

Crazy about
(OpenStreet)Mapping



What is OpenStreetMap?

BeCentral

Go



Search Results



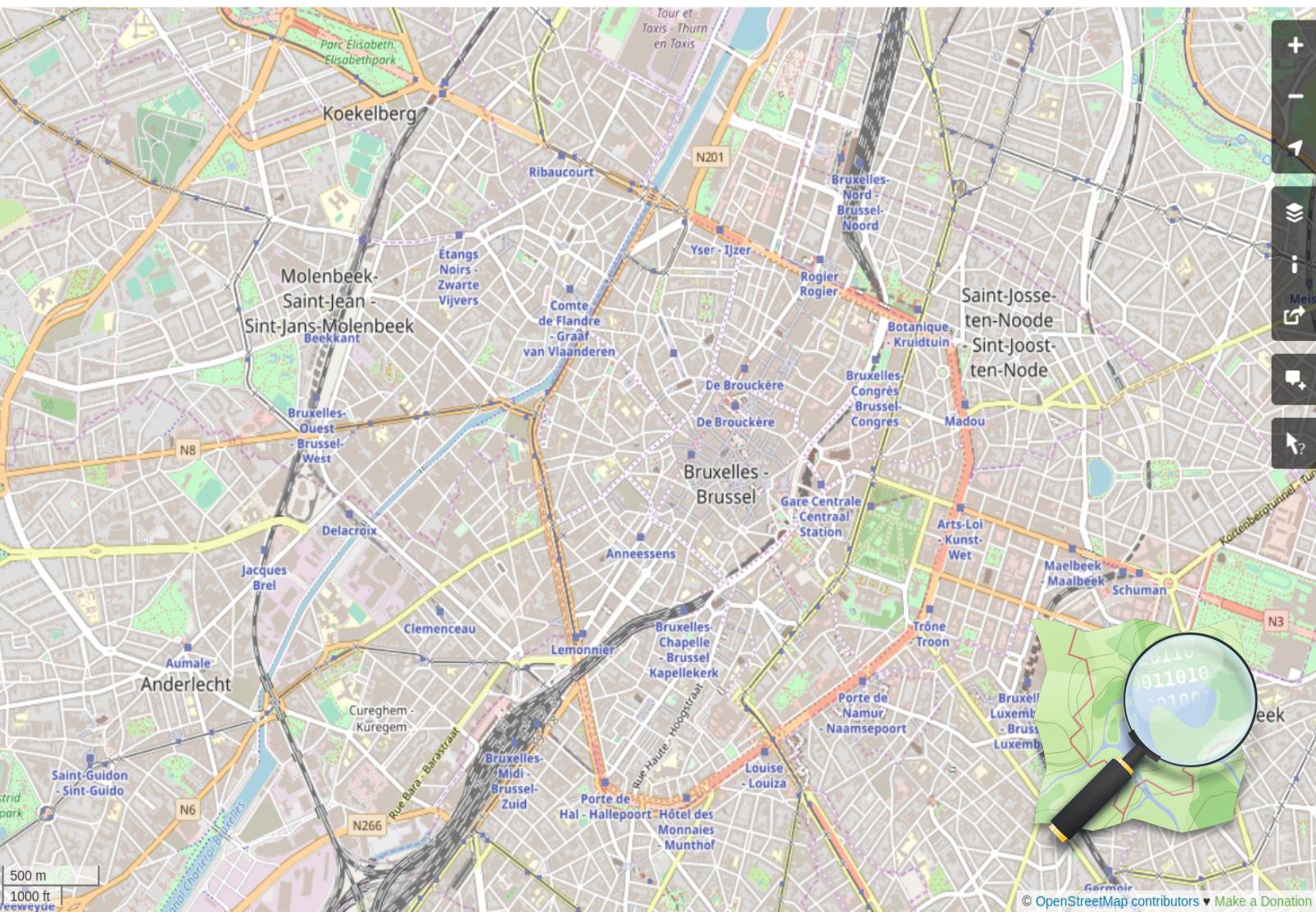
Results from OpenStreetMap Nominatim

Coworking space BeCentral, 10, Cantersteen - Kantersteen, Quartier du Centre - Centrumwijk, Brussels, Ville de Bruxelles - Stad Brussel, Brussels-Capital, 1000, Belgium

[More results](#)

Results from GeoNames

No results found





9, Elf-Julistraat, Brugge-Centrum, Brugge, Bru



Station Brugge, Stationsplein, Brugge-Centru

Car (OSRM)

Go

[Reverse Directions](#)

Directions

Distance: 3.1km. Time: 0:08.

↑ 1. Start on **Elf-Julistraat**

180m

↗ 2. Turn right onto **Koningin Elisabethlaan**
(R30)

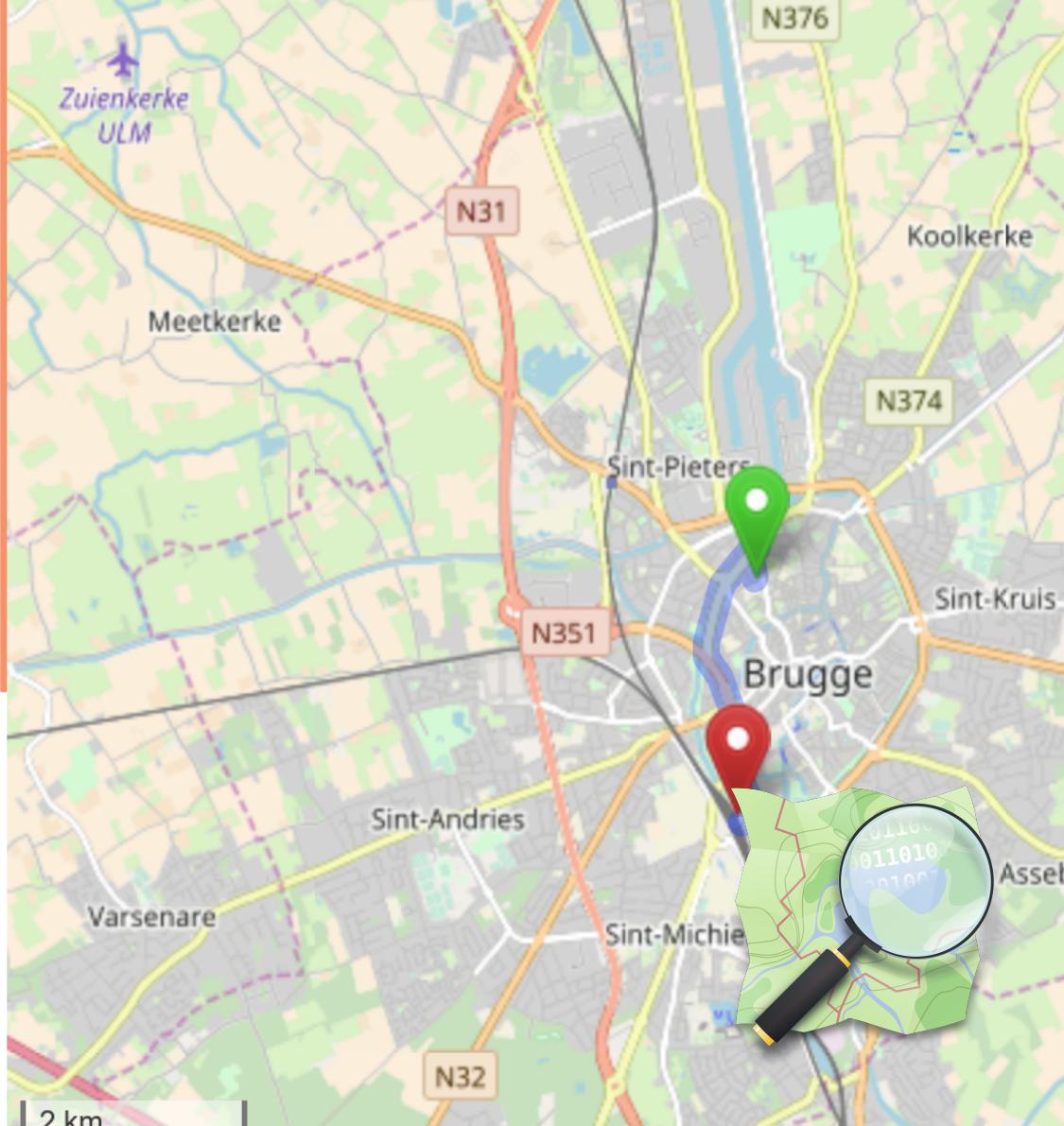
130m

↙ 3. U-turn along **Koningin Elisabethlaan**

400m

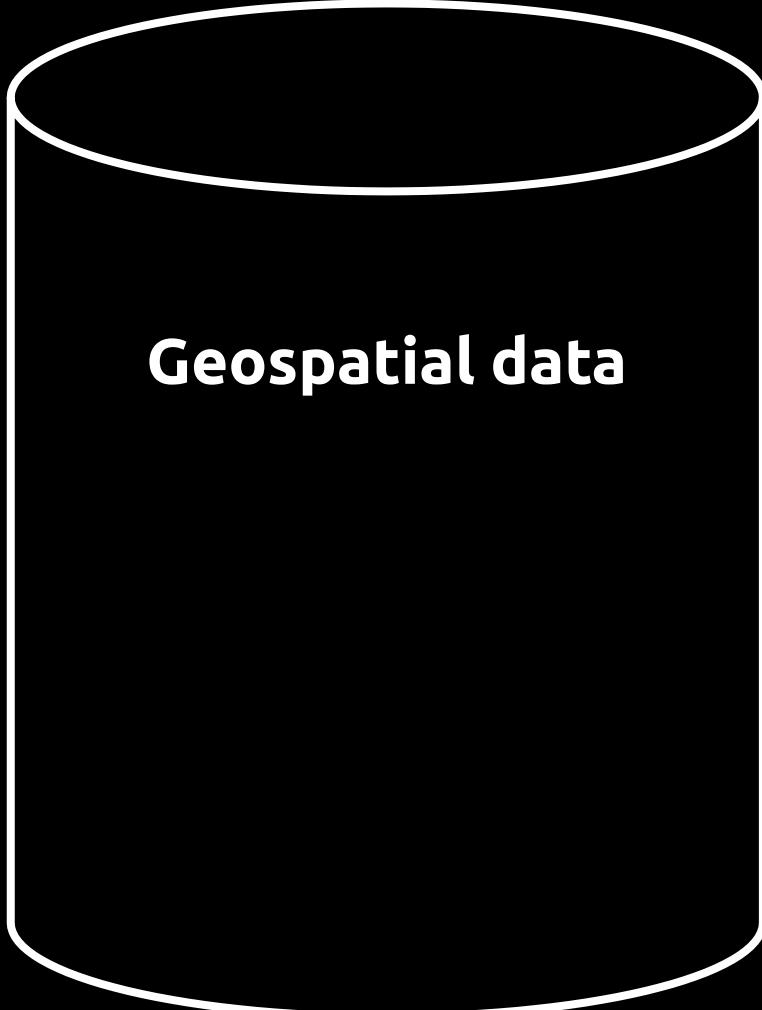
↑ 4. Continue on **Gulden-Vlieslaan (R30)**

700m

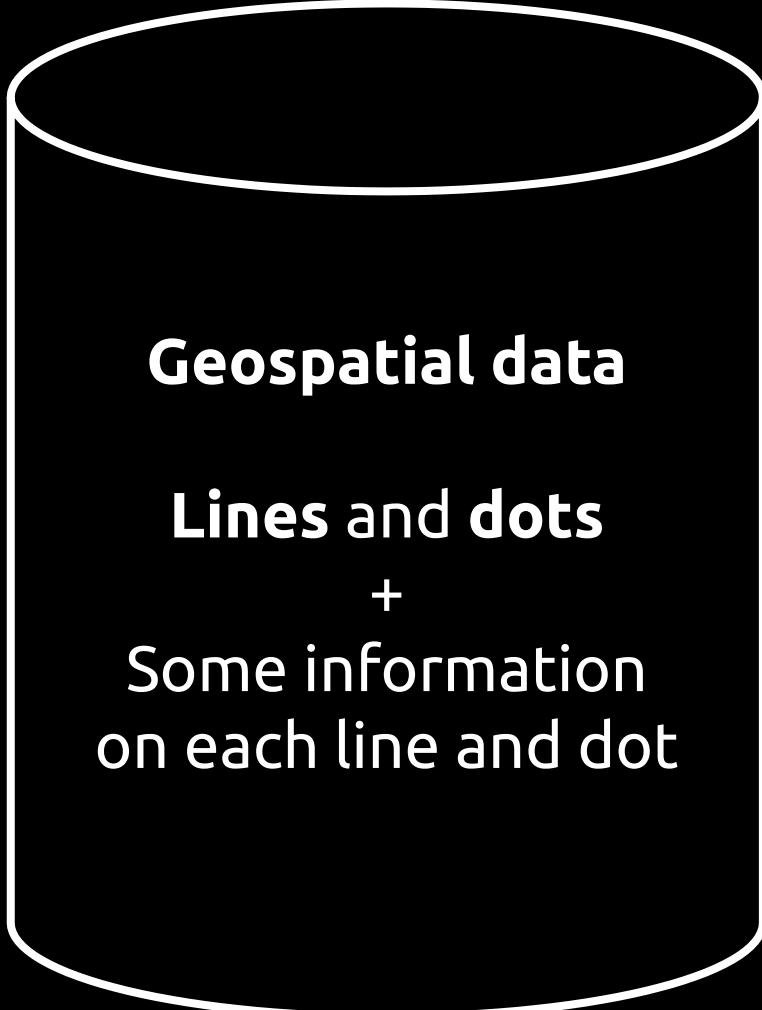




What is OpenStreetMap?



