

Contributing to OpenStreetMap

Contributing to OSM

- Creating an account
- A few rules
- The dataflow through the ecosystem
- The datamodel
 - Points
 - Lines
 - Surfaces
 - Searching tags on the wiki

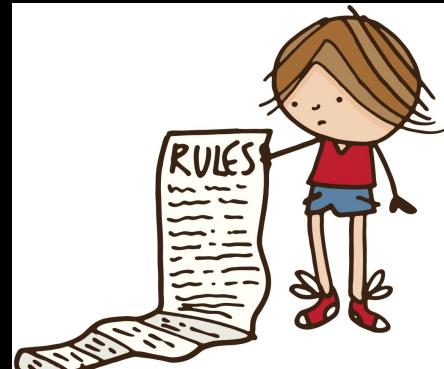




A few rules

OSM uses the Open Database License (ODbL)

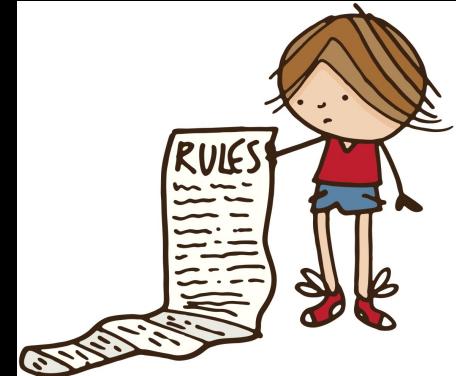
- All data can be used by anyone (including commercially)
- But with an obligated **attribution**
- You can use OSM as background layer with **proprietary data** on top... but not **mix proprietary data with OSM** (or you open them up)
- Redistributing with **DRM** is not allowed

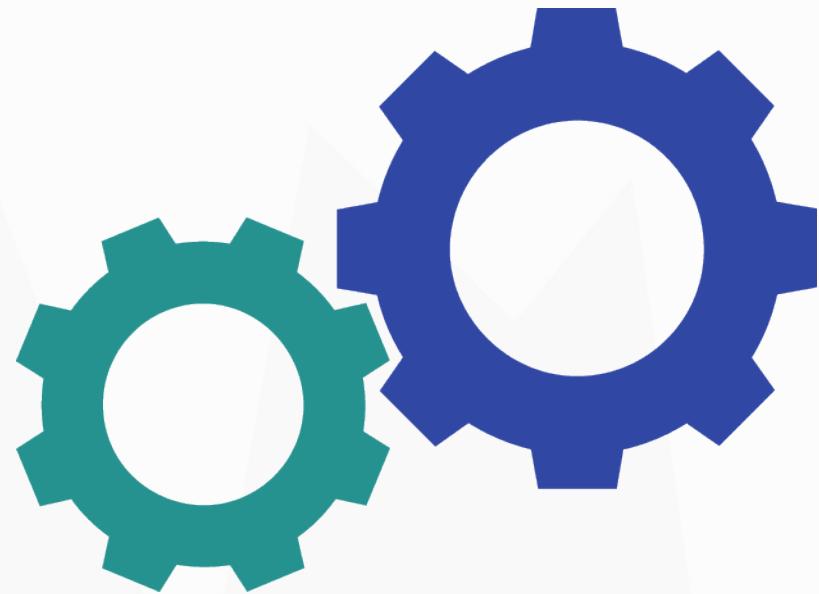


Editing OSM

Three rules

1. Only add what can be verified **on the ground**
2. Do **not add copyrighted data**
don't copy other maps, unless with permission
3. **Dare to edit**
use common sense
make mistakes – everyone did
ask help if needed



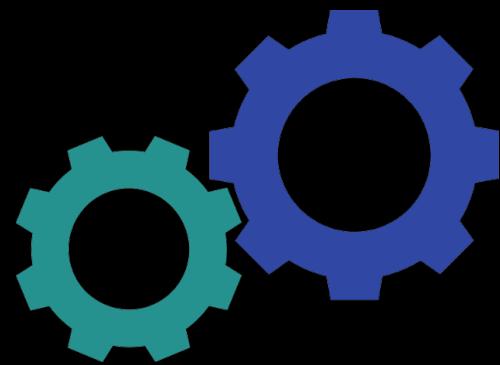


OSM-infrastructure

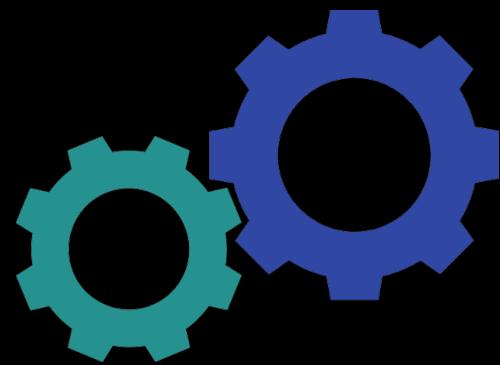
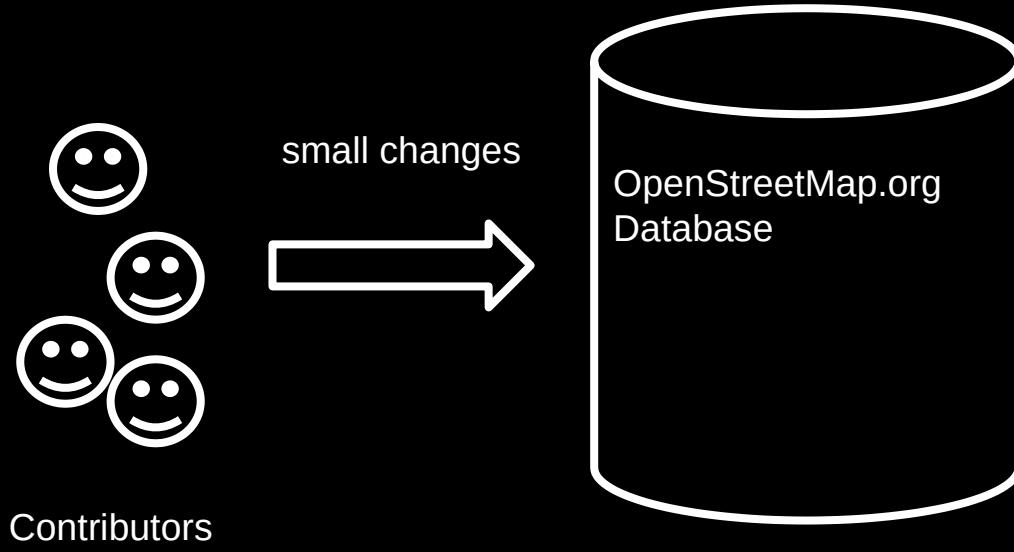
Dataflow



