

Wikidata as authority data Panel

EuropeanaTech 2018 – 15-16 May 2018, Rotterdam

Emmanuelle BERMES

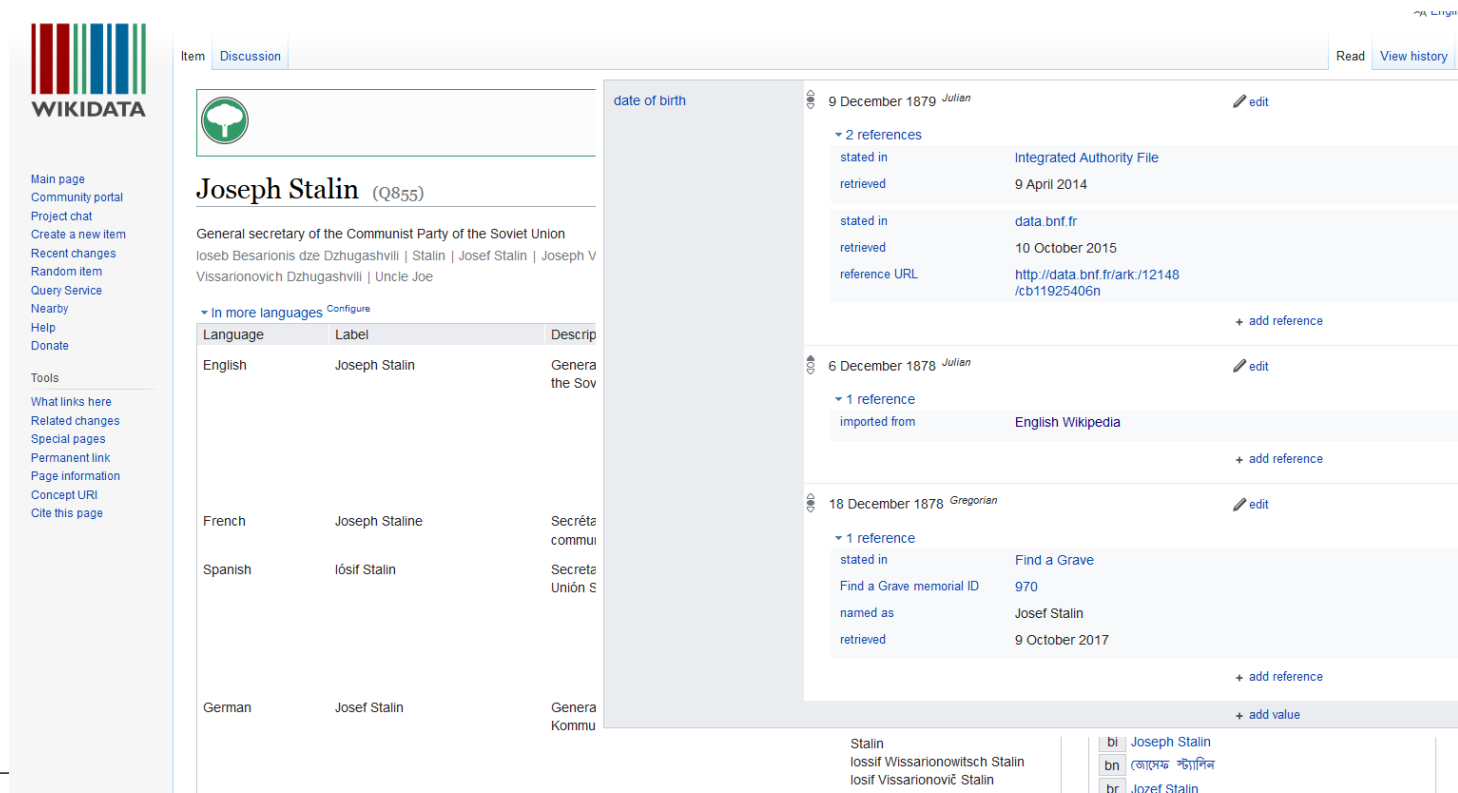
Bibliothèque nationale de France

Data.bnf.fr and Wikidata

- 400.000+ Wikidata entries have a link to a BnF ID (P268)
- Anyone can use Data.bnf.fr SPARQL endpoint to...
 - Add BnF identifiers to existing WD entries (including Gallica Ids),
 - Add statements to existing WD entries
 - Add references to existing WD statements
 - Create new WD entries
- Institutional vs. individual commitment : unlike Wikipedia, no conflict of interest issues. But adding data to Wikidata remains mainly the work of individual volunteers...
- Notable exception : description of formats for digital preservation

Library authorities and Wikidata

- Trust model in Wikidata :
 - Based on a reference to an external source (like... a library authority file)
 - Wikidata doesn't collect facts but statements with references :



The screenshot displays the Wikidata page for Joseph Stalin (Q855). The page is structured with a left sidebar containing navigation links, a main content area with the item's name and description, and a right sidebar with references for the 'date of birth' property.