Geospatial data



Geospatial data

Lines and dots

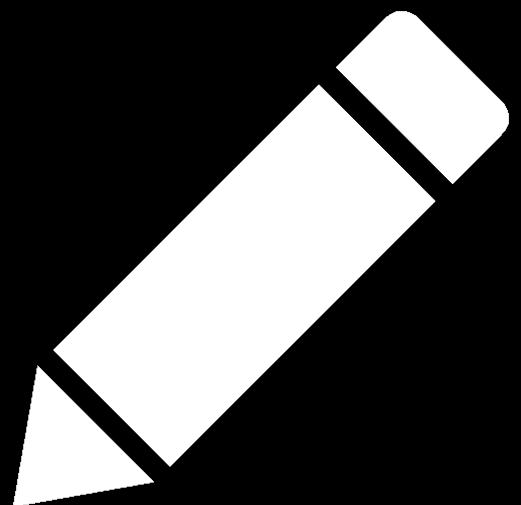
+

Some information
on each line and dot



What is OpenStreetMap?

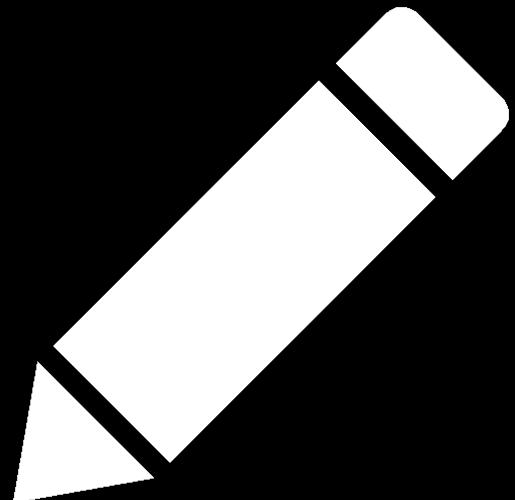
Freedom to add data



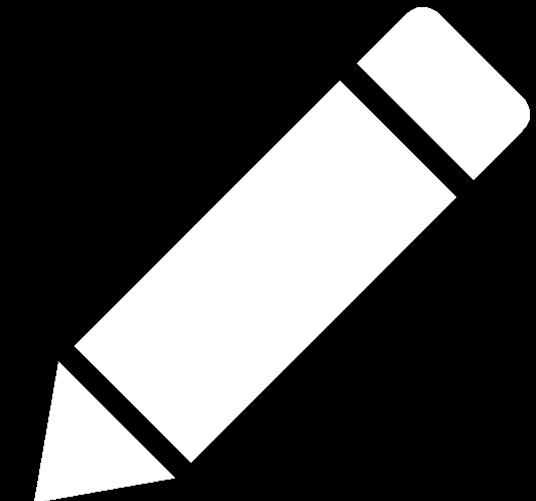
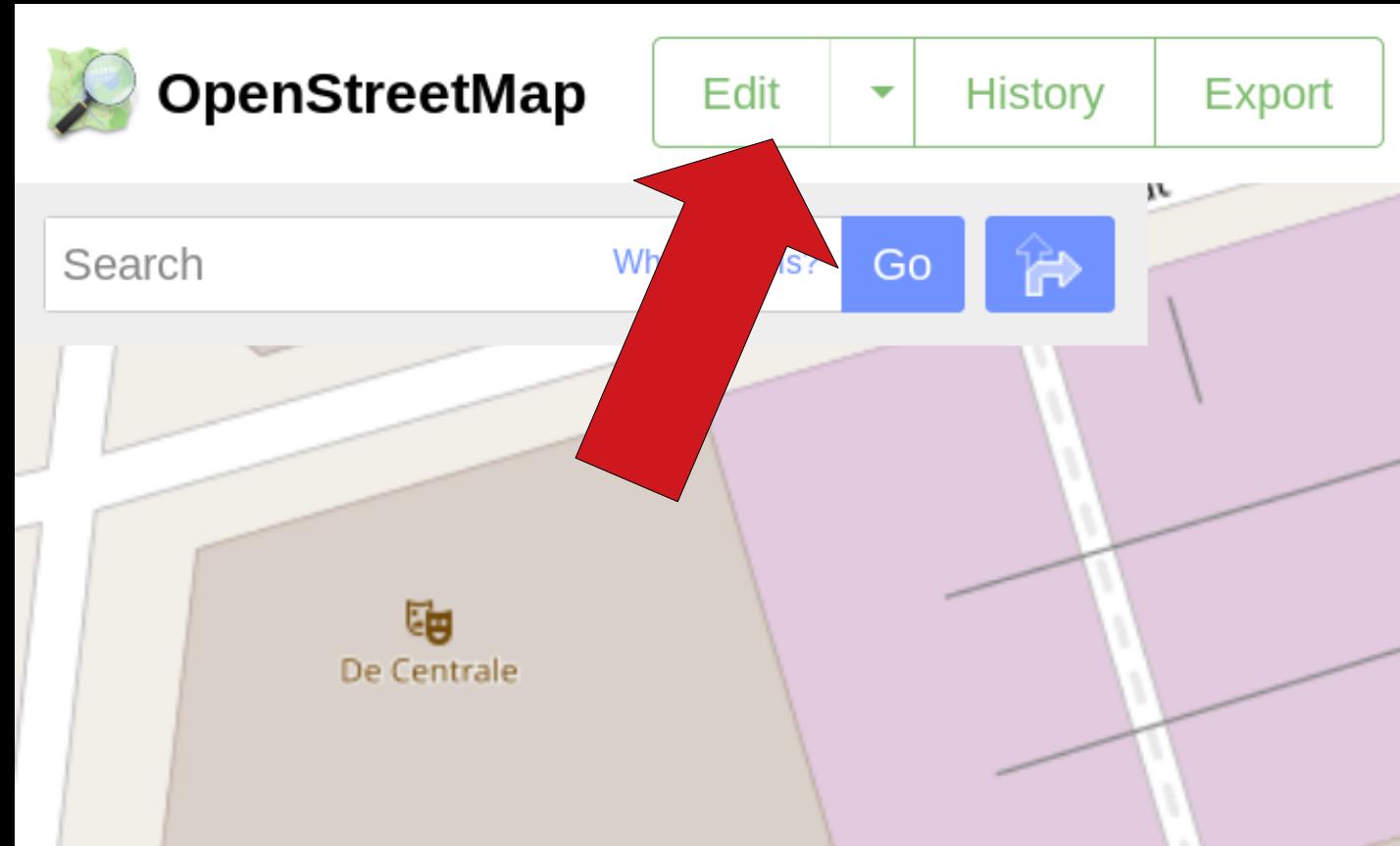
Freedom to add data

- As long as it is *verifiable on the ground*
- As long as it is *somewhat permanent*
- As long as no *copyright* is infringed

Go add your specific needs!



Freedom to add data





What is OpenStreetMap?

Crowdsourced

BeCentral

Go



Search Results



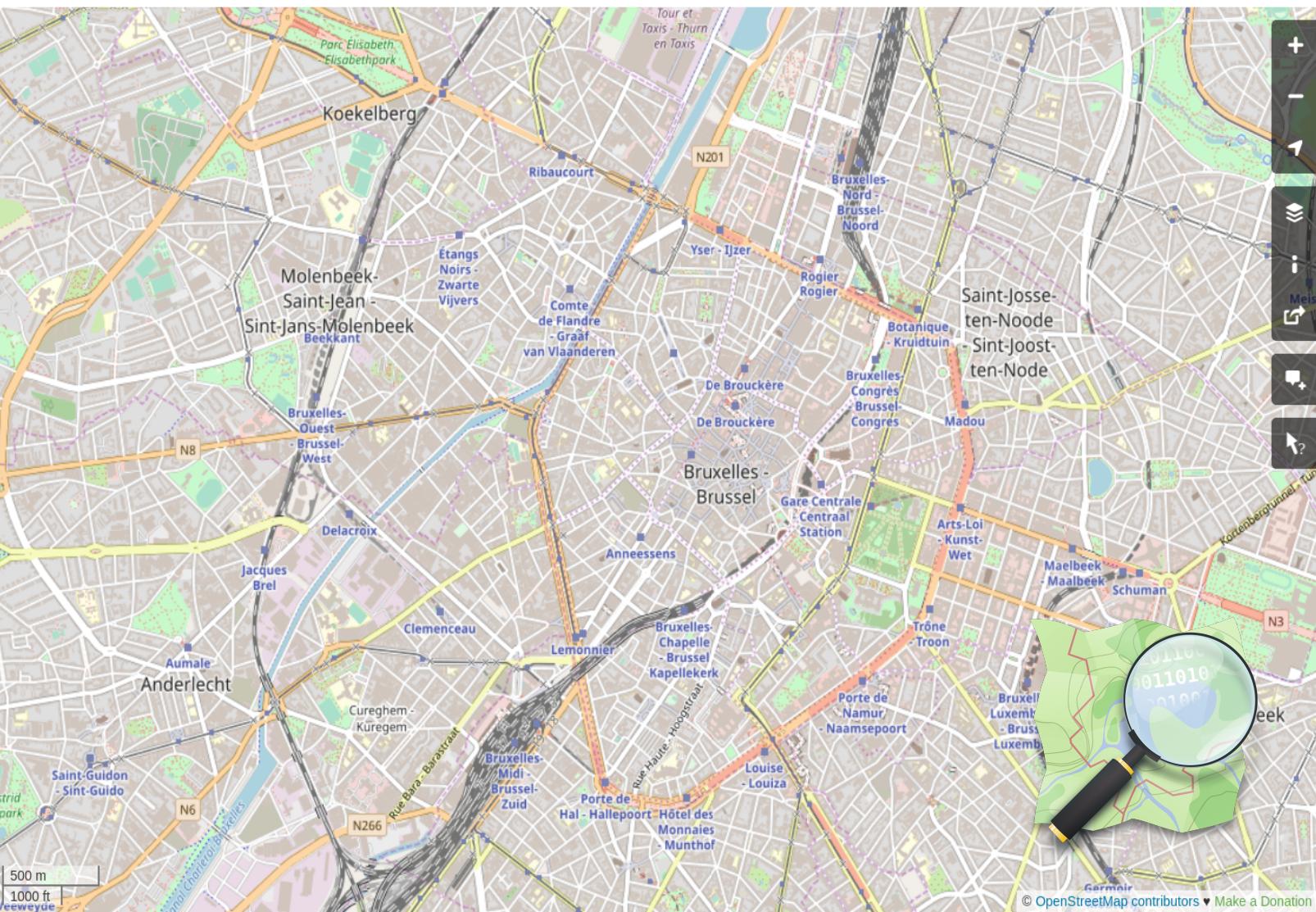
Results from OpenStreetMap Nominatim

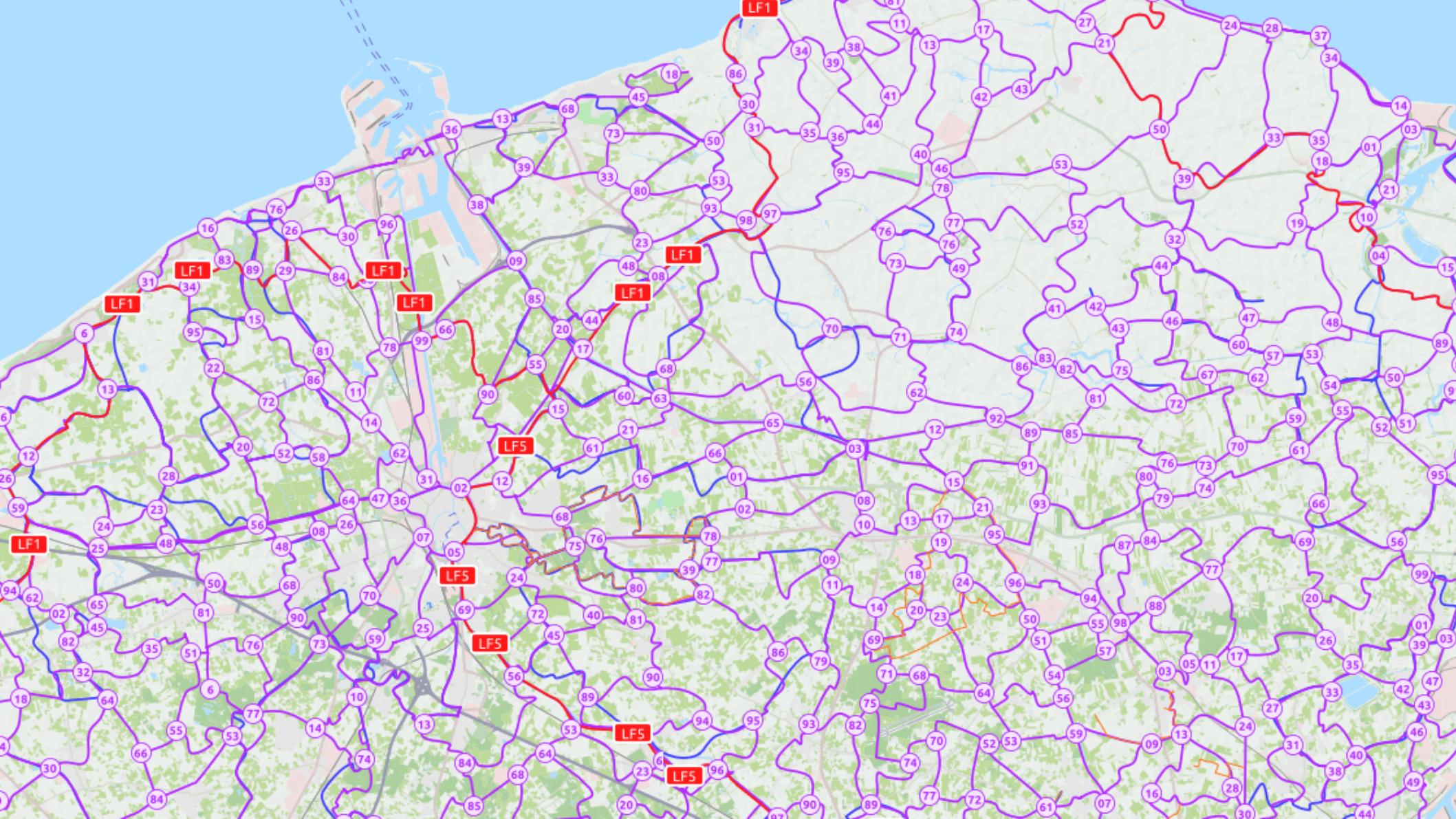
Coworking space BeCentral, 10, Cantersteen - Kantersteen, Quartier du Centre - Centrumwijk, Brussels, Ville de Bruxelles - Stad Brussel, Brussels-Capital, 1000, Belgium

