



# Mapping Rákospalota professionally

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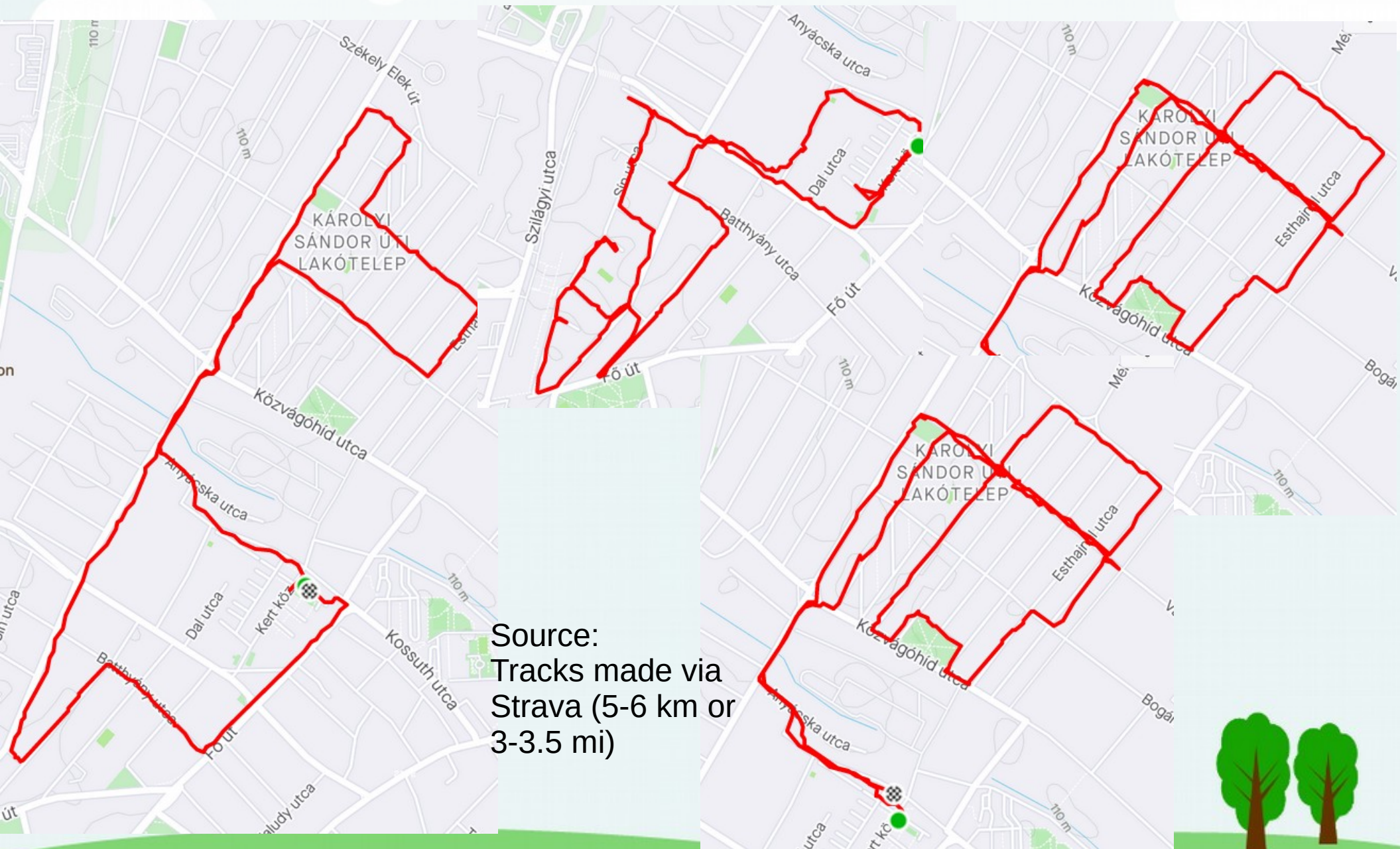
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# Preface

- COVID → no university, so I have to complete the Physical Training I (PE) subject online (via Strava app)
- At least 5 km(3.1 mi) trips, 15 km(9.3 mi)/week requirement: 100 km(62 mi) in this semester (or I could go 200 km by bike but I can't ride a bicycle as good as a normal person :))
- Because I don't want to get bored, let me have an own project → OSM!

