

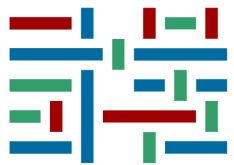
**WIKI  
TECHSTORM**

# Introduction Wikidata

RonnieV, 22 November 2019

# Once upon a time...

Someone came up with the great idea of an internet encyclopedia collecting the sum (or should it be summary?) of all knowledge.



WIKI  
TECHSTORM

# Once upon a time...

Someone came up with the great idea of an internet encyclopedia collecting the sum (or should it be summary?) of all knowledge.

Wikipedia was born.



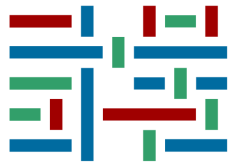
# It started...

English



# It grew...

English, Français, Deutsch, Nederlands, Italiano,  
Português, Español, Norsk, Sámeigiella,...

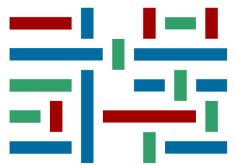


WIKI  
TECHSTORM



# So did the collection of images

As it felt 'strange' to need to upload every image for every language, someone came up with the idea of **sharing** those images.



WIKI  
TECHSTORM

# So did the collection of images

As it felt 'strange' to need to upload every image for every language, someone came up with the idea of **sharing** those images.

**Wikimedia Commons** was created.



# Linking

If we link the article about *Máxima Zorreguieta* to her home country, why not link it to the article in their language (Español), or to the article in Українська? As the number of Wikipedia's grew, so did the number of interwikilinks.



# Linking

Originally every item linked to their related article in any language. But with the growing number of articles and languages, this became quite a burden to maintain.

The article about *Maxima* exists in 43 languages, so there should be 1806 links between them. Adding one translation leads to 43 articles to be updated.

# Linking starwise

Why not collect these links in a central repository, so requesting there for all links would be sufficient?


This idea was realised and **Wikidata** was born.





# Linking starwise



Wikipedia (43 entries)  edit

ar [ماكسيما ملكة هولندا](#)  
ast [Máxima de los Países Baxos](#)  
be [Максіма \(каралева Нідэрландаў\)](#)  
bg [Максима Нидерландска](#)  
cs [Máxima Nizozemská](#)  
cy [Máxima o'r Iseldiroedd](#)  
da [Máxima af Nederlandene](#)  
de [Máxima der Niederlande](#)  
el [Μάξιμα της Ολλανδίας](#)  
en [Queen Máxima of the Netherlands](#)  
eo [Máxima Zorreguieta](#)  
es [Máxima de los Países Bajos](#)  
et [Máxima](#)

fa [ملکه ماکسیمای هلند](#)  
fi [Máxima](#)  
fr [Máxima Zorreguieta](#)  
fy [Máxima Zorreguieta](#)  
he [מקסימה, מלכת הולנד](#)  
hu [Máxima holland királyné](#)  
hy [Մաքսիմա \(Նիդերլանդների թագուհի\)](#)  
id [Máxima dari Belanda](#)  
ie [Máxima del Nederland](#)  
is [Máxima Hollandsdrottning](#)  
it [Máxima Zorreguieta](#)  
ja [マクシマ・ソレギエタ](#)  
jv [Ratu Máxima saka Walanda](#)  
ko [네덜란드 왕비 막시마](#)  
nds\_nl [Máxima Zorreguieta](#)

nl [Máxima Zorreguieta](#)  
nn [Máxima av Nederland](#)  
no [Máxima av Nederland](#)  
pap [Prinsesa Máxima](#)  
pl [Maksyma \(królowa Niderlandów\)](#)  
pt [Máxima dos Países Baixos](#)  
ro [Regina Máxima a Țărilor de Jos](#)  
ru [Максима \(королева Нидерландов\)](#)  
simple [Queen Máxima of the Netherlands](#)  
sr [Максима од Холандије](#)  
sv [Máxima av Nederländerna](#)  
th [สมเด็จพระราชินีแม็กซิมาแห่งเนเธอร์แลนด์](#)  
uk [Максима \(королева Нідерландів\)](#)  
vi [Hoàng hậu Máxima của Hà Lan](#)  
zh [马克西玛 \(荷兰王后\)](#)

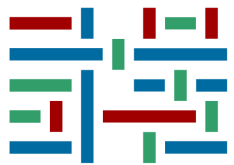
# Why not add more?

