on)
- Wikipedia/Wikidata Google spreadsheet (browser add-on)
- common.js
- User widgets

[wikidata.org/wiki/Wikidata:Tools](https://wikidata.org/wiki/Wikidata:Tools)

# Wikidata “Mix-n-Match”

This tool can list entries of some external databases, and allows users to match them against Wikidata items. Think 'red link lists on steroids'. See [the manual](#) or [watch a video](#) for a how-to. For an alternative, see [OpenRefine](#). You can [suggest](#), [import](#), or [scrape](#) new catalogs. See also: [AC properties without Mix'n'match](#).

## Catalog groups

Group	Catalogs
	8
Cinema	49
Genealogy	12
Music	11
Software	15
Wolfram Language entity	85
Archives	28
Art	126
Authority control	6

## Search catalogs

Start typing here

## Latest catalogs

- [AllGame genres](#) video games genres in the AllGame database
- [AllGame platforms](#) video game platforms in the AllGame database
- [gamegear.jp](#) video games in the gamegear.jp database
- [IRIS SSSUP authors](#) identifier for an author in IRIS SSSUP, the open-repository of Sant'Anna Advanced Studies
- [IRIS Unipi authors](#) identifier for an author in ARPI, the open-repository of the University of Parma
- [Frick Art Reference Library Sitters File \(Married Name Clean-Up Project\)](#)
- [Smithsonian Art & Artist Files Collection \(AAPG\)](#) Names of artists that have artist files at the Smithsonian American Art and Portrait Gallery Library
- [Nintendo64EVER](#) video games in the Nintendo64EVER database database of Nintendo 64
- [N64-database](#) video games in the N64-database database of Nintendo 64 video games
- [SBN authors](#) identifier issued by National Library Service (SBN) of Italy

# Wikidata “Cradle”

Tool to create new  
Wikidata items from  
a form

[cradle.toolforge.org/#/subject/artist](https://cradle.toolforge.org/#/subject/artist)

https://cradle.toolforge.org/#/subject/artist\_(in\_library\_collection,\_short\_description)

artist (in library collection, short description)

Labels *	Language Text	+
Aliases	Language Text	+
Descriptions	Language Text	+
instance of *	human	+
image	commonsMedia	+
sex or gender	female	+
country of citizenship	<input type="text"/>	+
name in native language	language monolingualtext	+
date of birth	time	+
date of death	time	+
occupation	visual artist	+
movement	<input type="text"/>	+

author

## Dolores Piperno (Q5289551)

Dolores Piperno is an American archaeologist specializing in archaeobotany. She is a senior scientist emeritus of the Smithsonian Tropical Research Institute in Balboa, Panama and the Smithsonian National Museum of Natural History, Washington. ([Read more on English Wikipedia](#))

ID <https://orcid.org/0000-0002-0584-3133>

### Table of Contents

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NATURAL  
HISTORY

# Dolores Piperno

Senior Scientist Emerita



### Department / Division

[Anthropology](#)

### Research Interests

The archaeobotany, archaeology, and human ecology of the lowland American tropics together with the biogeographical and climatological history of the tropical biome. A main focus of my career is the origins of agriculture through investigations of phytoliths, starch

# Wikidata “Scholia”

# Wikidata “Listeria”

Tool to generate wiki  
tables from SPARQL  
queries and keep data  
synchronized with  
Wikidata repository

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

Generating List: Chinese emperors [edit](#) [edit source](#)

name	image	description	date of birth	date of death	occupation	country of citizenship	item
Zhuangxu		Emperor of China	No/unknown value -26th century	No/unknown value -25th century			Q198180
Daughter of Emperor Xiaoming of Northern Wei		Northern Wei empress	0528-02-12	No/unknown value	politician		Q10889741
Emperor Ping of Han		emperor of the Han Dynasty	-0009	0006-02-03	monarch	Western Han	Q7244
Wang Mang		Han dynasty official and founding Emperor of the Xin Dynasty (c.45 BC-23 AD)	-0045	0023-10-06	sovereign	Han dynasty Xin dynasty	Q7250

[wikidata.org/wiki/Wikidata:WikiProject\\_PCC\\_Wikidata\\_Pilot/Smithsonian\\_Libraries/Projects/Chinese\\_Portraits/Tasks/Listeria](https://wikidata.org/wiki/Wikidata:WikiProject_PCC_Wikidata_Pilot/Smithsonian_Libraries/Projects/Chinese_Portraits/Tasks/Listeria)

# Wikidata “TABernacle”

Tool for browsing and editing Wikidata, a sister project of Wikipedia, that aids users in data entry and data remixing

#	Item	instance of	Label	Description	Alias(es)
1	Emperor Zhi Q1207922	human	en Emperor Zhi	en	en *
2	King Yi of Zhou Q1208109	human	en King Yi of Zhou	en King of China	en
3	King Yi of Zhou Q1208124	human	en King Yi of Zhou	en King of Zhou Dynasty	en
4	Fuchai Q1269349	human	en Fuchai	en Chinese king	en King Fuchai of Wu en Fucha
5	Fu Liang Q1270073	human	en Fu Liang	en Chinese official (374-426)	en
6	Liang Shidu Q1272181	human	en Liang Shidu	en Chinese general	en
7	Emperor Taizu of Later Liang Q1275305	human ► References/qualifiers	en Emperor Taizu of Later Liang	en Liang Dynasty emperor	en Zhu Huang en Zhu Quanzhong
8	King Zhao of Zhou Q1275781	human ► References/qualifiers	en King Zhao of Zhou	en King of the Chinese Zhou Dynasty	en Zhou Zhaowang
9	Emperor Xuan of Western Liang Q1285740	human ► References/qualifiers	en Emperor Xuan of Western Liang	en Western Liang emperor	en Xiao Qie en Xiao Cha en Lisun en Zhong Zong en Xuan Di en Xiao Cha(Liangxuanhuangdi)

[wikidata.org/wiki/Wikidata:TABernacle](https://wikidata.org/wiki/Wikidata:TABernacle)

# Wikidata “InteGraality”

Wikidata:GLAM/Smithsonian Institution/Reports/SAAM/tabs This table describes the completeness of properties in Wikidata for SAAM objects. A good reference for item structure for visual works: [Wikidata:WikiProject\\_Visual\\_arts/Item\\_structure](#).

[all entities](#) | [count](#) | [all groupings](#) | [without grouping property](#) | [below threshold \(1\)](#) | Grouping by [instance of \(P31\)](#)

Manually update

Top groupings (Minimum 1 items)		Top Properties (used at least 0 times per grouping)								
Name	Count	image (P18)	inception (P571)	height (P2048)	width (P2049)	creator (P170)	copyright status (P6216)	inventory number (P217)	described at URL (P973)	
painting (Q3305213)	8405	43.36% (3644)	92.31% (7759)	89.32% (7507)	89.32% (7507)	99.89% (8396)	42.42% (3565)	100.0% (8405)	0.25% (21)	
watercolor painting (Q18761202)	392	65.82% (258)	98.47% (386)	99.49% (390)	99.49% (390)	100.0% (392)	100.0% (392)	100.0% (392)	0% (0)	
print (Q11060274)	6	16.67% (1)	100.0% (6)	50.0% (3)	50.0% (3)	100.0% (6)	0% (0)	100.0% (6)	0% (0)	
sculpture (Q860861)	4	100.0% (4)	100.0% (4)	50.0% (2)	25.0% (1)	100.0% (4)	0% (0)	75.0% (3)	0% (0)	

[wikidata.org/wikidata:GLAM/Smithsonian\\_Institution/Reports/SAAM/Object\\_ID\\_completeness](https://wikidata.org/wikidata:GLAM/Smithsonian_Institution/Reports/SAAM/Object_ID_completeness)

# Wikidata “QuickStatements”

Tool to edit Wikidata items, based on a simple set of text commands, V1 or CSV.