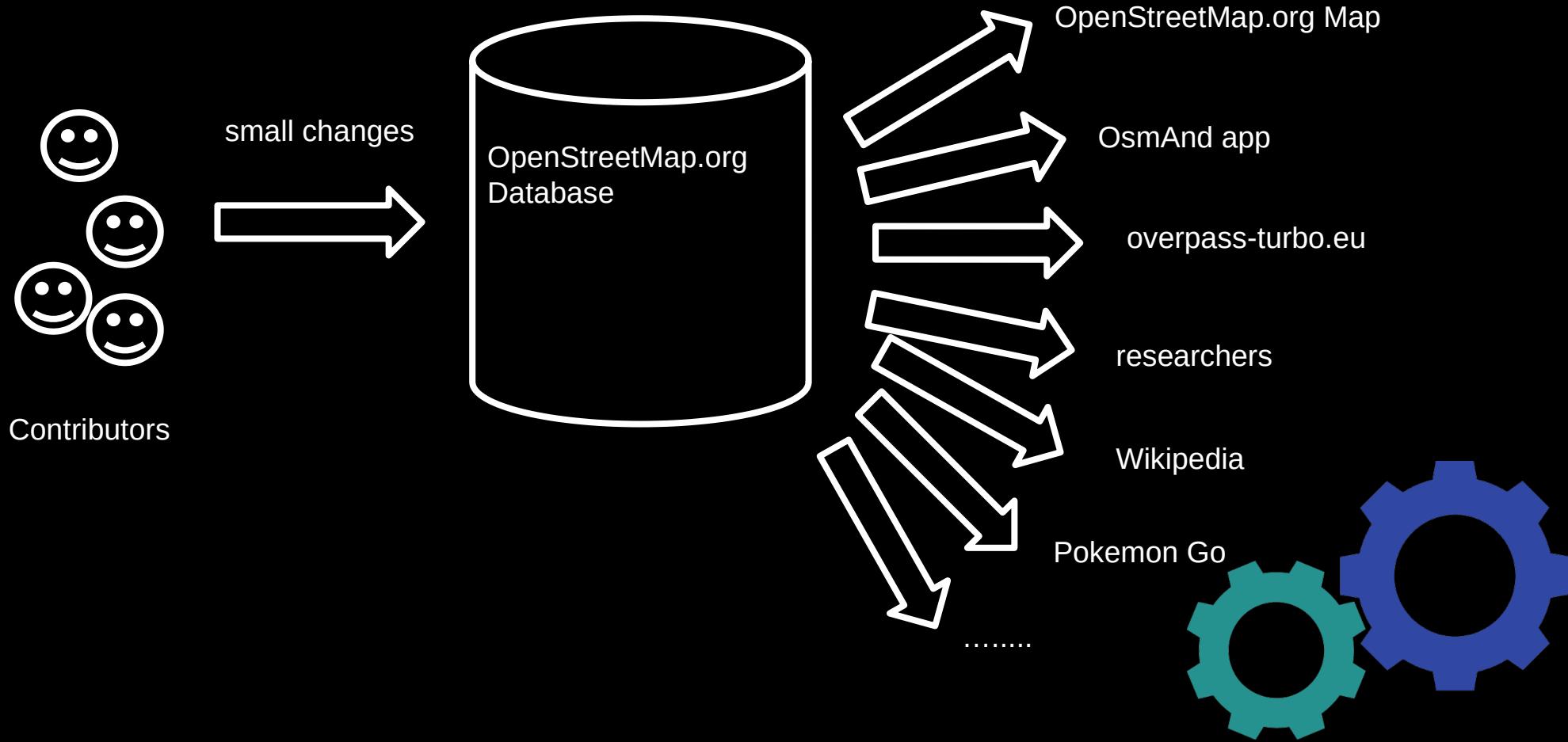
OpenStreetMap.org
Database



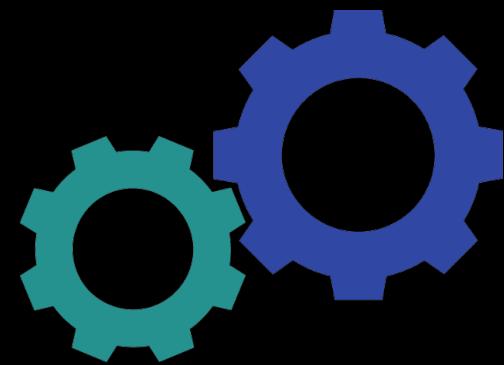
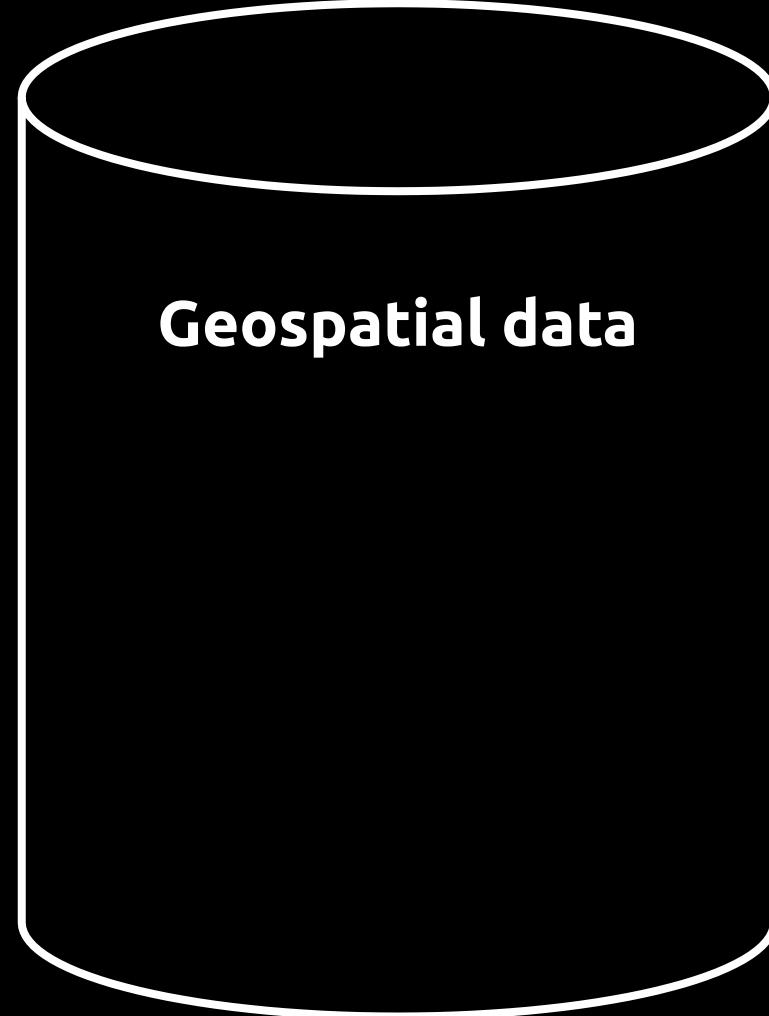
Dataflow



