



Wikidata lists using Listeria

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What is Wikidata?

- Wikimedia's structured data repository
- Currently over 38,000,000 items
- Sitelinks between different projects (Wikipedia languages, Commons, ...)
- But also statements about those items...

What is Wikidata?

QNNN → P31 → QMMM

Thing → instance of → Other thing

(Same in portuguese)

Language neutral

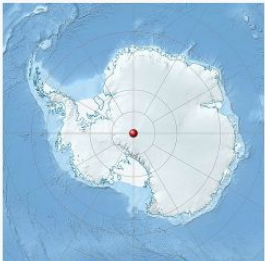
What is Wikidata?

- Think of it like data stored in Wikipedia infoboxes
- ...which we can make entirely from Wikidata (see last Wikidata lab)
- But we can also query it in other ways, e.g. to make lists.



The South Pole Telescope in November 2009

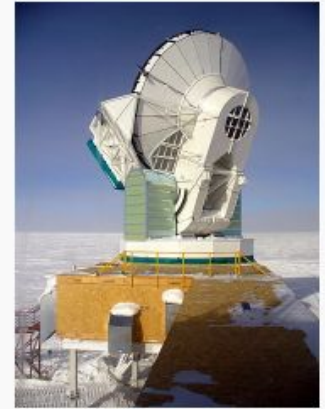
Alternative names	SPT ↗
Named after	South Pole ↗
Observatory	Amundsen–Scott South Pole Station ↗
Location(s)	South Pole, Antarctic Treaty area, Antarctica ↗
Coordinates	 90°S 0°E ↗
Altitude	2.8 km (9,200 ft) ↗
Built	November 2006–February 2007 ↗
First light	16 February 2007 ↗
Telescope style	Cosmic microwave background experiment ↗ Gregorian telescope ↗ radio telescope ↗
Diameter	10.0 m (32 ft 10 in) ↗
Secondary diameter	1 m (3 ft 3 in) ↗
Mass	280 t (280,000 kg) ↗
Angular resolution	1 minute of arc ↗
Collecting area	78.5 m ² (845 sq ft) ↗
Mounting	altazimuth mount ↗
Replaced	Antarctic Submillimeter Telescope and Remote Observatory ↗
Website	pole.uchicago.edu ↗



Location of South Pole Telescope

[Related media on Wikimedia Commons](#)

[\[edit on Wikidata\]](#)



Informações gerais

Origem do nome	Pólo Sul ↗
Tipo de telescópio	telescópio gregoriano, radiotelescópio, Cosmic microwave background experiment ↗
Lançamento	16 de fevereiro de 2007 ↗
Páginas Web	pole.uchicago.edu ↗

Informações do telescópio

Localização atual	Pólo Sul, zona do Tratado sobre a Antártida, sem valor ↗
Coordenadas	 90°S 0°E
Altitude	2.8 km (2,800 m)
Diâmetro	10.0, 1 m (5.88, 0.59 sm)
Construído	novembro 2006–fevereiro 2007
Área de alcance	78.5 m ² (78.5 m ²)
Poder de resolução	1 minuto de arco ↗
Base da montagem	montagem altazimutal

[Mídia relacionada no Wikimedia Commons](#)

Instrumentos

[\[edite no Wikidata\]](#)

`{{Wikidata list` → Lista do Wikidata

`|sparql=`

```
SELECT ?item WHERE {  
  ?item wdt:P31 wd:Q39715 . → instância de farol  
  ?item (wdt:P131)* wd:Q55 → Em Países Baixos  
}
```

`|columns=label:Article,description,p131:Place,P580,P582,p625,P18`

`|section=P131`

`|min_section=3`

`|sort=label`

`|links=text`

`|thumb=128`

`|autolist=fallback`

`}}`

`... (This will be overwritten by ListeriaBot) ...`

`{{Wikidata list end}}`

→ `{{Fim da lista do Wikidata}}`

This list is automatically generated from data in [Wikidata](#) and is periodically updated by [Listeriabot](#).

[Automatically update the list now](#) | [SPARQL](#) | [Find images](#)

Edits made within the list area will be removed on the next update!