Having knowledge of the existence of all articles about someone (or something) in one place, was a start.

# Why not add more?

Having knowledge of the existence of all articles about someone (or something) in one place, was a start.

Why not collect information about this subject in the same location?



WIKI  
TECHSTORM

# Wikidata as we know it

This idea was studied, many challenges were fought and now Wikidata is available.

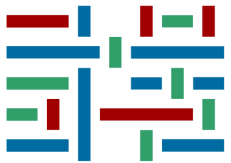




# Wikidata: multilingual

Challenges like multilingual data items.

Should we type 'Nederland' as the name of this country? Someone else will call it 'Pays-Bas', 'Países Baixos', 'Olaand' or 'نیدرلینڈز' (for me, unpronounceable...)



WIKI  
TECHSTORM

# Wikidata: Nederland?

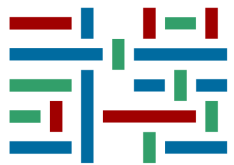
Challenges like multilingual data items.

Should we type 'Nederland' as the name of this country? Someone else will call it 'Pays-Bas', 'Países Baixos', 'Olaand' or 'نیدرلینڈز' (for me, unpronounceable...)

Qualifiers came to a help, so 'Q55' will do.

# Wikidata: Q55

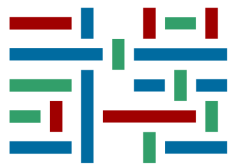
Language	Label	Description	Also known as 
English	Netherlands	constituent country of the Kingdom of the Netherlands	Holland the Netherlands NL NED Nederland nl NL Netherlands (after 1945)
Dutch	Nederland	land binnen het Koninkrijk der Nederlanden	NL NED nl NLD
German	Niederlande	Landesteil des Königreichs der Niederlande	Holland NL nl
French	Pays-Bas	l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)	Hollande NL .



WIKI  
TECHSTORM

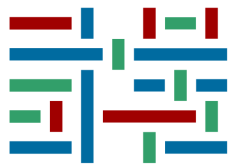
# Wikidata: Q55 – Labels

Language	Label	Description	Also known as	 edit
English	Netherlands	constituent country of the Kingdom of the Netherlands	Holland the Netherlands NL NED Nederland nl NL Netherlands (after 1945)	
Dutch	Nederland	land binnen het Koninkrijk der Nederlanden	NL NED nl NLD	
German	Niederlande	Landesteil des Königreichs der Niederlande	Holland NL nl	
French	Pays-Bas	l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)	Hollande NL	



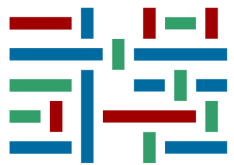
# Wikidata: Q55 – Languages

Language	Label	Description	Also known as	 edit
English	Netherlands	constituent country of the Kingdom of the Netherlands	Holland the Netherlands NL NED Nederland nl NL Netherlands (after 1945)	
Dutch	Nederland	land binnen het Koninkrijk der Nederlanden	NL NED nl NLD	
German	Niederlande	Landesteil des Königreichs der Niederlande	Holland NL nl	
French	Pays-Bas	l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)	Hollande NL	



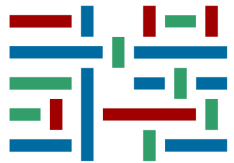
# Wikidata: Q55 – Descriptions

Language	Label	Description	Also known as 
English	Netherlands	constituent country of the Kingdom of the Netherlands	Holland the Netherlands NL NED Nederland nl NL Netherlands (after 1945)
Dutch	Nederland	land binnen het Koninkrijk der Nederlanden	NL NED nl NLD
German	Niederlande	Landesteil des Königreichs der Niederlande	Holland NL nl
French	Pays-Bas	l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)	Hollande NL



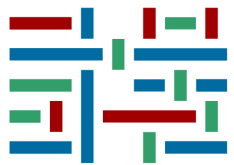
# Wikidata: Q55 – Aliases

Language	Label	Description	Also known as 
English	Netherlands	constituent country of the Kingdom of the Netherlands	Holland the Netherlands NL NED Nederland nl NL Netherlands (after 1945)
Dutch	Nederland	land binnen het Koninkrijk der Nederlanden	NL NED nl NLD
German	Niederlande	Landesteil des Königreichs der Niederlande	Holland NL nl
French	Pays-Bas	l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)	Hollande NL