Dataflow



Database



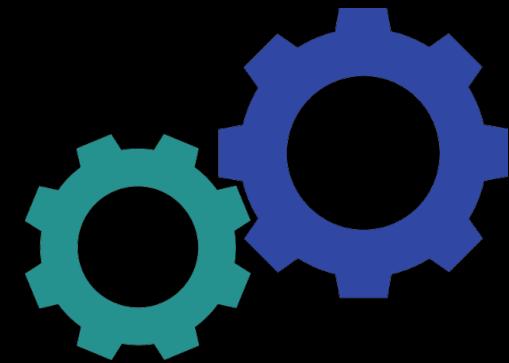
Database

Geospatial data

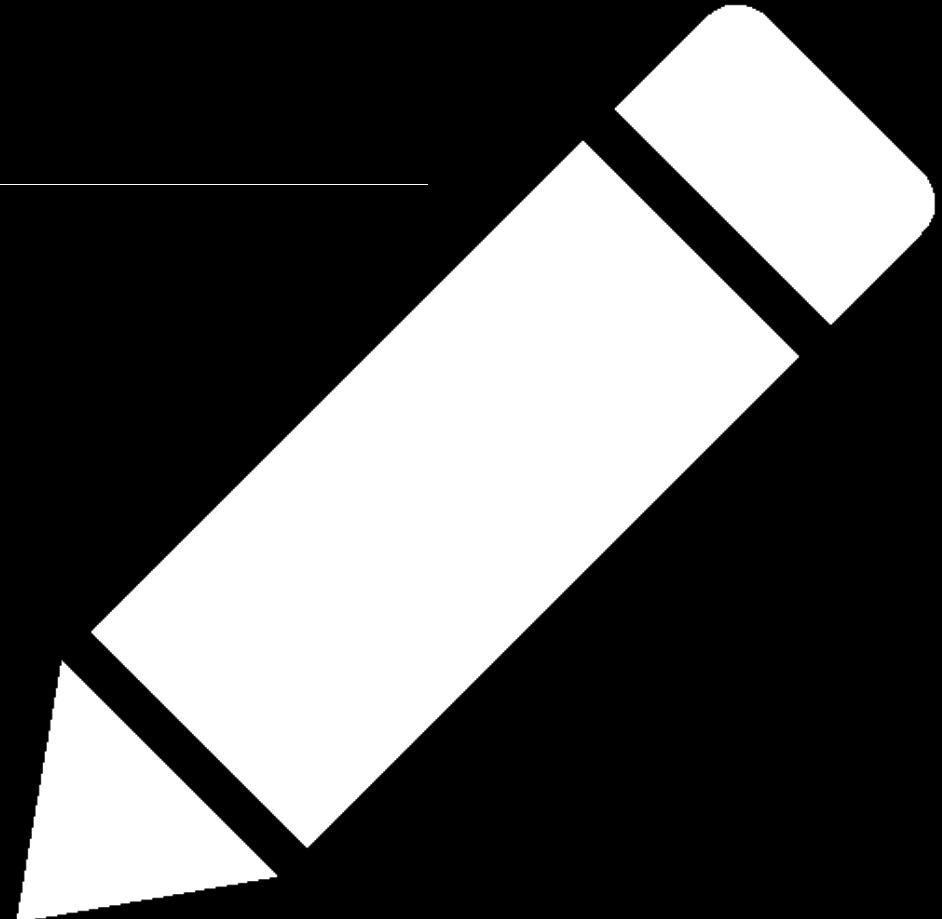
Dots and lines

+

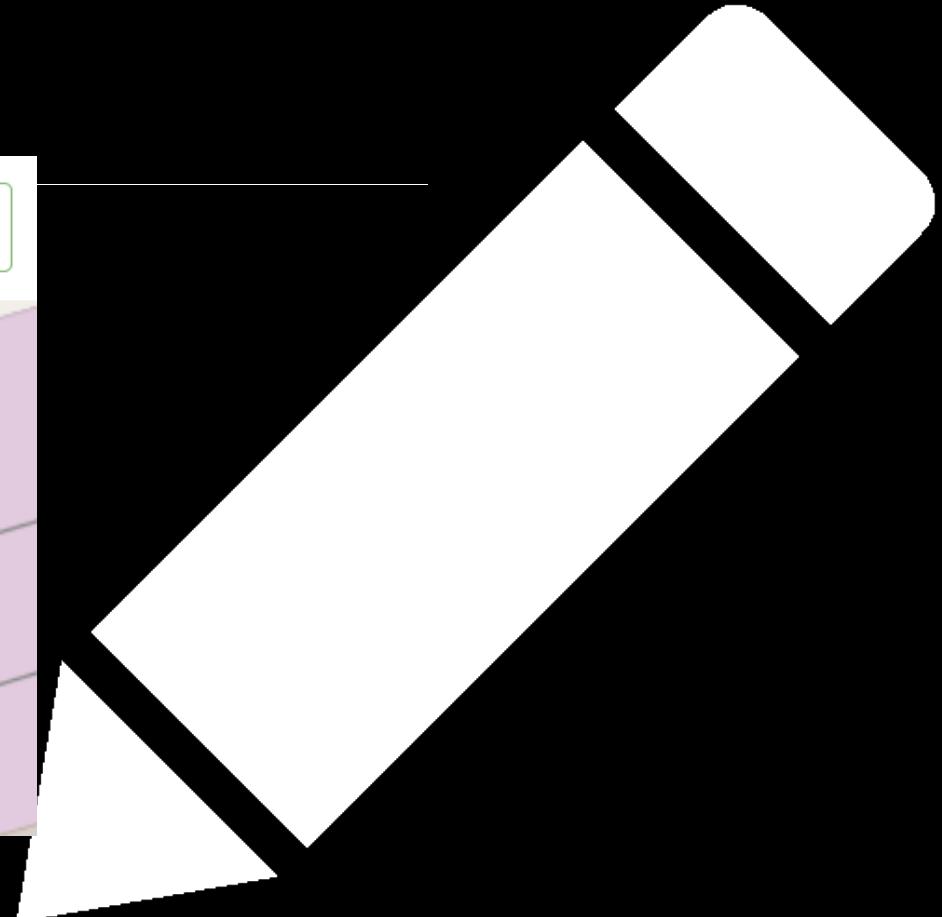
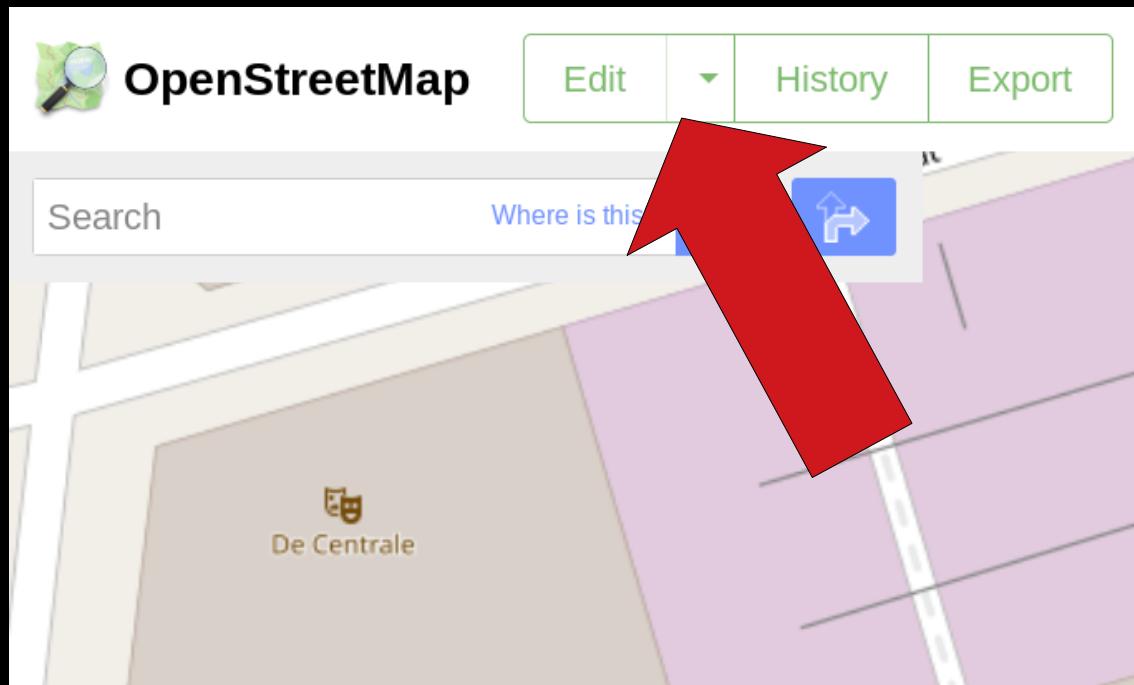
metadatdata:
what does a point/line
represent?



Creating an account



Creating an account



Creating an account

Login

Don't have an account? [Register now](#)