Wikidata Logo

Navigation Links:

- Main page
- Community portal
- Project chat
- Create a new item
- Recent changes
- Random item
- Query Service
- Nearby
- Help
- Donate
- Tools
- What links here
- Related changes
- Special pages
- Permanent link
- Page information
- Concept URI
- Cite this page

Item: Discussion

Joseph Stalin (Q855)

General secretary of the Communist Party of the Soviet Union
Ioseb Besarionis dze Dzhughashvili | Stalin | Josef Stalin | Joseph Vissarionovich Dzhugashvili | Uncle Joe

In more languages [Configure](#)

Language	Label	Description
English	Joseph Stalin	General Secretary of the Soviet Union
French	Joseph Staline	Secrétaire général du Parti communiste de l'Union soviétique
Spanish	Iósif Stalin	Secretario General del Partido Comunista de la Unión Soviética
German	Josef Stalin	Generalsekretär des Politbüros der Kommunistischen Partei der Sowjetunion

date of birth

- 9 December 1879 *Julian* [edit](#)
 - 2 references
 - stated in [Integrated Authority File](#)
 - retrieved 9 April 2014
 - stated in [data.bnf.fr](#)
 - retrieved 10 October 2015
 - reference URL <http://data.bnf.fr/ark:/12148/cb11925406n>
 - [+ add reference](#)
- 6 December 1878 *Julian* [edit](#)
 - 1 reference
 - imported from [English Wikipedia](#)
 - [+ add reference](#)
- 18 December 1878 *Gregorian* [edit](#)
 - 1 reference
 - stated in [Find a Grave](#)
 - [Find a Grave memorial ID](#) 970
 - named as [Josef Stalin](#)
 - retrieved 9 October 2017
 - [+ add reference](#)
 - [+ add value](#)

Stalin
Iosif Vissarionowitsch Stalin
Iosif Vissarionovič Stalin

bi [Joseph Stalin](#)
bn [জোসেফ স্টালিন](#)
br [Jozef Stalin](#)

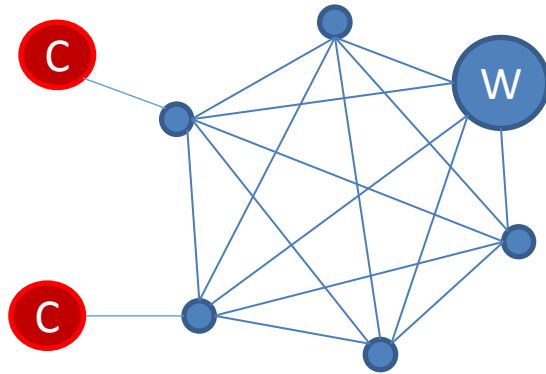
Perspectives

- Libraries as major contributors to Wikidata (not only through individuals)
- Libraries working as a community towards quality improvement in Wikidata
- Wikidata (Wikibase) as a model and an infrastructure to improve collaborative work among libraries
- Wikidata as a hub connecting libraries to other communities in a collaborative way

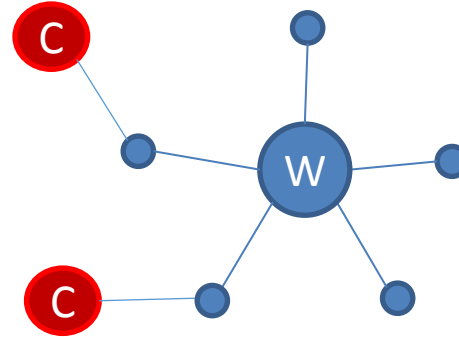
Applied to Wikidata:

- **Find:** Stated criteria may partly be based on property values in Wikidata (fedded by users or other knowledge bases)
- **Identify:** Wikidata identifiers could be shared as common identifiers by linking to Wikidata either directly or via the local thesaurus
- **Contextualisation:** Wikidata serves as a hub to other knowledge bases (>2000 external identifiers) providing more context than the individual thesauri

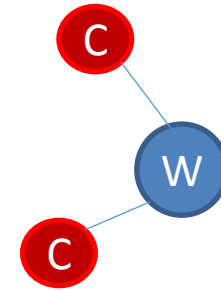
Wikidata as hub, as central hub or as name authority thesaurus



“Everything links to everything”



“Wikidata as central hub”



“linking directly to Wikidata”