# Wikidata: Q55 – And more

Achinese	Beulanda	No description defined	
Afrikaans	Nederland	No description defined	
Amharic	ሆላንድ	No description defined	
Aragonese	Países Baixos	No description defined	
Old English	Niðerland	No description defined	
Arabic		هولندا	نذرلندا
Aramaic		No description defined	
Egyptian Arabic		هولندا	
Asturian	Países Baxos	No description defined	هولاندا
		estáu constituyente del Reinu de los Países Baxos	
Avaric	Нидерландал	No description defined	
Aymara	Aynacha Jach'a Markanaka	No description defined	
Azerbaijani	Niderland	Qərbi Avropada ölkə	
			Holanda NL NLD



WIKI  
TECHSTORM



# Wikidata: Statements

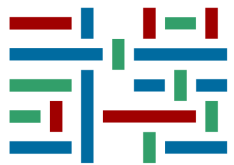
So we have a label and a description in many languages. But what do we know?

# Wikidata: Statements

So we have a label and a description in many languages. But what do we know?

There is so much to know about so many subjects...



We call these **statements**.

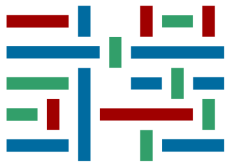


WIKI  
TECHSTORM

# Wikidata: Q55 – Statements

## Statements



inception	 15 December 1954	 edit
	has cause	Charter for the Kingdom of the Netherlands
	▼ 0 references	+ add reference
		+ add value

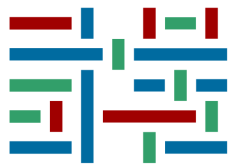


WIKI  
TECHSTORM

# Wikidata: Q55 – Properties

Property

<b>inception</b>	 15 December 1954	 edit
	has cause	Charter for the Kingdom of the Netherlands
	▼ 0 references	+ add reference
		+ add value



WIKI  
TECHSTORM

# Wikidata: Q55 – Values

Property

inception

Values

15 December 1954

has cause

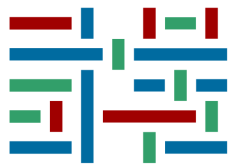
Charter for the Kingdom of the Netherlands

0 references

edit

+ add reference

+ add value



# Wikidata: Q55 – Values by qualifier

Property

Statements	Values	
<a href="#">instance of</a>	<a href="#">country of the Kingdom of the Netherlands</a> <span>edit</span>	
	<a href="#">start time</a> 16 March 1815 <i>Gregorian</i> <span>edit</span>	<a href="#">+ add reference</a>
	<a href="#">0 references</a>	
	<a href="#">country</a> <span>edit</span>	<a href="#">+ add reference</a>
	<a href="#">0 references</a>	<a href="#">+ add value</a>

More qualifiers!

# Wikidata: Q55 – Images

Property

image

Values



The screenshot shows the Wikidata interface for the property 'image'. The 'Property' column contains the label 'image'. The 'Values' column contains a single value: a photograph of a windmill. The image is titled 'Nijlânnermolen Workum.jpg' and has dimensions of 3,539 × 2,654 pixels and a size of 503 KB. Below the image, it indicates '0 references'. To the right of the image, there is an 'edit' button. At the bottom right of the values column, there are buttons for '+ add reference' and '+ add value'.

Nijlânnermolen Workum.jpg  
3,539 × 2,654; 503 KB  
▼ 0 references

edit

+ add reference

+ add value

# Wikidata: Q55 – Editing

Statements

instance of

Values

country of the Kingdom of the Netherlands

start time 16 March 1815

country

publish remove cancel ?

remove

+ add qualifier

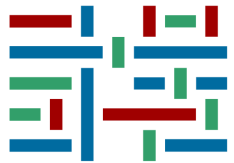
▼ 0 references

+ add reference

edit

+ add reference

+ add value



WIKI  
TECHSTORM



# Wikidata: In my language

English RonnieV 84 34 [Wik Preferences](#)

Special page

[Search Wikidata](#)

## Preferences

User profile Appearance Editing Recent changes Watchlist Gadgets Search Beta features Notifications

### Basic information

Username: RonnieV

Member of groups: [Autoconfirmed users](#), [Users](#)

Connected apps: [Manage 4 connected applications](#)

Number of edits: 11,749

Registration time: 02:04, 27 December 2012

Password: [Change password](#)

Global account: [View your global account info](#)

Global preferences: [Set your global preferences](#)

Preferences set via the global preferences page will apply to all wikis.