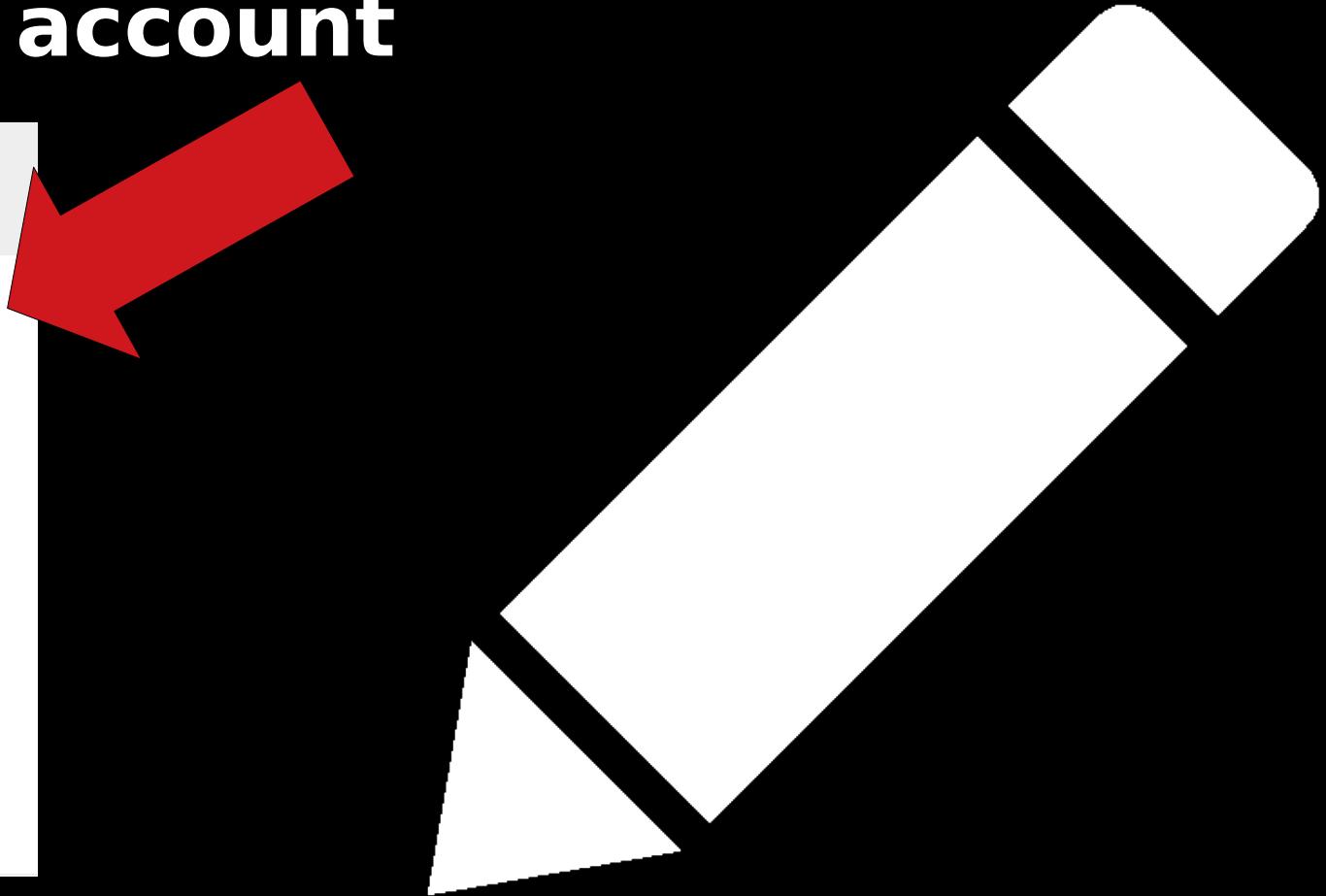
Email Address or Username:

Password:

[Lost your password?](#)

Remember me

Login



Creating an account

Sign Up



Email Address:

Confirm Email Address:

Your address is not displayed publicly, see our [privacy policy](#) for more information

Display Name:

Your publicly displayed username. You can change this later in the preferences.