The screenshot displays the QuickStatements interface on a web browser. The main window shows a command history with several "CREATE" statements. The first few lines are:

```
CREATE
LAST Len "Alfred Leslie"
LAST Den "American artist known for figurative artworks"
LAST P31 Q5
LAST P21 Q6581097
LAST P569 +1927-10-29T00:00:00Z/11 S854 "http://www.artnet.com/artists/alfred-leslie/" S813
+2020-09-01T00:00:00Z/11
LAST P19 Q18426
LAST P20 Q7565985
LAST P6379 Q1192305
LAST P1795 "2894"
```

Below this, there are "CREATE" statements for "Allan Janu", "Den", and "P31". The top-left window is titled "New batch" and contains fields for "batch number", "user name", and "temp. batch ID". The bottom-right window is titled "Import V1 commands" and shows a list of names and their descriptions, such as "Louis Pasteur", "French chemist and microbiologist", and "Nicolaus Copernicus", "Renaissance-era mathematician, astronomer, and clergyman who formulated the heliocentric model of the Universe".

[quickstatements.toolforge.org/#/](https://quickstatements.toolforge.org/#/)

# Reuse of Wikidata

# Wikidata display options

**WIKIDATA** Search Wikidata

Navigation ▾ Wiki tools ▾ Page tools ▾

# Charles Greeley Abbot (Q210126)

Item Discussion ☆

American astrophysicist and the 5th Secretary of the Smithsonian

C. G. (Charles Greeley) Abbot | C. G. Abbot

Enter a schema to check   Automatically check schema

Recoin: Most relevant properties which are absent

In more languages

Language	Label	Description	Also known as
English	Charles Greeley Abbot	American astr Secretary of t	 SQID
Spanish	Charles Greeley Abbot	No description	

All entered languages

Charles Greeley Abbot (Q210126)  
C. G. (Charles Greeley) Abbot | C. G. Abbot

American astrophysicist and the 5th Secretary of the Smithsonian

Instance of: Charles Greeley Abbot is a(n) [human](#)

Statements

Own statements		From related entities
writing language	English (West Germanic language originating in England)	>
place of death	Washington, D.C. (capital city of the United States)	>
languages spoken, written or signed	English (West Germanic language originating in England)	>



# Wikipedia article with Wikidata



[wikipedia.org/wiki/WP:MBABEL](https://wikipedia.org/wiki/WP:MBABEL)

# Crotos

 **Crotos**  
Cosmos  
Callisto  
Lab

smithsonian

4340 Results



Strawberry-Blite (*Chenopodium capitatum*)  
Mary Vaux Walcott - Smithsonian American Art Museum



Niagara Falls  
George Inness - Smithsonian American Art Museum



Still Life with Fan and Roses  
Thomas Hovenden - Smithsonian American Art Museum



Two Young Men  
George Catlin - Smithsonian American Art Museum



Louisa Dunmore Mums Mott  
National Portrait Gallery

Language English  Images/page 20  → Contribution mode   

<https://zone47.com/crotos/?s=smithsonian>

# WADE: Wiki Art Depiction Explorer

## Two Comanche Girls (Q20441431)

Label from English (en)

[view on Wikidata](#) [skip this photo](#) [browse paintings](#)

artist: George Catlin (Q458153)

collection: Smithsonian American Art Museum (Q1192305)

location: Smithsonian American Art Museum (Q1192305)

country of origin: United States of America (Q30)

material used: oil paint (Q296995) canvas (Q4259259)

Smithsonian American Art Museum ID: 4621

### Information from the Smithsonian American Art Museum catalog

**description:** The scene, painted by George Catlin at a Comanche village in 1834, shows "The wigwam of the Chief; his dogs, and his five children." The artist also described the village as "six or eight hundred skin-covered lodges, made of poles and buffalo skins, in the manner precisely as those of the Sioux and other Missouri tribes . . . This village with its thousands of wild inmates, with horses and dogs, and wild sports and domestic occupations, presents a most curious scene; and the manners and looks of the people, a rich subject for the brush and the pen."<sup>2</sup> (Catlin, Letters and Notes, vol. 2, no. 42, 1841, reprint 1973, and 1848 Catalogue, Catlin's Indian Gallery; SAAM online exhibition).

**keywords:** [Native American](#) [Comanche](#) [Children](#) [American Indians - General](#) [Paintings](#)

what can you see in this painting?

[art.wikidata.link/item/Q20441431](http://art.wikidata.link/item/Q20441431)



[wikidata.org/wiki/Wikidata:WikiProject\\_Wiki\\_Art\\_Depiction\\_Explorer](https://wikidata.org/wiki/Wikidata:WikiProject_Wiki_Art_Depiction_Explorer)