[More results](#)

Results from GeoNames

No results found





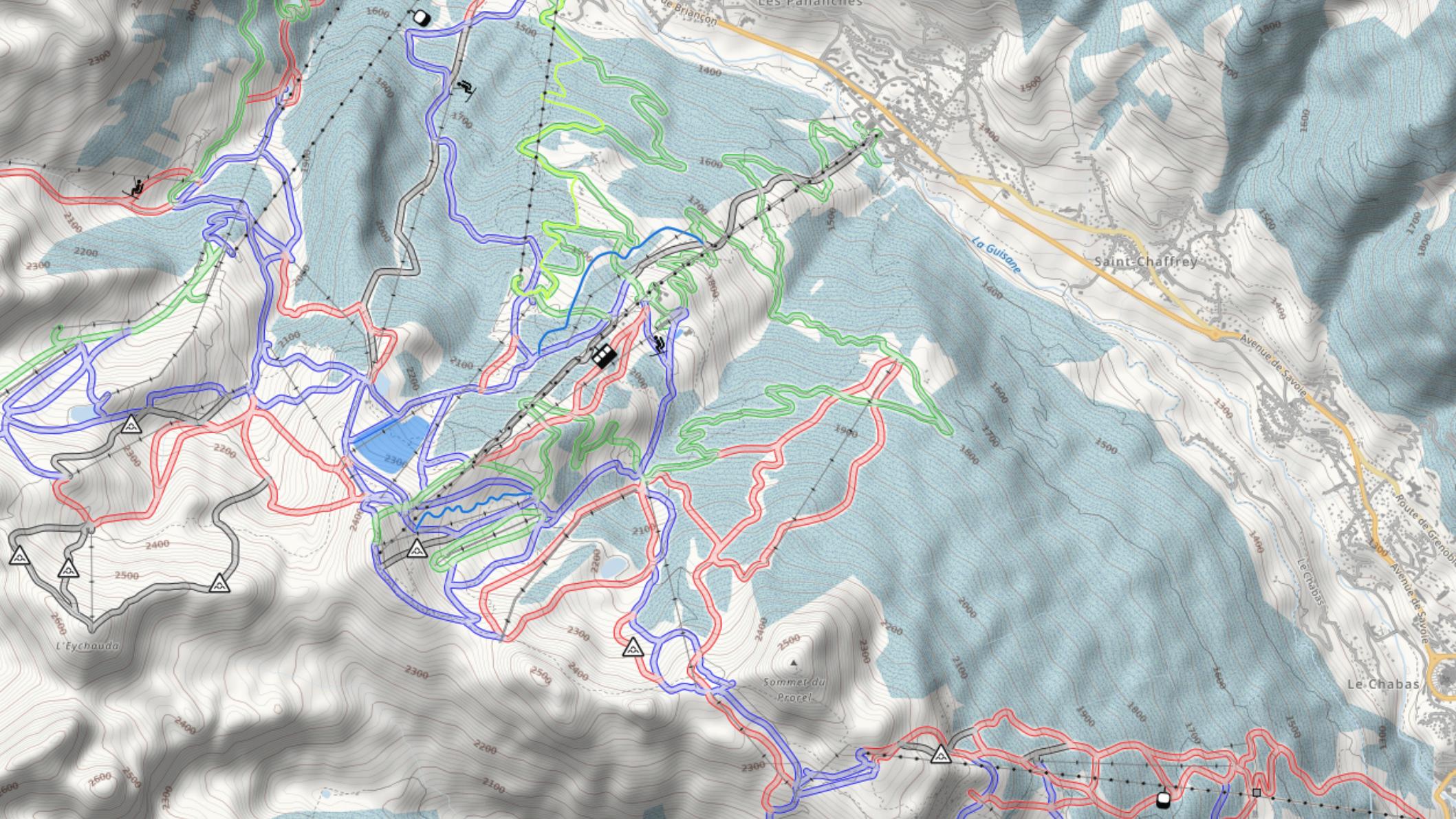




200 m

Centrum-Station

Leaflet © OpenStreetMap contributors Data:ODbL, Map:cc-by-sa



Search:

Brugge

Isola Bella

It's a Wrap! - Page 1

50

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Snagg

216 3.24410

. 51.20323

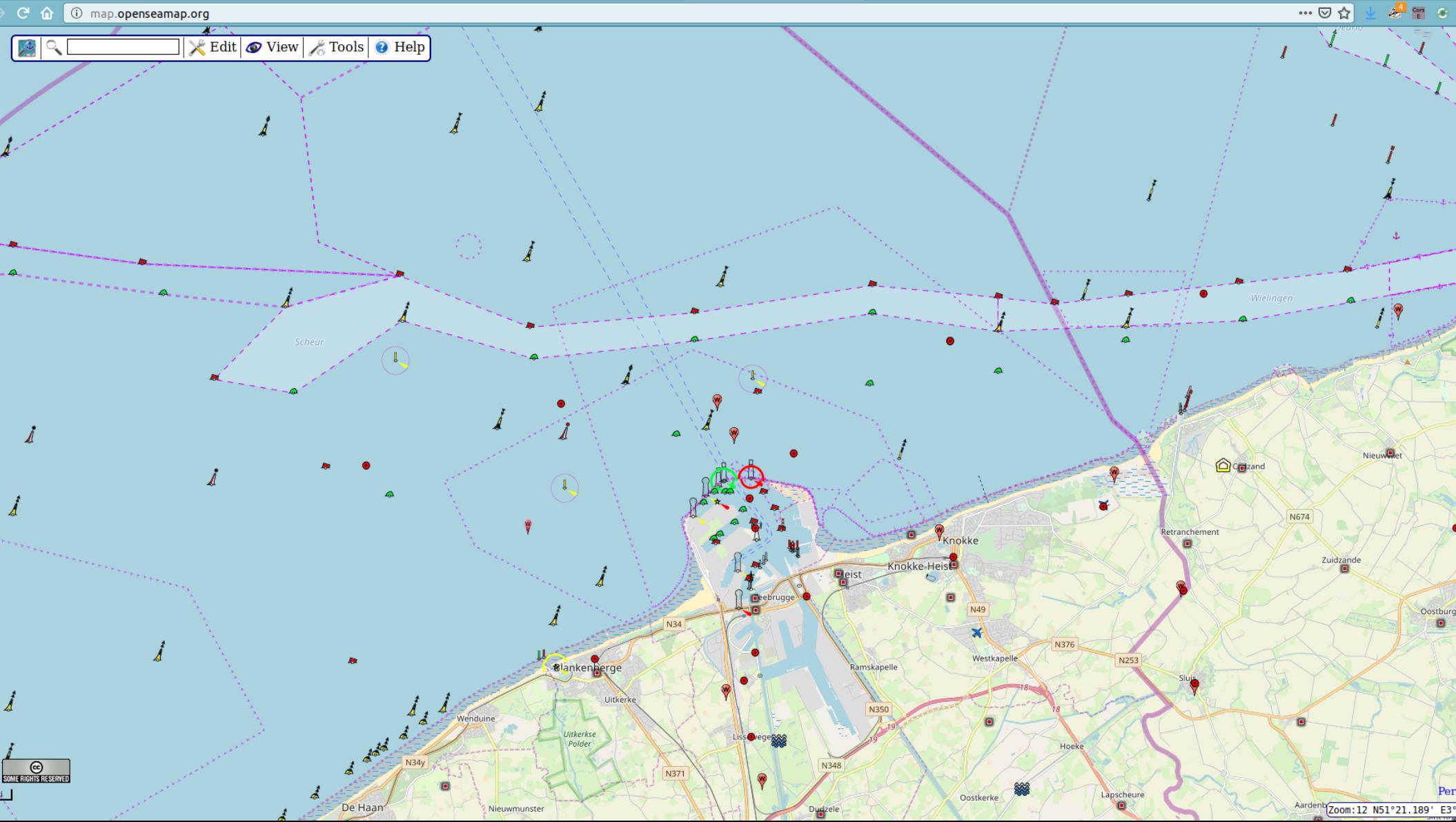
1

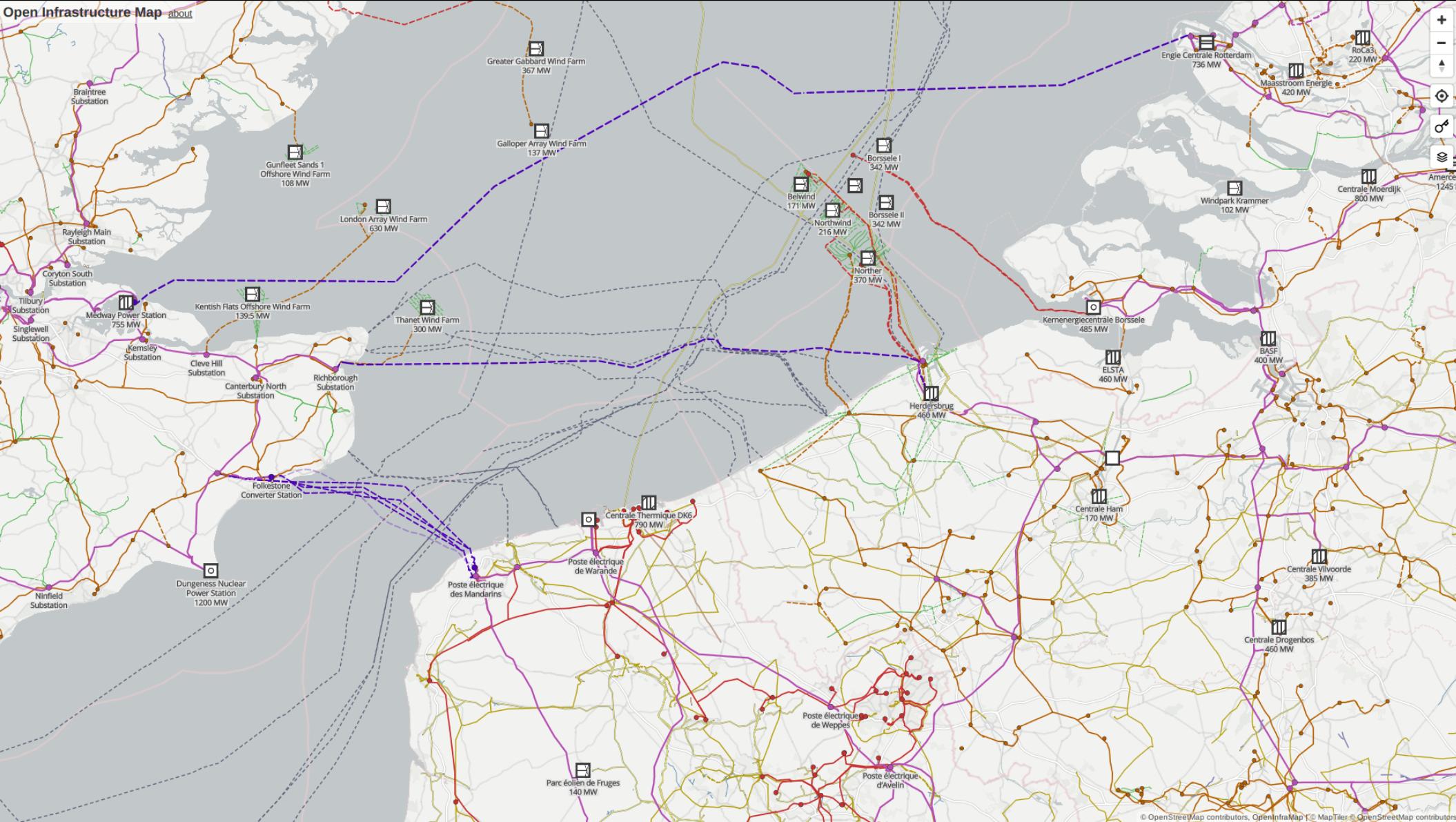
7

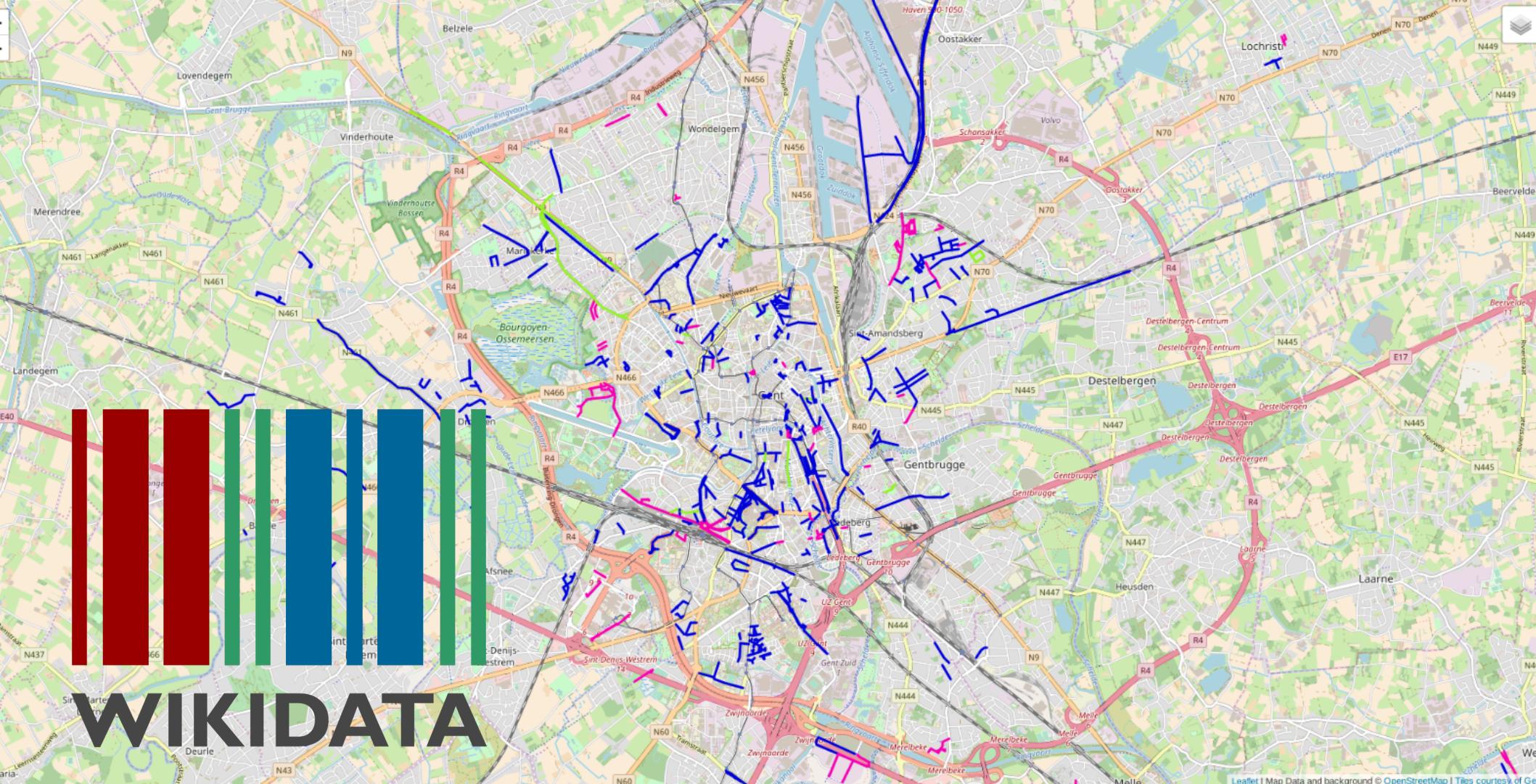
Straat

8

A detailed map of Bruges, Belgium, showing the city's intricate network of canals and streets. The map highlights various landmarks, including the Markt (Market Square), Burg (Burg Square), and several churches like Sint-Andreasinstituut, Sint-Janskerk, and Sint-Baafskerk. Major roads like R30, N32, and N9 are also depicted. The map is color-coded with green for parks and blue for waterways.







male: 1252 (79%)

female: 330 (20%)

known: 142 (Mostly things not named after a human + few cases where gender of the person is not known)





MEDECINS SANS FRONTIERES
DOCTORS WITHOUT BORDERS





Instructions

Entities to map

Buildings and Roads

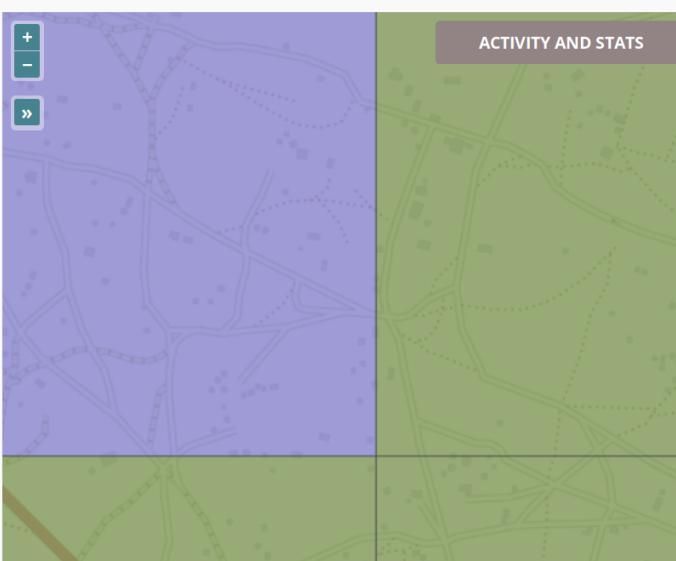
Changeset Comment

#hotosm-project-4341 #MissingMaps #EliminateMalaria #Botswana

Imagery Notes

- Please use Bing Aerial Imagery, which is the newest available imagery.
- Align buildings/infrastructure to the imagery in each task. In some cases, you may move mapped objects to match up other mapping done in the near by areas.

Project Specific Mapping Notes



Saving lives

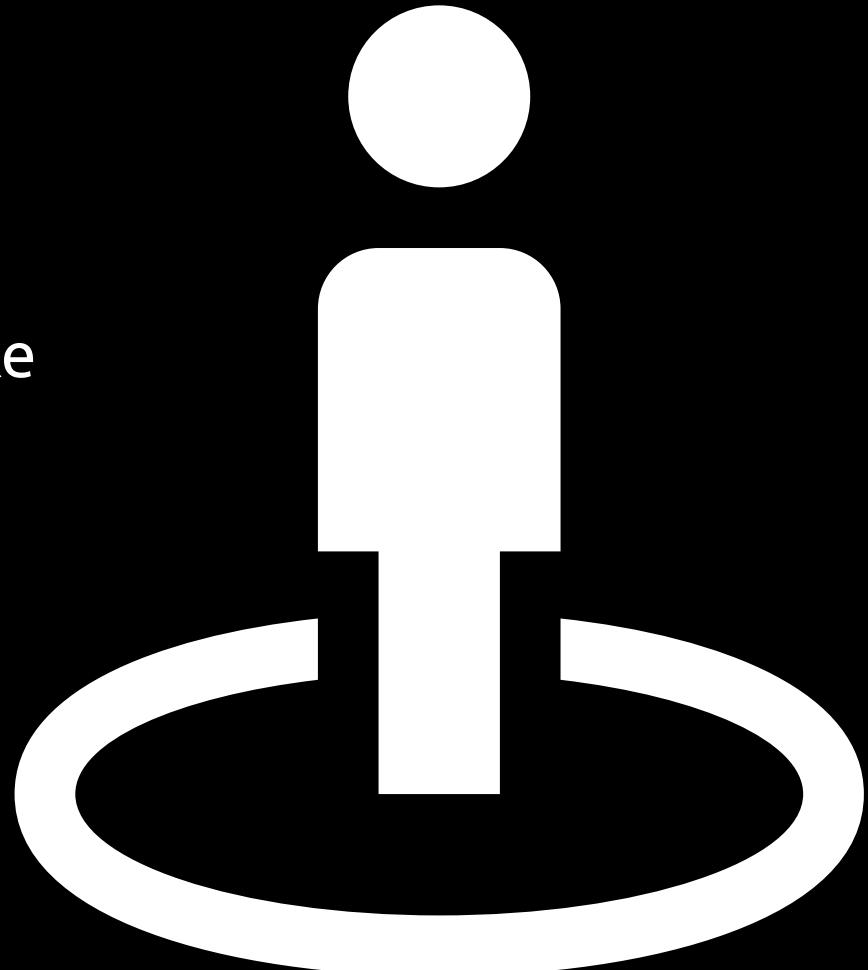


What is OpenStreetMap?