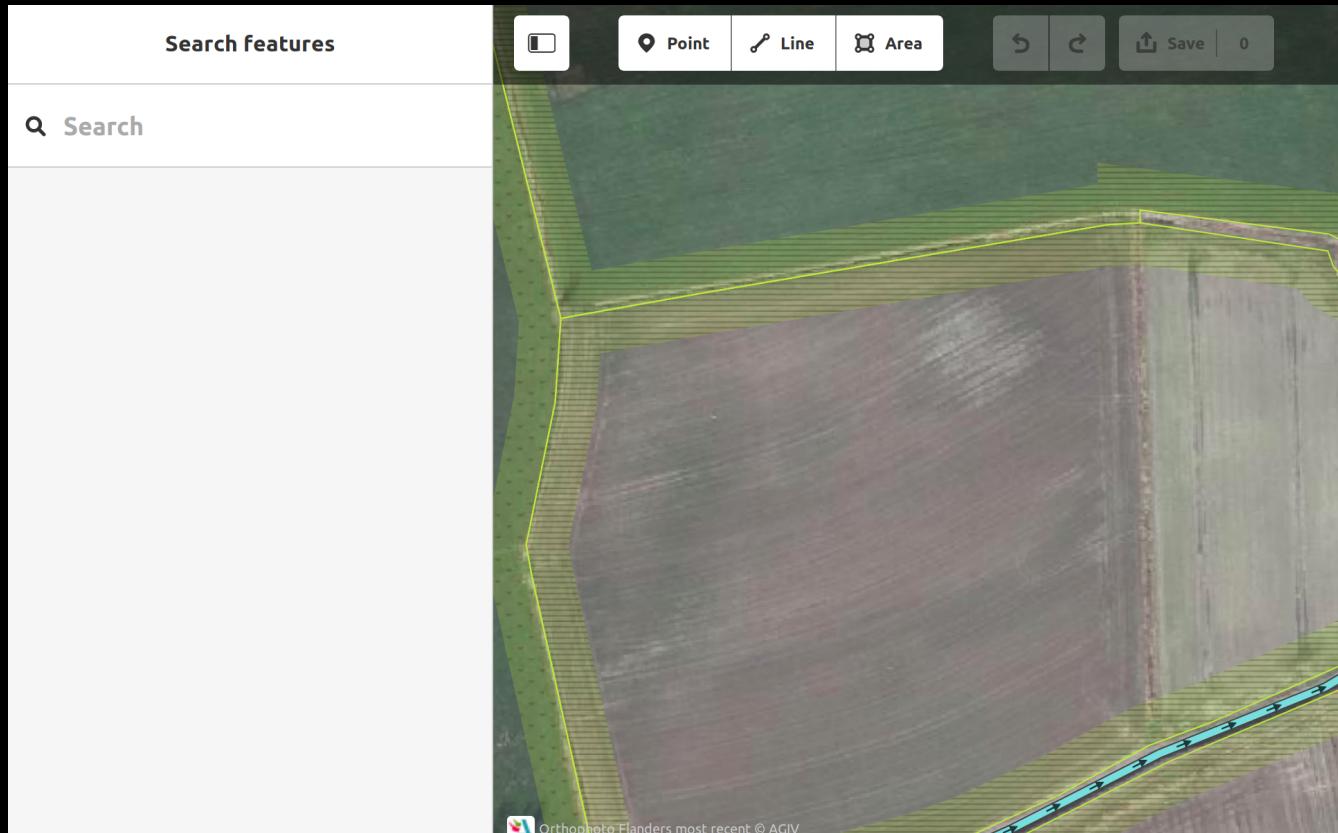
Password:

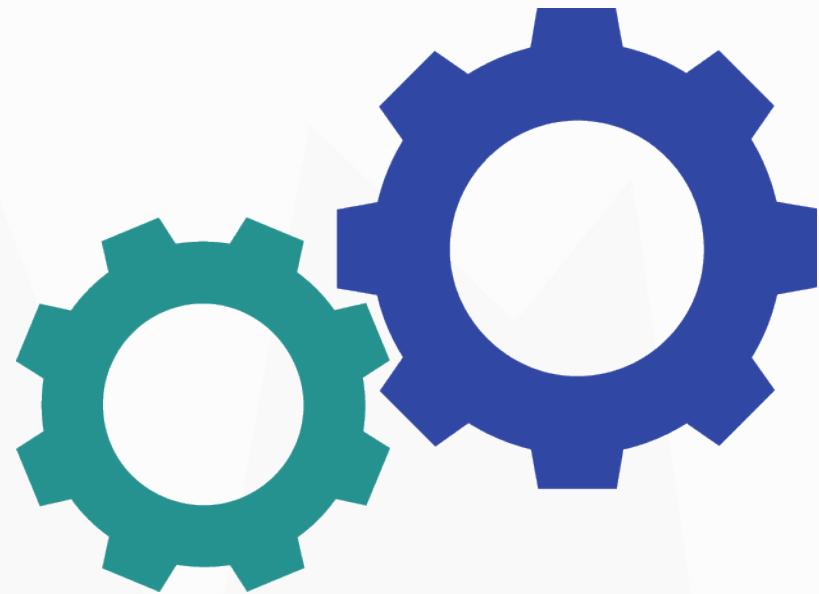
Free and editable

Unlike other maps, OpenStreetMap is completely created by people like you, and it's free for anyone to fix, update, download and use.

Sign up to get started contributing. We'll send an email to confirm your account.