# Histropedia

Secretaries of the Smithsonian Institution

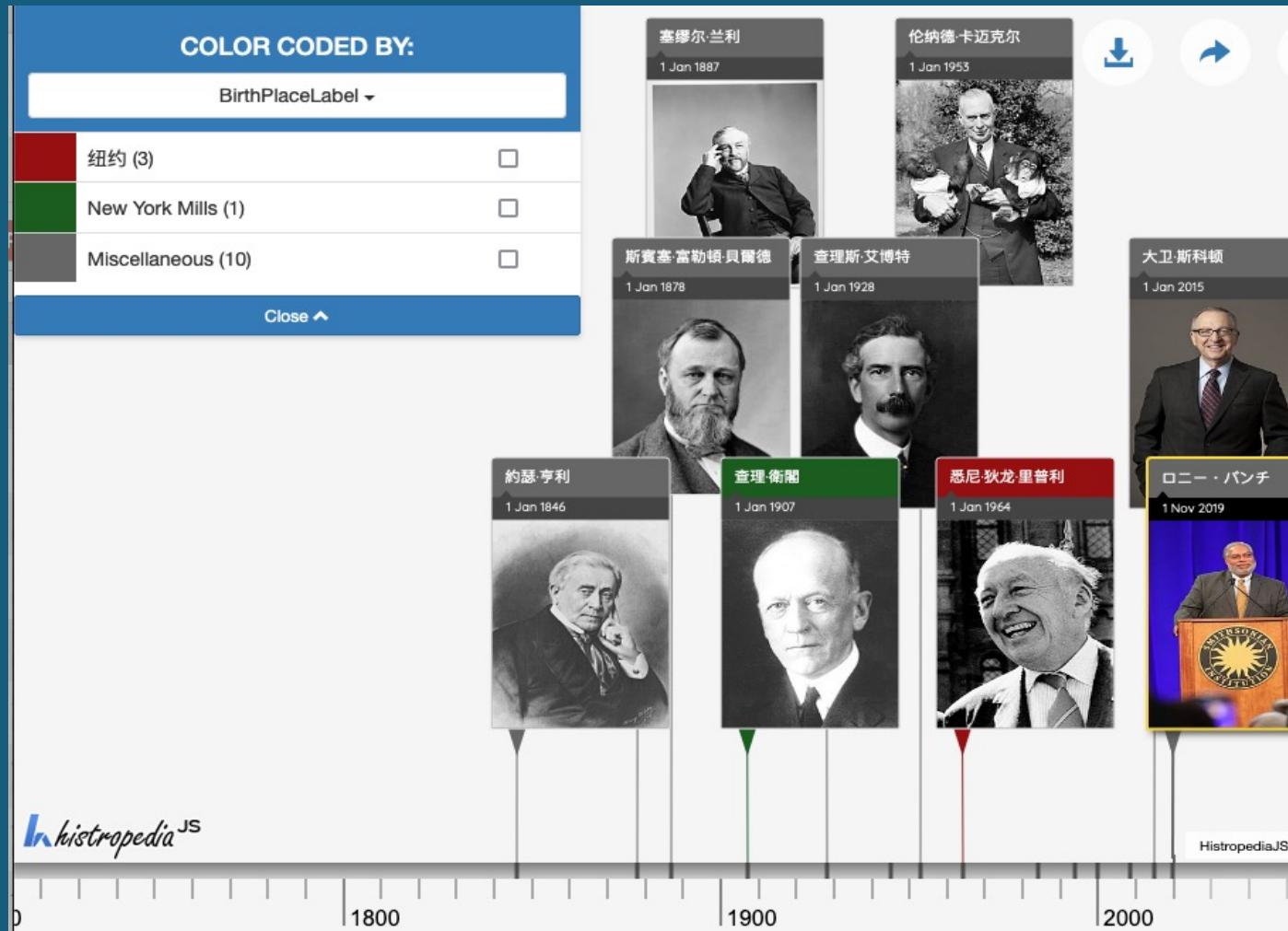
w.wiki/3wmq

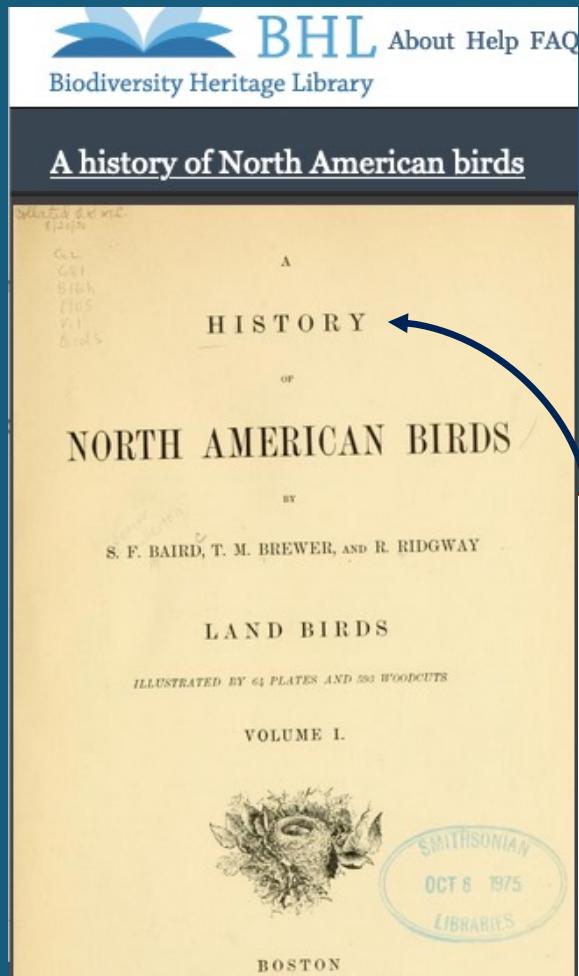
Data representation via Histropedia

[tinyurl.com/SIsecretaries](http://tinyurl.com/SIsecretaries)

[tinyurl.com/SIsecretariesBydates](http://tinyurl.com/SIsecretariesBydates)

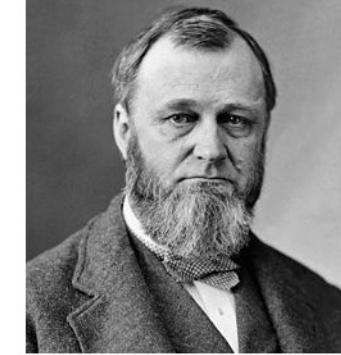
[tinyurl.com/SIsecretariesLang](http://tinyurl.com/SIsecretariesLang)





# Spencer Baird inter- & intra- links: author to work

<b>educated at</b>	Dickinson College college in Pennsylvania
<b>family name</b>	Baird family name
<b>given name</b>	Spencer unisex given name series ordinal : 1
<b>Fullerton</b>	given name series ordinal : 2
<b>notable work</b>	<a href="#">A history of North American birds</a> <a href="#">Natural History Illustrations</a> 1889 b <a href="#">The water birds of North America</a> <a href="#">Outlines of American ornithology</a> <a href="#">Book</a> <a href="#">Report upon the invertebrate animals and physical features of the region</a> sci <a href="#">Catalogue of North American birds, chiefly in the Museum of the Smithsonian Institution Washington</a> <a href="#">:Smithsonian Institution,1858.</a>   Smithsonian Libraries View Book



Spencer Fullerton Baird (Q14049)

Spencer Baird | Baird | Spencer F. Baird | Baird, SF | Спенсер Бэрд | スペンサー・フラートン・ペアード | Спенсер Фуллертон Бэрд | 斯賓塞·富勒頓·貝爾德 | سپنسر فولرتون بیرد | Spencer Fullerton Baird | ספנסר פולרטון בירד

American naturalist, ornithologist, ichthyologist, museum curator, and the 2nd Secretary of the Smithsonian