### Internationalisation

Language:



# Wikidata: In my language

Спеціальна сторінка

Мову змінено з English

Українська RonnieV 84 34 Обговорення Налаштування

Пошук

## Налаштування

Особові дані Зовнішній вигляд Редагування Сторінка нових редагувань Список спостереження Додатки Пошук Бета-функції Сповіщення

### Основні відомості

Ім'я користувача:	RonnieV
Член груп:	<a href="#">Автопідтвержені користувачі</a> , <a href="#">Користувачі</a>
Підключені додатки:	<a href="#">Управляти 4 з'єднаними програмами</a>
Кількість редагувань:	11 749
Час реєстрації:	02:04, 27 грудня 2012
Пароль:	<a href="#">Змінити пароль</a>
Загальний обліковий запис:	<a href="#">Переглянути дані Вашого глобального облікового запису</a>
Глобальні налаштування:	<a href="#">Встановити глобальні параметри</a>

Налаштування, встановлені на сторінці глобальних налаштувань, застосовуватимуться до всіх вікі.

### Інтернаціоналізація

Мова інтерфейсу:

uk - українська



# Wikidata: Q55 – Values by qualifier

Property

Твердження

Values

є одним із

country of the Kingdom of the Netherlands *англійська*

ч./дата початку 16 березня 1815 *Григоріанський*

0 посилань на джерела

редагувати

+ додати посилання на джерело

країна


0 посилань на джерела

редагувати

+ додати посилання на джерело

+ додати значення

More qualifiers!



# Wikidata: Q15304003

Елемент [Обговорення](#)

Читати [Переглянути історію](#) [Ще](#) ▼

country of the Kingdom of the Netherlands <sup>англійська</sup> (Q15304003)

Жодного опису ще не визначено.

[редагувати](#)

[Вікіпедія](#) (0 записів) [редагувати](#)

[Іншими мовами](#)

Налаштування

Мова	Назва	Опис	Інші назви
українська	Назва ще не вказана.	Жодного опису ще не визначено.	
англійська	country of the Kingdom of the Netherlands	Жодного опису ще не визначено.	
нідерландська	land van het Koninkrijk der Nederlanden	Жодного опису ще не визначено.	
німецька	Land des Königreichs der Niederlande	Жодного опису ще не визначено.	

[Вікіпідручник](#) (0 записів) [редагувати](#)

[Вікіновини](#) (0 записів) [редагувати](#)

[Вікіцитати](#) (0 записів) [редагувати](#)

[Вікіджерела](#) (0 записів) [редагувати](#)

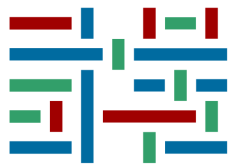
[Усі введені мови](#)



# Wikidata: References

life expectancy

	77.83659 year	 edit
	point in time	1999
	▶ 1 reference	
	77.9878 year	 edit
	point in time	2000
	▼ 1 reference	
	reference URL	<a href="http://data.uis.unesco.org/Index.aspx?DataSetCode=DEMO_DS">http://data.uis.unesco.org/Index.aspx?DataSetCode=DEMO_DS</a>
	stated in	UNESCO Institute for Statistics
		 add reference



# Wikidata: Revision history

Page Discussion

Re View history

Search Wikidata



## Revision history of "Netherlands" (Q55)

Help

[View logs for this page](#) ([view abuse log](#))

### Filter revisions

Diff selection: Mark the radio boxes of the revisions to compare and hit enter or the button at the bottom.

Legend: **(cur)** = difference with latest revision, **(prev)** = difference with preceding revision, **m** = minor edit.