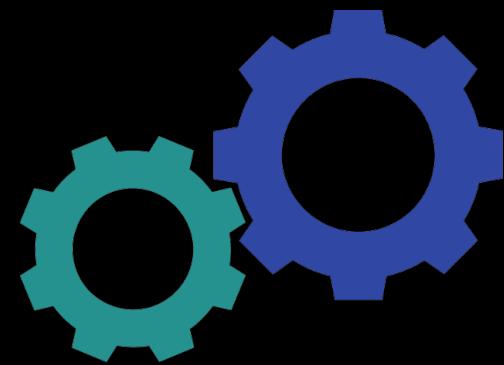
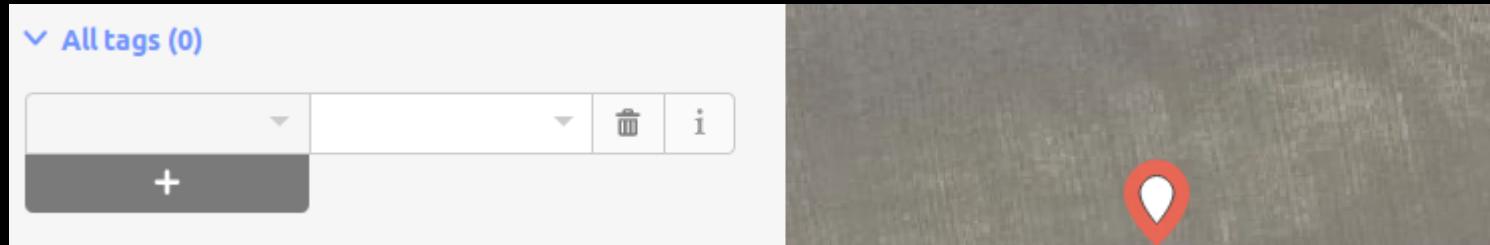
Creating an account



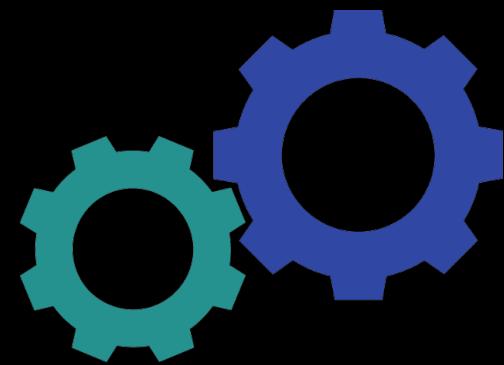
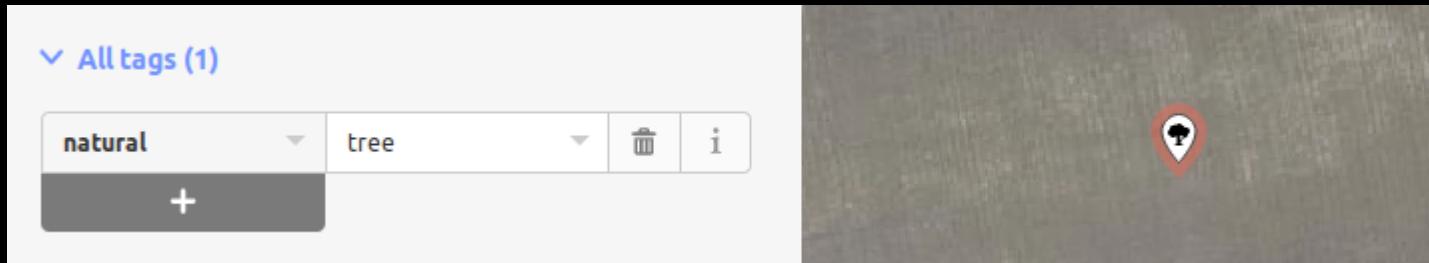


Adding a point

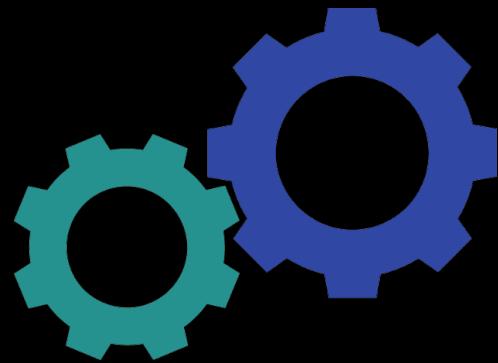
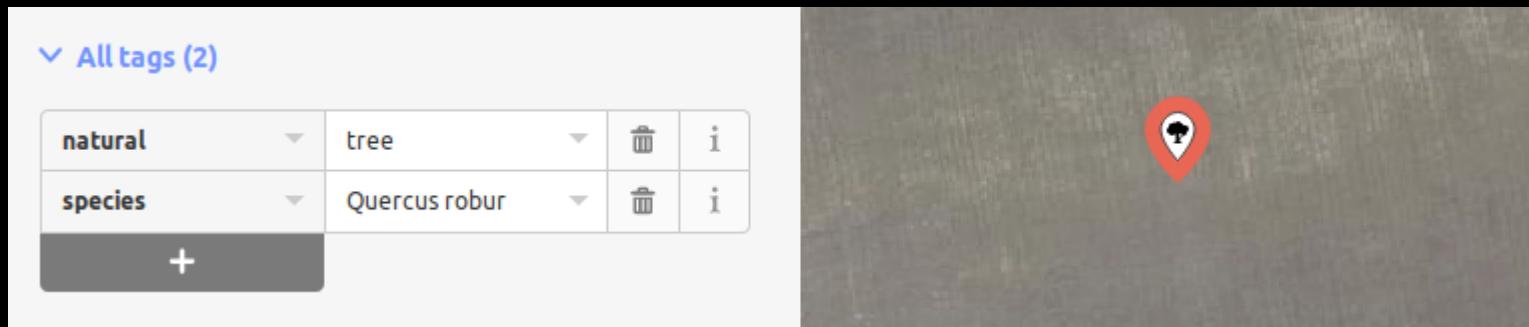
Adding a point



Adding a point



Adding a point



Adding a point

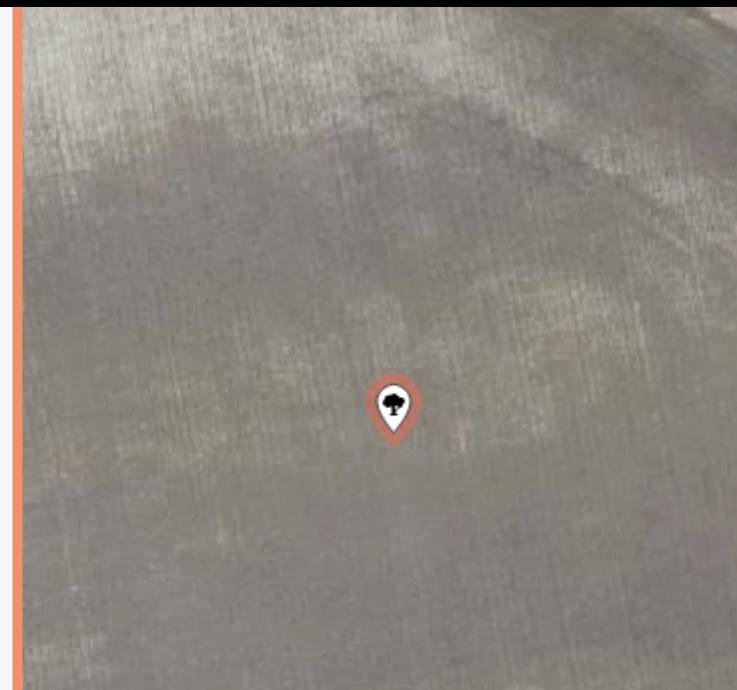
The property we are
describing (Key)