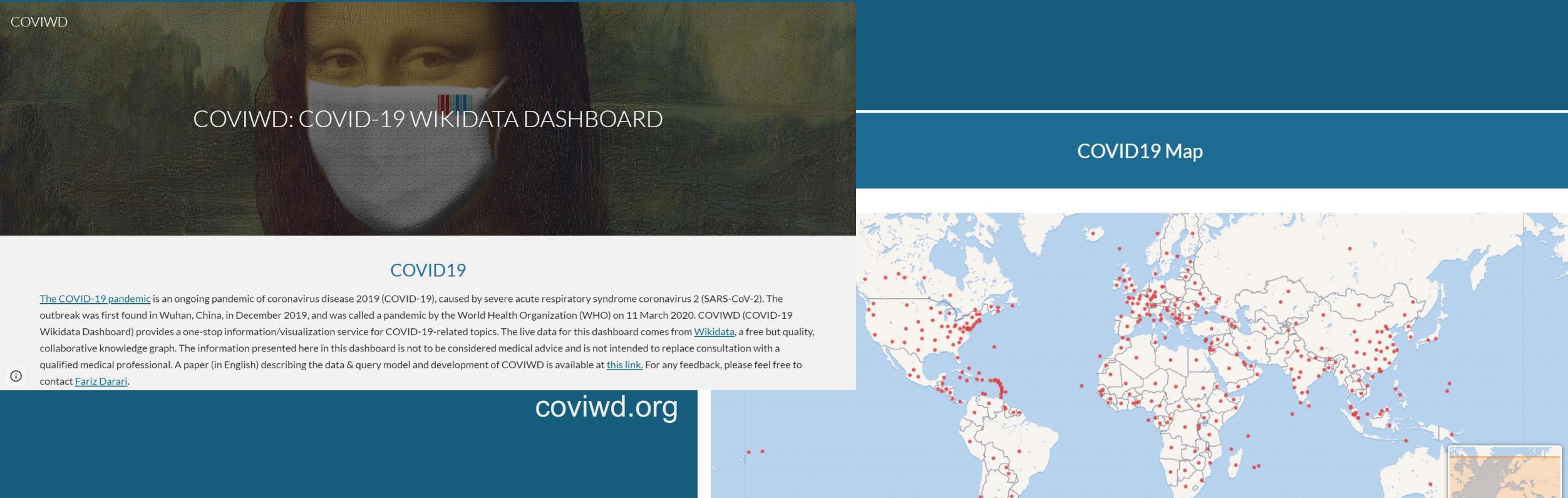
**Spencer Fullerton Baird** was a US-American naturalist, curator, ornithologist, zoologist, ichthyologist, and university teacher.

He was born on February 3, 1823 in Reading to Lydia McFunn Baird.

He studied at Dickinson College. His field of work included ornithology, ichthyology, and herpetology.

[reasonator.toolforge.org/?&q=51403552](http://reasonator.toolforge.org/?&q=51403552)

# Wikidata “Dashboard”: CoVid-19



# Web services connected to Wikidata

- Library of Congress
- iNaturalist
- IMDB
- GeoName
- Spotify
- etc.
- Abbot, Charles Greeley  
[id.loc.gov/authorities/names/n50039868](https://id.loc.gov/authorities/names/n50039868)
- Yellow-legged Gull  
[inaturalist.org/taxa/59202](https://inaturalist.org/taxa/59202)
- James Norton  
[imdb.com/name/nm3584268](https://imdb.com/name/nm3584268)
- Tokyo Prefecture  
[geonames.org/1850144](https://geonames.org/1850144)
- Girls' Generation (Korean girl pop music group)  
[open.spotify.com/artist/0Sadg1vgvaPqGTOjxu0N6c](https://open.spotify.com/artist/0Sadg1vgvaPqGTOjxu0N6c)

# External data embedded in library catalog

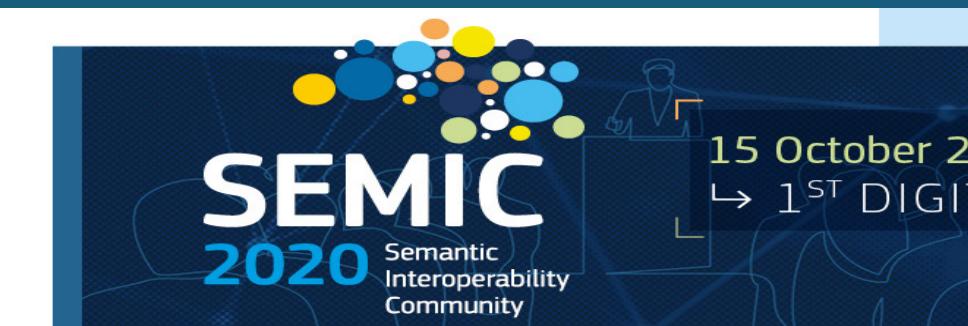
- Cornell new catalog
  - “*Two*” (scroll to click link, <Highlight the DISCOGS data>)  
[newcatalog.library.cornell.edu/catalog/8058246](http://newcatalog.library.cornell.edu/catalog/8058246)
  - “*Comparison of ...*” (scroll to click icon <i> links for <Subjects>)  
[d.lib.msu.edu/etd/3746/](http://d.lib.msu.edu/etd/3746/)
  - “*Mark Twain*” (scroll to view <Information from the Web>  
[search.library.wisc.edu/catalog/9911042395202121](http://search.library.wisc.edu/catalog/9911042395202121)
- Mich State catalog
- U-W Madison catalog



# 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



{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.



**DEUTSCHE NATIONAL BIBLIOTHEK**

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.

**DEUTSCHE NATIONAL BIBLIOTHEK**

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.

# Wikifying authority data: GND



**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.



**GND all in**

Importing both content and structure of the GND into a Wikibase instance

- 300 properties and their qualifiers
- 9 mio items and their relations
- reshaping the GND that was formed by its technical infrastructure and human tradition
- Enabling synchronization to the master copy in CBS
- Increasing usability within Wikibase
- Furthering collaboration of emancipated users

# Wikifying library bib and authority data

{ 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.

FNE (Fichier national d'entités)

Authority database

NOEMI (Nouvelles Oeuvres, Expressions,  
Manifestations et Items)

New LSP

# First Nations, Métis, and Inuit – Indigenous Ontology (FNMIIO)

**FNMIIO Vocabulary**

Fundamental questions about how we document the concepts of nation, community, historical community, colonial names and the relationships between these concepts

**Aamjiwnaang (Q13)**

No description defined

Aamjiwnaang First Nation | Chippewas of Sarnia

In more languages Configure

Language	Label	Description	Also known as
English	Aamjiwnaang	No description defined	Aamjiwnaang First Nation Chippewas of Sarnia

