

Overview of Wikidata & GLAM Applications and Use Cases

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See also:

<https://www.wikidata.org/wiki/Wikidata:Tools>

Template for the Description of Use Cases

Name of the Application

<i>Description of the application and/or the use case</i>	
<i>Screenshot</i>	
Description	<i>Description of the application</i>
Maturity Level of the Implementation	<p><i>Assignment to one of the following categories (with an indication of the date):</i></p> <ul style="list-style-type: none">- <i>Concept</i>- <i>Proof of concept</i>- <i>Demo version</i>- <i>Finished application</i> <p><i>In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.</i></p> <p><i>In the case of finished applications: Indications with regard to their dissemination and use.</i></p>
URL	<i>Link(s) under which the application is accessible</i>
Developer, maintainer, provider of the application	<i>Information about the developer(s), maintainer(s), and provider of the application</i>
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

Data Use in the Context of Wikipedia and other Wikimedia Projects

Listeria

<div> <div>Listeria</div> </div>	
Description	<i>Description of the application</i>
Maturity Level of the Implementation	Finished application; widely used on project pages
URL	Examples: https://commons.wikimedia.org/wiki/Self-portraits_of_women
Developer, maintainer, provider of the application	<i>Information about the developer(s), maintainer(s), and provider of the application</i>

Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

Wikidata Gallery Template

<i>Description of the application and/or the use case</i>	
<i>Screenshot</i>	
Description	A template based on Magnus Manske's ListeriaBot that allows to create automatically-updated Commons gallery pages using Wikidata.
Maturity Level of the Implementation	Demo version (September 2018)
URL	Examples: https://commons.wikimedia.org/wiki/User:Pyb/Brouillon
Developer, maintainer, provider of the application	Mike Peel
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	See the alternative, direct use of the Listeria tool to create Commons gallery pages: https://commons.wikimedia.org/wiki/Self-portraits_of_women

Wikipedia Infoboxes

Mbabel Article Generator

Creates basic structures of Wikipedia articles with pre filled information from Wikidata.

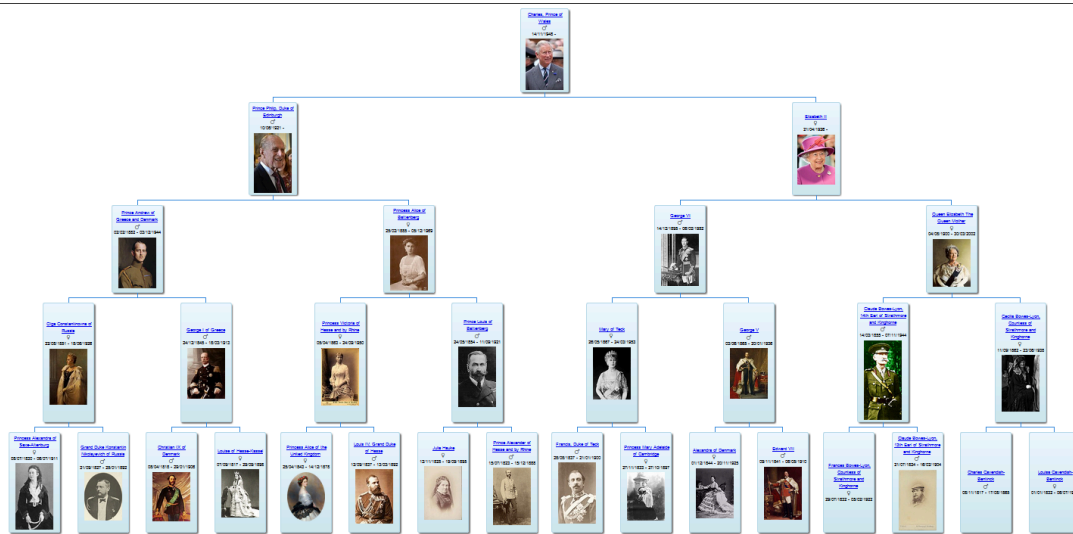
<https://en.wikipedia.org/wiki/Template:Mbabel>

<https://pt.wikipedia.org/wiki/Wikip%C3%A9dia:Mbabel>

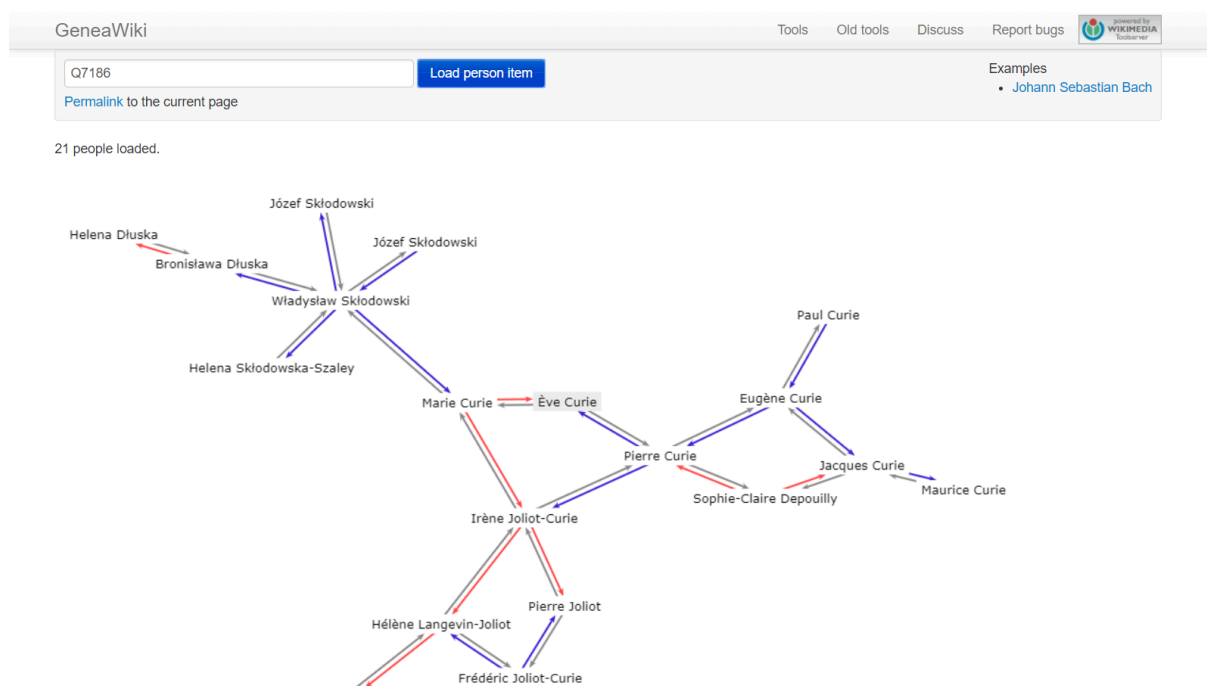
See also: PrebBio for articles about people:

<https://tools.wmflabs.org/magnustools/prepbio.php>

<https://tools.wmflabs.org/family/ancestors.php>



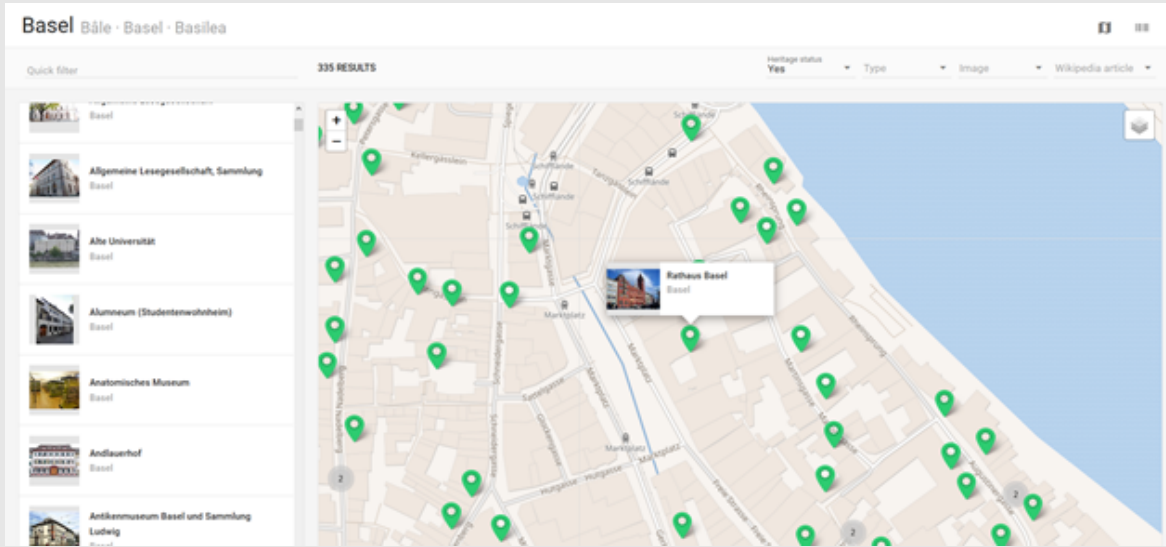
GeneaWiki



<https://tools.wmflabs.org/magnus-toolserver/ts2/geneawiki/>

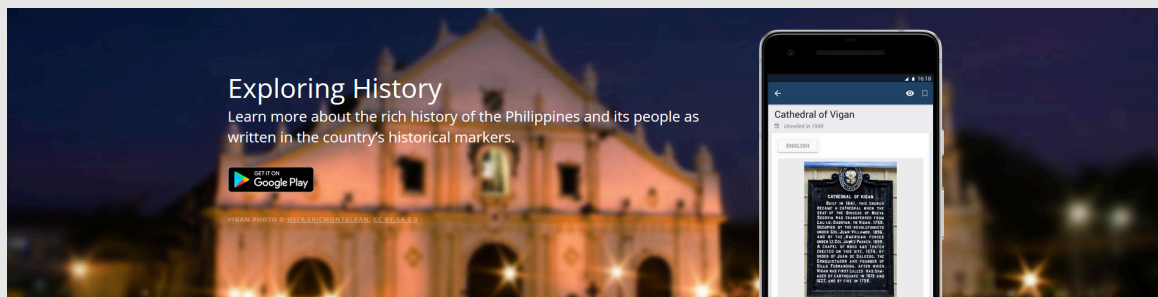
Show Cases of Data Use Beyond the Wiki World

Monumental

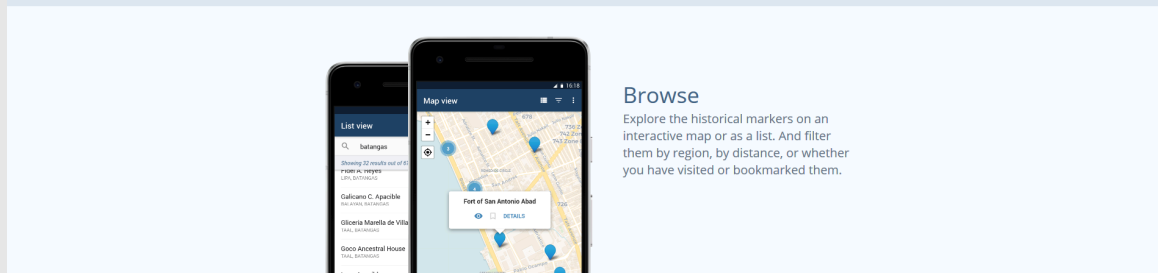
Monumental	
	
Description	Monumental is a web app, based on Wikidata, which displays information related to historical monuments on a map. The app allows logged-in users to directly edit Wikidata. The App also includes a Wikidata game for the matching of Wikidata entries with Wikimedia Commons categories.
Maturity Level of the Implementation	Finished application used worldwide in the context of the Wiki Loves Monuments, the world's largest photo contest.
URL	View of Basel: https://tools.wmflabs.org/monumental/#/list/78?c=47.5608;7.6095;13&heritage=1
Developer, maintainer, provider of the application	User:Yarl (Pawel Marinowsky) User:Slaporte (Stephen LaPorte)
Data required and/or used	Inventories of historical monuments (on Wikidata)
Outlook, future potential	The app could be ported to other areas of application (geography-based objects). 05.10.2018: Contacted Pawel (FB) with regard to future plans.

Panandâ

Description of the application and/or the use case



Panandâ (ᜏᜒᜃᜅ᜔) is a mobile app that lets you explore the historical markers and commemorative plaques installed by the National Historical Commission of the Philippines (NHCP) and its predecessor agencies. Panandâ uses data from Wikidata and photos from Wikimedia Commons, which are sister projects of Wikipedia.

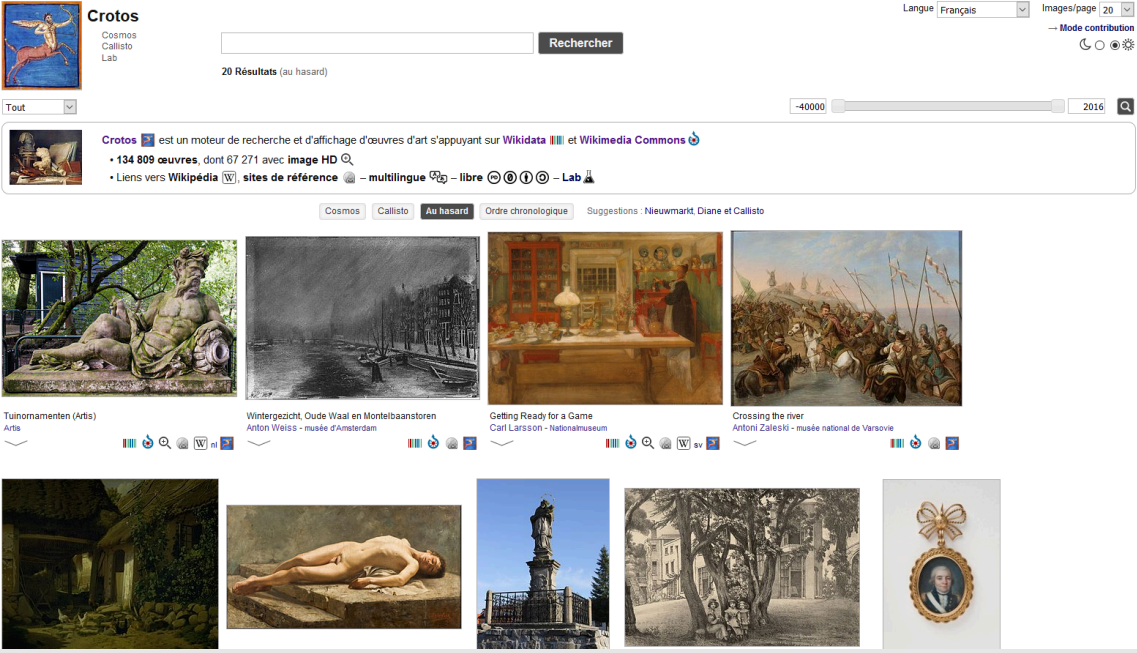


Browse

Explore the historical markers on an interactive map or as a list. And filter them by region, by distance, or whether you have visited or bookmarked them.

Description	Mobile app for the exploration of the cultural heritage of the Philippines based on the historical markers and commemorative plaques installed by the National Historical Commission of the Philippines. In summer 2018, the mobile app had data on 800 historical markers and links to 856 photographs.
Maturity Level of the Implementation	Finished Application
URL	https://pananda.sector4f.com/
Developer, maintainer, provider of the application	Contact: Eugene Alvin Villar
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

Crotos

Crotos	
	
Description	Search and display engine for visual artworks, based on Wikidata and using Wikimedia Commons files and available in 33 different languages. Search results can be filtered using categories (e.g. Painting, sculpture) or time periods (e.g. from 1560-1760). Artworks can be displayed in random or chronological order. There is also a contribution mode to filter some missing properties for visual artwork.
Maturity Level of the Implementation	Finished application, using Wikidata since April 2014
URL	http://zone47.com/crotos/
Developer, maintainer, provider of the application	User:Shonagon
Data required and/or used	Data on artworks
Outlook, future potential	