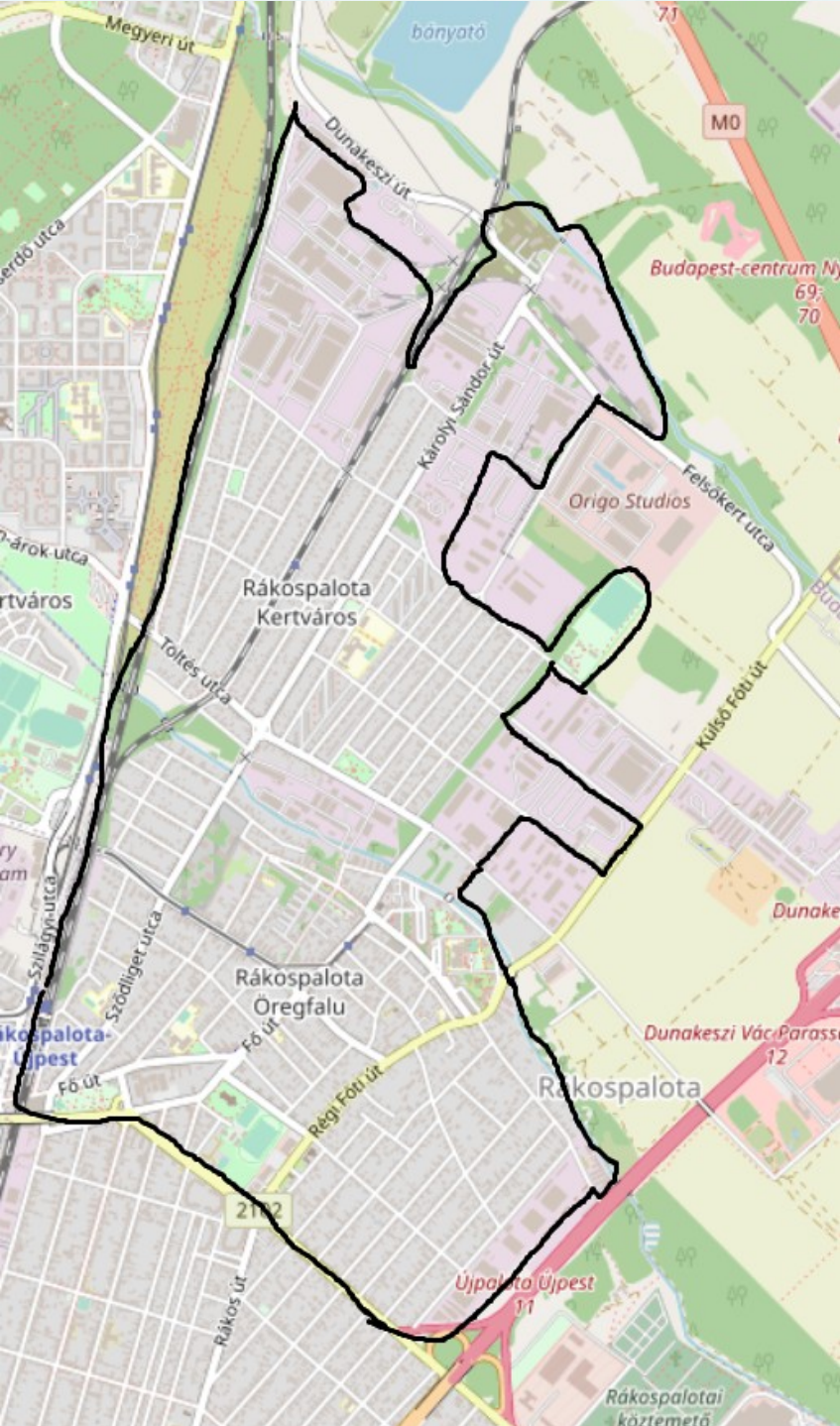


# Routes, which I take (some of them)





The area I explored either by walking or either by bus



# Mapping methods



Writing down  
the  
interpolations  
from these  
signs into my  
phone





# Problems...

- Nowadays pipeline is getting reconstructed near Szilas Stream, making my work harder when mapping Közvágóhíd utca (street). I need to dodge the holes in the sidewalk.



Közvágóhíd tér(square) after refurbishing... It didn't have this circle in the middle before.