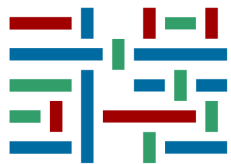
(newest | oldest) View (newer 50 | older 50) (20 | 50 | 100 | 250 | 500)

[Compare selected revisions](#)

[Edit tags of selected revisions](#)

Select: All, None, Invert

- (cur | prev)  07:05, 12 November 2019 Yupik (talk | contribs) ... (1,065,244 bytes) (+79) ... (Added [smn] label: Vuáíádâhenâneh) (undo | thank)
- (cur | prev)  20:10, 6 November 2019 MatSuBot (talk | contribs) ... (1,065,165 bytes) (-62) ... (Changed label, description and/or aliases in 2 languages, and other parts: add missing labels; cleanup) (undo) (restore)
- (cur | prev)  16:26, 4 November 2019 Servansky (talk | contribs) ... (1,065,227 bytes) (+92) ... (Added link to [plwiki]: Niderlandy) (undo | thank) (restore)
- (cur | prev)  06:27, 2 November 2019 ChristianSW (talk | contribs) ... (1,065,135 bytes) (+339) ... (Created claim: iNaturalist place ID (P7471): 7506) (undo | thank) (restore)
- (cur | prev)  17:09, 1 November 2019 Amir Sarabadani (WMDE) (talk | contribs) ... (1,064,796 bytes) (+109) ... (Added [zh] description: 西歐一國， 鄰阿姆斯特丹， 實都海牙) (undo | thank) (restore)
- (cur | prev)  23:56, 28 October 2019 Waldyrious (talk | contribs) ... (1,064,687 bytes) (+66) ... (Added [kea] label: Olanda, #terminator) (undo | thank) (Tag: Widar [1.4]) (restore)
- (cur | prev)  07:19, 24 October 2019 Alain Schneider (talk | contribs) ... (1,064,621 bytes) (+20) ... (Changed link to [frwiki]: Pays-Bas (pays constitutif)) (undo | thank) (restore)
- (cur | prev)  07:15, 24 October 2019 Alain Schneider (talk | contribs) ... (1,064,601 bytes) (-66) ... (Removed [fr] alias: Les Pays-Bas) (undo | thank) (restore)
- (cur | prev)  07:15, 24 October 2019 Alain Schneider (talk | contribs) ... (1,064,667 bytes) (+55) ... (Changed [fr] description: l'un des quatre pays constitutifs du royaume des Pays-Bas (partie européenne)) (undo | thank) (restore)
- (cur | prev)  20:33, 22 October 2019 Hugo.arg (talk | contribs) ... (1,064,612 bytes) (+90) ... (Added link to [banwiki]: Belanda) (undo | thank) (restore)
- (cur | prev)  17:26, 16 October 2019 Pintoch (talk | contribs) ... (1,064,522 bytes) (+810) ... (Changed an Item: create property Rijksmuseum Research Library authority ID (P7444)) (undo | thank) (restore)
- (cur | prev)  19:18, 15 October 2019 Милан Јелисавчић (talk | contribs) ... (1,063,712 bytes) (+366) ... (Changed claim: demonym (P1549): Холанђанка) (undo | thank) (restore)
- (cur | prev)  19:18, 15 October 2019 Милан Јелисавчић (talk | contribs) ... (1,063,346 bytes) (+364) ... (Changed claim: demonym (P1549): Холанђани) (undo | thank) (restore)
- (cur | prev)  19:17, 15 October 2019 Милан Јелисавчић (talk | contribs) ... (1,062,982 bytes) (+388) ... (Created claim: demonym (P1549): Холанђани) (undo | thank) (restore)
- (cur | prev)  19:17, 15 October 2019 Милан Јелисавчић (talk | contribs) ... (1,062,594 bytes) (+390) ... (Created claim: demonym (P1549): Холанђанка) (undo | thank) (restore)
- (cur | prev)  19:16, 15 October 2019 Милан Јелисавчић (talk | contribs) ... (1,062,204 bytes) (+364) ... (Changed claim: demonym (P1549): Холанђанин) (undo | thank) (restore)



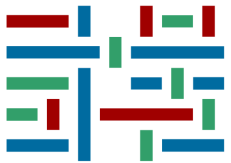
WIKI  
TECHSTORM

# Wikidata: Usage

In data driven infoboxes, which get information from Wikidata.