**Statements**

instance of	Community	edit
	+ 0 references	+ add reference + add value

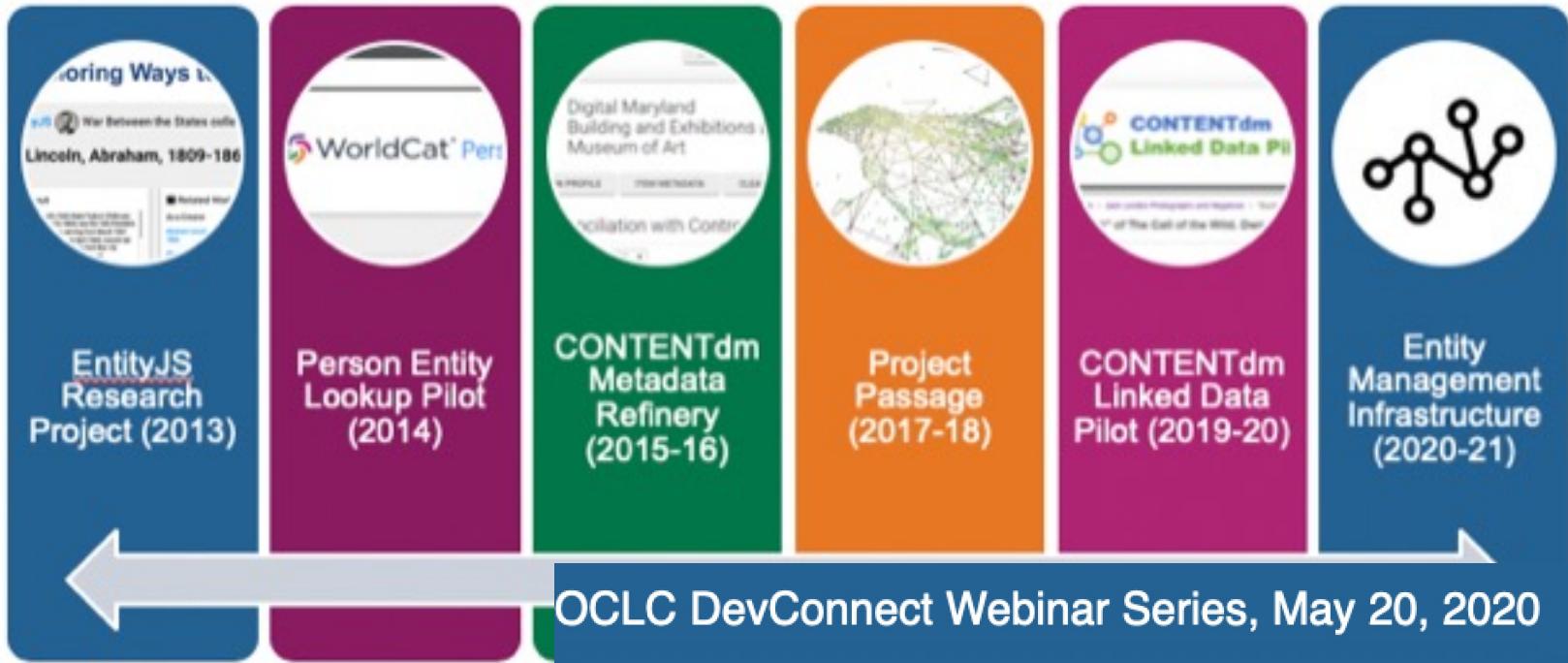
cultural affiliation	Anishnabek	edit
	+ 0 references	+ add reference

	Ojibway	edit
	+ 0 references	+ add reference + add value

political affiliation	Union of Ontario Indians	edit
	+ 0 references	+ add reference + add value

[librarianship.ca/news/cfla-nikla-release-fnmiio/](http://librarianship.ca/news/cfla-nikla-release-fnmiio/)

# Building on a theme



# Wikibase & OCLC

Services

VIAF

Fast Reconciliation Service

Pictograph (en)

CONTENTdm linked data pilot Reconciliation service

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

# Wikibase in art

## 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.

- Public view

[artbase.rhizome.org/wiki/Q1885](http://artbase.rhizome.org/wiki/Q1885)

- Staff edit UI

[artbase.rhizome.org/wiki/Item:Q1885](http://artbase.rhizome.org/wiki/Item:Q1885)

# Wikibase in archives



- Public view

[enslaved.org/record/person/Q491413](https://enslaved.org/record/person/Q491413)

- Staff edit UI

[lod.enslaved.org/entity/Q491413](https://lod.enslaved.org/entity/Q491413)

# Libraries' Wiki efforts

## PCC Wikidata pilot

# The Program for Cooperative Cataloging (PCC)

The PCC Secretariat is based in the Library of Congress supporting international efforts to expand access to library collections with mutually accepted standards

The screenshot shows the Library of Congress website with a focus on the Program for Cooperative Cataloging (PCC). The top navigation bar includes links for Ask a Librarian, Digital Collections, Library Catalogs, and a search function. The main content area displays the PCC logo and a map of the world's oceans. Below the map, there is a section titled "Programs of the PCC" featuring buttons for BIBCO, CONSER, NACO, and SACO. A descriptive text box explains the PCC's mission.

**LIBRARY LIBRARY OF CONGRESS**

ASK A LIBRARIAN DIGITAL COLLECTIONS LIBRARY CATALOGS Search Search Loc.gov GO

The Library of Congress > Cataloging, Acquisitions > Program for Cooperative Cataloging

**CATALOGING AND ACQUISITIONS**

**Program for Cooperative Cataloging**  
BIBCO / CONSER / NACO / SACO

Print Subscribe Share/Save Give Feedback

**Program for Cooperative Cataloging**

Programs of the PCC: BIBCO CONSER NACO SACO

The Program for Cooperative Cataloging (PCC) seeks to be a democratic and diverse organization whose mission and goals are determined by its membership. Members govern the programs through participation in program events, standing committees, and task groups. PCC is a cooperative cataloging venture wherein members contribute bibliographic records and related data under a common set of standards and conventions using the bibliographic utilities.