Older images of the square:

<https://mapio.net/s/61935696/>





# Mapping methods



- I put the interpolation first into OSM





# Mapping methods

[Area list](#) | [Missing house numbers](#) | [Update from OSM](#) | [Update from reference](#) | [Existing house numbers](#) | [Existing streets](#) | [Overpass turbo](#) | [Area boundary](#)

OpenStreetMap is possibly missing the below 1075 house numbers for 36 streets. (existing: 458, ready: 29.88%).

[Filter incorrect information.](#)

[Overpass turbo query for the below streets](#)

[Plain text format](#)

[Checklist format](#)

Then I go to [OSM Gimmisn](#) (an address reference) to look after missing addresses

<u>Street name</u>	<u>Missing count</u> ▲	<u>House numbers</u>
Veresegyházi utca	133	1/B, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25-27, 29, 29/A, 31, 33, 35, 37, 39, 41, 43, 45, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 75/A, 75/B, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127 2, 4, 6, 6/A, 6/B, 8, 10, 10/A, 10/B, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42/B, 44, 44/A, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 68-70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 92/A, 92/B, 94, 96, 98, 100, 102, 104, 106, 106/A, 106/B, 108, 110, 112, 114, 116, 118, 120, 122
Csomád utca	112	1, 3, 5, 5/A, 5/B, 7, 7/A, 9, 9/A, 9/B, 11, 13, 15, 15/A, 15/B, 15/D, 17, 19, 19/B, 21, 23, 23/A, 23/B, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49/A, 49/B, 51/A, 51/B, 53, 55, 57, 59, 59/A, 61, 63, 63/A, 63/B, 65, 67, 69, 71, 73, 75, 77, 79, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113 6, 6/B, 8, 10, 12, 14, 14/A, 16, 16/A, 18, 20, 22, 22/B, 24, 26, 26/B, 28, 30, 32, 34, 34/A, 36, 38, 40, 42, 44, 44/A, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 68/A, 70
Kemény István utca	106	1, 1/A, 3, 3/A, 5, 5/B, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41/A, 41/B, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93/A, 93/B, 95 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 48/A, 50, 50/A, 50/B, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104
Károlyi Sándor út	77	47/B, 49/9, 99/A, 109/B, 113/3, 113/A, 113/I, 117-119, 119-121, <a href="#">121</a> , 139-141 42/A, 46/A, 50, 52, 54, 56, 58, 58/B, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 86/A, 88, 90, 92/A, 92/B, 92/C, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 132/A, 132/B, 134, 136, 138, 140, 142, 144, 146, 148, 150, <a href="#">154/A</a> , <a href="#">154/C</a> , <a href="#">156</a> , 160, 162, 164, 166
Benkő István utca	72	3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 83/A, 85 4, 6, 8, 10, 12, 14, 16, 16/A, 20, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76




# Mapping methods

- I collect those addresses from Gimmisn which are /A /B (so which are weird (eg. 13/B))
- If I see in Gimmisn that there is no /A /B, then I just put all the addresses.
- In [Rákospalota Kertváros](#) it's easy, because there is barely /A /B etc., maybe in some streets (it's constructed in a lattice)
- [Rákospalota Öregfalu](#) is full of divided plots
- If there is /A /B on the spot, I record it into my phone, and if I see something odd, then I also write it down.





# Putting addresses properly



Annotation/Address ...

Key	Value
addr:city	Budapest
addr:housenumber	19
addr:postcode	1151
addr:street	Szócs Bertalan utca
building	yes

+ Add Edit Delete



# And finalizing the changeset

Upload to 'https://api.openstreetmap.org/api/0.6/'

16 objects to add:

- node
- node
- node
- node
- node
- node
- node

80 objects to modify:

- 7650431529
- 7650431533
- 7650431534
- 7650431536
- 7650431602
- 7650431623
- 7650431624

26 objects to delete:

- building (0 nodes)
- building (0 nodes)
- building (0 nodes)
- 908008493 (0 nodes)
- 909593198 (0 nodes)
- 909593199 (0 nodes)
- 909593201 (0 nodes)

Settings | Tags of new changeset | Changesets | Advanced

Provide a brief comment for the changes you are uploading:

Hátszámok hozzáadva(interpolációból) és épületek beigazítása, hozzáadása.

★ Thank you for providing a changeset comment! This gives other mappers a better understanding of your intent.

