Using Wikidata integration on the Wikimedia projects to enhance GLAM-WIKI content sharing

Mike Peel & João Alexandre Peschanski
Wiki Movimento Brasil
(MP is also WMF Board of Trustees, but not wearing that hat for this presentation!)

Gonzalo Saavedra

GLAM conundrum

Releasing media content from GLAM on Commons has been really successful and important over many years.

However, **it's important it doesn't only exist on Commons in a vacuum.**

Instead it must be integrated into the rest of the Wikimedia projects so that it is visible and widely used.

GLAM methodology

Institutional outreach and validation

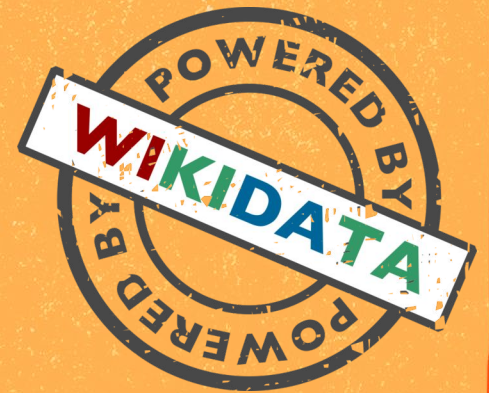Legal analysis and copyright guidelines
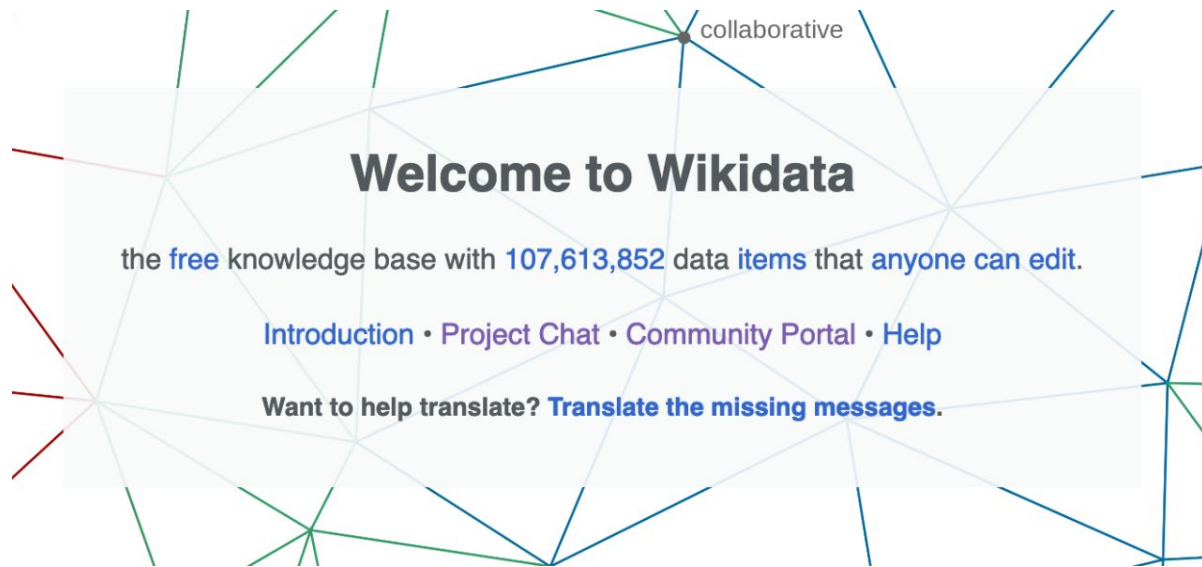
Digitization and upload pipeline

Content use initiatives and metrics

Through Wikidata, content that GLAMs share can **automatically be reused** and made **visible** across many projects in **many languages**

POWERED BY

WIKIDATA

POWERED BY

Wikidata is an open collaborative knowledge base

It is a fast-growing Wikimedia project, especially relevant for academic and cultural contributions

collaborative

Welcome to Wikidata

the free knowledge base with 107,613,852 data items that anyone can edit.

Introduction • Project Chat • Community Portal • Help

Want to help translate? Translate the missing messages.

(# of items will already be out-of-date!)

GLAM Wiki 2023 (Q118978159) ···

QIDs

Item Discussion

No description defined
GLAM Wiki Conference 2023

Labels

▾ In more languages

Language	Label	Description	Also known as
English	GLAM Wiki 2023	No description defined	GLAM Wiki Conference 2023
Spanish	Conferencia GLAM Wiki 2023	No description defined	GLAM Wiki Conference 2023 GLAM Wiki 2023
French	GLAM Wiki Conference 2023	No description defined	
Portuguese	No label defined	No description defined	

All entered languages

Statements

Linked values

| instance of | ⇕ Wikimedia conference ··· | ⌕▾ 0 references | ✏ + |
| logo image | ⇕ [GLAM logo image] | ⌕▾ 0 references | ✏ |

Properties

Media

GLAMWCPerfil02.png
1,800 × 1,800; 1.3 MB

Wikipedia (0 entries) ✏

Wikibooks (0 entries) ✏

Wikinews (0 entries) ✏

Wikiquote (0 entries) ✏

Wikisource (0 entries) ✏

Wikiversity (0 entries) ✏

Wikivoyage (0 entries) ✏

Wiktionary (0 entries) ✏

Interwikis

Multilingual sites (2 entries) ✏ [move] ⌃
commons Category:GLAM Wiki Conference 2023
meta GLAM Wiki 2023

The growth capacity of the Wikimedia movement is directly related to its capacity of sharing common values across stakeholders.