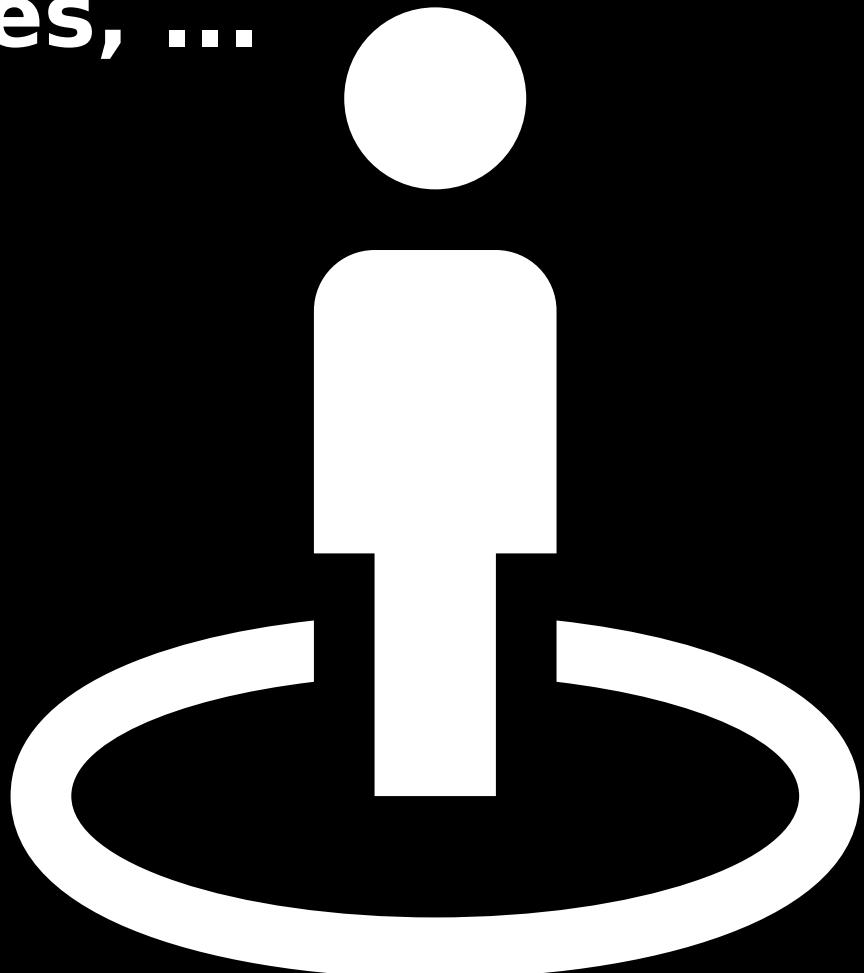
A license: ODbL

Open Database License

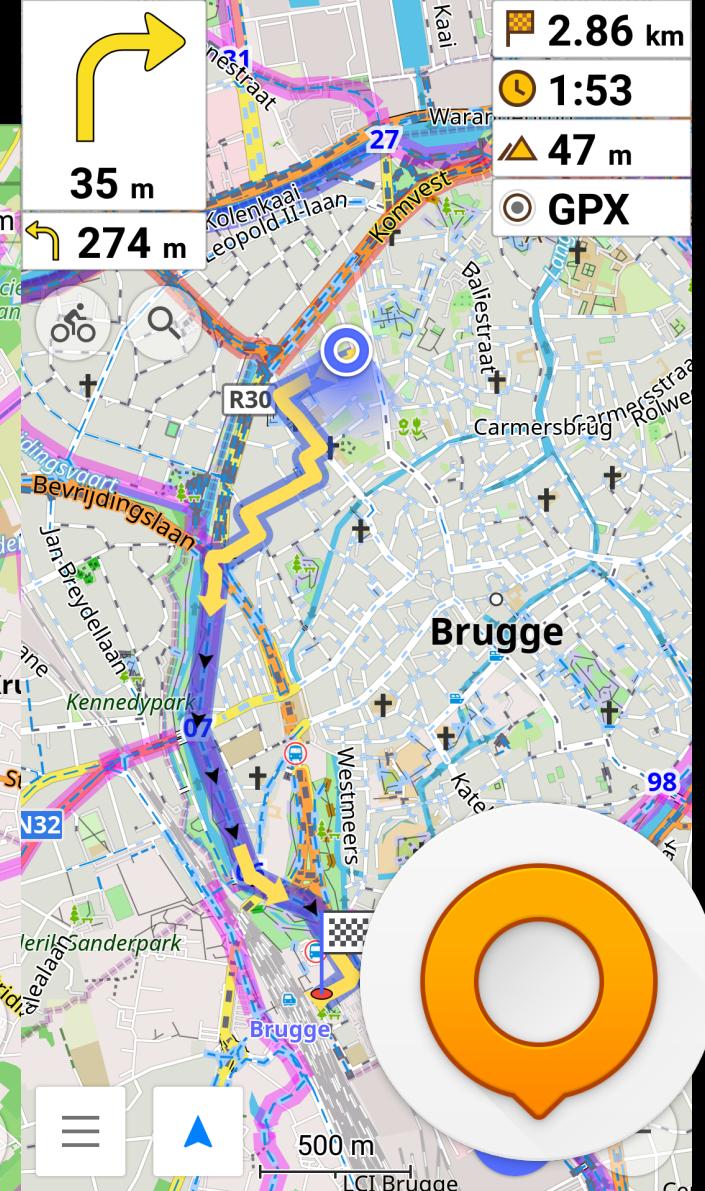
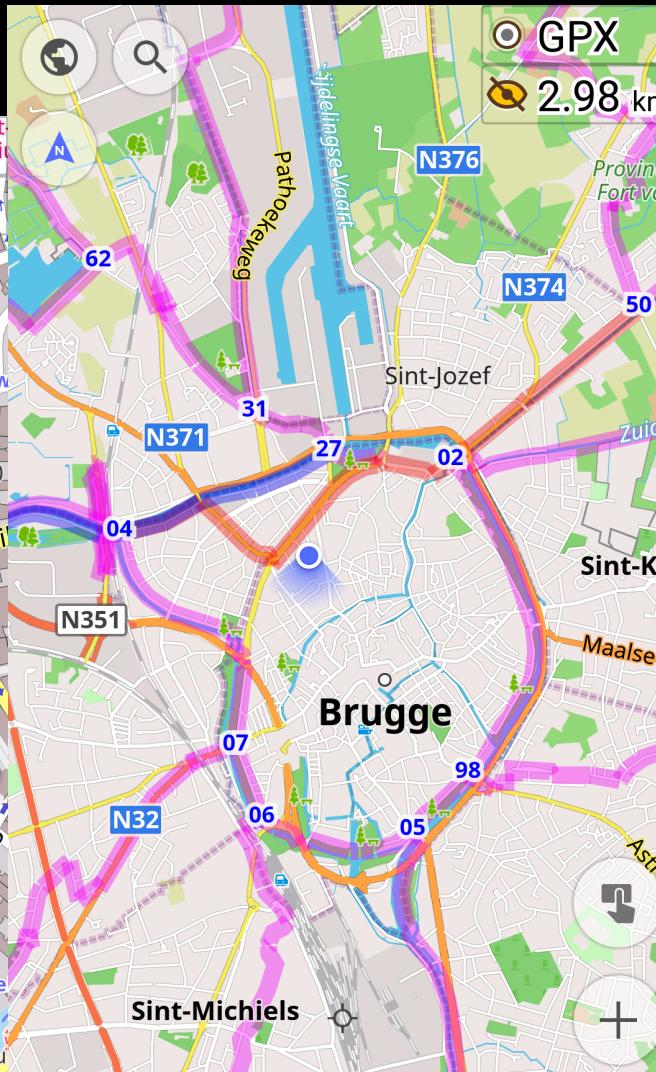
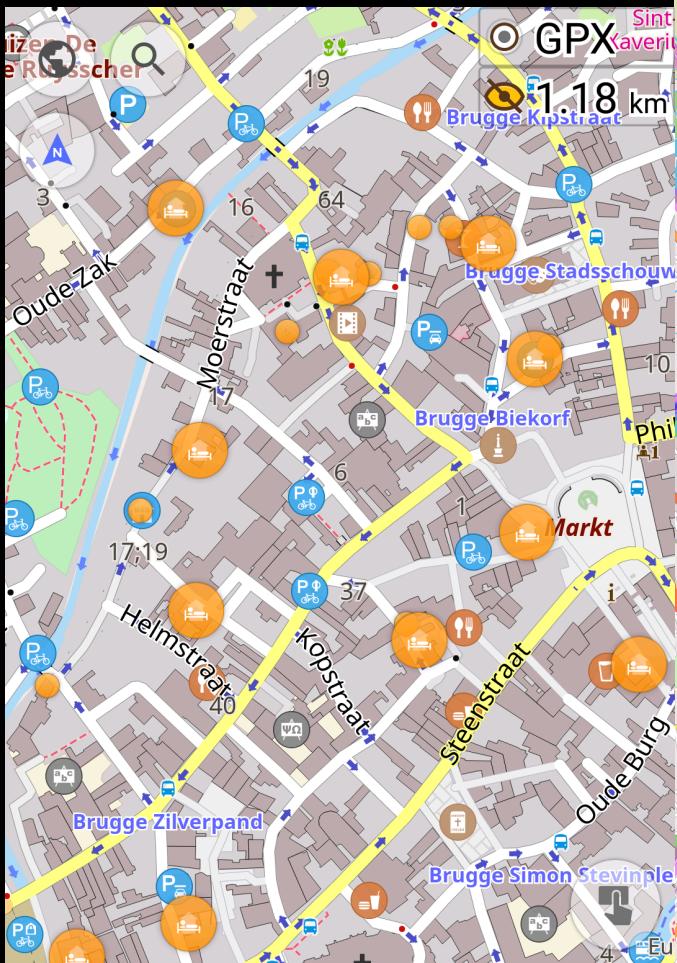
You can use the data how you like
as long as you give **attribution**
and keep the data open



Tons of apps, websites, ...



OsmAnd









Search a place...



3D



<https://demo.f4map.com>

Discover our solutions

10m

F4map © F4 Map data © OpenStreetMap contributors (updated 2 minutes ago) Credits







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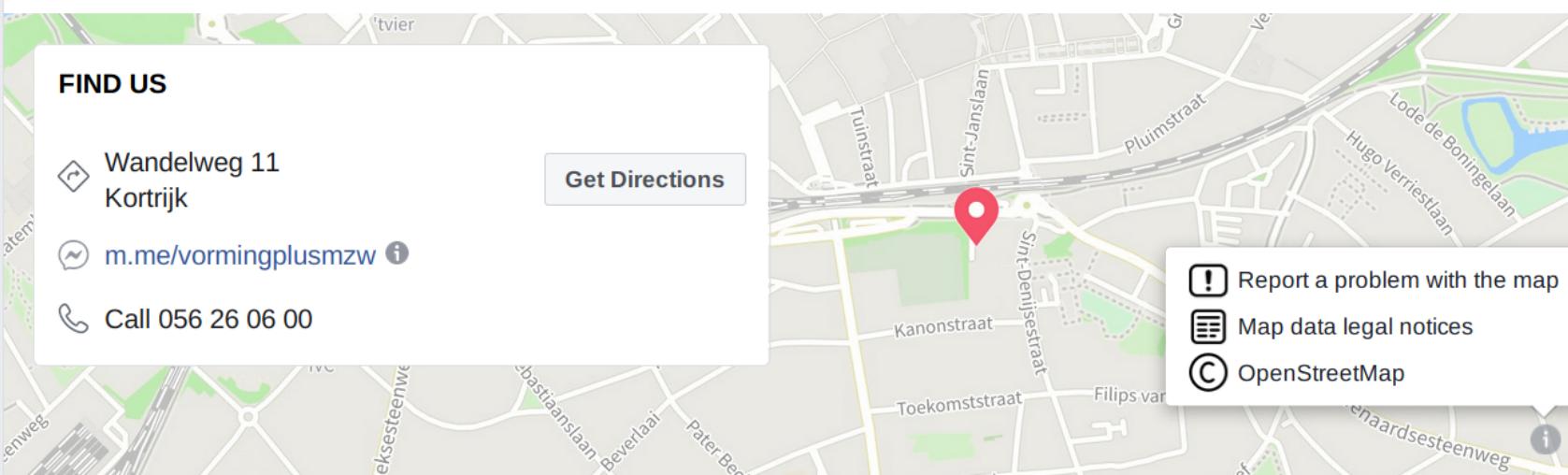
FIND US

Wandelweg 11
Kortrijk

Get Directions

m.me/vormingplusmzw i

Call 056 26 06 00



CULTUUR & MEDIA



OMBUDSMAN

Hoe kaartenmakers soms beslissen in de plaats van journalisten

Tim Pauwels
za 13 apr 2019 08:01

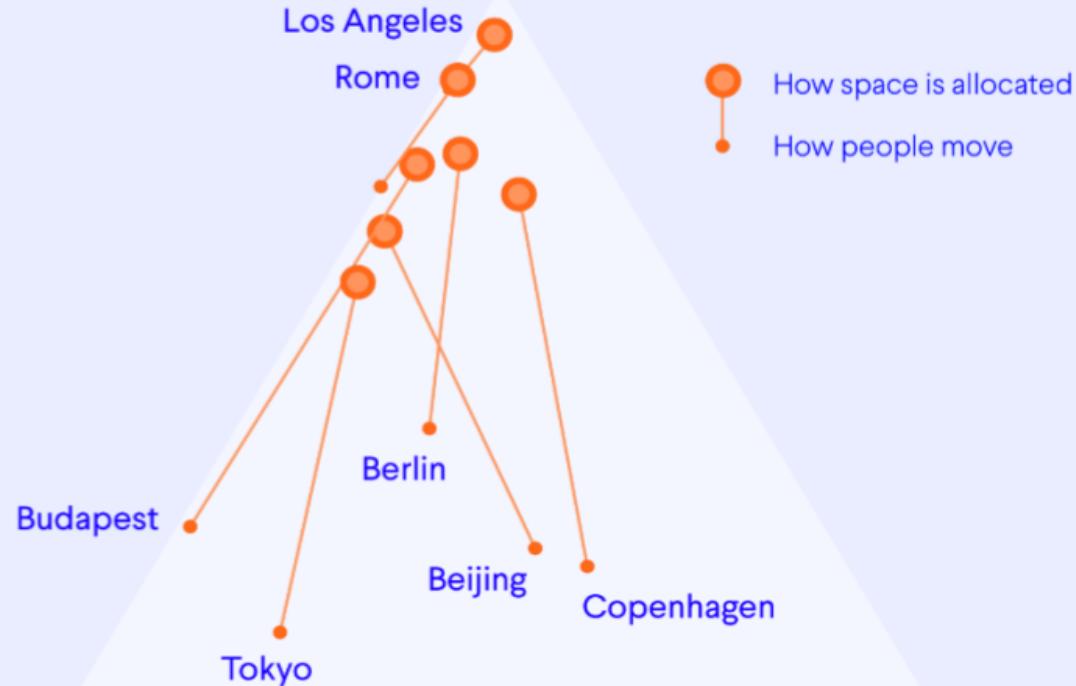


Enkele kijkers en lezers contacteerden me over de kaart van Israël die recent door VRT NWS werd gebruikt. "Zijn de Golanoogten nu ineens gewoon een deel van de staat Israël?"

Meest gelezen

CORONAVIRUS COVID-19

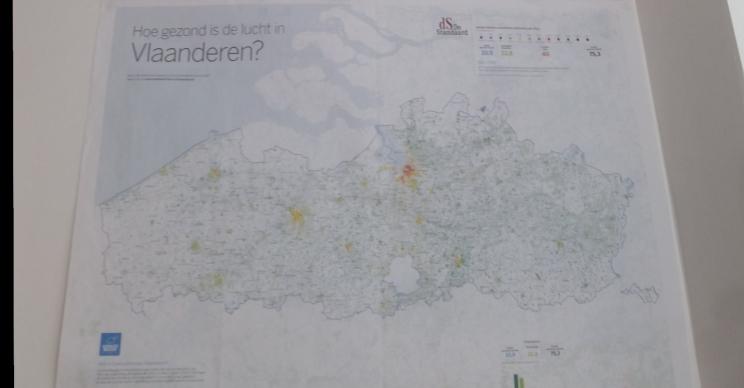
Szell, M. (2018). Crowdsourced Quantification and Visualization of Urban Mobility Space Inequality. *Urban Planning*, 3(1), 1-20. doi: <http://dx.doi.org/10.17645/up.v3i1.1209>



How space is allocated
How people move



Figure 4. The mobility triangle expresses visually the discrepancy between mobility space distribution ("How space is allocated") and modal share ("How people move") as a connected pair of dots in a ternary plot, shown for seven selected cities.





Trage
wegeñ
vzw





Pretty damn cool



What is
OpenStreetMap
NOT?

When did you last use a map?

- Which map was it?
- Why?
- How much did you pay to use it?

Price of maintaining a map

Google Maps costs around
??? dollar/year



Price of maintaining a map

Google Maps costs around
1 '000'000'000 dollar/year

(This number is a rumor, no official sources exist)



Price of maintaining a map

Google Maps costs around
1 billion dollar/year

(This number is a rumor, no official sources exist)



Price of maintaining a map

**Google Maps costs around
1 billion dollar/year**

(This number is a rumor, no official sources exist)

Buying and creating satellite and map data
Google Streetview costs \$200 'till \$1150/km
Google bought Waze for 1.1 billion dollar



Price of maintaining a map

Similar amounts for other services

Google bought Waze for 1.1 billion dollar

Nokia bought Navteq for 8 billion dollar
and 'burns' 1 billion a year

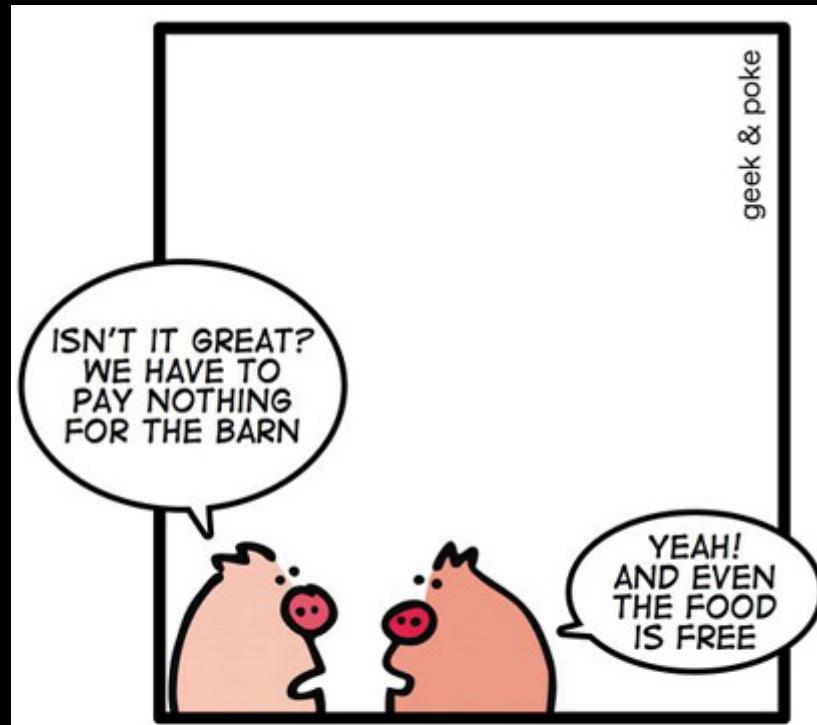
Apple maps burns around 1 billion dollar/year

<http://www.asymco.com/2012/12/18/how-much-to-maps-cost-and-what-are-they-worth/>



How much did you pay?