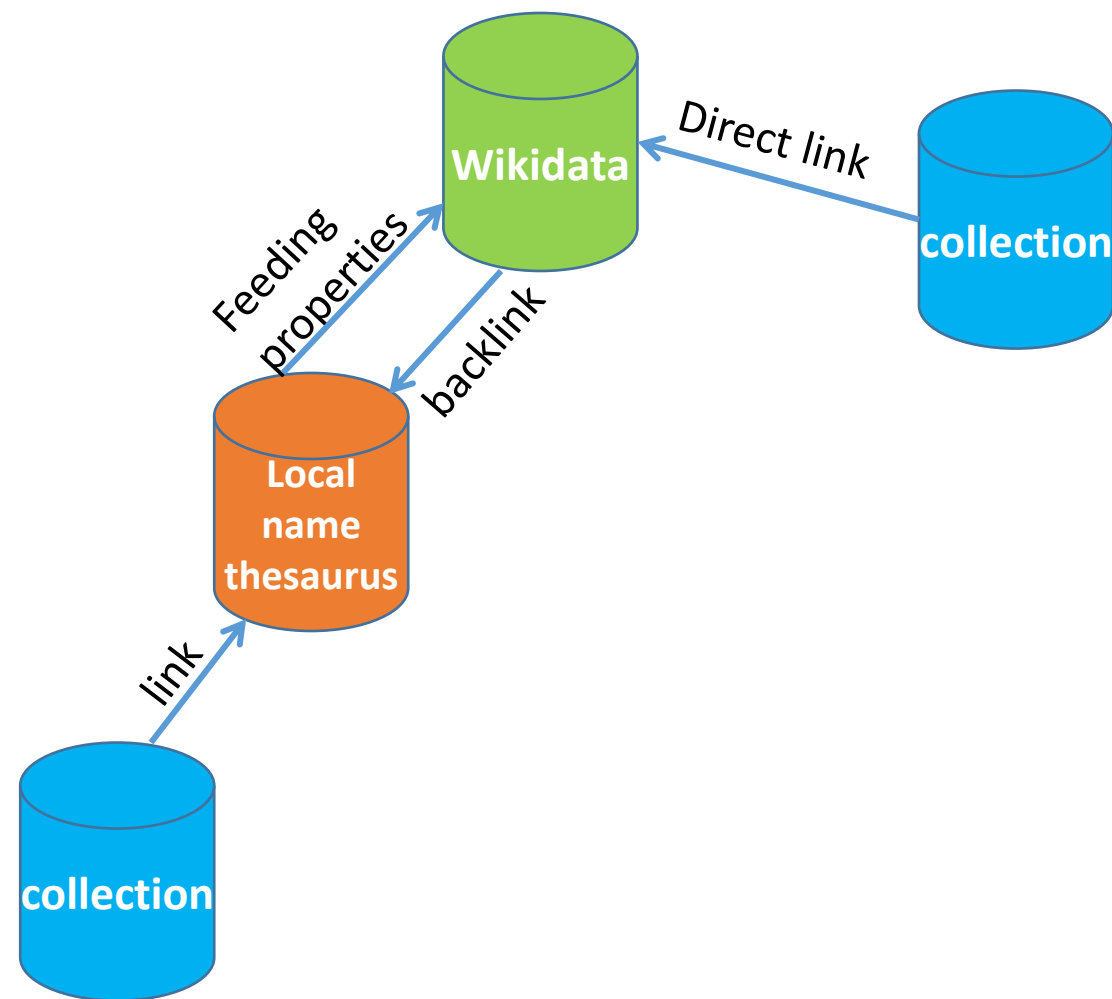
● Authority data

● Collection of descriptions
(containing names)

● Wikidata

Alternative ways of usage

- Feeding properties to Wikidata with backwards links to local thesaurus
- Wikidata directly as authority thesaurus
- Several hybrid alternatives



Delpher



Kranten



[beatles] and [rolling stones]



Uitgebreid zoeken

Menu

Click on name to specify or change the relation: uitvoerend artiest=The Beatles (34 objects) uitvoerend artiest=The Rolling Stones (251 objects)

37 krantenartikelen gevonden



Zoekterm wd_id any "Q208994 Q173643 Q210301 Q184259 Q199585 Q202698 Q210306 Q210409... x

Sorteer op relevantie



Weergave



Periode

Kies periode...

Kies periode...

Soort bericht

Kies soort bericht...

Verspreidingsgebied

Kies verspreidingsgebied...

Krantentitel

Kies krantentitel...

Plaats van uitgave

Kies plaats van uitgave...