Alves et al, *The Technical Infrastructure of Cultural Initiatives on Wikimedia, 2022*
ESSACHESS (PDF available online)

GLAM WIKI
CONFERENCE 2023

Wikidata Infobox on Wikimedia Commons

Facultad de Información y Comunicación (Universidad de la República) [Collapse]

Faculty of Uruguay

◉ image ○ logo image
○ Show all

Upload media ⬈

Instance of	faculty (University of the Republic)
Part of	University of the Republic
Location	Montevideo, Montevideo Department, Uruguay
Headquarters location	Edificio del Asilo Larrañaga
	official website ⬈

Authority file [Collapse]

▮▮▮▮ Q16911653

Reasonator ⬈ · Scholia ⬈ · Wikidocumentaries ⬈ · PetScan ⬈ · statistics ⬈ · WikiMap ⬈ · Locator tool ⬈ · KML file ⬈ · Search depicted

✎

- Started in 2018, bot-deployed in 4.7 million Commons categories!

- Small infobox to add context for category contents, without hiding category contents

- Using Wikidata information only (no local definitions) - completely multilingual
  code: {{Wikidata Infobox}}

- Images on Wikidata shown alongside Commons category - are best images selected? (+ night image, map, …?)

- Authority control at the bottom (none for FIC - please improve it!)

- Continuous development with community input and suggestions

South Pole Telescope [Hide]

telescope at the South Pole

The South Pole Telescope in November 2009

Upload media
Wikipedia

Instance of	Gregorian telescope, radio telescope, cosmic microwave background experiment
Part of	Amundsen–Scott South Pole Station, Event Horizon Telescope
Named after	South Pole
Location	South Pole, Antarctic Treaty area
Service entry	16 February 2007
Significant event	construction (2006–2007)
Mass	280 t
Diameter	10 m (primary mirror), 1 m (secondary mirror)
Angular resolution	1 ′
Area	78.5 m²
Elevation above sea level	2.8 km
Replaces	Antarctic Submillimeter Telescope and Remote Observatory

official website

2 km — Wikimedia maps · I Data...
89° 59′ 22″ S, 45° 00′ 00″ W

Authority control [Hide]
Q1513315

Reasonator · PetScan · Scholia · Statistics · OpenStreetMap · Locator tool · WikiShootMe · Search depicted

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Гігантський український радіотелескоп [сховати]

Низькочастотний радіотелескоп, що будується і застосовується для досліджень в РІ НАНУ (Україна)

GIRT

Завантажити медіафайл
Вікіпедія

Є одним із	радіотелескоп, Фазована антенна решітка
Місце розташування	Харківська область, Україна
Оператор	Радіоастрономічний інститут НАН України
Складники	УТР-2

300 m — Карти Вікімедіа · І Карт...
49° 38′ 10″ пн. ш., 36° 56′ 29″ сх. д.

Нормативний контроль [сховати]
Q12098684

Reasonator · PetScan · Scholia · Статистика · OpenStreetMap · Locator tool · WikiShootMe · Шукати зображене

Giant Ukrainian Radio Telescope

Lydia Pintscher [ausblenden]

deutsche Informatikerin

Lydia Pintscher in 2015

Medium hochladen

Geburtsdatum	20. Juli 1984
Land der Staatsangehörigkeit	Deutschland
Besuchte Bildungseinrichtung	Karlsruher Institut für Technologie (Diplom, Informatik, 2003–2011)
Tätigkeit	Produktmanager (Wikidata), Informatiker, Wikimedianer, Forscher
Arbeitgeber	Wikimedia Deutschland
Mitglied von	KDE
Arbeitsgebiet	Wikidata
Muttersprache	Deutsch
Auszeichnung	Akademy Award - Best Non-Application Contribution (2012)

Offizielle Website

Normdatei [ausblenden]
Q18016466
VIAF-Kennung: 308186519
BnF-Kennung: 16755328n
IdRef-Normdatenkennung: 193899159
IMDb-ID: nm9478669
ORCID-Kennung: 0000-0002-3939-2115
GitHub-Benutzername: lydiapintscher

Reasonator · PetScan · Scholia · Statistik · OpenStreetMap · Locator tool · Nach diesem Motiv suchen

---

グランドバード [非表示]

2019年当時のグランドバード

メディアをアップロード

分類	電波望遠鏡, 宇宙マイクロ波背景放射観測実験
以下の一部分	テイデ天文台
場所	テネリフェ島, 大西洋
直径	30 cm
周波数	145 GHz, 220 GHz
角度分解能	0.5 ° (150 GHz), 0.3 ° (220 GHz)
標高	2,400 m

300 m — Wikimedia maps · I Map data ©...
28° 18′ 01.5″ 北, 16° 30′ 37″ 西
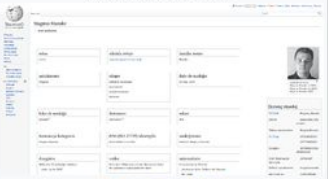
典拠管理 [非表示]
Q57337386

Reasonator · PetScan · Scholia · 統計学 · Statistik · OpenStreetMap · Locator tool · オープンストリートマップ · Locator tool · WikiShootMe · 検索 題材

Extension:ArticlePlaceholder [Hide]

MediaWiki extension to create automatic article placeholders

Upload media

| Instance of | MediaWiki extension, free software |
| Main subject | Wikidata based stubs and summaries |

Authority control [Hide]
Q21676433

Reasonator · PetScan · Scholia · Statistics · OpenStreetMap · Locator tool · Search depicted

[Hide]

NO WIKIDATA ID FOUND!