# The mission of the PCC

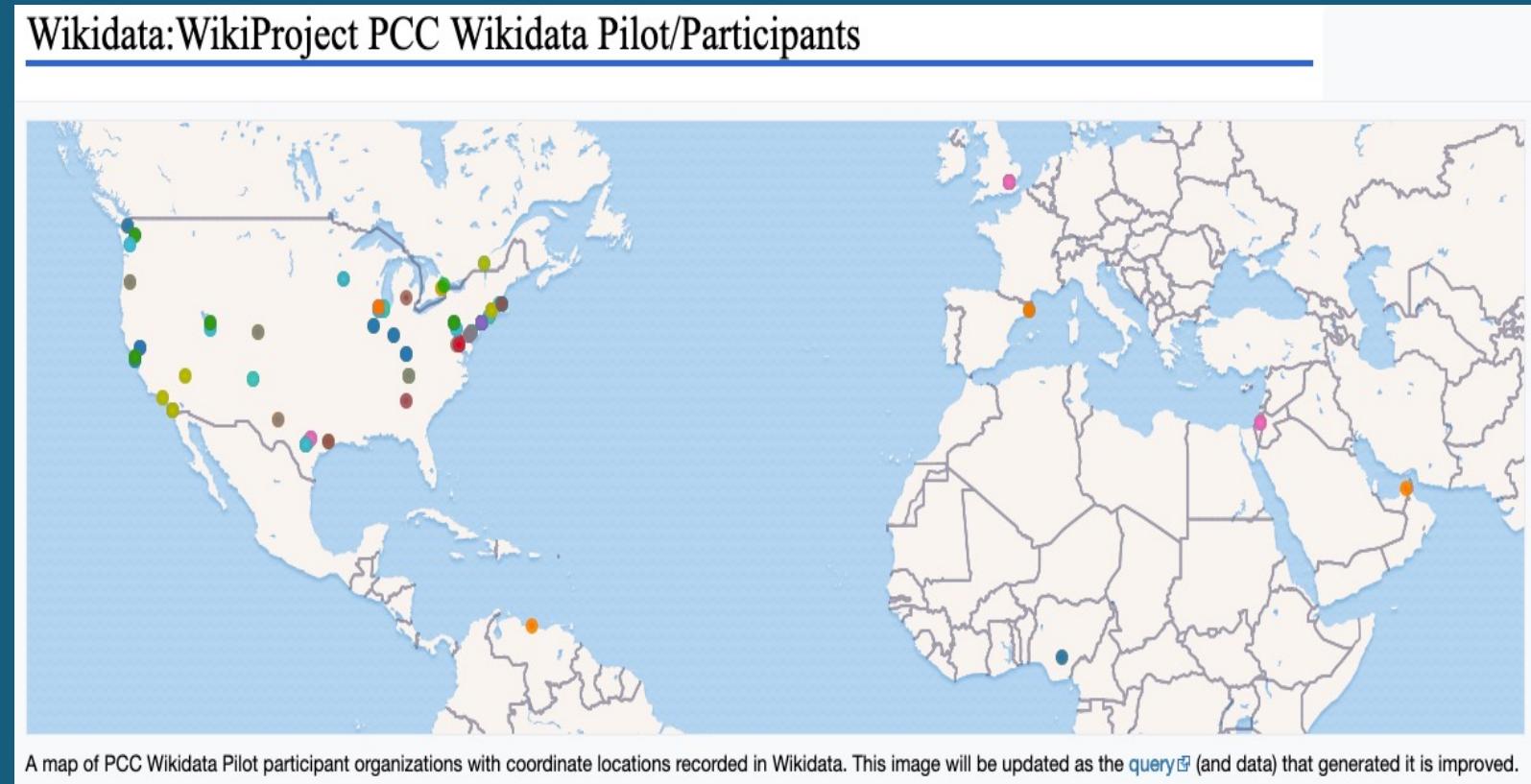
## MISSION

The PCC promotes the discovery and use of the world's knowledge by supporting metadata producers in library and other cultural heritage communities and by forging alliances with partners who share common goals. PCC members create trusted metadata and support its use and reuse by global communities.



# PCC Wikidata pilot

Wikidata, a high-demand identifier hub, ideal for identity management of a NACO-Lite approach



# 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
- Chinese ancestors portraits (Qing Dynasty)
- Dibner scientists portraits
- 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 for PCC Wikidata pilot

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

# Early accomplishments

- *Smithsonian resource ID*

identifier for a resource held by the Smithsonian Institution

[wikidata.org/entity/P7851](https://wikidata.org/entity/P7851)

- *artist files at*

institution or collection that holds artist files about the subject

[wikidata.org/entity/P9493](https://wikidata.org/entity/P9493)

# P7851: SI resource ID

Smithsonian

## A history of North American birds

F. Baird, T. M. Brewer, R. Ridgway

Smithsonian Libraries and Archives

### Object Details

**Author**  
Baird, Spencer Fullerton 1823-1887  
Brewer, T. M (Thomas Mayo) 1814-1880  
Ridgway, Robert 1850-1929

**artist**  
Sheppard, Edwin L. -1904

First published in 1874.  
Also available online.

Wikidata: [Q51403552](#)

autor: Robert Ridgway  
autor: Thomas Mayo Brewer  
autor: Spencer Fullerton Baird

estatus de los derechos de autor: dominio público

instancia de publicación

lugar de publicación: Boston

fecha de publicación: 1905-01-01T00:00:00Z

texto completo en: <https://www.biodiversitylibrary.org/item/47436>

título: A history of North American birds

DOI [mul]: [10.5962/BHL.TITLE.12713](#)

DOI (Committee for the Accessibility of Publications in Sciences and Humanities): [10.5962/BHL.TITLE.12713](#)

DOI (Crossref): [10.5962/BHL.TITLE.12713](#)

DOI (Digital Bibliography & Library Project): [10.5962/BHL.TITLE.12713](#)

DOI (dissemin): [10.5962/BHL.TITLE.12713](#)

DOI (Handle System): [10.5962/BHL.TITLE.12713](#)

DOI (Our Research): [10.5962/BHL.TITLE.12713](#)

DOI (Scholia): [10.5962/BHL.TITLE.12713](#)

DOI (Semantic Scholar): [10.5962/BHL.TITLE.12713](#)

identificador BHL de bibliografía: [12713](#)

identificador Internet Archive: [historyofnortham01bai](#)

identificador Internet Archive: [historyofnortham02bai](#)

identificador Internet Archive: [historyofnortham03bai](#)

Reasoner query: [reasonator.toolforge.org/?&q=51403552](https://reasonator.toolforge.org/?&q=51403552)

Spencer Fullerton Baird (Q14049)

Spencer Baird | Baird | Spencer F. Baird | Baird, SF | Спенсер Бэрд | スペンサー・フラートン・ペアード | Спенсер Фуллертон Бэрд | 斯賓塞·富勒頓·貝爾德 | Спенсер Фуллертон Бейрд | ספנסר פולרטון ברד

American naturalist, ornithologist, ichthyologist, museum curator, and the 2nd Secretary of the Smithsonian

Spencer Fullerton Baird was a US-American naturalist, curator, ornithologist, zoologist, ichthyologist, and university teacher.

# P7851: SI resource ID

The screenshot shows a Smithsonian page for a portrait of Chunying, Prince Rui. A yellow arrow points from the portrait image on the left to the Wikidata entity ID "Q107781236" in the sidebar of the detailed view on the right.

**Smithsonian**

**Portrait of Chunying, Prince Rui (1761 - 1800)**

Freer Gallery of Art and Arthur M. Sackler Gallery

Live data provided by this extension is from Wikidata™ and is licensed CC0

Entity Explosion version 0.8.9 by Toby Hudson

Wikidata ID: Q107781236

实体: Q107781236 (Q107781236)

维基数据: Q107781236

位置: 华盛顿哥伦比亚特区  
位置: 阿瑟·M·萨克勒美术馆  
原产地: 清朝  
性质: 立轴  
性质: 画作  
描绘内容: 淳颖  
收藏于: 史密森尼学会  
收藏于: 阿瑟·M·萨克勒美术馆  
类型: 肖像  
收藏编号: S1991.83  
史密森尼博物馆编号: fsg\_S1991.83

ca.1949 to 1959  
Wu Ping-Chung (dates unknown and Chinese characters for the name unknown) inherited ownership upon Wu Laixi's death around [2]

1959 to 1985  
Richard G. Pritzlaff (1902-1997) by transfer of ownership from Wu Ping-Chung on June 1959 [3]

Chunying (Q107781236)

Ross Perot American businessman and two-time independent presidential candidate (1930-2019)  
start time: 1985  
end time: 1987

Worshiping the Ancestors: Chinese Commemorative Portraits Printed exhibition catalog, published in 2001

portrait artistic representation of one or more persons

Chunying Qing dynasty prince, Prince Rui

Arthur M. Sackler Gallery art museum in Washington, D.C.