Specify the data source for the changes

☐ Automatically obtain source from current layers ([just once](#))

survey; Esri Clarity Beta

Objects are uploaded to a **new changeset**. The changeset is going to be **closed** after this upload ([configure changeset](#))

Uploading **122 objects** to **1 changeset** using **1 request** ([advanced configuration](#))

☐ I would like someone to review my edits.

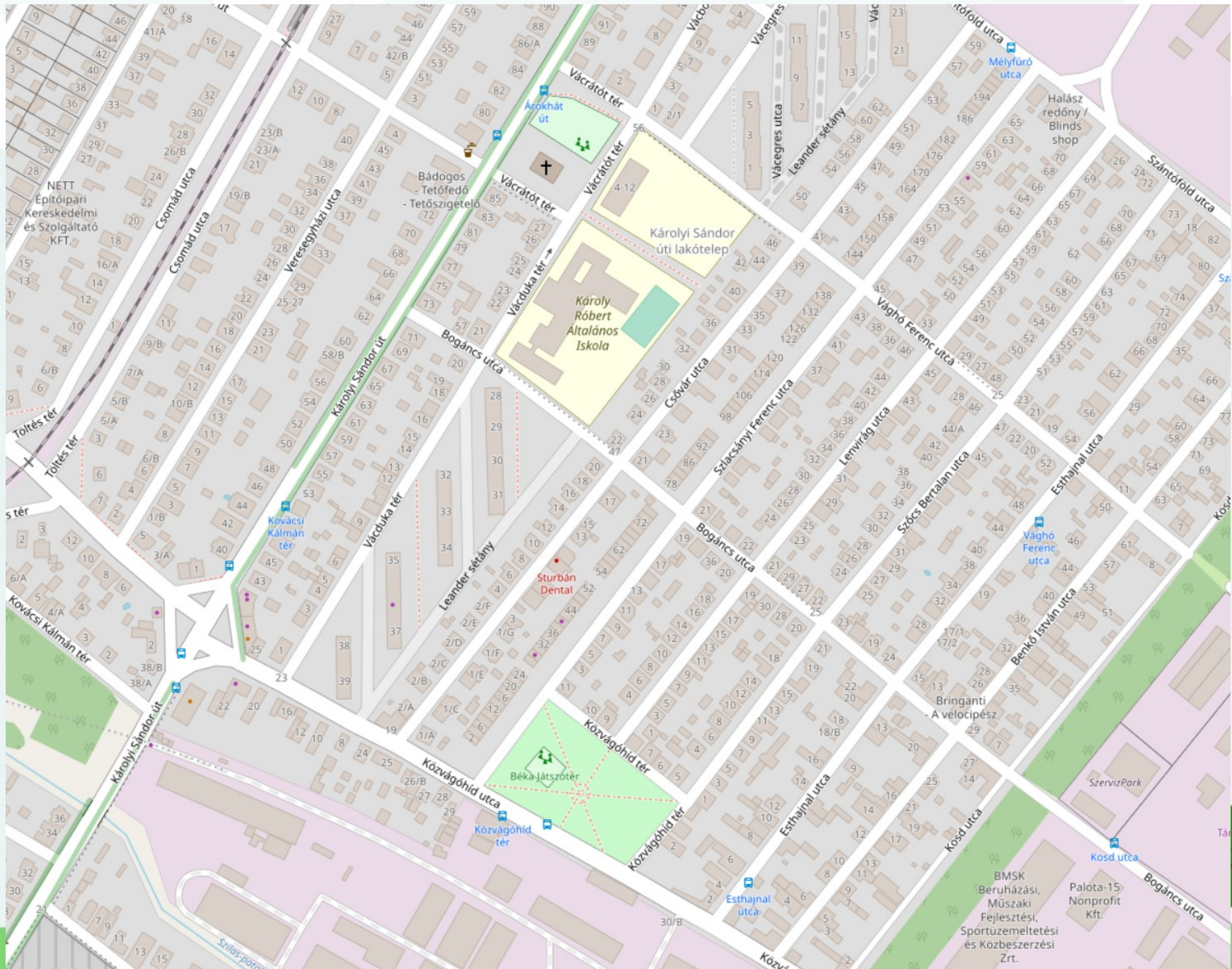
Upload Changes Cancel Help

- In the changeset comment I write what I did.
- Sources: survey – important, because lot of mappers question you how did you get the information. Here I added what imagery I worked from, because I aligned buildings.



