

Wikidata as a Linked Data Platform

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2019-03-06



What we'll cover

- Quick intro to Wikidata
- Selected GLAM Wikidata activity
- Plans at UNC Chapel Hill Libraries

What is Wikidata?

*Wikidata is a **free and open knowledge base that can be read and edited by both humans and machines**. Wikidata acts as **central storage for the structured data** of its Wikimedia sister projects including Wikipedia, Wikivoyage, Wikisource, and others.*

*Wikidata also provides support to many other sites and services beyond just Wikimedia projects! The content of Wikidata is **available under a free license, exported using standard formats, and can be interlinked to other open data sets on the linked data web**. --[Wikidata home page](#)*

See also: [Wikidata introduction](#)

What about Wikibase?

Wikibase is the software application under Wikidata.

Wikipedia	<-	MediaWiki	->	UNC Libraries Staff Wiki
Wikidata	<-	Wikibase	->	(UNC Libraries Linked Data portal?)

Linked data lightning refresher

Classic linked data concept: TRIPLES

Subject	Predicate	Object
owi: 297853	rdaw: P10256	lcsh: sh2008107935
Where the wild things are	has subject	Monsters–Fiction

The Wikidata version: STATEMENTS or CLAIMS

Item	Property	Value
Q13912	P921	Q276453
Where the wild things are	main subject	monster

Items and Labels

Items are the things/concepts described.

Anyone can create an item.

Where the Wild Things Are (Q13912)

1963 children's picture book by Maurice Sendak

 [edit](#)

▼ [In more languages](#)

Language	Label	Description	Also known as
English	Where the Wild Things Are	1963 children's picture book by Maurice Sendak	
French	Max et les Maximonstres	livre pour enfants de Maurice Sendak	

Multilingual

- Because I have my primary language set as English I see that as main label.
- Because I have French set as another language, I see that in my interface.

Very multilingual!


Language	Label	Description	Also known as	
English	Where the Wild Things Are	1963 children's picture book by Maurice Sendak		
French	Max et les Maximonstres	livre pour enfants de Maurice Sendak		
Arabic	No label defined	كتاب من تأليف موريس سينداك		
Bulgarian	Където бродят дивите неща	No description defined		
Catalan	Allà on viuen els monstres	No description defined		
Danish	Villy Vilddyr	No description defined		
German	Wo die wilden Kerle wohnen	Bilderbuch von Maurice Sendak, 1963	Where the Wild Things Are	
Canadian English	Where the Wild Things Are	No description defined		
British English	Where the Wild Things Are	No description defined		
Esperanto	Where the Wild Things Are	No description defined		
Spanish	Donde viven los monstruos	libro infantil de Maurice Sendak		
Persian	جایی که وحشی‌ها هستند	No description defined		
Finnish	Hassut hurjat hirviöt	No description defined		
Hebrew	ארץ יצורי הפרא	ספר מאת מוריס סנדק		
Italian	Nel paese dei mostri selvaggi	romanzo per ragazzi, scritto da Maurice		

		Sendak
Japanese	かいじゅうたちのいるところ	No description defined
Georgian	სადაც ურჩხულები ცხოვრობენ	No description defined
Korean	괴물들이 사는 나라	No description defined
Kyrgyz	Жапай заттар жашаган жер	No description defined
Norwegian Bokmål	Til huttetuenes land	No description defined
Dutch	Max en de Maximonsters	boek van Maurice Sendak
Polish	Where the Wild Things Are	No description defined
Portuguese	Where the Wild Things Are	No description defined

Description

Where the Wild Things Are (Q13912)