Smithsonian Institution group of museums and research centers administered by the United States government

S1991.83  
collection: Arthur M. Sackler Gallery

Washington, D.C. capital city of the United States

Arthur M. Sackler Gallery art museum in Washington, D.C.

painting visual artwork, surface artistically covered with paint

hanging scroll type of scroll painting

External sources

Smithsonian resource fsg\_S1991.83

Wikimedia projects

[reasonator.toolforge.org/?&q=107781236](http://reasonator.toolforge.org/?&q=107781236)

# P9493: artist files at

item	itemLabel	date_of_birth	artist_files_atLabel
<a href="#">Q wd:Q106915946</a>	Bill Beirne	25 October 1941	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q106915948</a>	Bill Richards	19 September 1944	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q97015558</a>	Joseph L. Lasker	1 January 1919	Frick Art Reference Library
<a href="#">Q wd:Q106906922</a>	Aris Koutoulis	1 January 1938	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q106095825</a>	Catherine Kernan	6 September 1948	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q84498504</a>	Jerry Ingram	13 December 1941	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q106777497</a>	William Sanger	12 November 1875	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q77324927</a>	Irene Siegel	1 January 1932	Frick Art Reference Library
<a href="#">Q wd:Q94134676</a>	Elisabeth Telling	1 January 1882	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q107099701</a>	David Itchkawich	18 August 1937	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q107099692</a>	Charles B. Keeler	2 April 1882	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q106961713</a>	Carol Rosen	1 January 1933	Smithsonian American Art and Portrait Gallery Library
<a href="#">Q wd:Q100230359</a>	Franklin White	1 January 1943	National Gallery of Art Library



w.wiki/3vmn

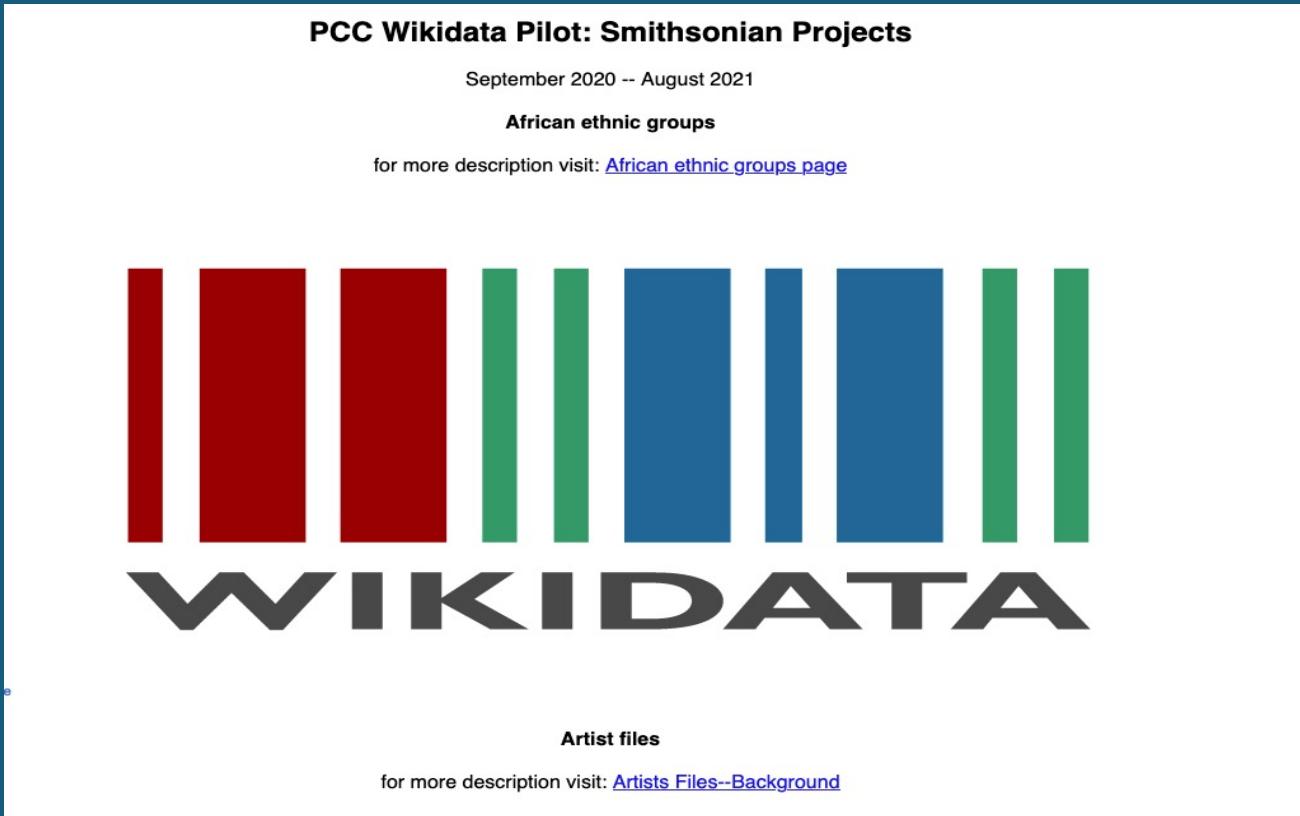
# Libraries Wikidata Team presentations

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

# PCC Wikidata Pilot

## Smithsonian Libraries

### summaries via SPARQL



[sil-vi-database.si.edu/wikidata/PCC\\_pilot\\_SMI.html](http://sil-vi-database.si.edu/wikidata/PCC_pilot_SMI.html) (SI VPN required)

# Libraries' Wiki efforts



# 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 benefits

- 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>  
[wikidata.org/wiki/Wikidata:WikiProject\\_Schemas](https://wikidata.org/wiki/Wikidata:WikiProject_Schemas)

# 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 (SI VPN required)

# Wikibase Properties

Smithsonian  
Wikibase Pilot

Special page

## List of Properties

Showing below up to 231 results starting with #1.

View (previous 250 | next 250) (20 | 50 | 100 | 250 | 500)

- 1. [has property \(P1\)](#)
- 2. [ID\\_Discogs artist \(P4\)](#)
- 3. [ID\\_Discogs label \(P5\)](#)
- 4. [ID\\_Discogs master \(P6\)](#)
- 5. [ID\\_Discogs release \(P7\)](#)
- 6. [ID\\_DOI \(P8\)](#)
- 7. [ID\\_Facebook \(P9\)](#)
- 8. [ID\\_FAST \(P10\)](#)
- 9. [ID\\_GeoNames \(P11\)](#)
- 10. [ID\\_Global Biodiversity Information Facility \(P12\)](#)
- 11. [ID\\_GND \(P13\)](#)
- 12. [ID\\_ULAN \(P14\)](#)
- 13. [ID\\_UNIMARC: Medium of performance \(P15\)](#)
- 14. [ID\\_VIAF \(P16\)](#)
- 15. [ID\\_WikiData \(P17\)](#)
- 16. [ID\\_WorldCat Registry \(P18\)](#)
- 17. [ID\\_WorldCat Work ID \(P19\)](#)
- 18. [illustrator \(P20\)](#)
- 19. [image caption \(P21\)](#)
- 20. [imported from \(P22\)](#)
- 21. [inception \(P23\)](#)
- 22. [father \(P25\)](#)
- 23. [mother \(P26\)](#)
- 207. [sameAs \(P210\)](#)
- 208. [said to be the same as \(P211\)](#)
- 209. [full work available at URL \(P212\)](#)
- 210. [subproperty of \(P213\)](#)
- 211. [of \(P214\)](#)
- 212. [subsidiary \(P216\)](#)
- 213. [published in \(P217\)](#)
- 214. [based on \(P218\)](#)
- 215. [ID\\_Crossref funder \(P220\)](#)
- 216. [ID\\_ROR \(P221\)](#)
- 217. [country of citizenship \(P222\)](#)
- 218. [ID\\_Profiles \(P223\)](#)
- 219. [formatter URL \(old?\) \(P224\)](#)
- 220. [usage instructions \(P225\)](#)
- 221. [image \(P226\)](#)
- 222. [Manchu \(P227\)](#)
- 223. [language of work or name \(P228\)](#)
- 224. [practiced by \(P229\)](#)
- 225. [ID\\_Wikidata Property \(P230\)](#)
- 226. [Director/Manager \(P231\)](#)
- 227. [artist files at \(P232\)](#)
- 228. [work location \(P233\)](#)
- 229. [depicts \(P234\)](#)
- 230. [ID\\_WorldCat Identities \(P235\)](#)
- 231. [ID\\_SLA image number \(P236\)](#)