Jan Raas sur le podium du championnat du monde de 1979

Informations	
Naissance	8 novembre 1952 <span>✎</span> (67 ans) Heinkenszand <span>✎</span>
Nationalité	Néerlandais <span>✎</span>
Distinction	Cycliste néerlandais de l'année <span>✎</span>
Équipes professionnelles	



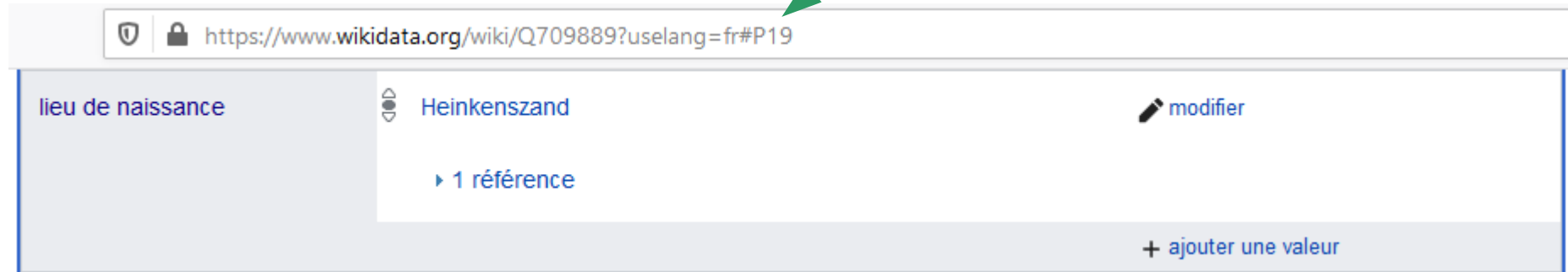
WIKI  
TECHSTORM

# Wikidata: Usage

Jan Raas sur le podium du championnat du monde de 1979

Informations	
Naissance	8 novembre 1952  (67 ans) Heinkenszand
Nationalité	Néerlandais
Distinction	Cycliste néerlandais de l'année
Équipes professionnelles	

In data driven infoboxes, which get information from Wikidata and allow to edit the value of the property immediately.



The screenshot shows a web browser window with the URL <https://www.wikidata.org/wiki/Q709889?uselang=fr#P19>. The main content area displays the property 'lieu de naissance' (place of birth) with the value 'Heinkenszand'. To the right of the value is a 'modifier' button with a pencil icon. Below the value, there is a link '1 référence'. At the bottom right of the edit area, there is a '+ ajouter une valeur' button.

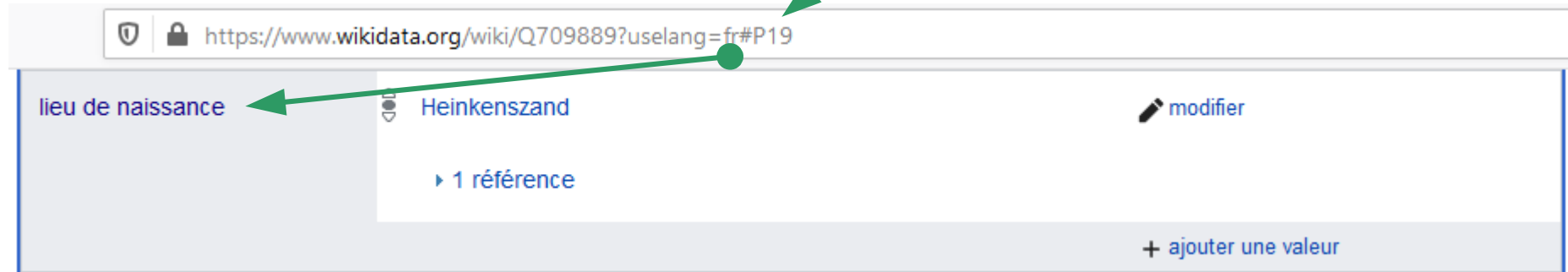


# Wikidata: Usage

Jan Raas sur le podium du championnat du monde de 1979

Informations	
Naissance	8 novembre 1952  (67 ans) Heinkenszand
Nationalité	Néerlandais
Distinction	Cycliste néerlandais de l'année
Équipes professionnelles	

In data driven infoboxes, which get information from Wikidata and allow to edit the value of the property immediately.

