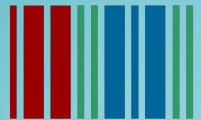


# Wikidata Mismatch Finder

Perform checks on mismatching data between  
Wikidata and external databases

Guergana Tzatchkova  
Wikidata Software Engineer



**WIKIDATA**  
DATA QUALITY  
DAYS 2022

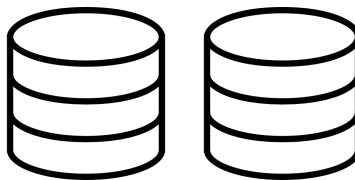
# What is Mismatch Finder

**Mismatch Finder** is a tool, developed by Wikimedia Deutschland, that helps editors work on **mismatches** between Wikidata's data and other databases/websites.

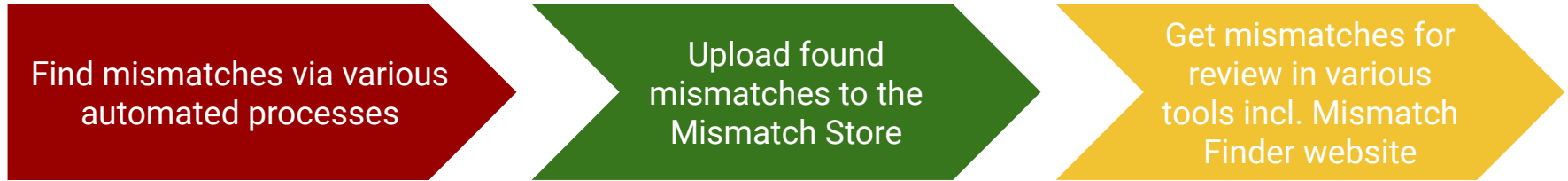
The tool stores mismatching data between Wikidata and external databases, then presents it to editors to review and fix.



≠

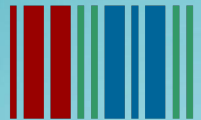


# How it works



# The Website

<https://mismatch-finder.toolforge.org/>



**WIKIDATA**

DATA QUALITY  
DAYS 2022

# Mismatch Finder

## About this tool

[More information](#)

The Mismatch Finder shows you data in Wikidata that differs from the data in another database, catalog or website (for example, someone's date of birth in Wikidata doesn't match the corresponding entry in the German National Library's catalog). Mismatches like this need fixing, and the Mismatch Finder helps you to do just that.

## Which Items should be checked?

Please add one Item identifier per line

```
Q60048828
Q22679053
Q4689263
Q342237
Q16229852
Q16733912
Q17328829
Q110305376
O23799433
```

[Check Items](#)

### About the Mismatch Finder

Licensed under [BSD 3-Clause License](#)

[Get source code](#)

[Report an issue](#)

### About us

[Privacy policy](#)

[Wikimedia Deutschland](#)

Made with ♥ by the [Wikidata Team](#)

### More data quality tools

[Query Builder](#)

[Item Quality Evaluator](#)

[Curious Facts](#)

[Constraint Violation Checker](#)

# Mismatch types

← Refine Item selection

What should I do with the mismatches?

[Instructions](#)

You can fix them! The table below presents you with links to the statements on Wikidata and to the entries on the external source. You can compare the values and manually fix the mismatches by editing Wikidata or the external source. After investigating and fixing the mismatches, you can indicate their status using the options from the drop-down. This tool will not automatically make these edits for you upon submission.

## Ludwig Wittgenstein (Q9391)

| Property       | Value on Wikidata | Value on external source | Status  | External source | Upload info                               |
|----------------|-------------------|--------------------------|---|-----------------|---|
| place of death | Cambridge         | Dublin                   | <input type="text" value="Awaiting review"/>        | MusicBrainz     | Itamar Givon (WMDE)<br>2021-11-16<br>test |
| sex or gender  | male              | nonbinary                | <input type="text" value="Wrong data on Wikidata"/> | MusicBrainz     | Itamar Givon (WMDE)<br>2021-11-16<br>test |