1963 children's picture book by Maurice Sendak

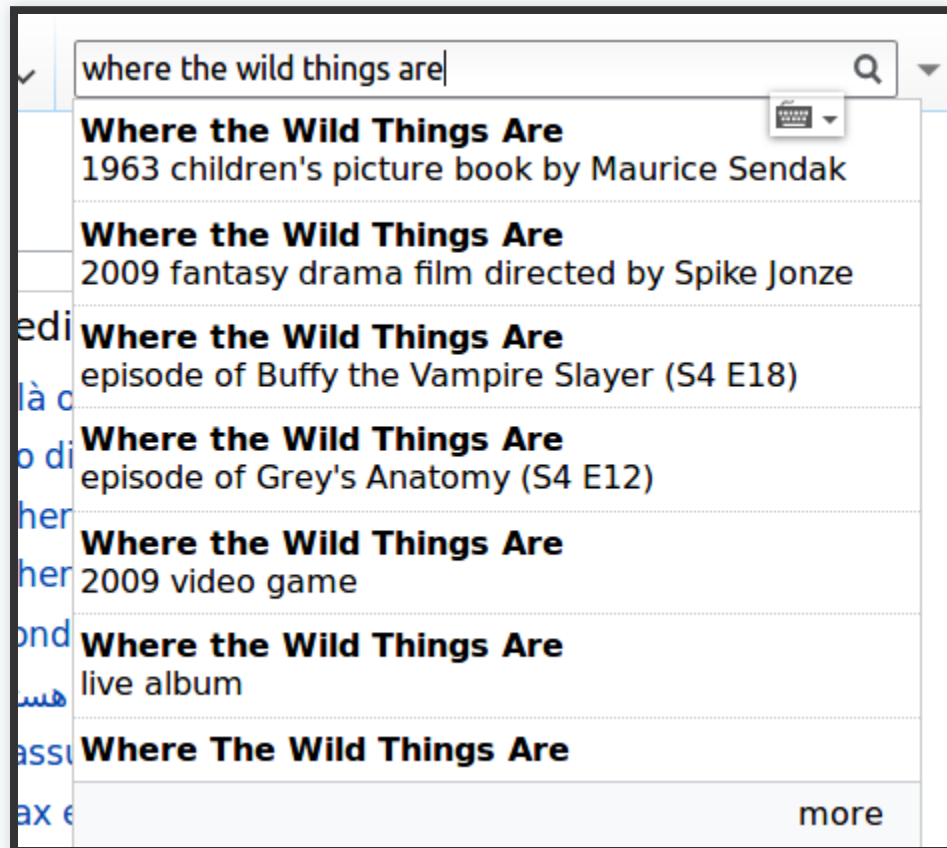
 [edit](#)

▼ In more languages

Language	Label	Description	Also known as
English	Where the Wild Things Are	1963 children's picture book by Maurice Sendak	
French	Max et les Maximonstres	livre pour enfants de Maurice Sendak	

[All entered languages](#)

Use of description

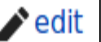


Alias

Greek deity (Q22989102)

No description defined

Greek god

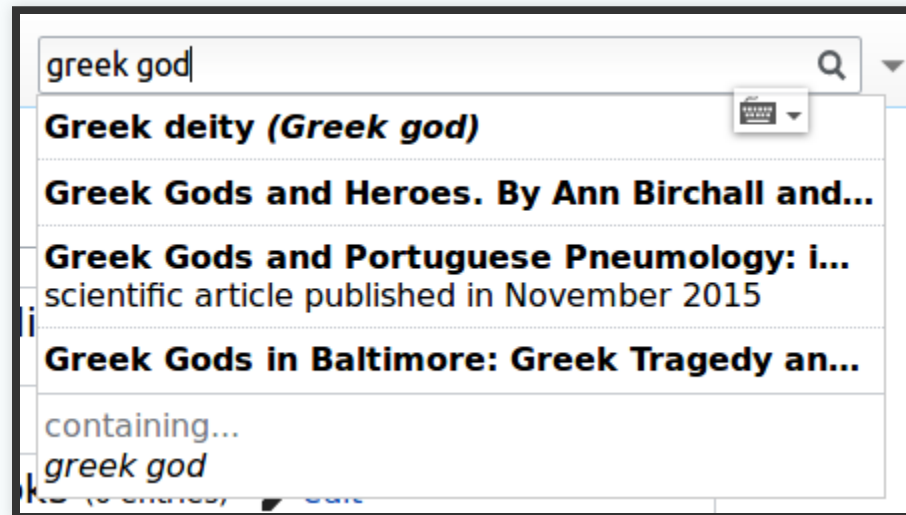


▼ In more languages

Language	Label	Description	Also known as
English	Greek deity	No description defined	Greek god
French	divinité grecque	No description defined	
Catalan	deïtat de la mitologia grega	No description defined	
Danish	græsk gud	No description defined	
German	griechische Gottheit	No description defined	
Greek	Θεότητα της ελληνικής μυθολογίας	No description defined	
Esperanto	greka dio	No description defined	
Spanish	deidad de la mitología griega	No description defined	deidad griega dios de la mitología griega diosa de la mitología griega dios griego diosa griega