There is no such thing as free lunch

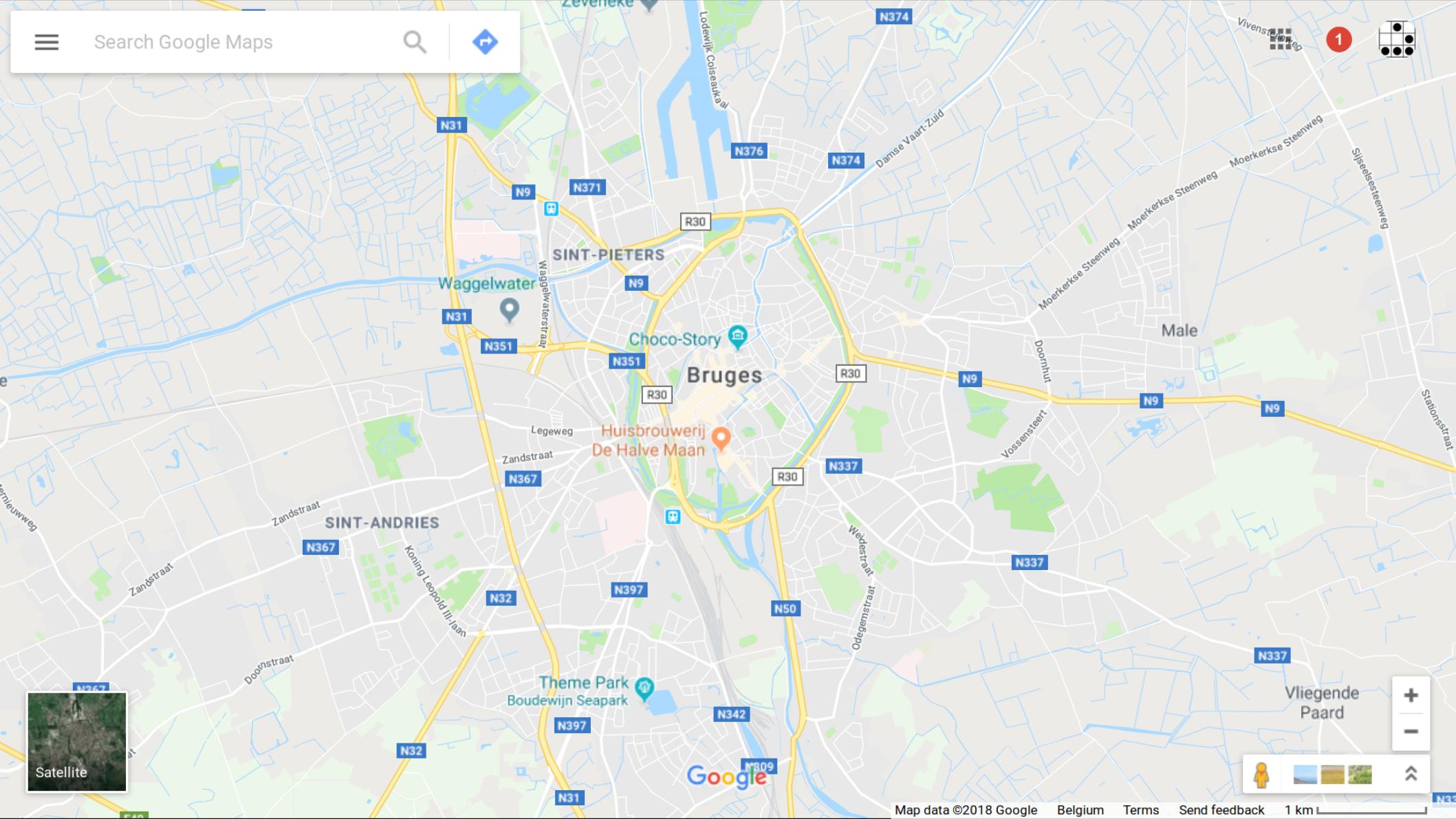




Search Google Maps



1



Satellite



Map data ©2018 Google

Belgium

Terms

Send feedback

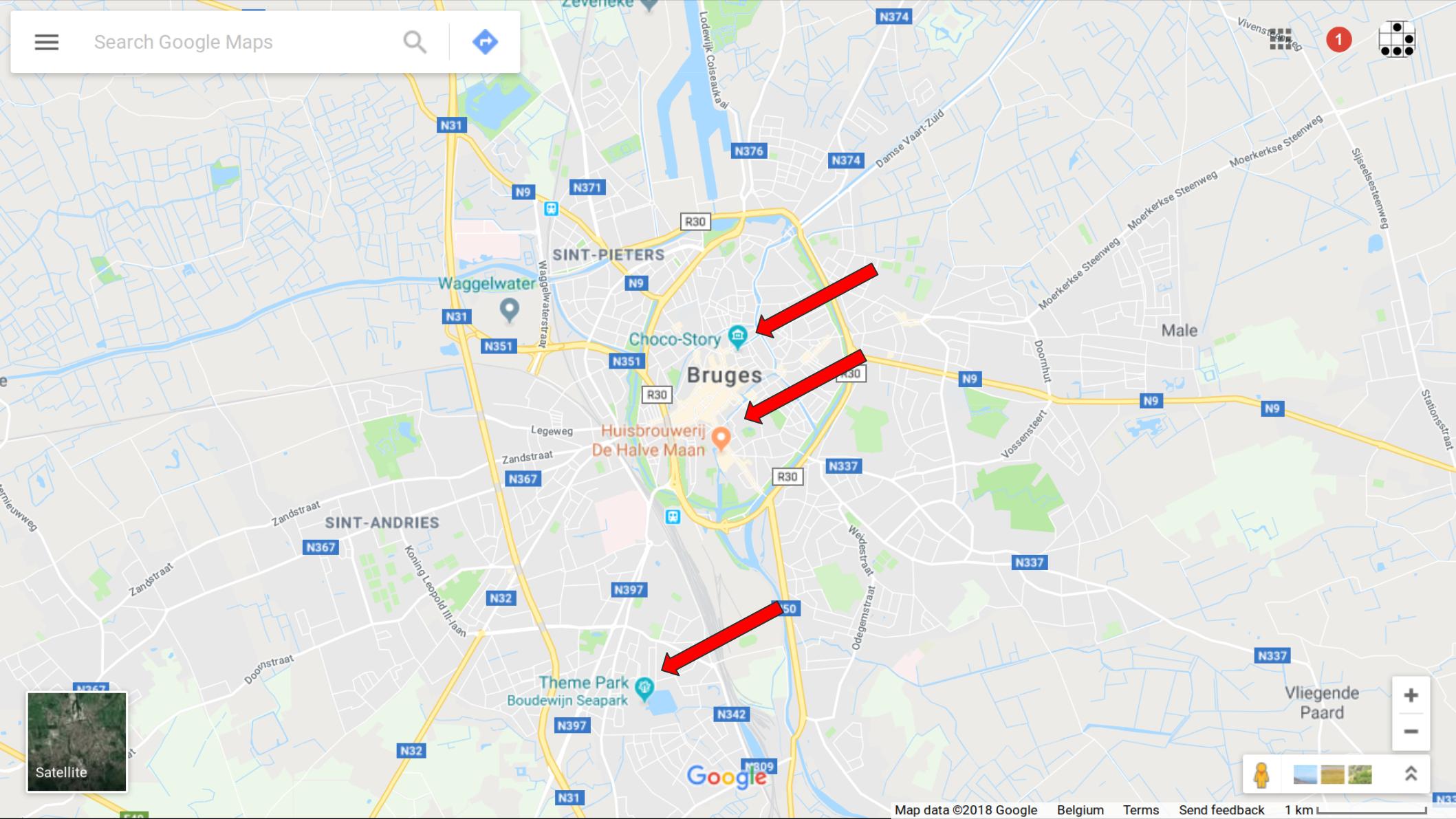
1 km



Search Google Maps



1



Satellite



Map data ©2018 Google

Belgium

Terms

Send feedback

1 km

Google Maps is advertising

Google makes money by

- placing ads on the map
- giving some venues more priority in search

No incentive to map poor countries

“Google Maps only works within 100 miles of a starbucks”

Google Maps is tracking

Google tracks your searches and location through maps,
under the guise of features

“Share your location”, “Find my phone”, “Where am I?”

Very valuable information

- Better ads
- How effective is an ad pin?
- ...

Google Maps is a monopoly

- Little incentive for other companies to provide cartography services, cause 'google maps is free anyways' - the consumer
- You can look to it, but not reuse anything
- Google Maps uses lock-in-tricks
 - Sudden price hike for devs (1th may 2018)
 - Death by a thousand papercuts



... but

- Google Maps *does* have more information on shops and businesses because everyone searches them there

(It's even worse – a shop *not* on Google "does not exist")

but this is changing!



... but

- Google Maps *does* have more information on shops and businesses because everyone searches them there

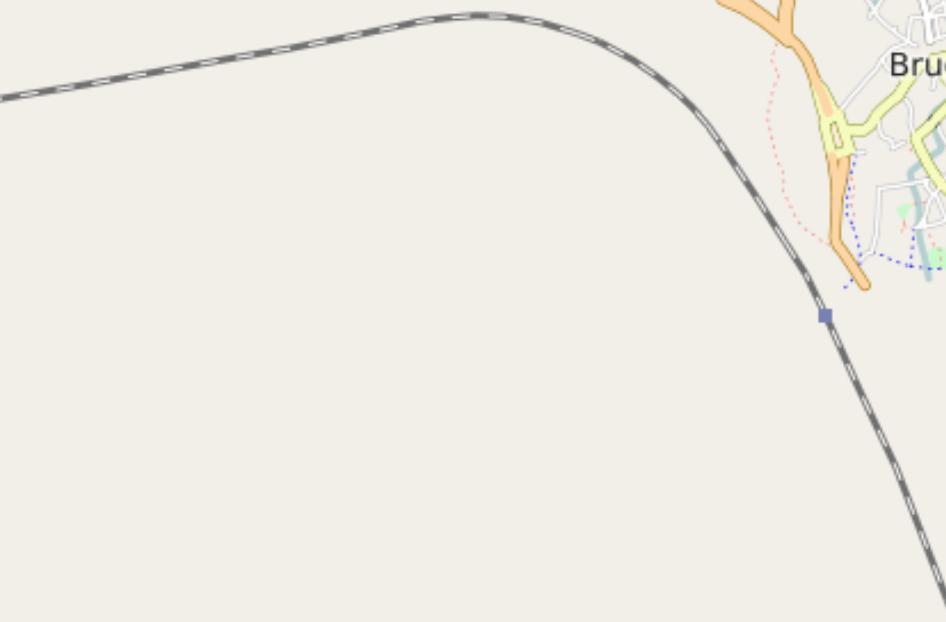
(It's even worse – a shop *not* on Google "does not exist")

but this is changing!

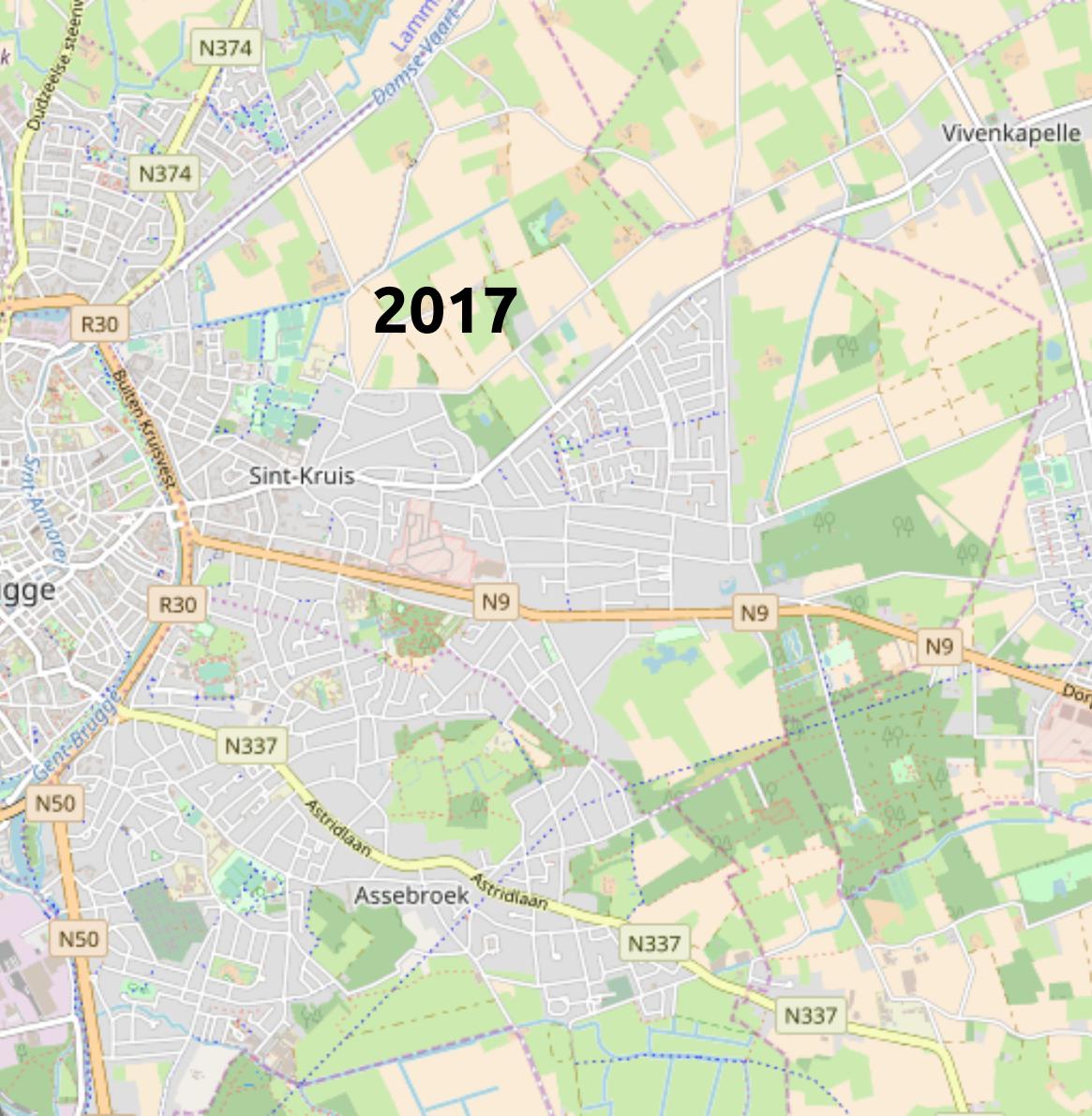


OSM is catching up!