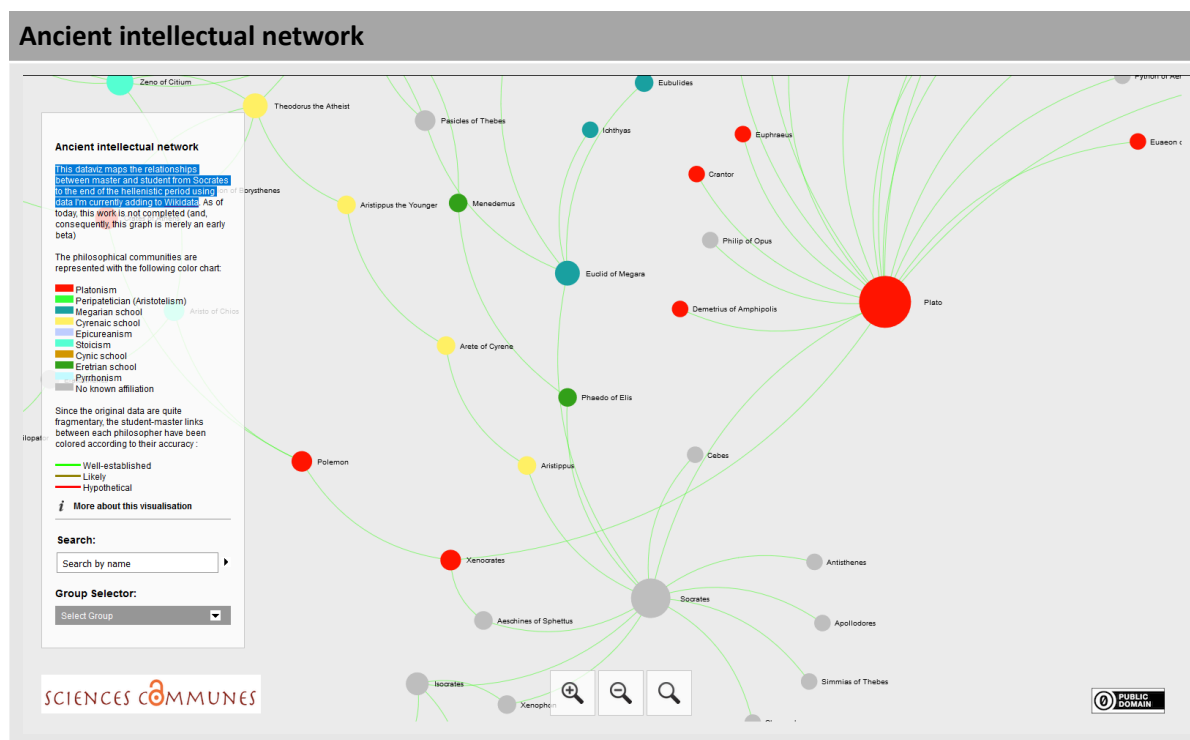
Water-fountains.org

Water-fountains.org	
Description	Water-fountains.org ist ein Open-Source-Projekt, das die 1200 Brunnen der Stadt Zürich exemplarisch verzeichnet und mit Koordinaten sowie mit Angaben zur Wasserquelle und historischen Informationen versieht. Die Daten zu Brunnen werden in Wikidata eingepflegt und von dort via den SPARQL-Endpoint wieder ausgelesen. Die Informationen sind über eine Web-App abrufbar.
Maturity Level of the Implementation	Proof of Concept (August 2018), in Arbeit - the fountains are already in Wikidata.
URL	https://water-fountains.org/
Developer, maintainer, provider of the application	Matthew Moy de Vitry
Data required and/or used	Data about fountains
Outlook, future potential	<p>Die Realisierung des Projekts wird durch eine Stiftung finanziert. Es ist daher mit der Fertigstellung zumindest einer Demoversion der Anwendung gegen Ende 2018/Anfang 2019 zu rechnen. Das Projekt fokussiert zunächst auf die Stadt Zürich und soll anschliessend ausgebaut werden.</p> <p>Im Raum Bern gibt es eine vom Projekt unabhängige Initiative von Wikipedianern und Personen aus dem Umkreis von OpenStreetMap, welche Brunnen in Bern in</p>

Wikidata verzeichnen wollen. D.h. es ist von einem Take-up und Unterstützung des Projekts durch die Wikidata-Community zu rechnen.

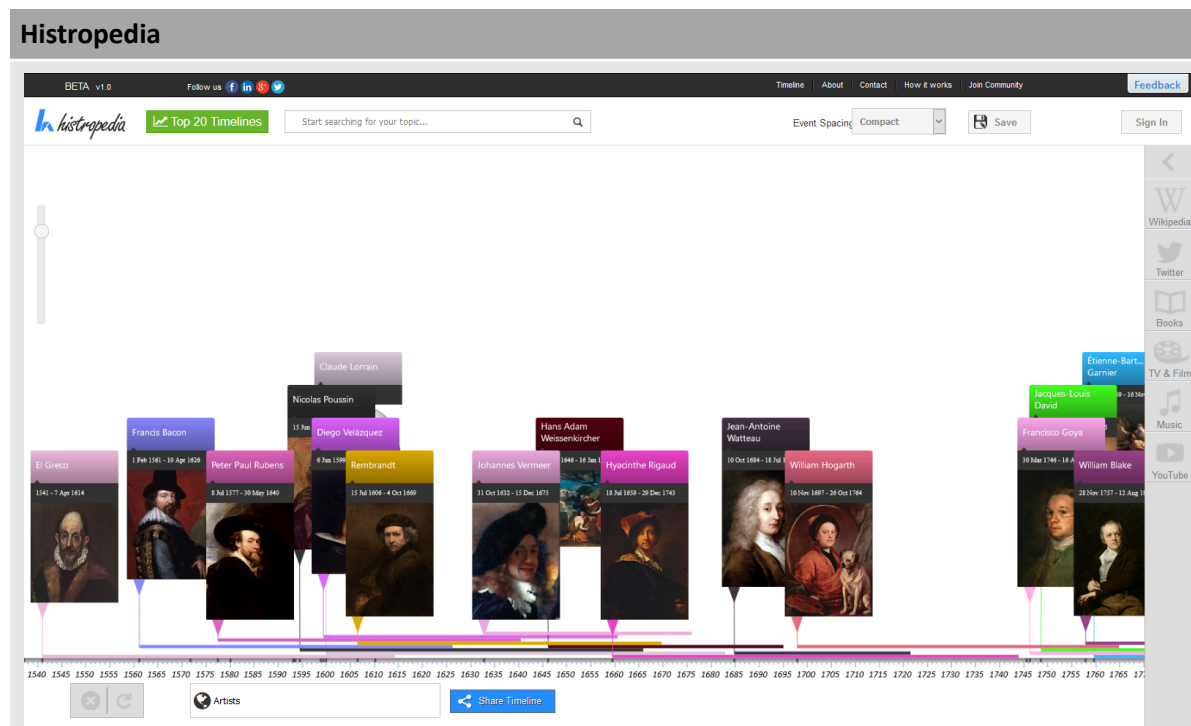
Für Basel besteht zudem ein Brunnenführer aus dem Jahr 2002 (<http://www.brunnenfuehrer.ch/>), von dem jene Daten, welche nicht dem Urheberrecht unterstehen, ebenfalls auf Wikidata eingepflegt werden können.

Ancient intellectual network



Description	Data visualization which maps the relationships between master and student from Socrates to the end of the hellenistic period using data added to Wikidata.
Maturity Level of the Implementation	Demo version (September 2018)
URL	http://projetjournadain.org/network/index.html
Developer, maintainer, provider of the application	
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

Histropedia



Description

Histropedia uses data from Wikipedia and Wikidata to automatically generate interactive timelines with events linked to Wikipedia articles. Combine timelines and events to create your own custom timeline and start playing lego with history! From ABBA albums to Zulu Kings, and almost everything inbetween, the timeline directory lets you discover thousands of timelines on hundreds of topics all from the search box on Histropedia.