			divinidad griega deidad de la mitología griega dios de la mitología griega diosa de la mitología griega
Hungarian	görög istenség	No description defined	
Armenian	Աստված Հունական դիագաբանությունից	No description defined	
Italian	divinità greca	No description defined	dio della mitologia greca dea della mitologia greca

Use of alias



Statements

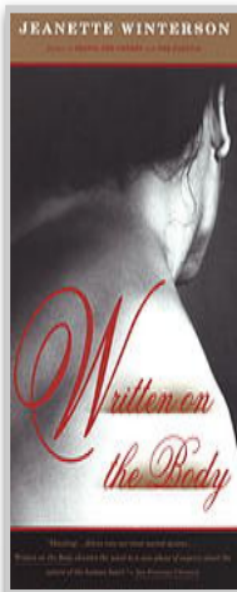
All of the following are **statements**:

- Main statements
- Identifiers
- Sitelinks

Look at item: [Jeanette Winterson \(Q233584\)](#)

- references of different types (look under date of birth)
- qualifiers (look under award received)

Identifiers+ – VIAF links back!



Winterson, Jeanette, 1959-....



Winterson, Jeanette



Jeanette Winterson English writer



1959, לינט, וינטרסון, ג'נט



Уинтерсон, Д. 1959- Дженет



VIAF ID: 4961254 (Personal)

Permalink: <http://viaf.org/viaf/4961254>

Preferred Forms

100 0 _ \$a Jeanette Winterson \$c English writer

100 1 _ \$a WINTERSON, Jeanette

200 _ 1 \$a Winterson \$b Jeanette \$f 1959-

200 _ | \$a Winterson \$b Jeanette \$f 1959-....

100 1 _ \$a Winterson, Jeanette



Properties

Properties describe the relationships between items.

New properties must go through [a proposal process](#). ([See all open proposals](#))

Look at property: [author \(P50\)](#)

- [Data type](#)
- [Constraints](#)

Discussion and history

[View item for: book \(Q571\)](#)

Query Service (SPARQL)

<https://query.wikidata.org/>

Example: Instance of *work* (or any of its subclasses) where author is *Jeanette Winterson*

Check out the examples and the help!

The ecosystem: Reasonator

Nicer views of Wikidata

Reasonator view for Jeanette Winterson

Jeanette Winterson (Q233584)

Джанет Винтерсон | Винтерсон, Джанет | Винтерсон, Жанет | Винтерсон Жанет | Жанет Винтерсон | Уинтерсон |
Джанет Уинтерсон | Винтерсон Ж. | Уинтерсон Джанет | Винтерсон | Jeannette Winterson | Winterson | Dženet Vinterson |
ג'נט וינטרסון | 자넷 윈트슨 | 재닛 윈터슨 | ジャネット ウィンターソン | ジャネット ウィンターソン |
ジャネット (ウィンターソン, ジャネット) ウィンターソン | 珍妮特·温特森 | 珍妮特·温特森 | Уинтерсон, Джанет | ジャネット・ウィンターソン |
جنت وينترسون | ג'נט וינטרסון | Jeanette Wintersonová | جانييت وينترسون | 지넷 윈터슨 | Dženeta Vintersone

English writer

Jeanette Winterson is a [British writer](#), [screenwriter](#), [novelist](#), [journalist](#), [author](#), [science fiction writer](#), [short story writer](#), and [film producer](#).

She was born on [August 27, 1959](#) in [Manchester](#).