2007



2017



OSM is truly free

Free as in beer*

Free as in freedom

However, if you can afford it, donate back

- Money for the server
- Data – contribute yourself
- Love – use it on the road and in your projects
- Users – spread the word

*There are commercial, paid solutions too for heavy map users

However, as there are multiple players, it is affordable



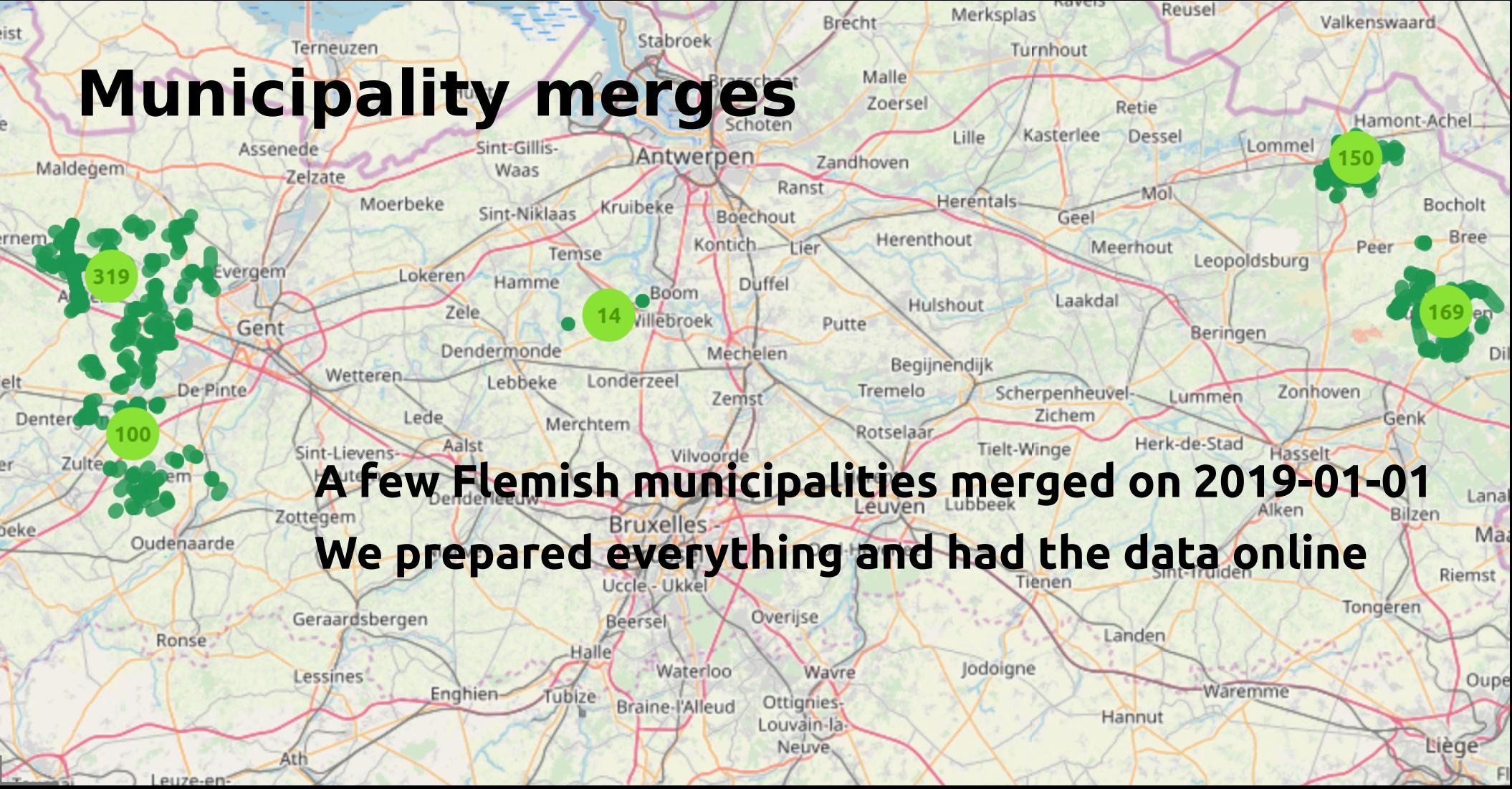


What is OpenStreetMap?



Community

Municipality merges



The Belgian community does stuff

- Find us on [meetup.com](#)
- Talk to us on [riot.im](#) (OSMBE - community)
- Donate so we can buy 360° camera's, stickers, vests, servers, ...
- Help our projects (map historical data, public bookcases, ...)

Osm.be





What is OpenStreetMap?

Mobilité - Forest

Cette carte reprend toutes les informations relatives à la mobilité à Forest.
11.531 weergaven
[DELEN](#)

- Vélo / Fiets - parkings
- Vélo / Fiets - Stations de réparation / r...
- Station Mystère
- Station Van Haelen
- Station Saint-Denis / Sint-Denijs
- Station Bempt
- ... Nog 6 meer
- Villo
- Voitures partagées
- Zone 30

Services vélo à BXL | Fietsdienst...

177 weergaven
Alle wijzigingen opgeplaatst in Drive

Laag voorveiligheid Delen Voorbeeld weergeven

BUY A SECOND-HAND BIKE individuele stijlen

Best Bike Brussels Best Bike BXL CityBike Cyclo Atelier Cyclo Bokstaal Cyclo Atelier Bockstaal Doner Bikeane Hot Wheelz - 55 Bike distribu... La Pouderie ASBL / Emmalaas Magic Vélos QONAKOM Velofixier vélosofiet

BUY A NEW BIKE individuele stijlen

Ahooga House Mountain Cycles Bike Avenue Blikonet Best Bike Brussels Au Guilde Vert Cyclo Europe

HOME

TOT UW DIENST

A > Z

- Aanvragen en documenten
- Bouwen en renoveren
- Duurzame ontwikkeling
- Leefmilieu
- Energie
- Handel
- Huisvesting
- Kinderen
- Mobiliteit**
- Onderwijs
- Openbare reinheid
- Openbare ruimte
- Sociaal
- Tewerkstelling

“In het kader van Fietsplan Brugge zetten we prioritair in op verbeterde fietsinfrastructuur door meer **veiligheid en comfort** te creëren. Op die manier kunnen we meer fietsers aantrekken op Brugs grondgebied”, zegt schepen van Mobiliteit Annick Lambrecht.

“We nemen dus initiatieven om het fietsen aangenamer en aantrekkelijker te maken. De aankoop van nieuwe publieke fietspompen, **bovenop de acht al geplaatste fietspompen**, passen perfect in de uitvoering van dit plan.”

De nieuwe fietspompen komen aan:

- Jeugdcentrum Entrepot (Sluisstraat)
- station kant Sint-Michiels (plein balkonrotonde)
- Ezelpoort
- station Zeebrugge-dorp
- Waggelwaterstraat (industrieterrein Waggelwater)
- kruising van de Noorse kai met de Jules van Praetstraat (Damse Vaart, stopplaats Lamme Goedzak).

U bent hier: Home / Tot uw dienst / Mobiliteit / Met de fiets / Openbare fietspompen

Openbare fietspompen

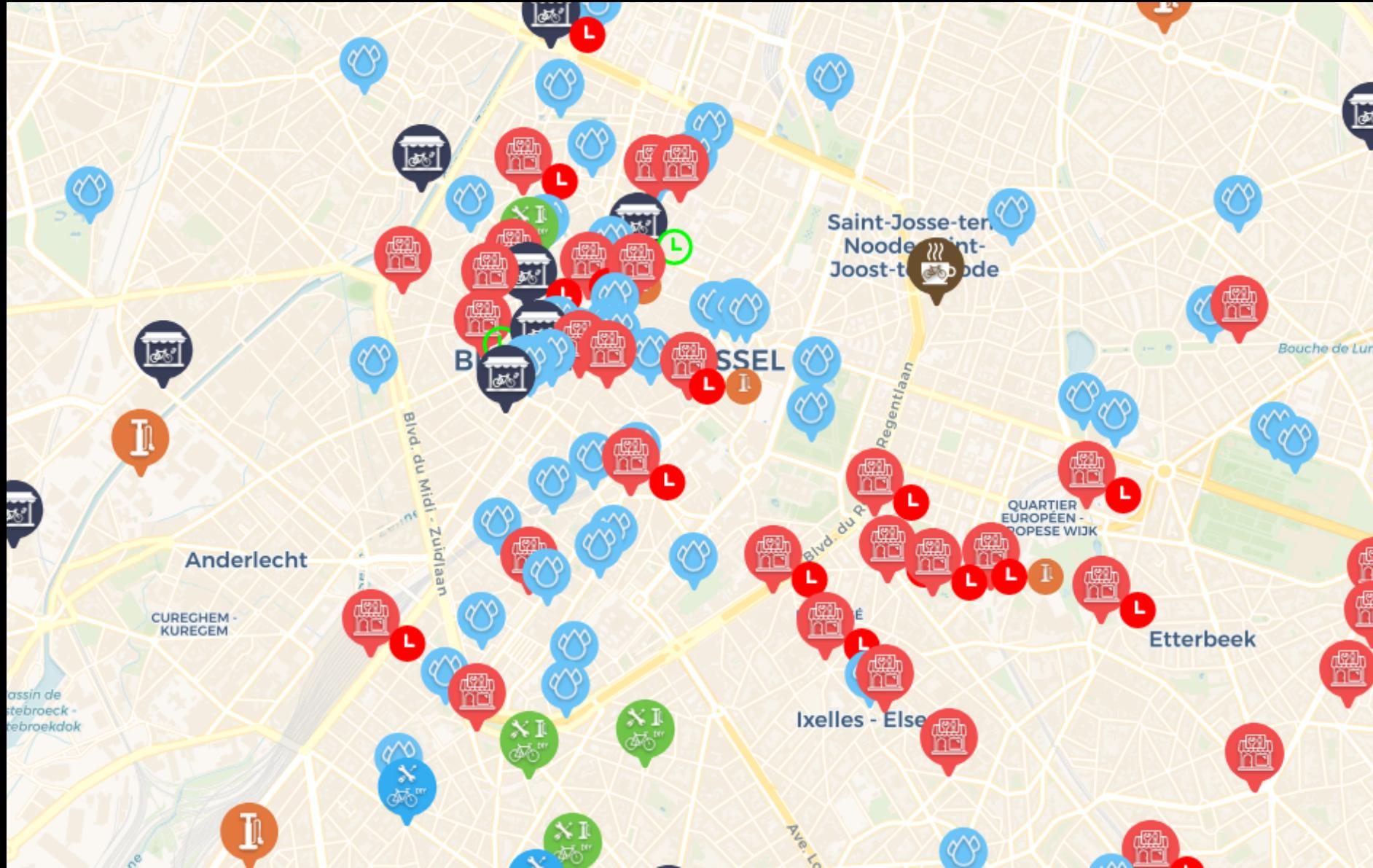
Fietsboxen, fietsbogen, fietsstraten, fietsherstelpunten, fietspompen,... Qua fietsinfrastructuur kan Jette ondertussen uitpakken met een indrukwekkend arsenaal aan voorzieningen ten behoeve van de fietsier.



De openbare fietspompen op het Jetse grondgebied vind je op volgende locaties:

- Woestelaan, Onze-Lieve-Vrouwvorstplein: voor de Onze-Lieve-Vrouw van Lourdeskerk
- Kardinaal Mercierplein: aan de Franstalige bibliotheek*
- Koningin Astridplein
- Léon Theodorstraat: aan Theodor 108*
- Jean-Louis Thysplein: beneden aan de trap komende van de J. Neyberghlaan, voor de fietsbogen
- E. de Grijsestraat: op het pleintje van de school Aurora
- Oude Afspanningsplein: naast het Villo!-station
- A. Gomandstraat: aan de ingang van GC Essegem
- Belgicalaan: voor de ingang van metrostation Belgica aan de J.-B. Serkeynstraat
- Amnesty Internationalplein: naast de fietsbogen en de fietsbox
- Boudevijnpark (fase 2): naast het speelplein langs de E. Toussaintstraat

* Op deze twee locaties vind je ook telkens een overdekt fietsherstelpunt.





Pieter Vander Vennet

136 ★8089 ↗ en ▾

Search a location



Add a point?

You clicked somewhere where no data is known yet.