Maturity Level of the Implementation

Finished application

URL

<http://histropedia.com>
<http://histropedia.com/histropediaajs/>

Example timeline:
<http://histropedia.com/timeline/5bnj79bjyr/Artists>

Developer, maintainer, provider of the application

[Navino Evans and Sean McBirnie](#)

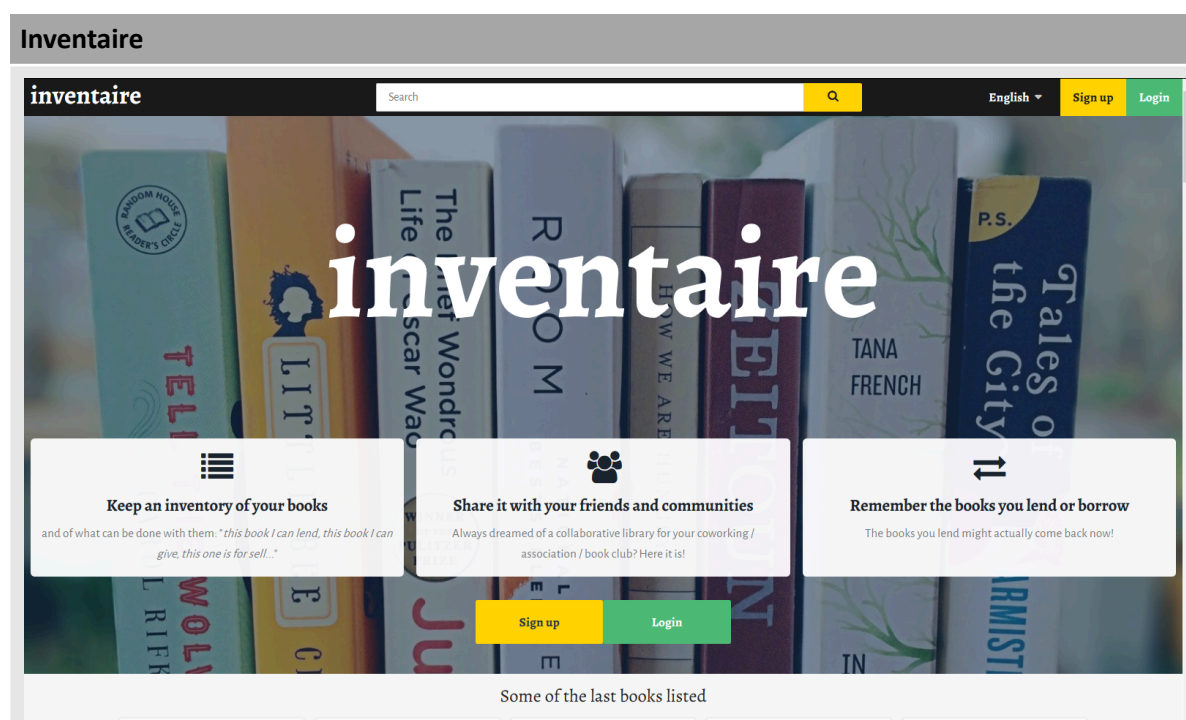
Data required and/or used

Enumeration of the data required and/or used.

Outlook, future potential

Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.

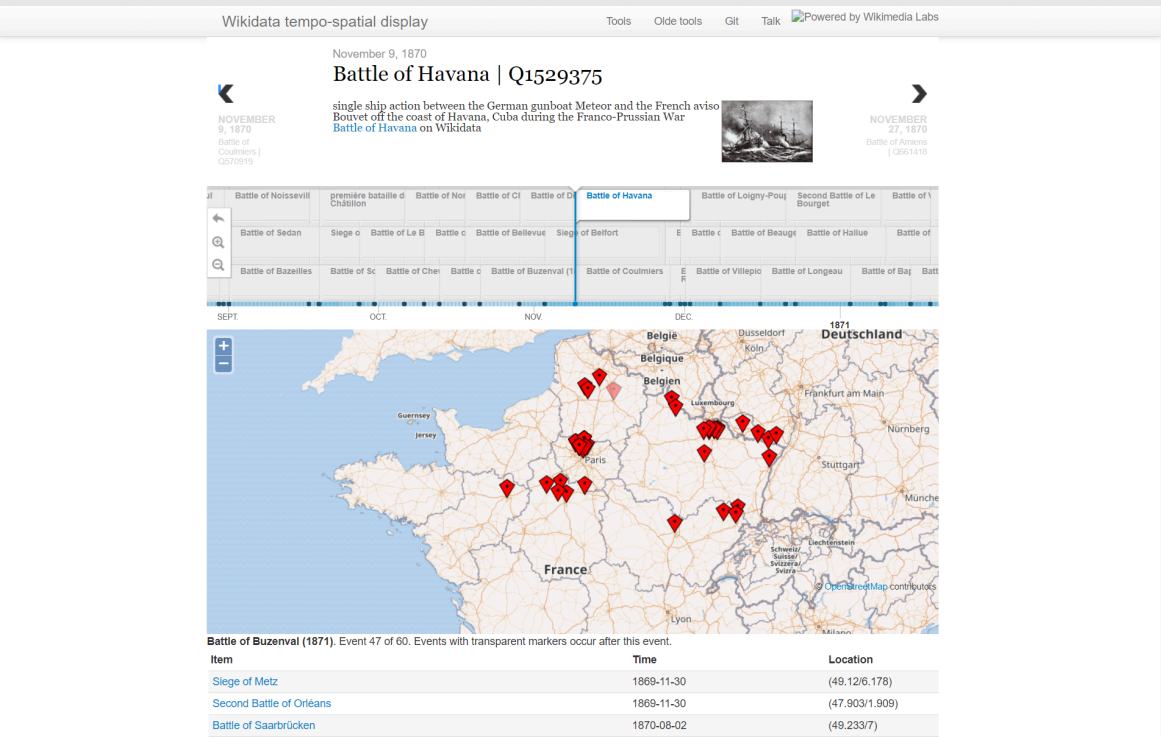
Inventaire



Description	Description of the application
Maturity Level of the Implementation	<p>Assignment to one of the following categories (with an indication of the date):</p> <ul style="list-style-type: none"> - Concept - Proof of concept - Demo version - Finished application <p><i>In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.</i></p> <p><i>In the case of finished applications: Indications with regard to their dissemination and use.</i></p>
URL	<p>https://inventaire.io</p> <p>Blog posts:</p> <p>https://inventaireio.tumblr.com/post/110540440753/mapping-resources-using-open-knowledge-starting</p> <p>http://www.bibliobsession.net/2016/01/27/entretien-maxime-lathuiliere-fondateur-dinventaire-io/</p>
Developer, maintainer, provider of the application	<p>Maxime Lathuilière (Projet, Design, Quelltext)</p> <p>Vincent Jumeaux (Quelltext, Projekt)</p>

Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

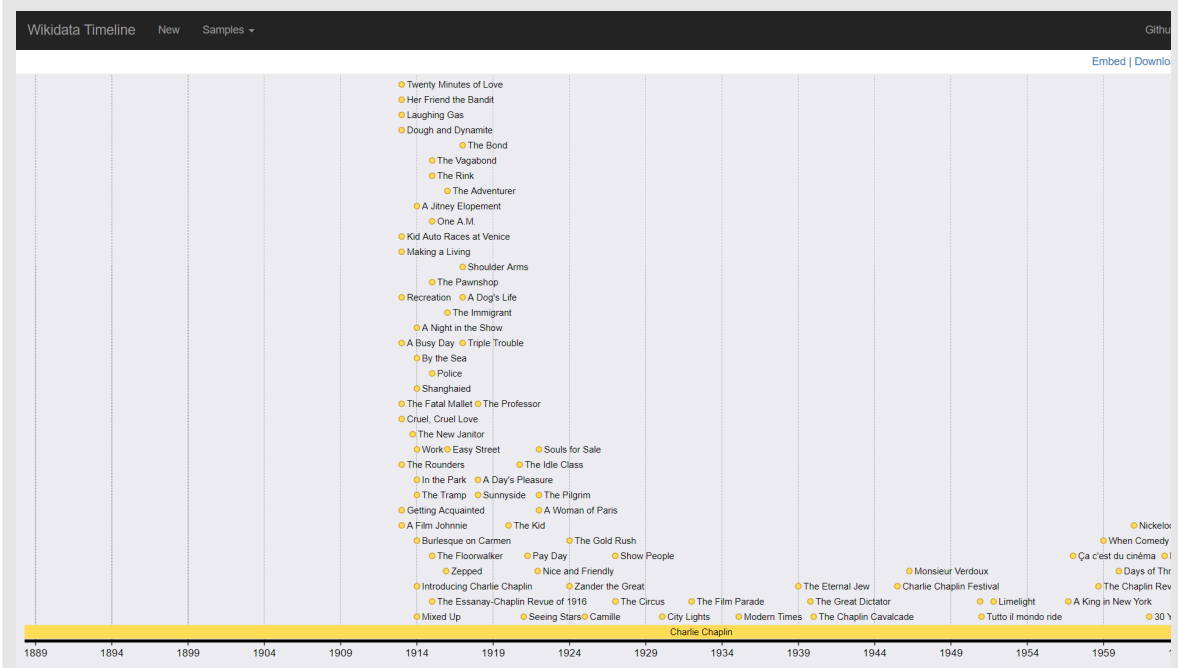
Tempo-spatial display

Tempo-spatial display	
	
Description	<p>Web application which shows tempo-spatial information from Wikidata, including a timeline of events and a map.</p>
Maturity Level of the Implementation	<p>Assignment to one of the following categories (with an indication of the date):</p> <ul style="list-style-type: none"> - Concept - Proof of concept - Demo version - Finished application <p>In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.</p> <p>In the case of finished applications: Indications with regard to their dissemination and use.</p>
URL	<p>https://tools.wmflabs.org/wikidata-todo/tempo_spatial_display.html</p>
Developer, maintainer, provider of the application	<p>Information about the developer(s), maintainer(s), and provider of the application</p>

Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application.</i> <i>Indications with regard to the further development, future use of the application.</i>

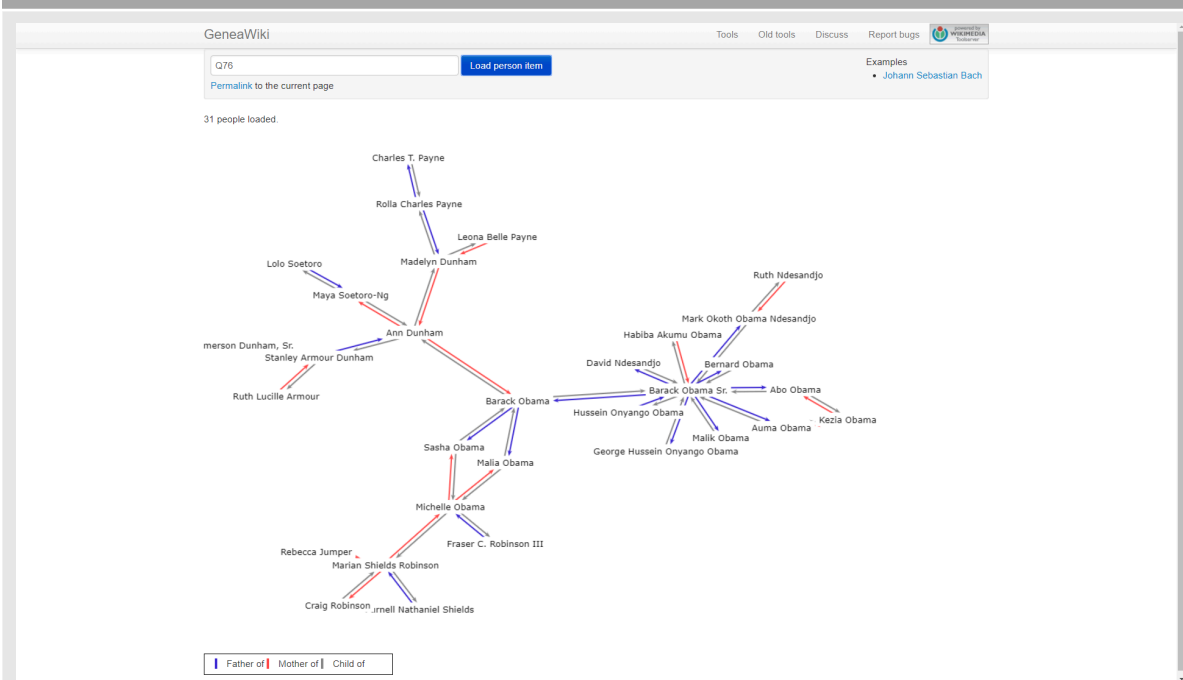
Wikidata Timeline

Description of the application and/or the use case



Description	<i>Description of the application</i>
Maturity Level of the Implementation	<p><i>Assignment to one of the following categories (with an indication of the date):</i></p> <ul style="list-style-type: none"> - Concept - Proof of concept - Demo version - Finished application <p><i>In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.</i></p> <p><i>In the case of finished applications: Indications with regard to their dissemination and use.</i></p>
URL	https://tools.wmflabs.org/wikidata-timeline/#/timeline
Developer, maintainer, provider of the application	<i>Information about the developer(s), maintainer(s), and provider of the application</i>
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

Tempo-spatial display



Description

GeneaWiki is a simple graph viewer showing genealogy information in WikiData. Starting from a single person, it will try and construct the family tree according to father, mother, and child statements.

Maturity Level of the Implementation

Assignment to one of the following categories (with an indication of the date):

- *Concept*
- *Proof of concept*
- *Demo version*
- *Finished application*

In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.

In the case of finished applications: Indications with regard to their dissemination and use.

URL

<https://tools.wmflabs.org/magnus-toolserver/ts2/geneawiki>

Developer, maintainer, provider of the application

Information about the developer(s), maintainer(s), and provider of the application

Data required and/or used

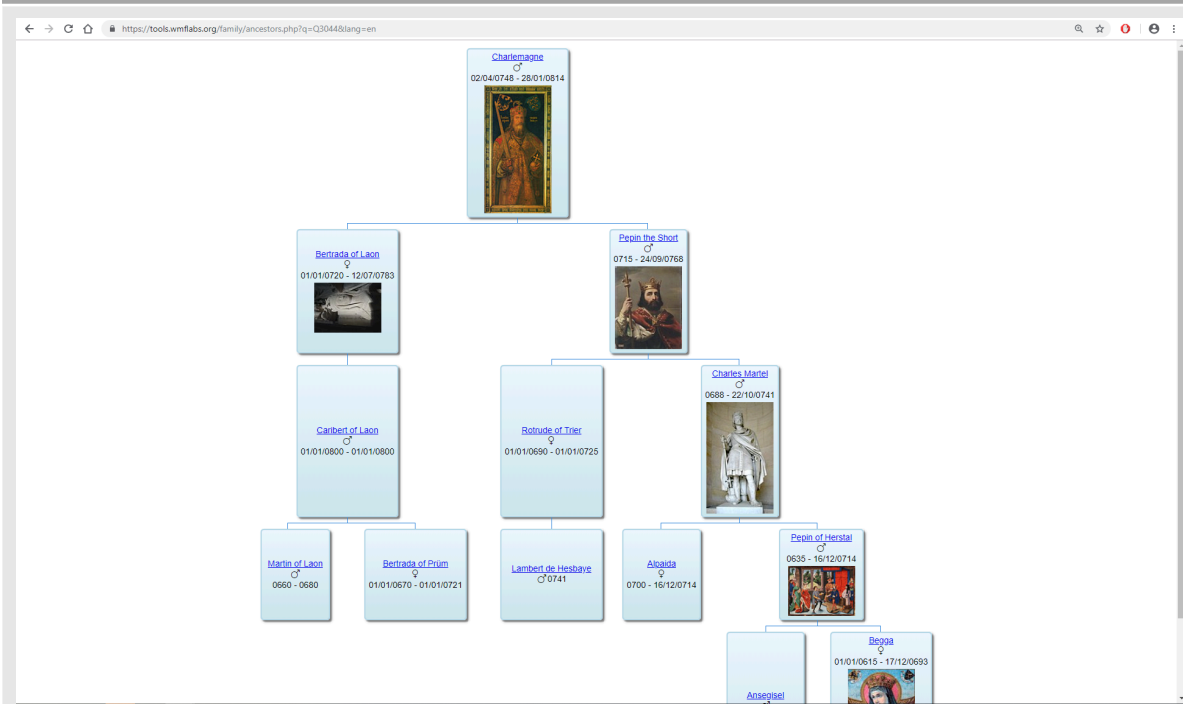
Enumeration of the data required and/or used.

Outlook, future potential

Does not work well for people with many relations. Could be improved to create nice family trees that are browsable / extendable as you explore them.