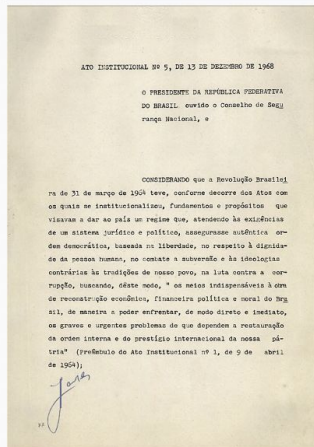Search for Ukrainian Wikiversity on Wikidata

Create new Wikidata item

Upload media

(when no Wikidata is sitelinked)

Wikipedia Infoboxes

Ato Institucional Número Cinco

ATO INSTITUCIONAL Nº 5, DE 13 DE DEZEMBRO DE 1968

O PRESIDENTE DA REPÚBLICA FEDERATIVA
DO BRASIL ouvido o Conselho de Segu
rança Nacional, e

CONSIDERANDO que a Revolução Brasilei
ra de 31 de março de 1964 teve, conforme decorre dos Atos com
os quais se institucionalizou, fundamentos e propósitos que
visavam a dar ao país um regime que, atendendo às exigências
de um sistema jurídico e político, assegurasse autêntica or-
dem democrática, baseada na liberdade, no respeito à dignida-
de da pessoa humana, no combate a subversão e às ideologias
contrárias às tradições de nosso povo, na luta contra a cor-
rupção, buscando, dêste modo, " os meios indispensáveis à obra
de reconstrução econômica, financeira política e moral do Bra
sil, de maneira a poder enfrentar, de modo direto e imediato,
os graves e urgentes problemas de que dependem a restauração
da ordem interna e do prestígio internacional da nossa   pá-
tria" (Preâmbulo do Ato Institucional nº 1, de 9 de   abril
de 1964);

Data	13 de dezembro de 1968
Local de assinatura	Brasília
País	Brasil
Tipo de documento	Atos Institucionais
Número de páginas	9

Signatários [Esconder]

Costa e Silva
Luís Antônio da Gama e Silva
Augusto Rademaker
Aurélio de Lira Tavares
Magalhães Pinto
Antônio Delfim Netto
Mário Andreazza
Ivo Arzua Pereira
Tarso Dutra
Jarbas Passarinho
Márcio de Sousa Melo
Leonel Tavares Miranda de Albuquerque
José Costa Cavalcanti
Edmundo de Macedo Soares e Silva
Hélio Beltrão
Afonso Augusto de Albuquerque Lima
Carlos Furtado de Simas

Arquivo digitalizado no Wikimedia Commons

Arquivo transcrito no Wikisource

Ato Institucional n.º 4	Ato Institucional n.º 6
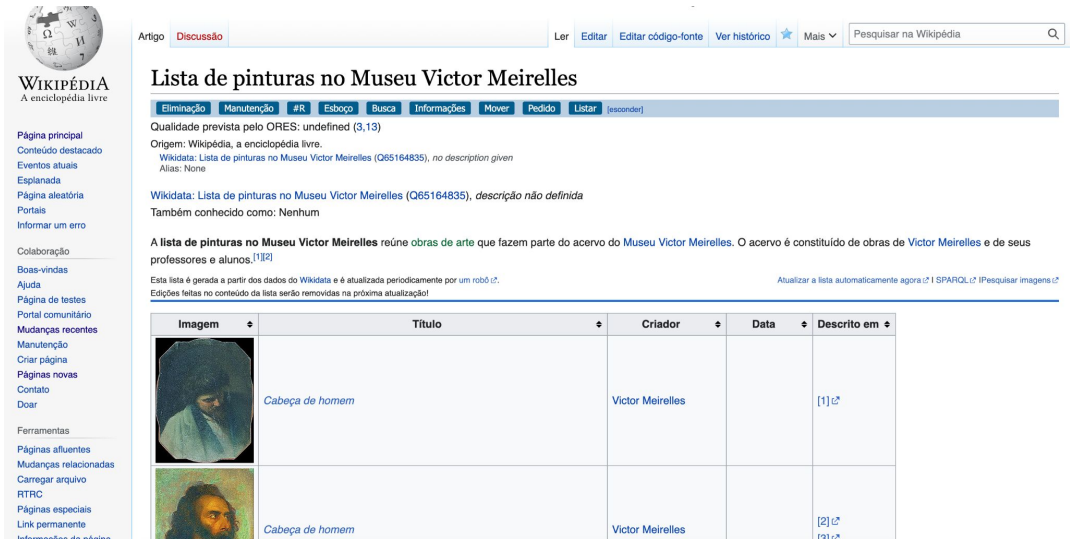
[edite no Wikidata]

- More complicated on Wikipedias

- Many different infoboxes covering different topics, different layouts etc.