Contents [\[hide\]](#)

- [1 Bonaire](#)
- [2 Rotterdam](#)
- [3 Súdwest-Fryslân](#)
- [4 The Hague](#)
- [5 Veere](#)
- [6 Misc](#)

Bonaire

[\[edit\]](#) [\[edit source\]](#)

Article	description	Place	start time	end time	coordinate location	image
Lacre Punt Lighthouse	lighthouse in the Netherlands	Bonaire			12.028°N 68.238°W	
Malmok Lighthouse	lighthouse in the Netherlands	Bonaire			12.3113132°N 68.392268°W	
Vuurtoren Fort Oranje	lighthouse in the Netherlands	Bonaire			12.148805555556°N 68.276805555556°W	

https://en.wikipedia.org/wiki/User:Mike_Peel/Sandbox2

query.wikidata.org

The screenshot shows the Wikidata Query interface. At the top, there is a header with the Wikidata logo, the text "Wikidata Query", and navigation buttons for "Examples", "Help", and "Tools". The language is set to "English".

The main area is titled "Query Helper" and contains a visual query builder. It features a vertical toolbar on the left with icons for information, expand, pin, folder, undo, redo, delete, and link. The query builder itself has a "Limit" section at the bottom left. The main area contains two filter clauses:

- The first clause is "instance of" with a dropdown menu set to "lighthouse".
- The second clause is "any" with a dropdown menu set to "Netherlands". Below "any" is a text input field containing "located in the administrative territorial entity".

Each filter clause has a trash icon to its right. On the right side of the interface, there is a code editor showing the following SPARQL query:

```
1 SELECT ?item WHERE {  
2 ?item wdt:P31 wd:Q39715 .  
3 ?item (wdt:P131)* wd:Q55  
4 }
```

At the bottom right corner, there is a green circular refresh icon.

The good

- Can quickly create lists using Wikidata information!
 - Makes it very easy to have “List of paintings by X” articles!
- Whatever you can fetch using a Wikidata query, you can turn into a list
- As Wikidata updates, so does the list
- Works across different languages using the same dataset

The bad

- Information is copied from Wikidata, rather than being live
 - But regular updates
- Local changes lost when the bot updates the list
- Not allowed to be used in article space (on enwp)

The ugly

- Formatting can be tricky (but see next slides...)
- Writing the queries in exactly the right way can be tricky!
- Not everything is on Wikidata yet! (but you can add it!)
- Partial, but not full, support for refs from Wikidata (refs = all)
- Can't edit the lists in-place, edits through Wikidata as usual

Using templates

```
|row_template = User:Mike Peel/Sandbox/Row
|header_template = User:Mike
Peel/Sandbox/Header
```

Header template:

```
{| class='wikitable
sortable'
style='width:100%'
!scanned file on Wikimedia
Commons
!label
!publication date
!place of publication
!number of pages
!signatory
!Wikisource index page
!full work available at
```







Row template:

```
|-
| {{{p996|}}}
| {{{label|}}}
| {{date|{{{p577|}}}|dmy}}
| {{{p291|}}}
| {{{p1104|}}}
| {{hidden|<br />Signatories|{{{p1891|}}}}}
| {{#if:{{{p1957|}}}|[[{{{p1957|}}}]]}}
| {{#if:{{{p953|}}}|[[{{{p953|}}}]]}}
```

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[Automatically update the list now](#) | [SPARQL](#) | [Find images](#)




Edits made within the list area will be removed on the next update!

scanned file on Wikimedia Commons	label	publication date	place of publication	number of pages	signatory	Wikisource index page	full work available at
	<i>Institutional Act Number One</i>	9 April 1964	Rio de Janeiro		[show] Signatories		[1]
	<i>Institutional Act Number Two</i>	27 October 1965	Brasília	12	[show] Signatories	[2] 	[3]
	<i>Institutional Act Number Three</i>	5 February 1966	Brasília	5	[show] Signatories	[4] 	[5]
	<i>Institutional Act Number Four</i>	7 December 1966	Brasília	9	[show]	[6] 	[7]

https://en.wikipedia.org/wiki/User:Mike_Peel/Sandbox

Bonus: article creation from Wikidata lists

drawing [\[edit source \]](#)

image ↕	article ↕	creator ↕	inception ↕	accession ↕	genre ↕	depicts ↕
	Seascape—Fishing Boats by the Shore ▮▮▮ ✎A	Henry Pember Smith	1875	1980.261 ↗		
	Note in Pink and Brown ▮▮▮ ✎A	James Abbott McNeill Whistler	1880	17.97.5 ↗		
	Road in Etten ▮▮▮ ✎A	Vincent van Gogh	1881	1975.1.774 ↗		
	Aman-Jean (Portrait of Edmond François Aman-Jean) ▮▮▮ ✎A	Georges Seurat	1882s	61.101.16 ↗		

https://en.wikipedia.org/wiki/Wikipedia:GLAM/Metropolitan_Museum_of_Art/Artworks/19.75C

Preview

This is only a preview; your changes have not yet been saved! → [Go to editing area](#)



This is an initial [draft](#) for an article on **Seascape—Fishing Boats by the Shore (Henry Pember Smith)**. This page is not yet ready for [mainspace](#).