Ancestor Tool

Description of the application and/or the use case



Description	<i>Description of the application</i>
Maturity Level of the Implementation	<p>Assignment to one of the following categories (with an indication of the date):</p> <ul style="list-style-type: none"> - Concept - Proof of concept - Demo version - Finished application <p><i>In unfinished applications: Indications regarding the implementation status (work in progress, postponed, cancelled), with an indication of reasons.</i></p> <p><i>In the case of finished applications: Indications with regard to their dissemination and use.</i></p>
URL	https://tools.wmflabs.org/family/ancestors.php
Developer, maintainer, provider of the application	<i>Information about the developer(s), maintainer(s), and provider of the application</i>
Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<p><i>Outlook; evaluation of the future potential of the application.</i></p> <p><i>Indications with regard to the further development, future use of the application.</i></p>

Collection Explorer

Description of the application and/or the use case

Collection Explorer

Depicted

Creators

Locations

Cultures & Eras

Types & Materials

About

Buddhism

Buddhist devotees

Christianity

Hindu deities and mythology

Rulers in the Indian Subcontinent

Jainism

Japanese poets

Samurai

The Mahabharata

The Shatinameh

China

Creatures

The Zodiac

Other topics

Buddhism

Gautama Buddha

philosopher, reformer and the founder of Buddhism

Adi Buddha

primordial Buddha

Anantabha

celestial Buddha

Anagahadidha

Buddha of wisdom in Tibetan Buddhism

Avalokitesvara

Buddhist deity embodying compassion

Guan Yin

East Asian deity associated with compassion

Harti

deity in Buddhist traditions

Ksitigarbha

bodhisattva

Maitreya

future bodhisattva

Manjusri

Bodhisattva

Tara

female Bodhisattva

Utsavijaya

Buddha of longevity

Vairocana

celestial Buddha embodying emptiness

Vajravajra

deity in Japanese Buddhism

Vajradhara

primordial Buddha

Vajrapani

deity in Buddhism

Vajrasattva

deity in Buddhism

Vasudhara

Buddhist bodhisattva of prosperity

Yamarajaka

"lord of death" deity in Buddhism

bhikkhu

male Buddhist monk

Parinirvana

In Buddhism, the final bliss of an enlightened being

Vajravajra

wrathful form of Vajrayogini in Tibetan Buddhism

Buddhist devotees

Bodhidharma

Indian-Chinese philosopher and Buddhist Monk

bodhisattva

In Buddhism, a being who has developed a spontaneous wish and a compassionate mind to attain Buddhahood for the benefit of all sentient beings

Candrakirti

Indian philosopher

Je Tsongkhapa

Tibetan Lama

Ksitigarbha

bodhisattva

Marpa Lotsawa

Tibetan Buddhist teacher

Moheyan

8th century Buddhist monk

Nagarjuna

Indian philosopher

Naropa

Indian Buddhist Mahasiddha

Nishin

Japanese monk

Description

This is an experimental service for browsing some items from Oxford University collections, including the [Yousef Jameel Centre for Islamic and Asian Art](#), the Bodleian Library and the Pitt Rivers Museum. People and places connected to the artworks are linked to additional resources such as the Benezit Dictionary of Artists, Early Modern Letters Online, Nomisma, VIAF, GeoNames and Wikimedia Commons.

Maturity Level of the Implementation

Demo Version

URL

<http://glam-discovery.bodleian.ox.ac.uk/>

Developer, maintainer, provider of the application

Martin Poulter, martin.poulter@bodleian.ox.ac.uk

Data required and/or used

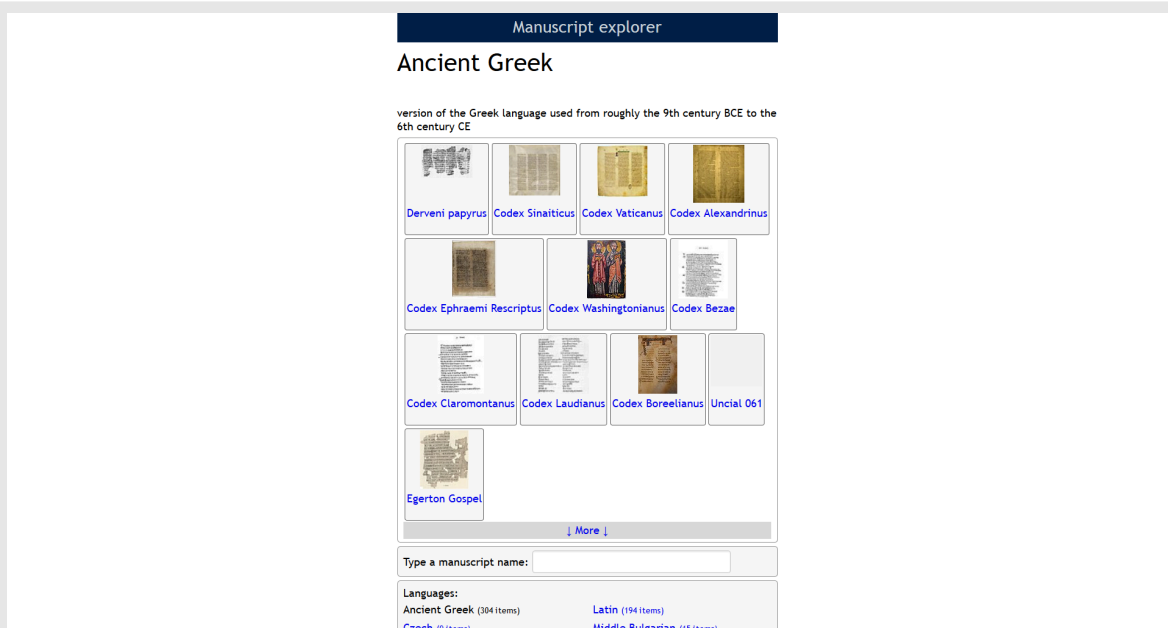
Data about art works in Oxford collections, and people, places cultures and entities connected to those art works, e.g. artists, depicted deities, places of creation or depiction, eras of history.

Outlook, future potential

Under active development to include a greater range of art works, cache data to deliver pages more quickly, and offer autocomplete.

Manuscript Explorer

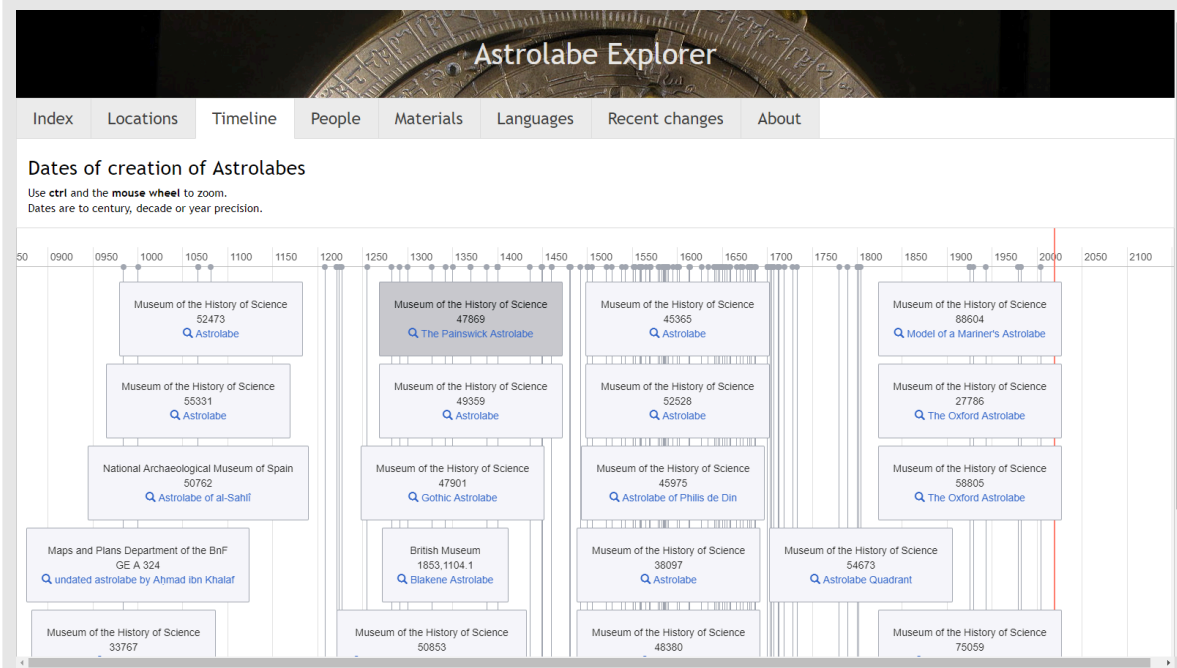
Description of the application and/or the use case



Description	Web application for the exploration of manuscripts. Shows manuscripts that are known to Wikidata, browseable by collection or by language, with Wikipedia extracts, images from Wikimedia Commons and links for further information.
Maturity Level of the Implementation	Proof of concept
URL	http://glam-discovery.bodleian.ox.ac.uk/manuscripts
Developer, maintainer, provider of the application	Martin Poulter, martin.poulter@bodleian.ox.ac.uk
Data required and/or used	Data about manuscripts (and sub-types)
Outlook, future potential	No longer actively developed but will become richer as more manuscripts are added to Wikidata, Commons and Wikipedia. Lessons learned from this fed into the creation of Collection Explorer.