- Consensus varies between Wikipedias (wide deployment on Catalan, tricky on English, others mixed).

- Some Wikipedias require referenced Wikidata information only (please add your references!)

- Automatically update when content is added to Wikidata. Add a picture on Wikidata -> it immediately appears in infoboxes across many languages.

- Improves cross-Wikimedia integration.

GLAM WIKI
CONFERENCE 2023

Wikidata-powered lists on Wikipedia (and other projects)

- Can quickly create lists using Wikidata information, based on Wikidata queries, that are transposed on (some) mainspace Wikipedias

- Whatever you can fetch using a Wikidata query, you can turn into a list (Listeriabot)

- As Wikidata updates, so does the list

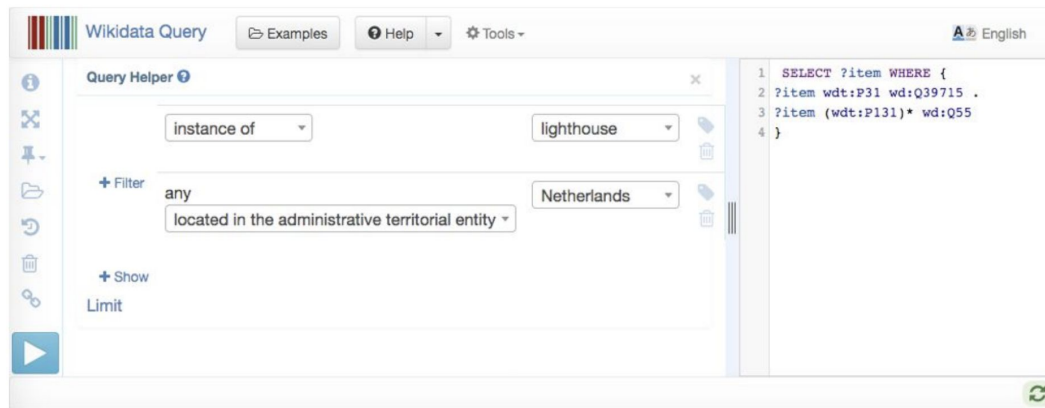- Works across different languages using the same dataset

Wikidata queries

- SPARQL querying is powerful, but writing them in the right format can be tricky
  - [Wikidata:Request_a_query](#) can help!
- Only Wikidata content: can't edit the lists locally, and local changes will be lost
- Querying is powerful in general for GLAMs to identify and visualize trends in their collections (web semantics)

query.wikidata.org

Cite Q for automatically generated citations

- Currently millions of Wikidata items for journal articles - part of Wikicite

- Can use this information to build structured references using Wikidata QID

- Can be used in any language!

- Automatically link to DOIs, author names, etc.

- Can auto-update all,
  e.g., preprint -> publication,
  or if a paper is withdrawn/replaced

`<ref>{{Cite journal|author = J. E. Carlstrom|title = The 10 Meter South Pole Telescope |journal = Publications of the Astronomical Society of the Pacific |volume = 123 |issue = 903 |pages = 568–581 |arxiv = 0907.4445 |display-authors=etal|year = 2011 |doi = 10.1086/659879 |bibcode=2011PASP..123..568C}}</ref>`

`<ref>{{Cite Q|Q56603073}}</ref>`

^ _a b_ J. E. Carlstrom; P. A. R. Ade; K. A. Aird; et al. (May 2011). "The 10 Meter South Pole Telescope". *Publications of the Astronomical Society of the Pacific*. **123** (903): 568–581. arXiv:0907.4445 ⊋. Bibcode:2011PASP..123..568C ↗. doi:10.1086/659879 ↗. ISSN 0004-6280 ↗. Wikidata Q56603073.

Structured Data on Commons

- Wikimedia Commons also has structured data

- Defined for each file, includes caption & properties

- Stores information about copyright, camera, location, depicts, etc.

- Used by file page templates, e.g., {{Art Photo}}

- Queryable at https://commons-query.wikimedia.org/ (but need to be logged in)

Summary

Object

	Gautan Pal: Mahatma Gandhi ▌▐▐ ▸ ◦
Artist	Gautan Pal ▌▐▐ ▸ ✎
Title	*Mahatma Gandhi*
Object type	monument / statue ✎
Description	**Português:** São Paulo, Brazil
Medium	granite and bronze ✎
Object location	🌐 23° 34′ 52.3″ S, 46° 39′ 24.2″ W ✎ ✎ 🗺	View this and other nearby images on: OpenStreetMap ↗
References	http://geosampa.prefeitura.sp.gov.br/PaginasPublicas/_SBC.aspx ↗ ✎

Photograph

Date	3 June 2018, 12:55:03
Source	Own work
Author	Photograph by Mike Peel (www.mikepeel.net ↗).
Permission	CC-BY-SA-4.0. Please attribute as per the author line above.
(Reusing this file)	

File information | **Structured data**

Items portrayed in this file	Edit
depicts	
🔍 Search to add items	from Wikidata ···
Mahatma Gandhi statue	Mark as prominent

creator	Edit
some value	Mark as prominent
— object has role: photographer	
— author name string: Mike Peel	
— Wikimedia username: Mike Peel	
— URL: http://commons.wikimedia.org/wiki/User:Mike_Peel	

copyright status	Edit
copyrighted	Mark as prominent

copyright license	Edit
Creative Commons Attribution-ShareAlike 4.0 International	Mark as prominent

Wikidata holds many exciting possibilities, and opens the door for a variety of new research opportunities and potential applications across all areas of sciences, technology and cultures.