Awaiting review

Awaiting review

Wrong data on Wikidata

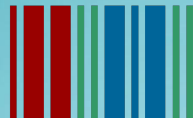
Wrong data on external source

Both are wrong

None of the above

Save reviews

# The Gadget



**WIKIDATA**  
DATA QUALITY  
DAYS 2022

# Installing the gadget

You can install the gadget locally by browsing to <https://www.wikidata.org/wiki/Special:MyPage/common.js>

And adding the following line:

```
mw.loader.load('User:Guergana Tzatchkova (WMDE)/MismatchFinderWidget.js'); or
```

```
importScript
```



The screenshot shows the Wikidata user page for Guergana Tzatchkova (WMDE). The page title is "User:Guergana Tzatchkova (WMDE)/common.js". The page content includes a note about bypassing the browser's cache and a list of instructions for different browsers. The code block at the bottom shows the installation instructions for the MismatchFinderWidget.js gadget.

English Guergana Tzatchkova (WMDE) 2 2 Tal

User page Discussion Read Edit View history M

## User:Guergana Tzatchkova (WMDE)/common.js

< User:Guergana Tzatchkova (WMDE)

**Note:** After publishing, you may have to bypass your browser's cache to see the changes.

- **Firefox / Safari:** Hold *Shift* while clicking *Reload*, or press either *Ctrl-F5* or *Ctrl-R* (⌘-R on a Mac)
- **Google Chrome:** Press *Ctrl-Shift-R* (⌘-Shift-R on a Mac)
- **Internet Explorer / Edge:** Hold *Ctrl* while clicking *Refresh*, or press *Ctrl-F5*
- **Opera:** Press *Ctrl-F5*.

```
1 importScript("User:EpochFail/ArticleQuality.js")
2 importScript("User:Guergana Tzatchkova (WMDE)/MismatchFinderWidget.js")
```





- Main page
- Community portal
- Project chat
- Create a new Item
- Recent changes
- Random Item
- Query Service
- Nearby
- Help
- Donate

Lexicographical data

- Create a new Lexeme
- Recent changes
- Random Lexeme

Tools

- What links here
- Related changes
- Special pages
- Permanent link
- Page information
- Concept URI
- Cite this page

Item [Discussion](#)

# László Bénes (Q18921423)...



There are 1 mismatches on this item

[Inspect](#)

Slovak footballer

Laszlo Benes

[edit](#)

[In more languages](#)

| Language | Label            | Description                 | Also known as |
|----------|------------------|-----------------------------|---------------|
| English  | László Bénes     | Slovak footballer           | Laszlo Benes  |
| German   | László Bénes     | slowakischer Fußballspieler |               |
| Spanish  | László Bénes     | futbolista eslovaco         | Laszlo Benes  |
| Latin    | No label defined | No description defined      |               |

[All entered languages](#)

## Statements

instance of



human ...

[edit](#)

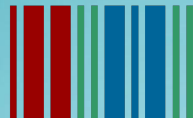
[0 references](#)

[+ add reference](#)

[+ add value](#)

# The Mismatch Store

How does the data get into Mismatch Finder?  
<https://mismatch-finder.toolforge.org/store/>



**WIKIDATA**  
DATA QUALITY  
DAYS 2022

# Getting access

Users need to log in with their wikidata account to get access to the store and generate a token.

## Mismatch Store

 Guergana Tzatchkova (WMDE) [Logout](#)


[API Access Settings](#) [Import Status](#)

Upload Permission: Yes

Created at: 2022-02-02 14:36:20

Last used at: 2022-02-02 19:03:07

To request to have upload rights:

- Write an email to Wikidata's Product Manager Lydia Pinstcher.
- Create a Phabricator ticket requesting Upload rights with the  [Mismatch Finder](#) tag

Regenerate

Delete

# Using the token

This token will be then used to do operations with the api.

Operations:

- Uploading a mismatch file
- Reviewing mismatches through the API.

# Uploading mismatches

- Upload permission needs to be granted to use the Mismatch Finder.