Astrolabe Explorer

Description of the application and/or the use case



Description

Web application for the exploration of astrolabes. Astrolabes are instruments historically used by astronomers and navigators to measure the inclined position in the sky of a celestial body. They can be used to identify stars and planets, to determine local latitude given local time, to survey, or to triangulate.

The application is a proof-of-concept tool for exploring astrolabes that are known to Wikidata. It is part of an effort among the scientific community to collect data about all known astrolabes in museums and private collections. The application uses Wikidata for a multilingual interface, for visualisations, and for additional information about people and places which would not normally appear in a museum catalogue.

Maturity Level of the Implementation

Proof-of-Concept

URL

<http://glam-discovery.bodleian.ox.ac.uk/astrolabes>

Blog post:

<http://blogs.bodleian.ox.ac.uk/digital/2018/08/08/global-collection-astrolabes-linked-open-data/>

Developer, maintainer, provider of the application

Martin Poulter, martin.poulter@bodleian.ox.ac.uk

Data required and/or used	Data about astrolabes, their creators and places of creation.
Outlook, future potential	The next phase of development will add more ways to browse the collection. We are also looking to bulk-import some data about astrolabes. It is very helpful that the community are adding obscure astrolabes manually- thanks to anyone who does this.

The Sibthorp & Bauer Expedition

Description of the application and/or the use case

Map & Timeline
Index of plant species
Common names of plants
The books

August 1786

< Backwards | Forwards >

To zoom this map, use the mouse wheel or the + and - buttons.

Leaflet | Map data © OpenStreetMap contributors, CC-BY-SA, Imagery © Mapbox

Powered by Wikidata. Images © the Sherardian Library of Plant Taxonomy except where stated.

We are not responsible for the content of external links. This site uses Google Analytics. [How to opt out.](#)

Description	<p>Web application for the exploration of the botanical expedition by Sibthorp and Bauer in 1786-1787, the findings of which were published in Flora Graeca. Uses taxonomic information from Wikidata to place the species depicted in a taxonomic tree, and also to give common names for species.</p> <p>This application requires geographical, temporal, taxonomic and artistic data, so a single-purpose database would not support it.</p>
Maturity Level of the Implementation	Demo version in active development
URL	http://glam-discovery.bodleian.ox.ac.uk/botany/
Developer, maintainer, provider of the application	Martin Poulter, martin.poulter@bodleian.ox.ac.uk
Data required and/or used	Art works of Ferdinand Bauer resulting from the expedition, plus the species depicted and the locations depicted.
Outlook, future potential	Other artworks and data about the expedition still to be added.

Textes d’Affiches

Description of the application and/or the use case

Textes d’Affiches

Search for:

Calègories

Le Moine

Le Moine (titre original *Der Mönch und die Frauen*) est l’adaptation cinématographique du livre éponyme de Matthew Gregory Lewis. Il a été réalisé par Ado Kyrrou et scénarisé par Luis Bufuel et Jean-Claude Carrière.

[Lire la suite](#)

Réalisateur	Ado Kyrrou
Distribution	Agnès Capri, Armand Meffre, Denis Manuel, Élisabeth Wiener, Franco Nero, Jean Abeillé, Louise Chevalier, Marcel Rouzé, Maria Machado, Nadja Tiller, Nathalie Delon, Nicol Williamson, Patrick Lancelot, Philippe Clévenot
Date de réalisation	1972
Langue	français
Pays	France, Allemagne, Italie
Genre	film d’honneur, adaptation cinématographique
	IMDb - Wikipédia - Wikidata

Les ouvrages

Le Moine

Auteur

Matthew Gregory Lewis

Date de publication

1796

Fiche détaillée

Lire sur Gallica

À propos

Description

Web app that links movie posters with the works the movies are based on. It points the users to the full-texts in [Gallica](#) (the online platform of the National Library of France). The idea behind Textes d’Affiches is to point users who are more familiar with the movies to the library content.

Textes d’Affiches a pour vocation de donner accès à des ouvrages disponibles sur [Gallica](#) via les films adaptés de ces ouvrages. L’équipe à l’initiative de Textes d’Affiches a voulu permettre à de nouveaux publics, plus familiers du format vidéo que du format texte, de s’approprier les collections de Gallica.

Maturity Level of the Implementation

Finished application (May 2017)

URL

<https://textesdaffiches.histoiredelart.fr>
Description (in French) :
<http://zone47.com/dozo/textes-daffiches-des-films-a-lire-sur-gallica>

Developer, maintainer, provider of the application

User:Shonagon and Karl Pineau

Data required and/or used

Mixed data and contents of Wikidata, BnF (data.bnf.fr and Gallica), Omdb

Outlook, future potential

Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.

Scholia


Description of the application and/or the use case


[Scholia](#) [Author](#) [Work](#) [Organization](#) [Location](#) [Event](#) [Award](#) [Topic](#) [Tools](#) [Help](#)

author

Denny Vrandečić (Q18618629)

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2012-06-01	Revisiting reverts: accurate revert detection in Wikipedia	scholarly article		Hypertext	Denny Vrandečić, Fabian Flöck, Elena Simperl

Description

Scholia is a project to present bibliographic information and scholarly profiles of authors and institutions using Wikidata. It is being developed in the framework of the larger [WikiCite](#) initiative, which seeks to index [bibliographic metadata](#) in Wikidata about resources that can be used to substantiate claims made on Wikidata, Wikipedia or elsewhere.

Maturity Level of the Implementation

Demo version

URL

<https://tools.wmflabs.org/scholia>

Description:
<https://www.wikidata.org/wiki/Wikidata:Scholia>

Developer, maintainer, provider of the application

Finn Årup Nielsen, User:Fnielsen

Data required and/or used

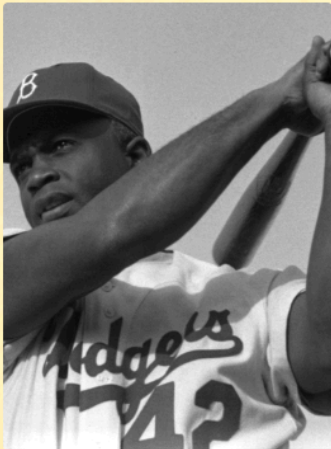
Enumeration of the data required and/or used.

Outlook, future potential

Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.

Cultural History Baseball Cards

Description of the application and/or the use case



123

JACKIE ROBINSON

SECOND BASEMAN BROOKLYN DODGERS

Ht: 5' 11" Wt: 195 Bats: Right Throws: Right

Born: Jan 31st, 1919 Died: Oct 24th, 1972

Birthplace: Cairo, Georgia Source: [Wikidata](#)

★★★★★

556

Resources

★★★★★

Cultural and Scholarly Resources about Jackie Robinson

	Scholarly Articles	Images	Multimedia	Printed Primary Sources	Objects & Memorabilia
JSTOR	486	0	0	0	0
Library of Congress	0	7	1	2	3
NMAAHC (Smithsonian)	0	5	0	2	1
Wikimedia Commons	0	49	0	0	0
Totals	486	61	1	4	4

Description

Cultural History Baseball Cards is a beta site developed by JSTOR Labs in collaboration with the [Library of Congress Labs](#) team. Inspired by the Library of Congress' [Baseball Americana](#) exhibition, the site allows users to navigate through both scholarly and cultural materials related to the players, managers, and executives who have shaped the game's history. Once they find materials of interest, users can access these primary and secondary sources directly from the Library of Congress, the Smithsonian's National Museum of African American History and Culture, JSTOR and Wikimedia. These diverse corpora were brought together using a combination of entity extraction, linked open data and Wikidata.