# Libraries Wikidata Team external collaborations

- Wikimedia Deutschland (WMDE)  
*meta.wikimedia.org/wiki/Wikimedia\_Deutschland*
- LD4 Wikidata and Wikibase WbStack Working hour group  
*wikidata.org/wiki/Wikidata:WikiProject\_LD4\_Wikidata\_Affinity\_Group/Wikibase\_and\_WBStack\_Working\_Hours*
- PCC Wikidata Group  
*wiki.lyrasis.org/display/pccidmgt/Wikidata+Pilot*
- Wikibase Stakeholders (Rhizome)  
*wbstakeholder.group*
- Art Libraries Wikibase group (Frick, Getty, and AAPG)

# 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.

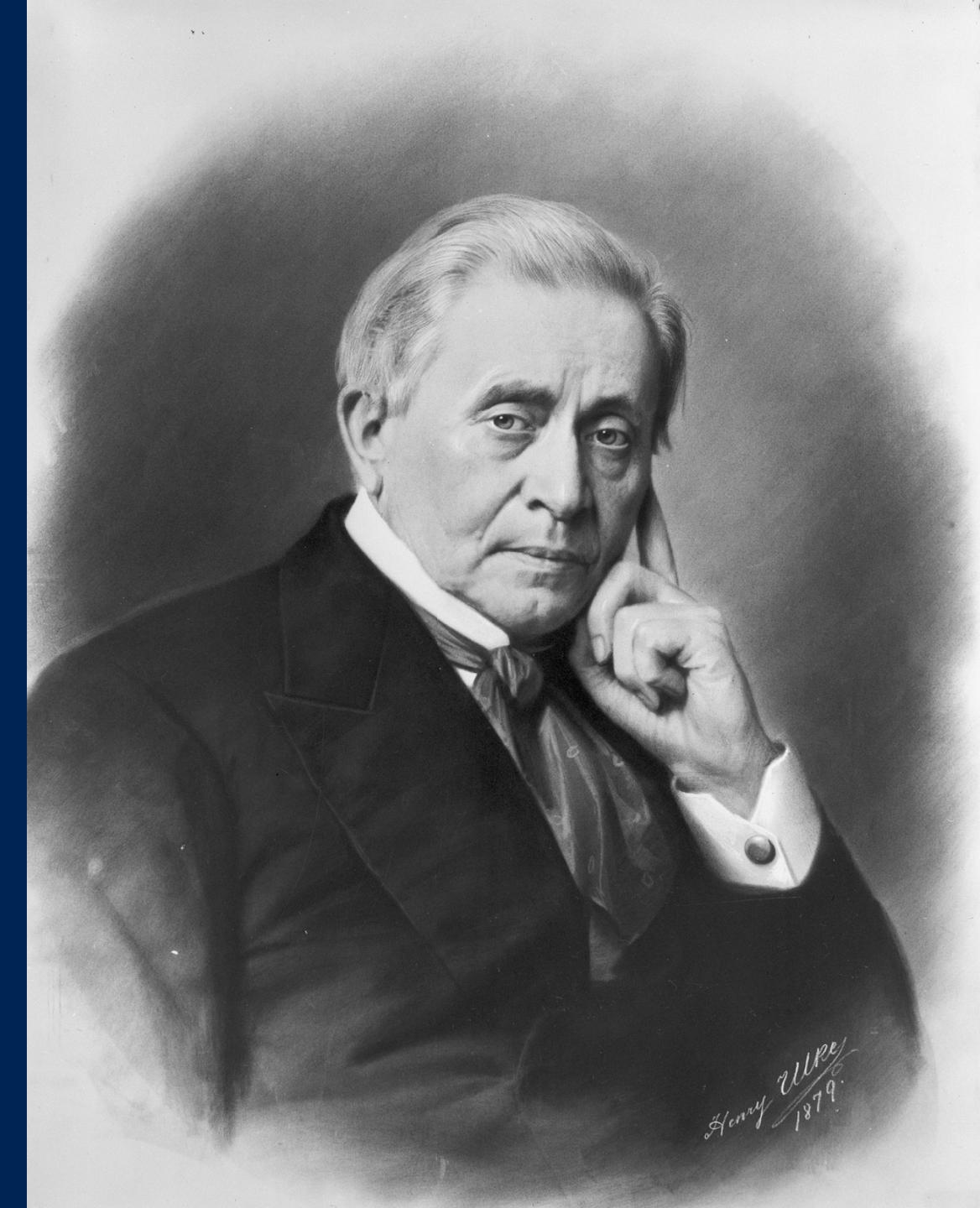
## Wikimedia and Linked Data FAQs

- » 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?

“The worth and importance of the Institution is not to be estimated by what it accumulates within the walls of its building, but by what it **sends forth** to the world.”

—Joseph Henry, 1852

First Secretary of the Smithsonian Institution  
(1846-1878)



# Libraries Wikidata Team

**Heidy Berthoud**, Head of Resource Description. [Berthoudh](#)

**Rebecca Bruner**, Library Technician, Hirshhorn Museum and Sculpture Gallery Library. [Rebeccabruner](#)

**Anne Evenhaugen**, Head Librarian, Smithsonian American Art and Portrait Gallery Library. [aceven](#)

**Nilda Lopez**, Library Technician, Cooper Hewitt Smithsonian Design Library. [NeoNilz](#)

**Richard Naples**, Technical Information Specialist, Metadata Services. [Drastician](#)

**Kathryn Phillips**, Librarian for South, Southeast and Middle Eastern Art and Architecture. [JuliaAgricola](#)

**Suzanne Pilsk**, Head, Metadata Services. [Pilsks](#)

**Alexandra Reigle**, Librarian, Smithsonian American Art and Portrait Gallery Library. [AReigle](#)

**Keala Richard**, Conservation Technician, Smithsonian Libraries and Archives Preservation Department. [Km31284](#)

**Diane Shaw**, Special Collections Cataloger. [Uncommon fritillary](#)

**Jackie Shieh**, Descriptive Data Management Librarian. [ShiehJ](#)

**Mike Smith**, Librarian for Korean art, American art, Conservation and Scientific Research, and serials. [78smith](#)

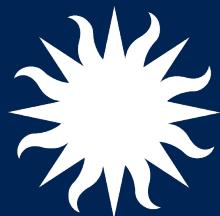
**Janet Stanley**, African Art Museum Librarian.

**Amy Watson**, Resource Description. [WatsonAmy](#)

**Yue Shu**, Librarian for Chinese language. [Shuyuex0320](#)

# Thank you!

[bit.ly/CIMC202109LibWD](https://bit.ly/CIMC202109LibWD)



Smithsonian  
*Libraries and Archives*

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