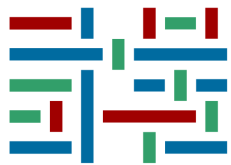


The screenshot shows the Wikidata edit interface for the property 'lieu de naissance' (place of birth) of the entity Q709889. The URL in the browser is <https://www.wikidata.org/wiki/Q709889?uselang=fr#P19>. The property label 'lieu de naissance' is on the left, and the value 'Heinkenszand' is in the center. To the right of the value is a 'modifier' button with a pencil icon. Below the value, there is a link for '1 référence'. At the bottom right, there is a '+ ajouter une valeur' button. A green arrow points from the 'modifier' button in the top-right infobox to the 'modifier' button in this screenshot. Another green arrow points from the 'lieu de naissance' label in this screenshot to the 'lieu de naissance' label in the top-right infobox.

# Wikidata: Usage

schilderij [ bewerken | brontekst bewerken ]





afbeelding	Article	RKDimages-identificatiecode	datum van oprichting of creatie	collectie	inventarisnummer	beeldt af	eigendom van	catalogusnummer	genre	gebruikt materiaal	
	<i>Bleekveld</i>		1640s	National Gallery	NG44	bleekweide man cottage duin bos watergang blekerij		10 95 43 63	landschapschilderkunst	olieverf	
	<i>Jager in een bos</i>		1640s	<i>particuliere kunstverzameling</i>				402	landschapschilderkunst	olieverf	
	<i>Farm and Hayrick on a River</i>	250233	1640	Detroit Institute of Arts	37.21						
	<i>Duinlandschap met hut</i>	69036	1646	Frans Hals Museum	os I-298	duin man cottage		884a dub136 544	landschapschilderkunst	olieverf	92034/GVNRC_FHM01_OS_



WIKI  
TECHSTORM

# Wikidata: Usage

schilderij [ bewerken | brontekst bewerken ]

afbeelding	Article	RKDimages-identificatiecode	datum van oprichting of creatie	collectie	inventarisnummer	beeldt af	eigendom van	catalogusnummer	genre	gebruikt materiaal	
	<i>Bleekveld</i>		1640s	particuliere verzamening	144	bleekweide man cottage watergang blekerij		10 05	landschapschilderkunst	olieverf	
	<i>Jager in een bos</i>		1640s	particuliere kunstverzameling				402	landschapschilderkunst	olieverf	
	<i>Farm and Hayrick on a River</i>	250233	1640	Detroit Institute of Arts	37.21						
	<i>Duinlandschap met hut</i>	1002	1716	Eus Huis Museum	108	duin man cottage		884a dub136 544	landschapschilderkunst	olieverf	92034/GVNR_C_FHM01_OS_

Saturday morning:

Workshop Listeria

by Edoderoo



# Wikidata: Usage

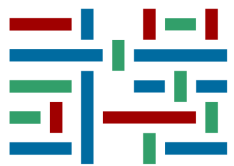


# Wikidata: Usage

Saturday morning:

Workshop creating  
maps

by OlafJanssen



WIKI  
TECHSTORM

# Wikidata: Usage

Use your imagination!

# Wikidata: Advice

Provide references to your information.

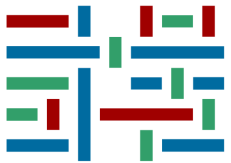
Wikimedians don't believe your blue eyes

# Wikidata: Advice

Provide references to your information.

Wikimedians don't believe your blue eyes; they prefer sources.

Reliable sources...



WIKI  
TECHSTORM



# Wiki Techstorm programme

After this introduction, tea and coffee are served in the hall way.

You are welcome to visit Borneo 1 and see what tasks can be picked up by you.

Mentors are available for any questions about the tasks.



# Wiki Techstorm programme

Enjoy contributing!



# Wiki Techstorm programme

Images:

- Queen Maxima Máxima Zorreguieta: CC0, RVD, Jeroen van der Meyde (oktober 2015)
- Nijlânnermolen Workum: CC0, Gouwenaar (15 augustus 2011)
- Map of Dutch public libraries: CC-BY-SA, OlafJanssens (2019)
- Wordclouds: CC-BY-SA, RonnieV (2019)
- Screen captures: CC-BY-SA, Wikidata/Wikipedia (2019)