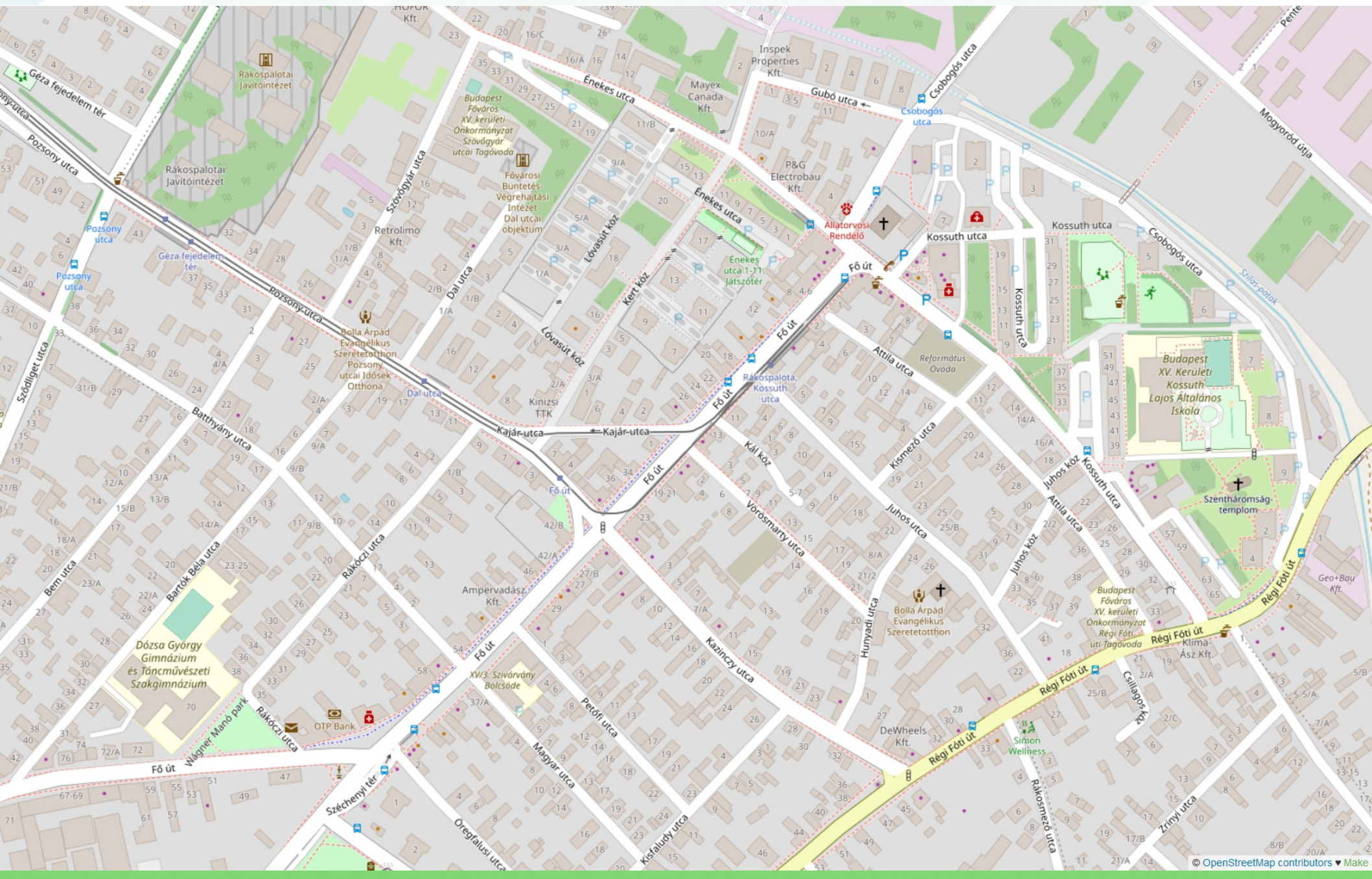


# Final Result

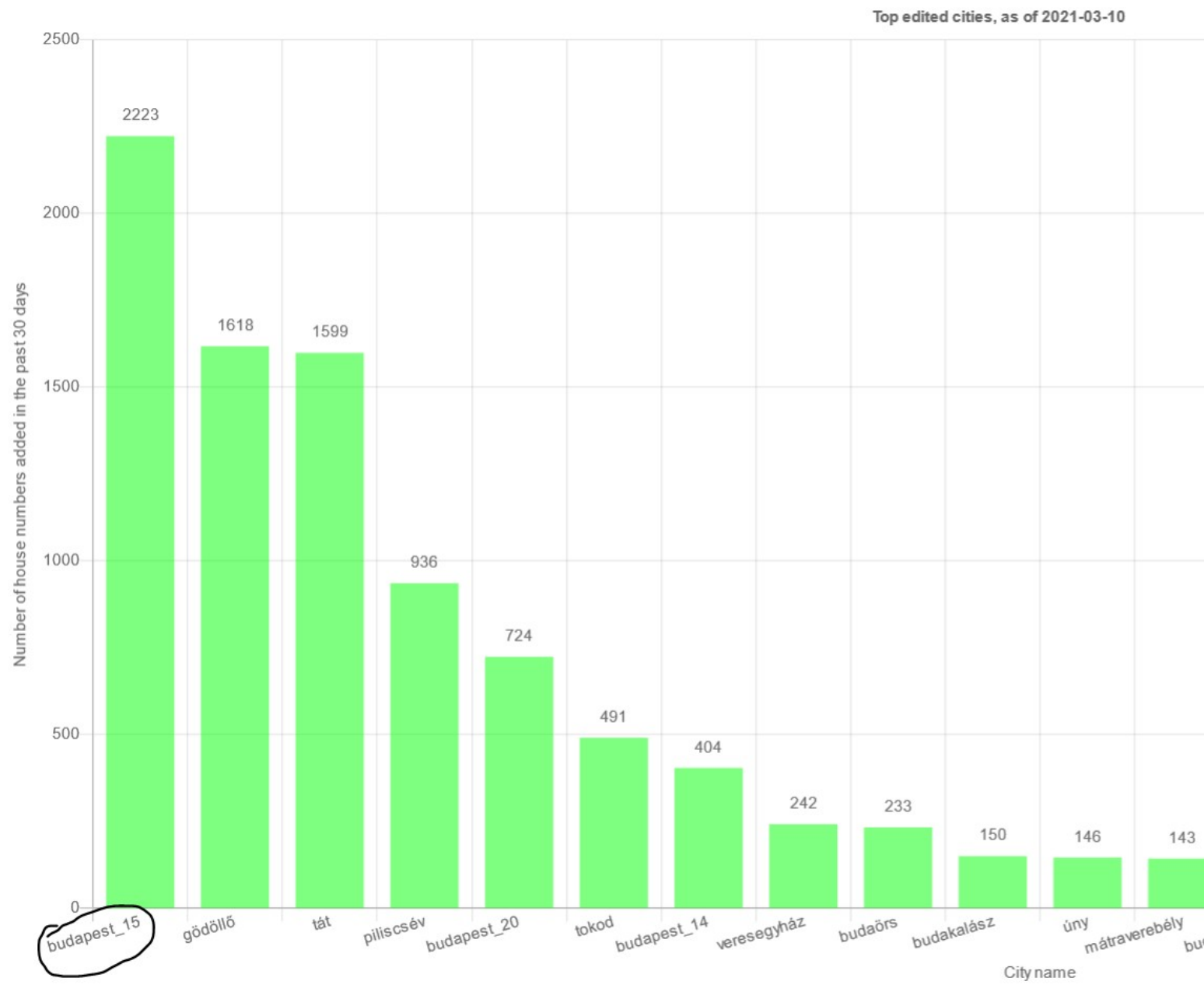




# Final result







Source:

<https://osm-gimmisn.vmiklos.hu/osm/housenumber-stats/hungary/>

# + Extra: Result of surveying the industrial area of Rákospalota

- I couldn't write down everything, but I recorded a lot to OSM by either internet research (+ knowledge) or surveying locally by bus



Benei, Bogáncs utca 3.  
(it makes cookies)



Workers' hostel, at the corner of  
Károlyi Sándor út and Felsőkert  
utca



End station of bus line 125,  
Recycling center (Károlyi Sándor  
út 166.)








And some other companies...





Thank you for your attention!  
Any questions?