Evenstein, Nachmias, *Investigating the potential of the semantic web for education: Exploring Wikidata as a learning platform*, 2023
Education and Information Technologies (PDF available online)

GLAM WIKI CONFERENCE 2023

Education and Information Technologies (2023) 28:12565–12614
https://doi.org/10.1007/s10639-023-11664-1

Check for updates

Investigating the potential of the semantic web for education: Exploring Wikidata as a learning platform

Shani Evenstein Sigalov[1] · Rafi Nachmias[1]

Received: 7 March 2022 / Accepted: 7 February 2023 / Published online: 13 March 2023
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Wikidata-based semantic WikiBook

- Information contributed to Wikidata is extracted using queries and added into templates that generate a WikiBook

- A collaborative catalogue, a portal that structures and integrates apps and tools in which contributions happen more easily; it also connects related content

An ecosystem of Wikidata apps

- Wikidata-powered apps are a user-friendly solution for crowdsourcing cataloguing and content structuring

- Apps can be designed to answer specific institution questions, support cataloguing gaps and support public engagement with collections

Wikidata Image Positions   Documentation   Wikimedia Toolforge   Source code

São Paulo - Jardim da Luz I

Guilherme Gaensly - São Paulo - Jardim da Luz I USP.jpg

Image scale:

Depicted with no region specified:
- Jardim da Luz [add region]
- ser humano [add region]
- árvore [add region]

Add more statements:

Wikidata Art Depiction Explorer

São Paulo - Jardim da Luz I (Q49900900)

Label from: French (fr) English (en) Spanish (es) Portuguese (pt)

[view on Wikidata] [skip this artwork]
[browse artworks]

artist: Guilherme Gaensly (Q3119562)
collection: Museu Paulista collection (Q56677470)
Postcards Collection (Q89302278) Museu Paulista collection (Q56677470)
location: Museu Paulista (Q371803)
country of origin: Brazil (Q155)
material used: collotype technique (Q1572315)
depicts: Jardim da Luz (Q3028205) human (Q5) tree (Q10884)
instance of: postcard (Q192425) printing (Q11034) collotype technique (Q1572315)
Google Arts & Culture asset ID: _gEBO_BwSdyKXA
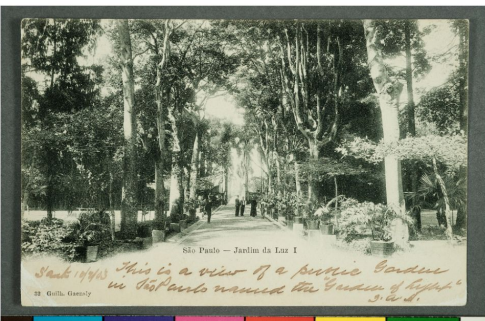
this artwork has 3 existing depicts statement
Jardim da Luz (Q3028205) — 4 artworks

human (Q5) common name of Homo sapiens, unique extant species of the genus Homo — 492 artworks

tree (Q10884) perennial woody plant — 6054 artworks

Left screen

WIKI MUSEU DO IPIRANGA | How many?

Obra	São Paulo - Jardim da Luz I
Criador(a)	Guilherme Gaensly
Data	1903
Instância de	collotype technique; printing; postcard
Materiais utilizados	collotype technique

Quantos itens de cada descritor você vê?

Jardim da Luz: park in São Paulo

human: any member of Homo sapiens, unique extant species of the genus Homo, from embryo to adult

tree: perennial woody plant

CONFIRMAR   PULAR   INÍCIO

Veja essa imagem no Wikimedia Commons

Wiki Museu do Ipiranga - Quantos tem? é um aplicativo desenvolvido no contexto do *Projeto Novo Museu do Ipiranga*, organizado pelo Grupo de Usuários Wiki Movimento Brasil e o Museu do Ipiranga, em parceria com a Fundação Banco do Brasil e com realização da Universidade de São Paulo e da Fundação de Apoio à Universidade de São Paulo.

Right screen

WIKI MUSEU DO IPIRANGA | Com que roupa eu vou?

Faça a sua autenticação clicando no botão 'Autenticar-se' no canto superior direito

Obra	Retrato de Martim Francisco Ribeiro de Andrada
Instância de	pintura
Data	1925
Criador(a)	Oscar Pereira da Silva
Material	tinta a óleo
Versão audível	▶ 0:00 / 0:46 🔊 ⋮

Veja essa imagem no Wikimedia Commons

Adicione elementos descritivos às pessoas retratadas

homem

Veste

Usa

GLAM WIKI CONFERENCE 2023

Bibliometric and scientific impact dashboard

- Scholarly-related content (publications, author information) can be transformed into dashboards for easy visualization and trends

- Strongly connected to open-science values and practices

- Dashboards can be adapted to fit specific data requests, creating an institutional profile

- https://scholia.toolforge.org/

Antonio Galves (Q17489997)