She studied at [St Catherine's College](#) and [Accrington and Rossendale College](#). Her field of work includes [novel](#).



[Download unsupported media file](#)

Other properties

genre [novel](#) narrative text, normally of a substantial length and in the form of prose describing a fictional and sequential story

nominated for [British Academy Television Award for Best Drama Series](#) récompense de la télévision britannique

[External sites](#)

point in time : 1991

for work : Oranges Are Not the Only Fruit

Lambda Literary Award for Lesbian Fiction

point in time : 1993

Lambda Literary Award for Lesbian Fiction

point in time : 2000

Lambda Literary Award for Lesbian Fiction

point in time : 2005

Carnegie Medal annual award for writing a children's book published in the U.K.

point in time : 2007

Carnegie Medal annual award for writing a children's book published in the U.K.

point in time : 2011

languages spoken,
written or signed

English West Germanic language originating in England with linguistic roots in French, German and Vulgar Latin

award received

Officer of the Order of the British Empire award, rank of the Order of the British Empire

John Llewellyn Rhys Prize award

official website

External sources

Babelio author	20603
BBC Things	a974ac20-7d43-4001-9098-ccc35bd270f9
BIBSYS	90149390
BNE	XX1046550
BnF	121095005
Canadiana Authorities	0060A1704
CANTIC-ID	a11423870
Cinemagia actor	30139
CiNii author ID	DA03452406
CONOR	5946723
DBC author	87097969095232

The ecosystem: Reasonator

Reasonator view for Jeanette Winterson

From related items



winner

[E. M. Forster Award](#) британская литературная премия

point in time : 1990

[St. Louis Literary Award](#)

point in time : 2014

creator

[Lighthousekeeping](#) 2004 novel, by Jeannette Winterson

[Oranges Are Not the Only Fruit](#) television series

author

[The Weight: The Myth of Atlas and Heracles](#)

[Lighthousekeeping](#) 2004 novel, by Jeannette Winterson

[Arte e menzogne](#) book by Jeanette Winterson

[The Stone Gods](#) novel

[Sexing the Cherry](#) novel

[Gut Symmetries](#) 1997 novel

[Oranges Are Not the Only Fruit](#) book by Jeanette Winterson

[The World and Other Places](#) collection of short stories

screenwriter	Great Moments in Aviation 1993 film by Beeban Kidron
influenced by	♂ Christopher Barzak American writer
category combines topics	Category:Novels by Jeanette Winterson Wikimedia category

Timeline



1991

nominated for:
British Academy
Television Award

1993

award received: [Lambda Literary Award for Lesbian Fiction](#)



1993

nominated for:
[Lambda Literary Award for](#)

The ecosystem: Wikidata Graph Builder

Visual way to explore relationships/ontology in Wikidata

Class hierarchy for "book" (Q571)