Bike cafe

amenity=pub&pub=cycling



Bike repair/shop

shop=bicycle



Bike pump

amenity=bicycle_repair_station&
service:bicycle:tools=no&service:bicycle:pump=yes



Bike repair station and pump

amenity=bicycle_repair_station&
service:bicycle:tools=yes&service:bicycle:pump=yes



Bike repair station without pump

amenity=bicycle_repair_station&
service:bicycle:tools=yes&service:bicycle:pump=no



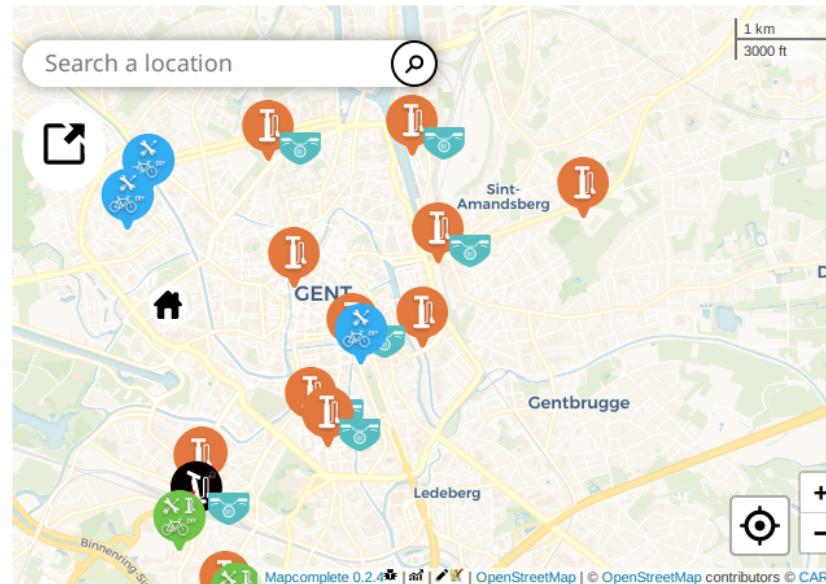
Drinking water

amenity=drinking_water

Een fietspomp in jouw buurt

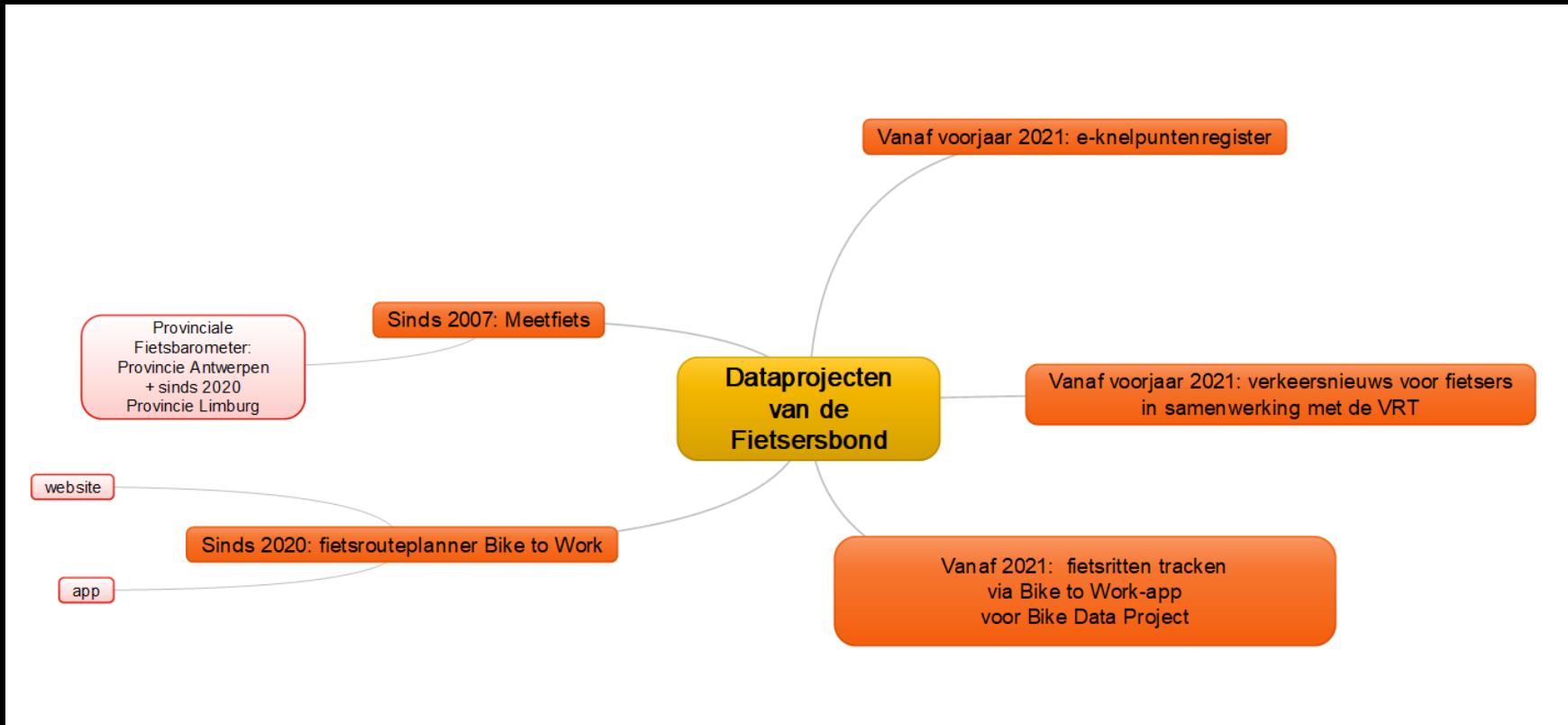
Platte band? Geen probleem! In Gent kun je op verschillende plekken gebruik maken van een publieke fietspomp.

Vind een fietspomp in jouw buurt



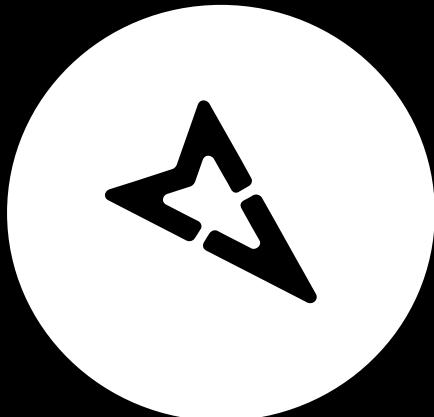
Is er een fietspomp defect? Geef ons een seintje op info.defietsambassade@stad.gent of 09 266 77 00. We herstellen ze zo snel mogelijk.

There is more!

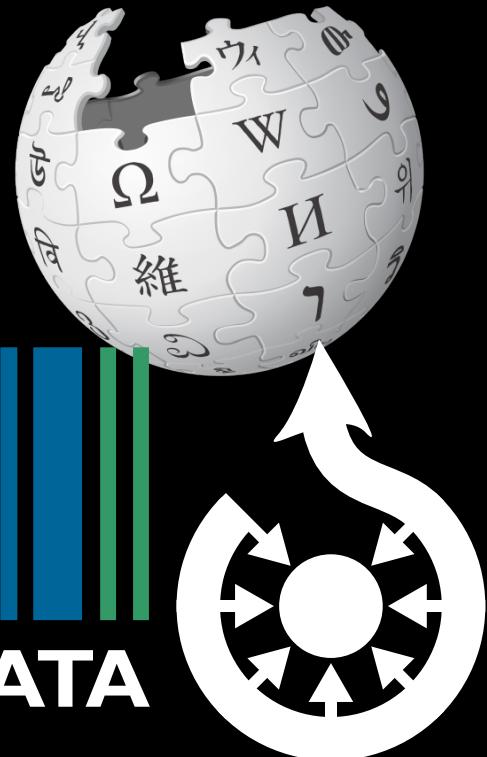
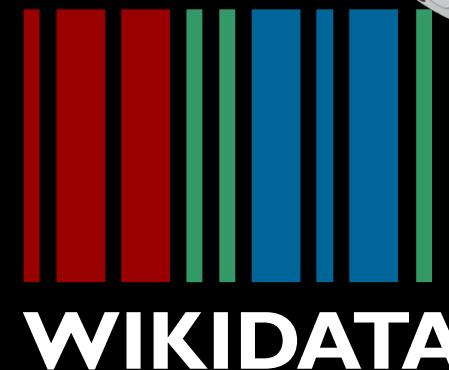


There is more!

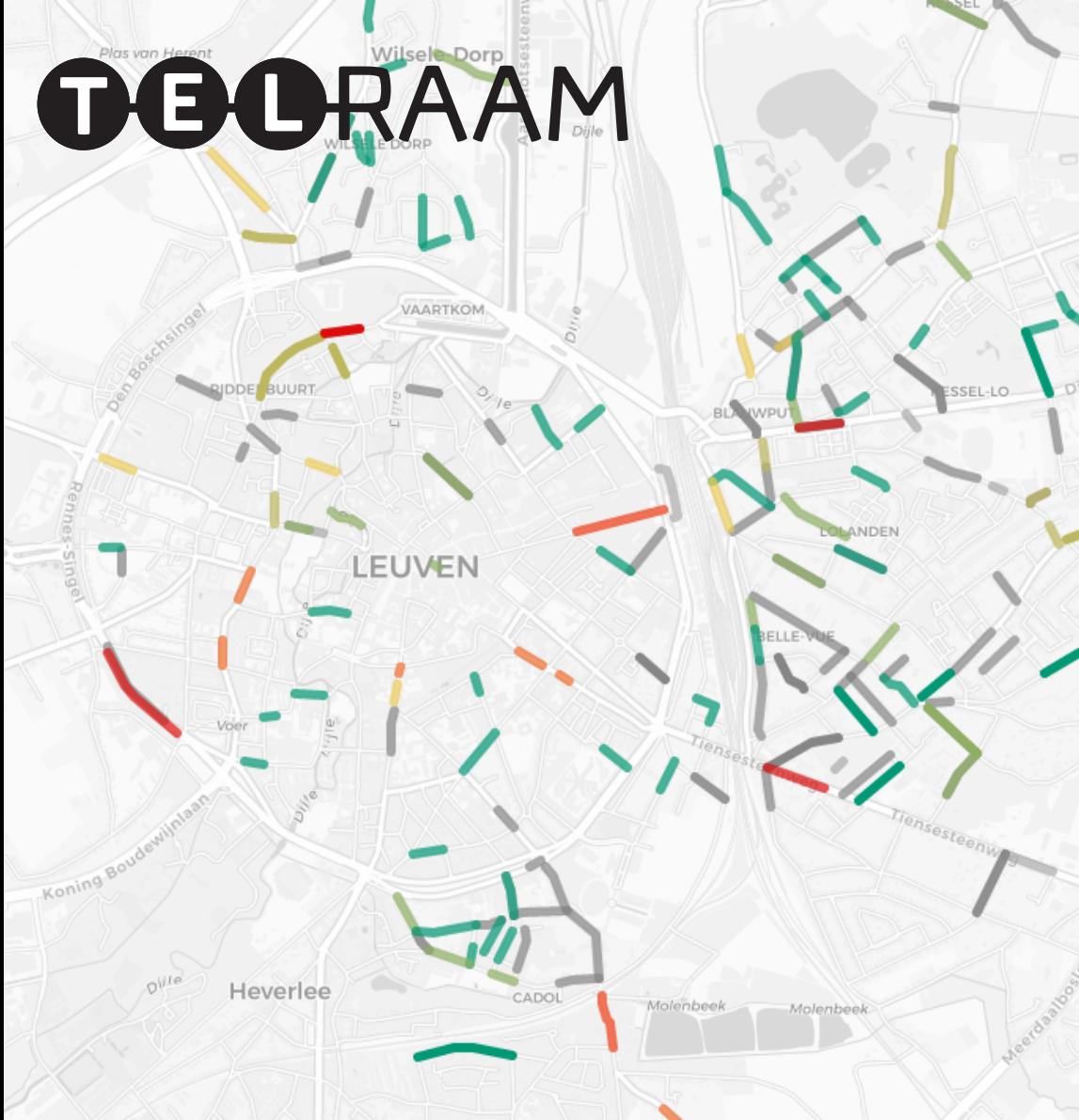
[Mangrove.reviews](#)



[Mapillary.com](#)



TELRAAM



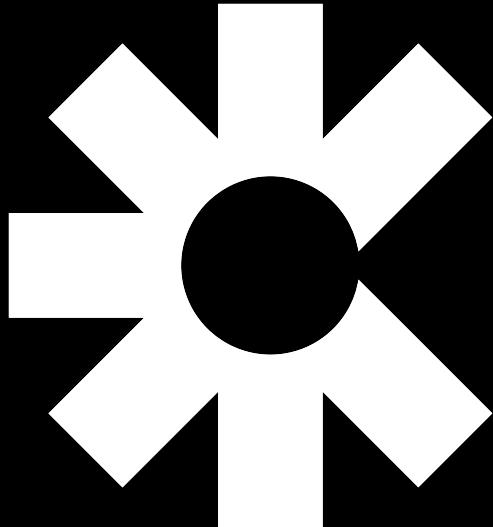


Citizens collecting cycling data to make cities more bike-friendly.

BikeDataProject.org

BikeDataProject.org

BikeDataProject.org



Open Knowledge
Foundation



Open Summer of Code

- ~25 teams of ~5 students
- One coach per team
- One client per team
- One challenge per team
- 4 weeks
- 100% Open data/Open source

Excellent to get a prototype!

Working together

Working together

**on the
most accurate,
most detailed
most up-to-date and
most open global map**

Working together

**on the
most accurate,
most detailed
most up-to-date and
most open global map**

and I'm crazy about it