Jefferson Antonio Galves was a Brazilian mathematician, professor of the Institute of Mathematics and Statistics of the University of São Paulo (USP) and member of the Brazilian Academy of Sciences. His field of studies was related to statistical models, in particular models that have stochasticity and variable range of memory. Galves was also the leader of NeuroMat, a research center established in 2013 at USP that is dedicated to integrating mathematical modeling and theoretical neuroscience. (Read more on English Wikipedia)

https://orcid.org/0000-0001-8757-715X

Table of Contents
- List of publications
  - Number of publications per year
  - Number of pages per year
- Topics
  - Topic scores
  - Topics of authored works
  - Topics-works matrix
- Use
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- Review statistics
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- Co-author map
- Other locations
- Timeline
- Academic tree
- Citation statistics
  - Most cited works
  - Citations by year
  - Citing authors
- Associated images
- Events
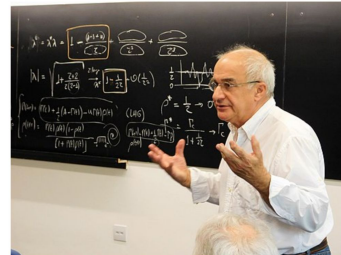
NeuroMat (Q18477654)

The Research, Innovation, and Dissemination Center for Neuromathematics is a Brazilian research center established in 2013 at the University of São Paulo that is dedicated to integrating mathematical modeling and theoretical neuroscience. Among the core missions of NeuroMat are the creation of a new mathematical system to understanding neural data and the development of neuroscientific open-source computational tools, keeping an active role under the context of open knowledge, open science and scientific dissemination. The research center is headed by Antonio Galves, from USP's Institute of Mathematics and Statistics, and is funded by the São Paulo Research Foundation (FAPESP). As of 2019, the co-principal investigators are Oswaldo Baffa Filho (USP), Pablo A. Ferrari (USP/UBA), Fernando da Paixão (UNICAMP), Antonio Carlos Roque (USP), Jorge Stolfi (UNICAMP), and Cláudia D. Vargas (UFRJ). Ernst W. Hamburger (USP) was the former director of scientific dissemination. NeuroMat's International Advisory Board consists of David R. Brillinger, Leonardo G. Cohen (NIH), Markus Diesmann (Jülich), Francesco Guerra, Wojciech Szpankowski (Purdue). (Read more on English Wikipedia)
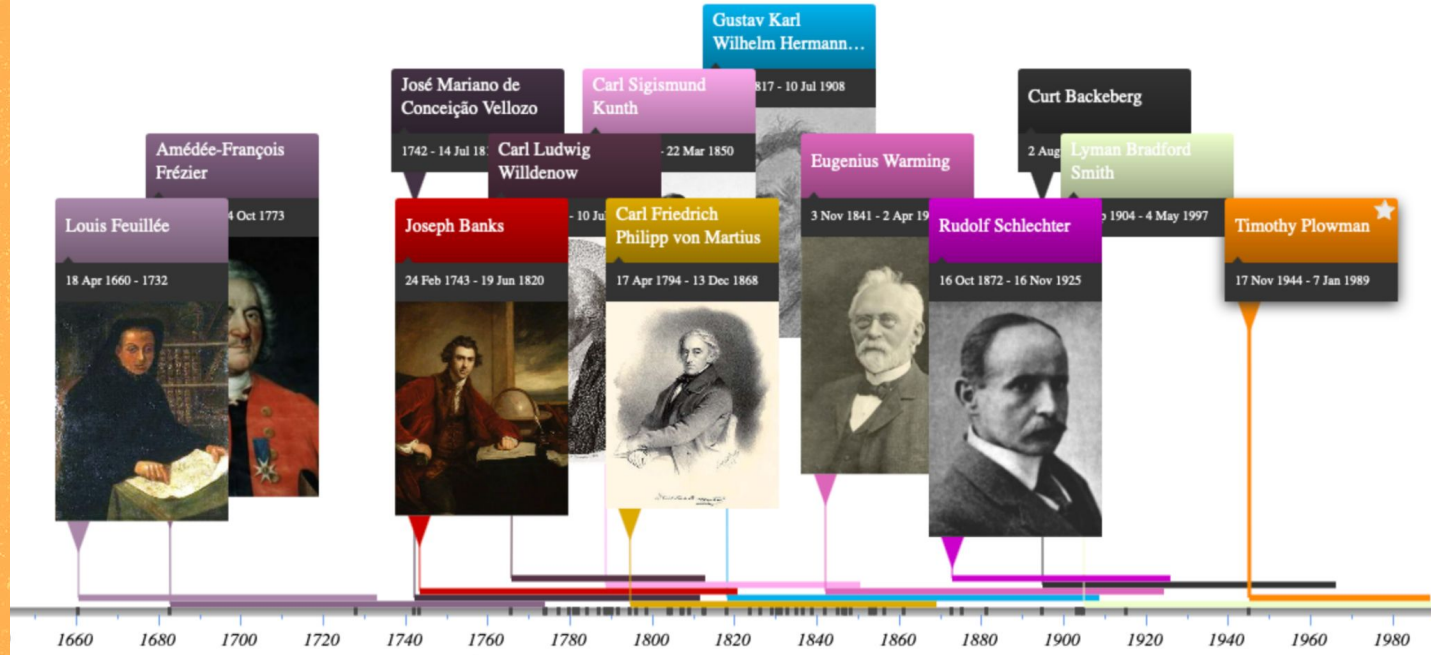
http://neuromat.numec.prp.usp.br/

Table of Contents
- Employees and affiliated
- Co-author graph
- Advisor graph
- Topics that employees and affiliates have published on
- Recent publications
- Uses
- Page production
- Citations
  - Recent citations
  - Most cited papers with affiliated first author
  - Co-author-normalized citations per year
- Awards
- Gender distribution

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Histropedia

- Interactive timelines of nearly everything!