## Headers

- Authorization: Bearer ACCESS\_TOKEN, see [access token](#)
- Accept: application/json
- Content-Type: multipart/form-data

# Uploading mismatches

## Body

- Mismatch\_file (csv file) ←
  - description - (Optional)
  - external\_source
  - external\_source\_url - (Optional)
  - expires - (Optional)
- statement\_guid
  - property\_id
  - wikidata\_value
  - external\_value
  - external\_url - (Optional)

|    | A   | B           | C                      | D                   | E   |
|----|---|-------------|------------------------|---------------------|---|
| 1  | statement_guid                              | property_id | wikidata_value         | external_value      | external_url  |
| 2  | Q5219399\$240CA805-4449-46FD-8C7E-DCCA53E4  | P3682       | Danielle-Le-Ray        | danielle-leray      | <a href="http://en.wikipedia.org/wiki/Danielle_Leray">http://en.wikipedia.org/wiki/Danielle_Leray</a>                 |
| 3  | Q1942887\$4BDAADF-1F3B-452C-BE2D-4A534E6    | P2833       | Afrivalus-Clarkeorum   | clarkes-banana-frog | <a href="http://en.wikipedia.org/wiki/Afrivalus_clarkei">http://en.wikipedia.org/wiki/Afrivalus_clarkei</a>           |
| 4  | Q1593597\$2FF51490-BFCC-4B60-BF07-6F215210A | P2833       | Afrivalus-Sylvaticus   | forest-banana-frog  | <a href="http://en.wikipedia.org/wiki/Afrivalus_sylvaticus">http://en.wikipedia.org/wiki/Afrivalus_sylvaticus</a>     |
| 5  | Q2241169\$41BF6183-DDFC-45FB-A2E4-7AE72E63  | P2833       | Afrivalus-Uluguruensis | uluguru-banana-frog | <a href="http://en.wikipedia.org/wiki/Afrivalus_uluguruensis">http://en.wikipedia.org/wiki/Afrivalus_uluguruensis</a> |
| 6  | Q18847\$E92F2F7B-CF74-4D3E-A34B-152F641CA6  | P2833       | Gallinula-Chloropus    | common-moorhen      | <a href="http://en.wikipedia.org/wiki/Common_moorhen">http://en.wikipedia.org/wiki/Common_moorhen</a>                 |
| 7  | Q10267157\$12316468-392D-429A-B052-BDDAD9E  | P2833       | Disperis-Nitida        | Disperis            | <a href="http://en.wikipedia.org/wiki/Disperis_nitida">http://en.wikipedia.org/wiki/Disperis_nitida</a>               |
| 8  | Q1142349\$B07569B4-567D-4528-B72B-A2DE70F5B | P2833       | Pandinus-Imperator     | emperor-scorpion    | <a href="http://en.wikipedia.org/wiki/Emperor_scorpion">http://en.wikipedia.org/wiki/Emperor_scorpion</a>             |
| 9  | Q25354\$7980C6CD-8D82-49B5-ADCD-0D327E2E0   | P2833       | Garrulus-Glandarius    | jay                 | <a href="http://en.wikipedia.org/wiki/Eurasian_jay">http://en.wikipedia.org/wiki/Eurasian_jay</a>                     |
| 10 | Q164467\$EE90F1EE-0D9A-42E9-ADD0-785AE543B  | P2833       | Larus-Minutus          | little-gull         | <a href="http://en.wikipedia.org/wiki/Little_gull">http://en.wikipedia.org/wiki/Little_gull</a>                       |

# More information

[https://www.wikidata.org/wiki/Wikidata:Mismatch\\_Finder](https://www.wikidata.org/wiki/Wikidata:Mismatch_Finder)



- Main page
- Community portal
- Project chat
- Create a new Item
- Recent changes
- Random Item
- Query Service
- Nearby
- Help
- Donate
  
- Lexicographical data
- Create a new Lexeme
- Recent changes
- Random Lexeme
  
- Tools

English Guergana Tzatchkova (WMDE) Talk Preferences

Project page Discussion Read Edit View history More

## Wikidata:Mismatch Finder

[Translate this page](#)

Other languages: Bahasa Indonesia • British English • **English**

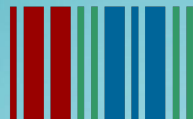
## Mismatch Finder

*Perform checks on mismatching data between Wikidata and exterr*

**Overview** Website Gadget Store Updates Discu

# Thanks for your attention!

Guergana Tzatchkova  
guergana.tzatchkova@wikimedia.de



**WIKIDATA**  
DATA QUALITY  
DAYS 2022