

Green area: the digital map project

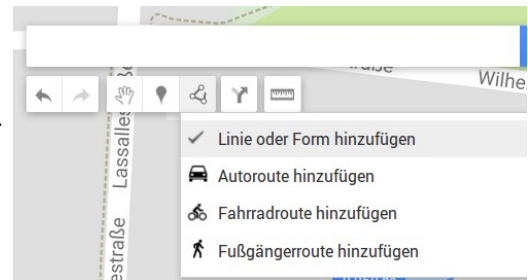
This has been a math-project. So I wanted to get some numbers and I wanted the students to work with modern media. You don't have to do it this way if you don't want to. Maybe you want to do it more creative.

Everyone is investigating his own neighborhood.

Step 1: Open **my map** by google.

Step 2: Draw a square around your apartment with a side length of about 200m.

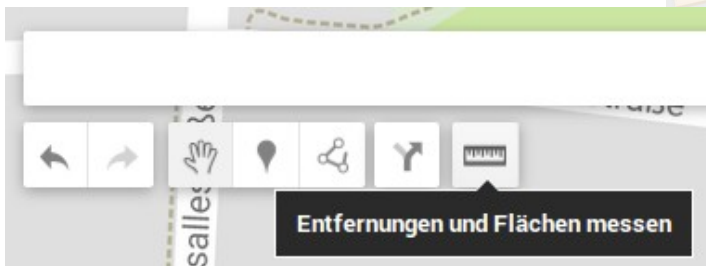
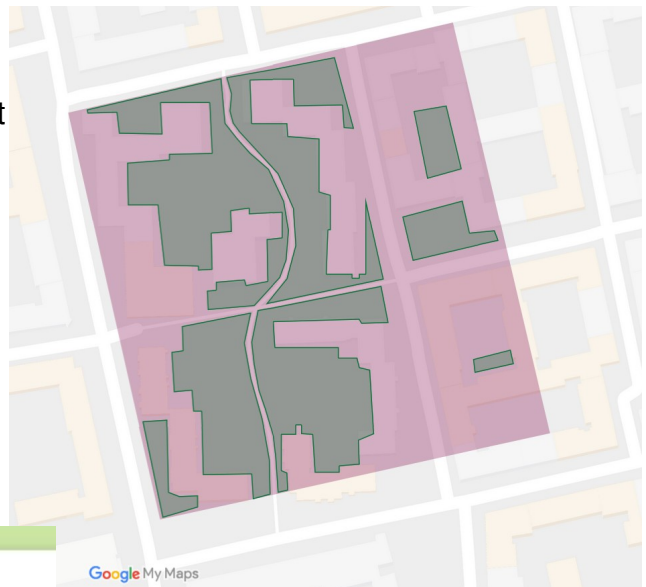
The maps may be published online, so make sure your apartment is not exactly in the middle. Protect your privacy and your adress. You can also take your grandma's apartment, but it's more fun if you know the area.



1. Question: Measure the percentage of the green area.
Paint polygons and paint them bright green. Not every square meter must drawn exactly.

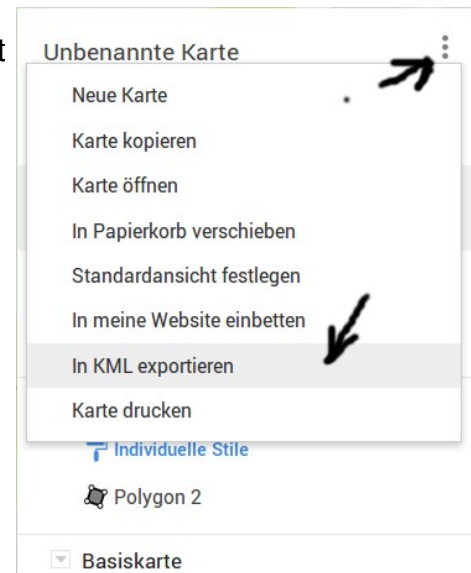
2. Question: How much per cent of the land are public green areas? Where to go for a walk with your dog?

3. Question: How many meters is it from your apartment to the next public park?
(Where can you go running in green parks? Use the mesurement tool)



4. Question: How many meters are there from your apartment to the next nice city square?
(Where can one sit in peace and eat some ice cream?)

Job: Export your map as a KML file and send the file to your teacher or a student-expert. The expert is trying to put all the data together on one map.



Munich example:

<https://drive.google.com/open?id=1HaTHWO5DZwOgQJsmWgfX2fMTIol&usp=sharing>

<https://sites.google.com/a/olvp.be/erasmus/home/green-city-foto>

Possible Improvement: It would be nice to have fotos in the map.

Green spaces (munich project / 9c in 2017)

The students measured the amount of green spaces around their home. (a square of about 200 m x 200 m)

in average, we have:

- 40% of green areas
- 16% of public green areas
- 800 m to the next park
- 1000 m to the next square where you can eat an icecream

R.Plötz

It is not so easy to put all the data together. Put the surrounding square in one layer (pink) and the green spaces in a different layer (green)