- Wikidata back-end, interactive display

- http://histropedia.com, example: http://histropedia.com/timeline/41trtpg9bq0t/Botanists-active-in-South-America
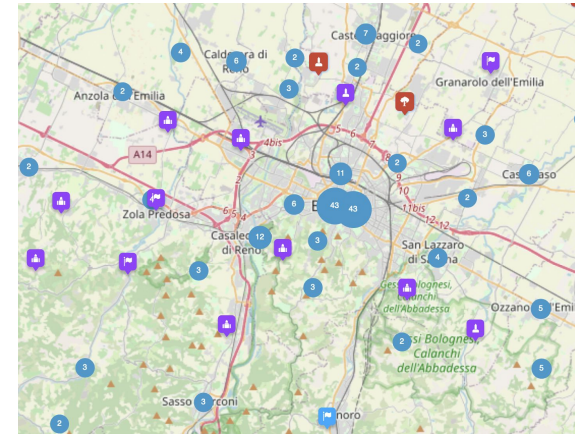
Wiki Loves Monuments

- Monuments database is now on Wikidata
- Easy to expand with new monuments, bringing lists e.g., from different municipalities, together for the first time
- Automatic monument lists & maps, etc.
- Using {{MonumentID}} on Commons - can discover uploads with no image on Wikidata
- Wikidata connection leads to more diverse contributions and image uses; possibly the largest cultural heritage repository ever made
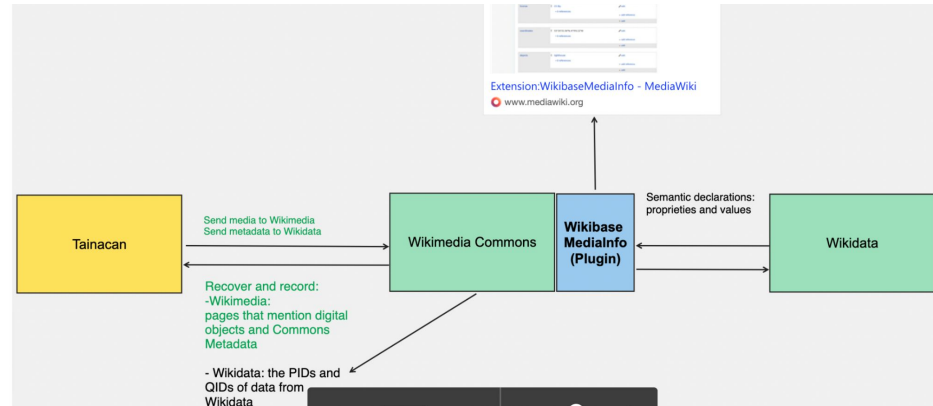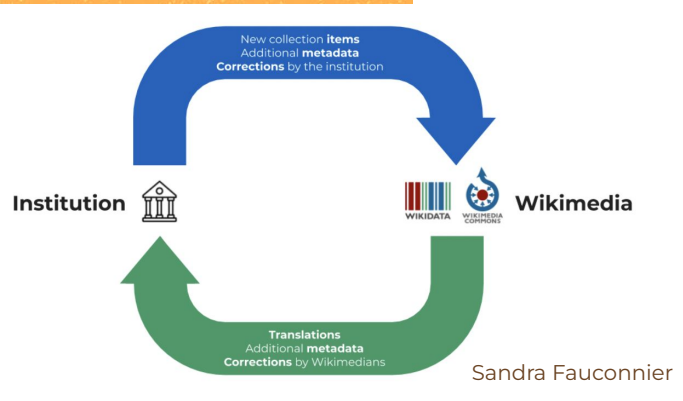
Roundtripping online repositories and Wikidata

(Info from Dalton Martins / IBRAM)

- Wikidata can be integrated into online GLAM repositories (i.e, Tainacan in Brasil) in a federated data circuit

- We are facing four main challenges for the development of the circuit ([FAPESP 21/06767-8](#)):

  - Data reconciliation

  - Workflow for publishing data (creating items and uploading images via Tainacan)

  - Monitoring workflow and contributions

  - Monitoring data reuse (indicators, metrics)

New collection **items**
Additional **metadata**
Corrections by the institution

Institution

Wikimedia

Translations
Additional **metadata**
Corrections by Wikimedians

Sandra Fauconnier

Extension:WikibaseMediaInfo - MediaWiki
www.mediawiki.org

| Tainacan | Wikimedia Commons | Wikibase MediaInfo (Plugin) | Wikidata |

Send media to Wikimedia
Send metadata to Wikidata

Semantic declarations: proprieties and values

Recover and record:
-Wikimedia:
pages that mention digital objects and Commons Metadata

- Wikidata: the PIDs and QIDs of data from Wikidata

Wikidata Labs

- Regular labs focused on different Wikidata topics (much more detail than covered here!)