Herkomst



Knuppelstereo nu op vier te dure CD-plaatjes vervangen door glorieus mo... ☆

'Any' had bijgedragen, kwam er niet meer aan te pas en 'Can't Buy Me Love', 'A Hard Day's Night' en 'Any Time At All' konden worden bijgeschreven op de snel groeiende lijst van onsterfelijke Beatlenumm ...

Krantentitel

NRC Handelsblad

Datum

07-03-1987

Namen en links:

THE · Paul McCartney · Compact disc · [Beatles for Sale](#) · Gitaar · Stereoscopie · EMI Music · John Lennon · Toshiba · Abbey Road Studios · Halen (België) · Ringo Starr · Saw · [Do You Want to Know a Secret](#) · [All My Loving](#) · [I Wanna Be Your Man](#) · You've really got a hold on me · Ludwig van Beethoven · George III van het Verenigd Koninkrijk · Don't Bother · ... [more](#)
-Bekijk en wijzig links in de artikeltekst

Meer details ▼



Witte Stones Zwarte Beatles ☆

't Buy Me Love (20 maart 1961.); Don't Let Me Down (begin 1969, met Billie Preston); Ballad Of John And Yoko (30 mei 1969) en O ld Brown Shoe. Veel minder geruisloos

Pros of Wikidata as name authority thesaurus

- Low barrier to participate: minimizing required knowledge, skills and local infrastructure
- A richer set of properties from more domains is potentially directly available
- Lower barrier to connect collections by using a single identifier
- Wikidata is user friendly and has a high availability and momentum

Cons of Wikidata as name authority thesaurus

- Risk of vandalism, errors, heterogeneous data entry, duplicate entries
- Different institutions may have different views on a single item
- Risk of Wikidata not being available
- What if Wikidata is bought by a commercial company?

External sources	
AllMovie artist	p197461
AllMusic artist	mn0001043581
AlloCiné person	18066
BIBSYS	2129846
BNE	XX1176282
BnF	140296944
Box Office Mojo person	natalieportman
CANTIC-ID	a10312936
Commons Creator page	Natalie Portman
Discogs artist	1362134
DNF person	109608
EDb person	n0000178
elCinema person	1996177
elFilm person	3278954
Elonet person	243568
Encyclopædia Britannica	biography/Natalie-Portman
Encyclopædia Universalis	natalie-portman
FAST	395898
Filmportal	a60b8709c0aa4cbf8754acff0f58d10f
Freebase	/m/09l3p
GND	123844509
Gran Enciclopèdia Catalana	0519647
IMDb	nm0000204
Instagram username	natalieportman
Internet Broadway Database person	56431
Internet Off-Broadway Database	458
Ishim	נטלי פורטמן
ISNI	0000 0001 0907 8419
KINENOTE person	48122
Kinopoisk person	24285
KMDb person	00049719
last.fm	Natalie Portman



CC-BY-SA 2.0 Benjamin Ellis

External sources	
AllMovie artist	p197461
AllMusic artist	mn0001043581
AlloCiné person	18066
BIBSYS	2129846
BNE	XX1176282
BnF	140296944
Box Office Mojo person	natalieportman
CANTIC-ID	a10312936
Commons Creator page	Natalie Portman
Discogs artist	1362134
DNF person	109608
EDb person	n0000178
elCinema person	1996177
elFilm person	3278954
Elonet person	243568
Encyclopædia Britannica	biography/Natalie-Portman
Encyclopædia Universalis	natalie-portman
FAST	395898
Filmportal	a60b8709c0aa4cbf8754acff0f58d10f
Freebase	/m/09l3p
GND	123844509
Gran Enciclopèdia Catalana	0519647
IMDb	nm0000204
Instagram username	natalieportman
Internet Broadway Database person	56431
Internet Off-Broadway Database	458
Ishim	נטלי פורטמן
ISNI	0000 0001 0907 8419
KINENOTE person	48122
Kinopoisk person	24285
KMDb person	00049719

<u>2.783</u>	<u>identifier properties</u>
1.005	people
445	works (books, films...)
318	places
209	organisations
...	...
6	individual horses

Individual identifier properties (Pxxxx)

need to be proposed, discussed & approved

https://www.wikidata.org/wiki/Wikidata:Property_proposal

Generic mapping properties

=	exact match (P2888)	<i>skos:exactMatch</i>
≡	equivalent class (P1709)	<i>owl:sameAs</i>
⊇	narrower external class (P3950)	<i>skos:narrowMatch</i>
id	catalog code (P528)	<i>dc:identifier</i>

Mapping Creation



OpenRefine

mix'n'match

<https://tools.wmflabs.org/mix-n-match/>

custom tools to prepare statements

Mapping Maintenance

document you mappings efforts!

regular queries reveal updates and changes

<https://wdmapper.readthedocs.io/>