Are you happy with this draft's content and think it's ready for the encyclopedia? Save your work by pressing "Save page" below, and a button will appear here allowing you to submit your draft for review.

Seascape—Fishing Boats by the Shore is a 1875 [drawing](#) () by [Henry Pember Smith](#). It is in the collection of the [Metropolitan Museum of Art](#).^[1]

Contents [\[hide\]](#)

- [Early history and creation](#)
- [Later history and display](#)
- [Description and interpretation](#)
- [Influence](#)
- [References](#)

Early history and creation

Later history and display

Description and interpretation

The work depicts .

Influence

References

- ↑ "*Seascape—Fishing Boats by the Shore*". [Metropolitan Museum of Art](#).

Seascape—Fishing Boats by the Shore



Artist	Henry Pember Smith
Year	1875
Location	Metropolitan Museum of Art
Accession No.	1980.261
Identifiers	The Met object ID: 12611

[\[edit on Wikidata\]](#)

B *I* ▶ [Advanced](#) ▶ [Special characters](#) ▶ [Help](#) ▼ [Cite](#)

[Templates](#) ▼ [Named references](#) [Error check](#)

```
{{Preloaddraft submit}}
```

```
<!-- When you move this draft into article space, please link it to the Wikidata entry and remove the QID in the infobox code. -->
```

```
{{Infobox artwork/wikidata|qid=Q19924044}}
```

```
''''''{{subst:wikidata|label|Q19924044}}'''''' is a {{subst:wikidata|property|Q19924044|P571}}
```

```
{{subst:wikidata|properties|linked|qualifiers|linked|normal+|Q19924044|P31|P642|sep=&#32;/&#32;|sep% s=|sep% q=&#32;/&#32;}}
```

```
{{subst:wikidata|properties|linked|Q19924044|P136|sep=&#32;/&#32;|sep% s=|sep% q=&#32;/&#32;}} by {{subst:wikidata|properties|linked|normal+|Q19924044|P170|sep=&#32;/&#32;}}. It is in the collection of the {{subst:wikidata|properties|linked|normal+|Q19924044|P195|sep=&#32;/&#32;}}.{{subst:#tag:ref|{{cite web|title=
```

```

{{Wikidata list
|wdedit=yes
|summary=itemnumber
|sparql=SELECT ?item ?pic ?METurl ?num ?itemLabel (CONCAT ("{{Mbabel|",
STR(?itemId), "}} {{Wikidata icon|", STR(?itemId), "}} {{Wikidata
translate|", STR(?itemId), "}}") as ?draft) WHERE {
    ?item wdt:P195 wd:Q160236 .
    ?item wdt:P18 ?pic .
    ?item wdt:P217 ?num .
    ?item wdt:P3634 ?METobjID .
    ?item wdt:P571 ?date
    SERVICE wikibase:label { bd:serviceParam wikibase:language "en" }
    BIND ((CONCAT ("[http://www.metmuseum.org/art/collection/search/",
?METobjID, " ", ?num, "]")) as ?METurl) .
    BIND ((STR(?pic)) as ?image) .
    BIND (REPLACE(STR(?item), "http://www.wikidata.org/entity/", "", "i")
as ?itemId) .
    FILTER( CONTAINS((?image), "%20MET%20") ) .
    FILTER ((?date >= "1875-01-01T00:00:00Z"^^xsd:dateTime) && (?date <
"1900-01-01T00:00:00Z"^^xsd:dateTime)) .
    FILTER NOT EXISTS {?item wdt:P31 wd:Q571 }
}
|section=31
|sort=571
|columns=P18,?draft:article,P170,P571,?METurl:accession,P136,P180
|thumb=128
|min_section=2
}}

```

For examples/ideas see:

https://pt.wikipedia.org/wiki/Categoria:!Artigos_baseados_no_Wikidata

https://en.wikipedia.org/wiki/Category:Lists_based_on_Wikidata