Mode Language

Forward



en

Root Item

book

Traversal Property

subclass of

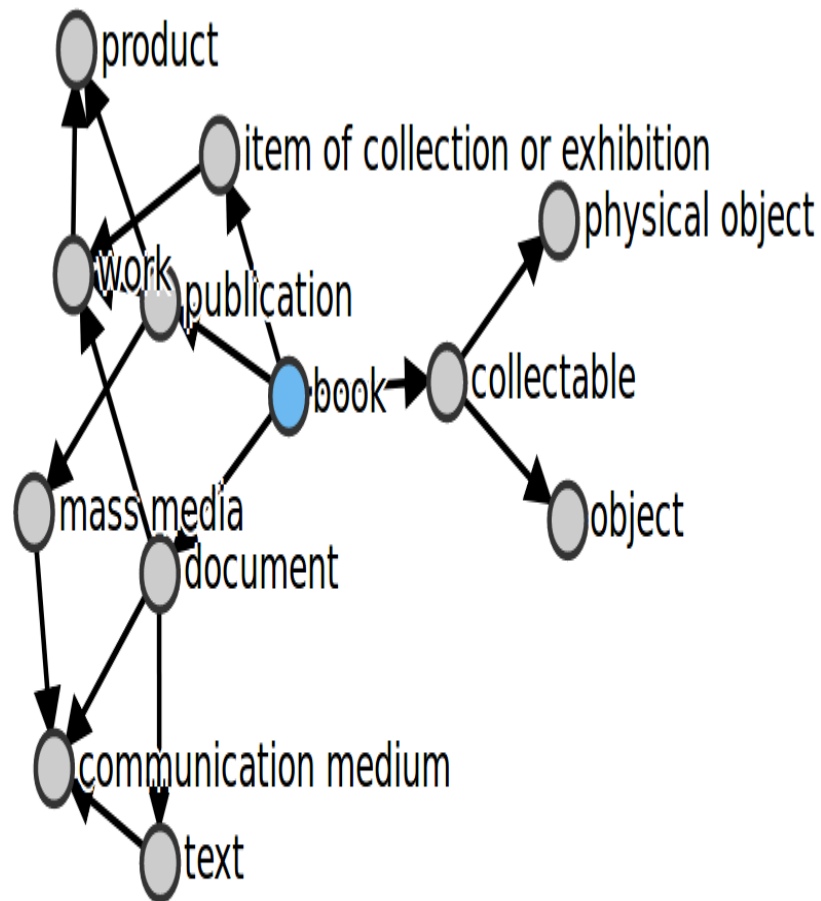
Iterations

Limit

5



5



The ecosystem: SQID

[SQID Item Browser entry for "book" \(Q571\)](#)

[SQID Property Browser](#) – look at properties used for class "book (Q571)"

Get started: The Distributed Game

Easy ways to start editing Wikidata

- Missing birthdate
- Depiction
- Items without descriptions
- many more!

Get started: Mix'n'match

Hundreds of vocabularies being reconciled with Wikidata

Interface to:

- verify automatic matches
- simplify process of creating new matches

Example: [JSTOR topics vocabulary](#)

Selected others of interest:

- [LoC names, LoC Relators](#)
- [ORCID](#)
- [Selected VIAF entries](#)
- [SNAC person ids \(Social Networks Archival Context\)](#) 99.9% complete!
- [OpenDOAR](#)

The big time: Wikidata at scale

- [OpenRefine](#)
- [QuickStatements](#)
- [PetScan](#)

GLAM and Wikidata? – General

- Allison-Cassin, Stacy and Scott, Dan. (May 2018) [Wikidata: a platform for your library's linked open data](#). Code4Lib Journal, Issue 40.
- ARL draft white paper on Wikimedia and Linked Open Data open for comment in Fall 2018. ([about](#) | [draft](#))
- [Wikidata + GLAM Facebook group](#)
- [Wikimedia and Libraries User Group](#)

Projects

Wikidata projects working out data models, best practices, data enrichment in certain areas, including:

- WikiCite
- Books
- Libraries
- Archival description
- Indexes
- Cultural heritage
- Events (including conferences... citation implications!)

Applications

- [Scholia](#) - interface to the scholarly bibliographic data in Wikidata
- [University of Wisconsin-Madison Libraries catalog integration](#) - "Information from the Web" section added to end of record view
- [Laurentian University Library catalog integration](#)

GLAM Wikibase

- OCLC's [Project Passage](#) (overview)
- Europeana's [EAGLE Project](#)
- Rhizome [plans to migrate its ArtBase](#)

At UNC Chapel Hill Libraries

On the table:

- model the Libraries in Wikidata
 - [University Libraries at the University of North Carolina at Chapel Hill \(Q49060650\)](#)
 - [Wilson Special Collections Library \(Q14708020\)](#)
 - others?
- addition of [archives at \(P485\)](#) property to Wikidata items for people and organizations whose papers or correspondence we hold

Other ideas:

- create items for unique archival collections
- representing our faculty and publications in Wikidata (?)
- edit-a-thons to reconcile vocabularies we care about
- experiment with leveraging Wikidata in our systems
- NC Metadata Connect name authority project (possible use of Wikibase)

Resources

- [Wikidata educational resources](#)
- [Wikidata training](#)

This presentation heavily cribbed from:

- [Wikidata in one page](#)
- ARL draft white paper on Wikidata in Libraries