The value of the property
(Value)

All tags (8)

height	100
heritage	yes
heritage:operator	Ergoedcel Brugge
heritage:ref	681
natural	tree
species	Quercus robur
start_date	1812-12-01
width	2

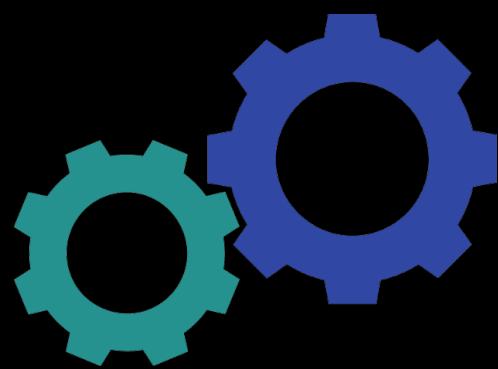
+

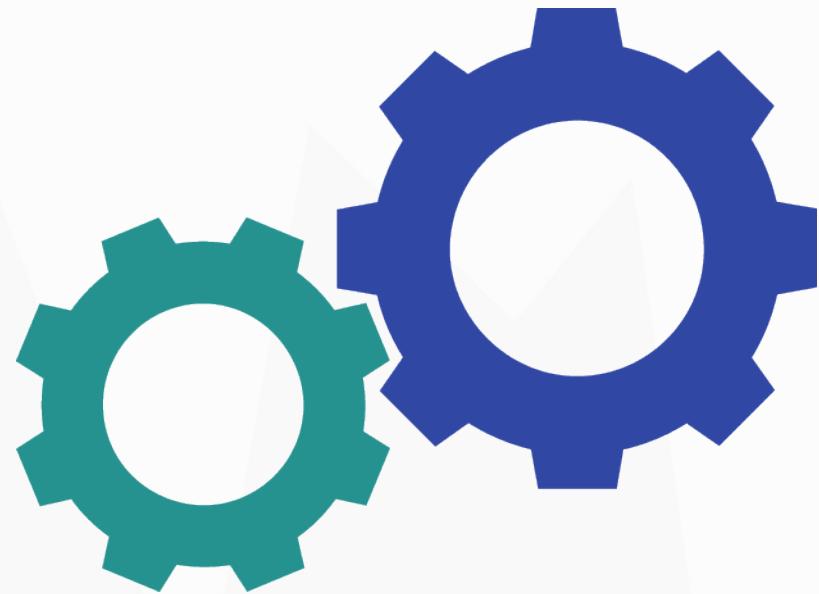


Euhm...

I don't know any of those tags

- A tremendous lot is known by the editor
- Something special: have a look on wiki.osm.org
- Ask the community (of the country where you are mapping)
- Still no answer? Invent something, in collaboration with the community





Lines

Lines

Edit feature ✓

Point Line Area

Save | 1

Path

All fields

All tags (1)

highway path +

All relations (0) +

This image shows a screenshot of a map editing application. The main area is a satellite view of a agricultural field with dark brown soil and some green vegetation. A red dashed line is drawn across the field, starting from the bottom left and extending towards the top right. In the top left corner, there's a sidebar titled 'Edit feature' with a checkmark icon. Below it are buttons for 'Point', 'Line' (which is selected), and 'Area'. To the right of these are save and undo/redo buttons, along with a save count of '1'. The sidebar also contains sections for 'Path' (with an info icon), 'All fields' (with an info icon), 'All tags (1)' (selected, showing 'highway' and 'path' with a plus sign), and 'All relations (0)' (with a plus sign). On the far right edge of the map, there are several small icons for zooming and navigating.