Maturity Level of the Implementation

Demo version.

URL

<https://labs.jstor.org/baseball>

Developer, maintainer, provider of the application

JSTOR Labs

Data required and/or used	<i>Enumeration of the data required and/or used.</i>
Outlook, future potential	<i>Outlook; evaluation of the future potential of the application. Indications with regard to the further development, future use of the application.</i>

TextRazor

Description of the application and/or the use case

The screenshot shows the TextRazor website with a red background. The main heading is "Extract Meaning from your Text." Below it, a paragraph states: "The TextRazor API helps you extract and understand the Who, What, Why and How from your with unprecedented accuracy and speed." There are two buttons: "Free API Key" and "Try The Demo".

Below the main text, there are three bullet points with checkmarks:

- Entity Extraction, Disambiguation and Linking. Keyphrase Extraction. Automatic Topic Tagging and Classification. All in 10 languages.
- Deep analysis of your content to extract **Relations**, **Typed Dependencies** between words and **Synonyms**, enabling powerful context aware semantic applications.
- Rapidly extract custom products, companies and build **problem specific rules** for tagging your content with your own categories.

To the right of the bullet points is a diagram illustrating the extraction of entities and relationships from a text snippet. The text snippet is: "ITN filmed McLaunt talking to the News Corp boss near the Aquatics Centre". The diagram shows boxes for "ITN", "News Corporation", and "London Aquatics Centre" with arrows indicating relationships between them. The diagram also shows a box for "ITN filmed McLaunt" with an arrow pointing to "News Corp boss near the Aquatics Centre".

Description	A web service carrying out entity extraction from texts by leveraging a large knowledgebase of entity details extracted from various web sources, including Wikipedia, DBPedia and Wikidata.
Maturity Level of the Implementation	Finished application
URL	<p>Unlike RBS and Lloyds TSB, Barclays narrowly avoided having to request a government bailout late in 2008 after it was rescued by £7bn worth of new investment, most of which came from the gulf states of Qatar and Abu Dhabi. Half of the cash was supposed to be coming from Sheikh Mansour.</p> <p>But Barclays has admitted it was told the investor might change shortly before shareholders voted to approve the deal on 24 November 2008.</p> <p>But instead of telling shareholders, the bank remained silent until the change of investor was confirmed a few hours later.</p>

The bank said it subsequently provided "appropriate disclosure" in three prospectuses that were issued the following day.

But the disclosure was buried deep in the small print and said that Sheikh Mansour "has arranged for his investment...to be funded by an Abu Dhabi governmental investment vehicle, which will become the indirect shareholder".

Barclays still used the phrase "his investment", even though it knew Sheikh Mansour was not actually investing in the bank at the time.

The bank continued to mislead shareholders in its annual reports of 2008 and 2009, both of which identified Sheikh Mansour as the investor

Barclays said the mistake in its accounts was "simply a drafting error" and that the information provided in the prospectuses was "entirely appropriate in all the circumstances".

The bank also said: "The shareholders meeting had already taken place and there was therefore no need to issue press releases or additional formal communications to shareholders/other market participants."

Professor Alistair Milne, an expert on financial regulation in the City, said banks are expected to release accurate information about major deals.

"Any discrepancy of that kind is serious because it raises questions in the minds of investors. Every bank is well aware the annual report is a critical document and a huge amount of time and attention is put in to trying to get all the details correct."

The Abu Dhabi government investment vehicle that provided the funding, International Petroleum Investment Company (IPIC), was not mentioned in any Barclays' announcements until six months after the deal.

The chairman of IPIC is Sheikh Mansour. Although the Sheikh did not invest any of his own money in Barclays at the time, a company he controlled was initially issued warrants to buy 758 million shares in the bank.

The warrants gave the owner a valuable option to buy the shares at a fixed price at any point over the following five years.

If Sheikh Mansour profited personally, then Barclays may have breached anti-corruption laws aimed at preventing payments to government officials.

Jeremy Carver, a lawyer for Transparency International, said Barclays may be at fault if government officials benefitted from the deal.

"You have to worry not because Sheikh Mansour may or may

not be doing something wrong, you have to worry because you may be doing something wrong as a bank.

"You may be committing a crime, you may be paying a bribe if you have not got it straight as to which capacity the person you are dealing with is acting."

Barclays issued the warrants to a Jersey company called PCP Gulf Invest 3, which represented the beneficial interests of Sheikh Mansour.

Control of the company was then transferred from the Sheikh to IPIC, then from IPIC to an Abu Dhabi official and then eventually back to Sheikh Mansour.

It is impossible to tell who benefited from the warrants, because all of these transactions took place offshore.

However, the 758 million shares associated with the warrants were bought at significantly below the market price and they now belong to Sheikh Mansour.

Barclays said the change in ownership of the offshore company had no bearing on the transaction or required approvals.

The bank said in a statement that it had "repeatedly demonstrated to Panorama why the allegations which have been put to us are not justified".

"The Board of Barclays took the decision on capital raising in 2008 on the basis of the best interest of shareholder and its other stakeholders, including UK taxpayers," it said.

"Barclays performance relative to other UK banks which accepted government funding, especially on key measures such as lending growth, demonstrates unequivocally that it was the correct decision for Barclays, its shareholders, its customers and clients, as well as the UK."

Neither Sheikh Mansour nor IPIC responded to questions raised by Panorama.

In August last year, the UK's Serious Fraud Office said it had started an investigation into commercial arrangements between the bank and Qatar Holding LLC, part of sovereign wealth fund Qatar Investment Authority.

Unlike RBS and Lloyds TSB, Barclays narrowly avoided having to request a government bailout late in 2008 after it was rescued by £7bn worth of new investment, most of which came from the gulf states of Qatar and Abu Dhabi.

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Developer, maintainer, provider of the application	<i>Information about the developer(s), maintainer(s), and provider of the application</i>
Data required and/or used	<i>Enumeration of the data required and/or used.</i>

Outlook, future potential

*Outlook; evaluation of the future potential of the application.
Indications with regard to the further development, future use
of the application.*

Ideas for Further Applications

Serendipitous Art Exhibition on TV (“Screen Saver”)

I own a Google Chromecast. When my TV is turned on and I'm not watching anything, it shows (by default) a slideshow of random very beautiful images, including ones from major art collections. Serendipitous art exhibition on your TV! Imagine if you could customize such a thing, e.g. when you can ask it to show you a slideshow of heritage in a specific area, or heritage/art images of flowers, or wintery scenes...

[by Sandra Fauconnier via Facebook]

“Art Up Your Tab” based on Wikidata

I have the browser extension Art Up Your Tab installed, and whenever I open a new tab, it shows an artwork rather than an empty window. Really nice! Should be possible to do this with Wikidata too. <http://www.art-tab.eu/>

[by Sandra Fauconnier via Facebook]

Tweetbot Sending Heritage Images that are of Relevance on a Specific Day

A Twitter bot that tweets heritage images relevant to today's day. Saints celebrated today, famous people born and died today; today is World Teachers' Day...

[by Sandra Fauconnier via Facebook]

Monumental Plus

The app could be ported to other areas (eg. museums, cultural venues, fountains, sports stadiums, you name it...) or even be taken to another abstraction level, where users could create such apps by customizing the main app.

[by Beat Estermann]

Performing Arts Explorer

We need something like [Crotos](#), but for the Performing Arts, where we can visualize cultural venues, cultural events, the works performed, the performers, etc. – all with timelines and maps. Ideally, it would also provide some overviews regarding data completeness. In this way, the tool would be an ideal complement to the [Wikidata-Project Performing Arts](#). Look at [Operabase](#) and similar platforms for inspiration.

[by Beat Estermann]

Genealogy Wiki Improved

We need an app that creates nice genealogical trees based on Wikidata entries that work well for people with more numerous relations (think of it as an improved version of [Genea Wiki](#)).

[by Beat Estermann]

Semantic Search Engine for GLAM institutions

GLAM catalogs are offering a broad range of metadata. Classic research is based on formal information (creator, date, media type) or handles with subjects (keywords, classification).

Using Wikidata users are able to create semantic queries and can build an individual search query for the local GLAM-catalog based on many data properties stored in Wikidata

(Authority files, name strings). For detailed explanation read the article [Semantische Suchabfragen mit der Linked Open Data Cloud generieren](#) (German only)

[by Christian Erlinger]