- Initial presentation + afternoon workshop

- 38 so far, in either Portuguese or English: https://www.wikidata.org/wiki/Wikidata:Wikidata_Labs (including recordings!)

- 39th on Tuesday 21st November, hybrid (São Paulo/online) on the Wikimedia ecosystem: https://w.wiki/85J$

WIKIDATA LAB XXXIX

STRUCTURING THE WIKIMEDIA ECOSYSTEM

This training aims to share resources and capabilities for the integration of Wikidata with other Wikimedia projects.

In this event, part of the Wikidata Labs series, there will be a presentation and a series of practical activities and discussions on structuring the Wikimedia ecosystem.

The event is aimed at training the community of editors of Wikimedia projects. The training coordination will be carried out by the wikimedian Mike Peel, in English.

The event will be in-person. Please, if you are interested in participating in the event, register on the registration page. There is no registration fee. Limited places.

Organization

WMB Grupo de usuários
Wiki Movimento Brasil

NeuroMat

Event website
w.wiki/85J$

Support

FAPESP

Local: CEPID NeuroMat - Av. Prof. Luciano Gualberto, 1171, USP - Cidade Universitária, Numec/IME building.
Date: November 21, 2023 (Tuesday) at 13h UTC.

WIKIDATA LAB XXXIX: ESTRUTURANDO O ECOSSISTEMA WIKIMEDIA

21/11, terça - 10h
EVENTO PRESENCIAL | SÃO PAULO

VAGAS LIMITADAS!
INSCREVA-SE:
https://w.wiki/85J$

Getting content into Wikidata

In general:

- QuickStatements (CSV-like import) - https://www.wikidata.org/wiki/Help:QuickStatements
- Pywikibot (Python library) - https://www.mediawiki.org/wiki/Manual:Pywikibot
- OpenRefine (see other talks about this!)

For journals:

- Zotero to export to QuickStatements format, then import to Wikidata (See https://w.wiki/pi2) - https://www.wikidata.org/wiki/Wikidata:Zotero
- Import using SourceMD using PMID or DOI (use the old version; not ISBN or ORCID at the moment) https://www.wikidata.org/wiki/Wikidata:SourceMD

Getting content into Wikidata - gamification

Can also 'gamify' adding info to Wikidata, see:
https://wikidata-game.toolforge.org/distributed/

Latin America in Wikidata Contest 2023 - GLAM

In the 2023 edition of the Latin America in Wikidata contest, we invite you to contribute to Wikidata by improving content related to cultural heritage in Latin America.

There are two game modes. In this case, you will have to complete the days in which the heritage institutions are open to the public.

If you know the correct answer but it does not appear among the options, you can touch the name of the institution to go to the element in Wikidata and edit this property manually. The manual editions in the account for the contest but are a great contribution.

The contest is from November 14, 2023 at 00:01 UTC on December 14, 2023 at 23:59 UTC, until the items are closed available. It arises from the collaboration between Wikimedia Argentina, Wikimedistas de Bolivia, Wikimedia Chile, Wikimedia Colombia, Wikimedia Mexico, Wikimedistas de Uruguay and Wikimedia Venezuela.

Duas Rodas Museum [Q56694402]

Museu Duas Rodas

`Auto`

Museum

Sitio web oficial

http://www.museuduasrodas.com.br

| lunes a jueves | lunes a viernes | lunes a sábado | viernes | sábado | domingo | lunes | martes a viernes |

| martes a domingo | sábado y domingo | Siguiente | Ninguna opción es la correcta |

Getting content out of Wikidata

On-wiki:

- Lua Scribunto interface
  - https://www.mediawiki.org/wiki/Extension:Wikibase_Client/Lua
- Can access directly in Lua codes, or in templates
  - {{#statements:P1476|from=Q191380}} will display "Notre-Dame de Paris"
- Module:WikidataIB - flexible Wikidata module

Off-wiki:

- API: https://www.mediawiki.org/wiki/API:Main_page
- Wikidata Query Service: https://www.wikidata.org/wiki/Wikidata:SPARQL_query_service
- Pywikibot (Python library) - https://www.mediawiki.org/wiki/Manual:Pywikibot
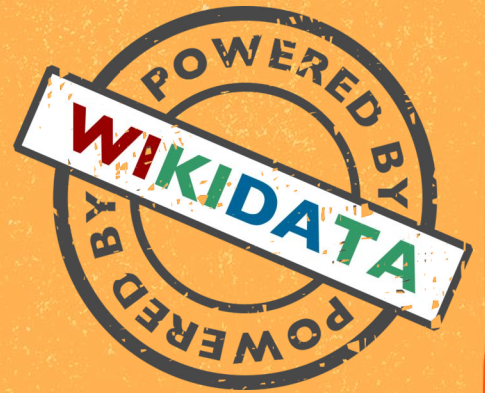
What we still need

- Better Wikidata-Wikimedia integration that is easier for more people to use

- Wikidata metrics - usage, quantifying improvements by activities

- More training opportunities to share Wikidata knowledge and how-to

- More scholarly publications - when you do something cool with Wikidata, publish about it and share best-practices with others!

- Conversations around GLAM and Wikidata ethos, for example, around decolonisation data modeling ([Indigenous Artists and Wikidata](#))

Questions? And, what are we missing? What are possible **future opportunities** for Wikidata integration?

POWERED BY WIKIDATA

Thank You :-)