



Current state of Wikidata powered infoboxes

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... because this is the BIG thing we
were promised ^[by whom?] years
ago!!!₁ ^[citation needed]

**Official solutions from Wikidata
developers**



“Official” solutions: *Capiunto* extension (soon)

[Capiunto](#) MediaWiki extension

```
local capiunto = require 'capiunto'  
capiunto.create( {  
    title = 'Title of the Infobox'  
} )  
:addRow( 'A label', 'some data' )  
:addHeader( 'A header between the data rows' )  
:addRow( 'Another label', 'more data' )
```



“Official” solutions: `{{#infobox}}`

`{{#infobox}}` parser function (concept) – very basic automatic infobox, like *ArticlePlaceholder*

- Fully localised, labels=property names from Wikidata
- Usage: just write `{{#infobox}}`
- Configuration: Sorted list of Properties which will be included

**Different incompatible community solutions
(already here)**



Community solutions: English Wikipedia

```
| label20 = {{nobr|Inventory №}}
| data20 = {{#invoke:WikidataIB|getValue|P217|name=accession|qid={{q|}}|suppressfields=
{{{suppressfields|}}}|fetchwikidata={{fetchwikidata|ALL}}|onlysourced={{onlysourced|no}}|{{{acces
sion|}}}}|{{#ifeq:{{{refs|yes}}}|yes|{{wikidata|references|normal+|{{q|}}|P217}} }}}}
```

Already converted infoboxes

- [Infobox artwork*](#)
- [Infobox telescope](#)
- [Infobox observatory](#)
- [Infobox astronomical event](#)
- [Infobox astronomical survey](#)
- [Infobox video game](#)
- [Infobox medical condition](#)
- [Infobox person*](#)
- [Infobox World Heritage Site](#)



Community solutions: French Wikipedia

Different approach with [Module:Wikidata](#)

- Describing infobox in Lua code
- See [Module:Infobox/Monument](#)

```
{type = 'row', label = 'Occupant', value = 'occupant', wikidata = {property = 'P466', showdate = true}},  
{type = 'row', label = 'Type', value = 'type', blockers = {'destination initiale', 'destination finale'}, wikidata  
= {property = 'P31', excludevalues = {'Q41176', 'Q811979' }}}
```




Community solutions: Russian Wikipedia

More similar to English than French, still different:

```
|метка32 = [[Автомобильные номера|Автомобильный код]]
```

```
|текст32 = {{{автомобильный код|}}}
```

```
|викиданные32 = P395
```



Community solutions: Catalan/Basque Wikipedia

- [Mòdul:Wikidata](#): Claimed improvement over English Wikipedia solution
- Allows asking for items, qualifiers and properties of sub-items
- Has basic [English instructions](#)

```
|label9 = Izen ofiziala
```

```
|data9 = {{#invoke:Wikidata|claim|property=P1448|value={{ofiziala|}}|separator=  
<br />|conjunction=<br />}}
```

**Technical challenges:
solved/solving/to be solved**



Technical challenges: utility modules

{{#property:___}} is not enough in most cases, additional formatting/parsing is needed.

More work needed on utility modules:

- displaying/converting units
- showing coordinates
- showing images
- ... and more

Utility modules need to be copied to each Wikipedia.



Technical challenges: multiple values

Dealing with multiple values:

- Preferred rank
- Qualifiers
- Formatting as list, comma-separated values



Technical challenges: missing labels

Proper solution:

- [Grzegorz Brzeczyszczkiewicz](#) -> Gžegožs Bženčiščiķevičs

Compromise solutions:

- Not showing value at all
- Fallback languages (is English or Russian OK?)
- Showing Q value
- Tracking categories for missing labels



Technical challenges: female form

Some words need female form:

- писатель/писательница (Russian)
- spisovatel/spisovatelka (Czech)
- rakstnieks/rakstniece (Latvian)

Modules with [Property:P2521](#) (female form label) support

- frwiki - genderedlabel
- ruwiki - getGenderLabelForEntityId



Technical challenges: Other

- Allowing to hide (suppress) some data
- Proper references
- l10n, i18n
- Right-to-left languages
- Common repository for modules



Human challenges

- Converging to a universal solution
- Convincing big communities ([English](#)) to accept data from Wikidata
 - Unreadable references to other Wikidata items
 - Vandalism
 - Not easy to follow changes from Wikidata
 - Having to edit on another project



Call to action

1. Adapt one of current community solutions (let's not create one more solution)
2. Migrate existing infoboxes
3. Convert existing articles
4. Spread the word
5. Work on another infobox
6. Repeat steps 3 to 6

Discuss!

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