Lines

Edit feature 

 Point  Line  Area    Save | 2

 Fence 

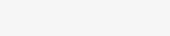
> All fields

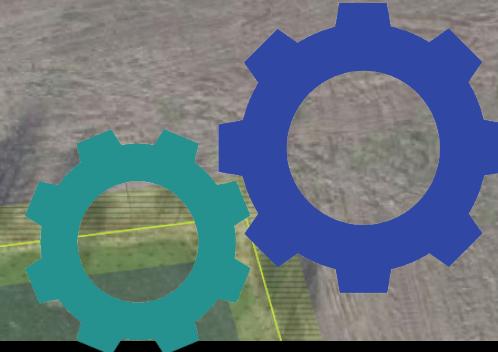
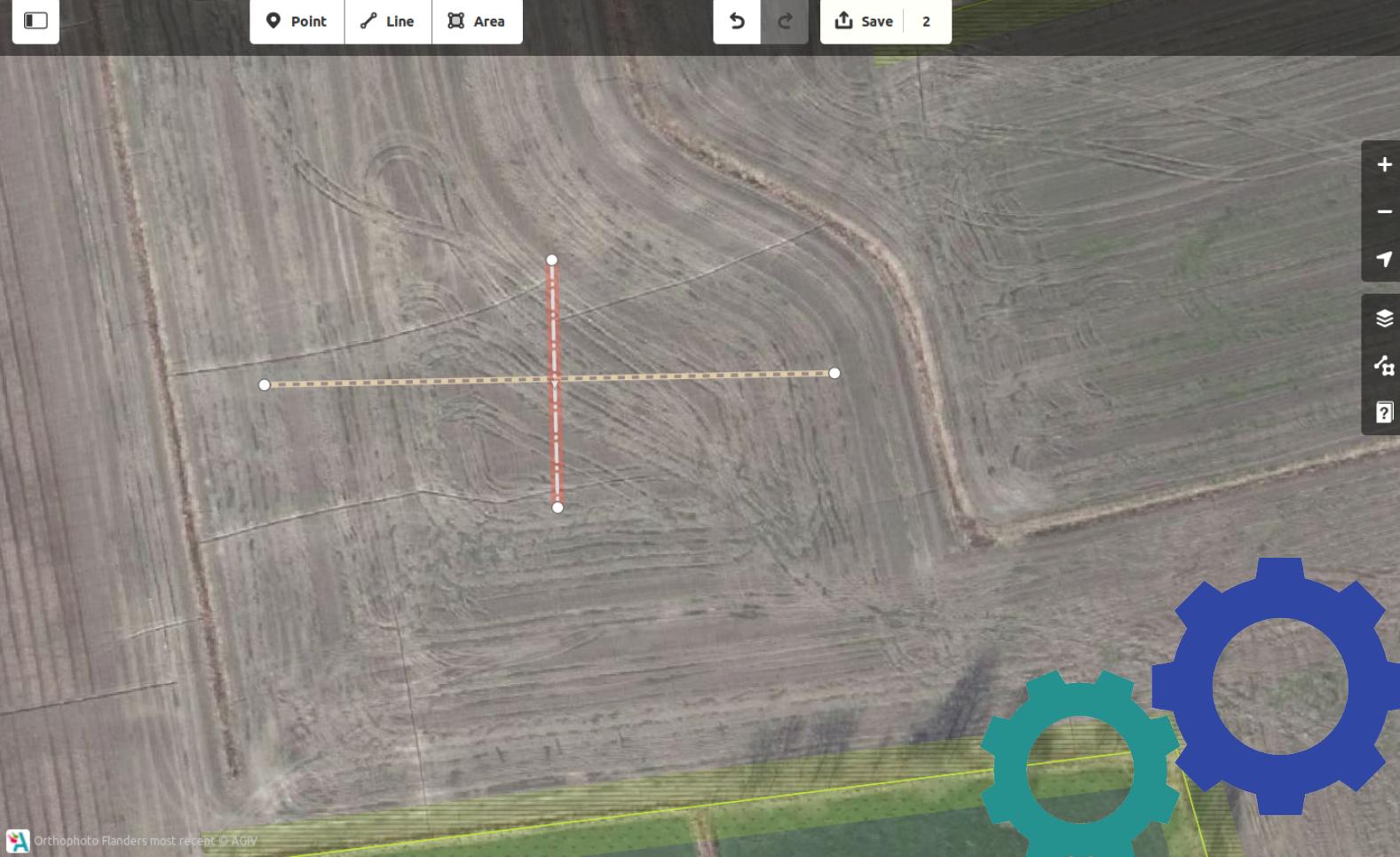
< All tags (1)

barrier  fence  

+ 

< All relations (0)

+ 



Orthophoto Flanders most recent © AGIV

Lines

Edit feature ✓

Fence i

> All fields

▼ All tags (1)

barrier ▾ fence ▾ i

▼ All relations (0)

+

Orthophoto Flandre

An aerial orthophoto of a rural landscape with several agricultural fields. A prominent red dashed line runs vertically through the center of the image, intersecting a yellow solid line that extends horizontally across the middle. The terrain shows various shades of brown and green, indicating different types of crops or soil. The interface on the left side of the image is a digital mapping tool for editing features like fences.

Lines

Edit feature ✓

Point Line Area

Save 3

Gate

All fields

All tags (2)

barrier	gate	delete	info
access	yes	delete	info

+

All relations (0)

+

A large blue gear icon is visible in the bottom right corner.

Areas

Edit feature ✓

Point Line Area

Save 1

Building

All fields

All tags (1)

building yes +

All relations (0) +

The screenshot shows a GIS application interface for editing features. At the top, there's a toolbar with icons for Point, Line, and Area. Below the toolbar, a sidebar on the left allows editing of a 'Building' feature, showing its status as 'yes' and a '+' button to add more. There are also sections for 'All fields', 'All tags (1)', and 'All relations (0)'. The main area displays a satellite image of a field with a red polygon drawn over it, representing the selected feature. A save button at the top right shows '1' item saved.



Areas

Edit feature ✓

Point Line Area

Save 1

Building

> All fields

All tags (1)

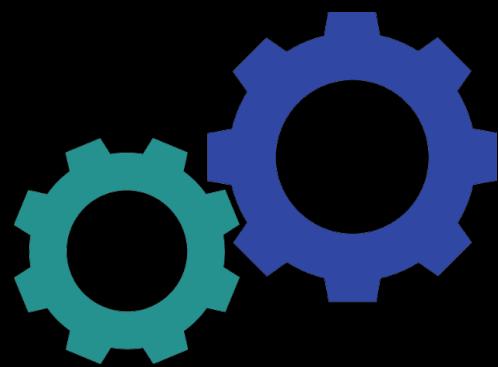
building yes +

All relations (0) +

The image shows a satellite view of a agricultural field with dark brown soil and some green vegetation. A red polygon is drawn over a specific area in the center of the field. The polygon has five vertices and is roughly diamond-shaped. The application interface includes a toolbar at the top with icons for Point, Line, and Area, and a sidebar on the left for editing features like Building, All fields, All tags (1), and All relations (0). A save button indicates one item has been saved.



A little secret



A little secret



© Hanna-Barbera

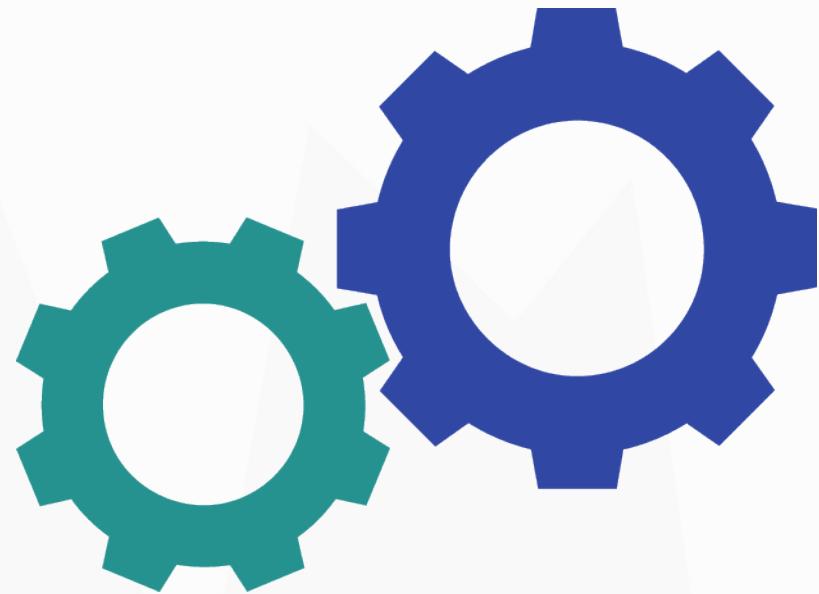
A little secret

They are just lines too!

But:
end = begin

© Hanna-Barbera





Your turn!