

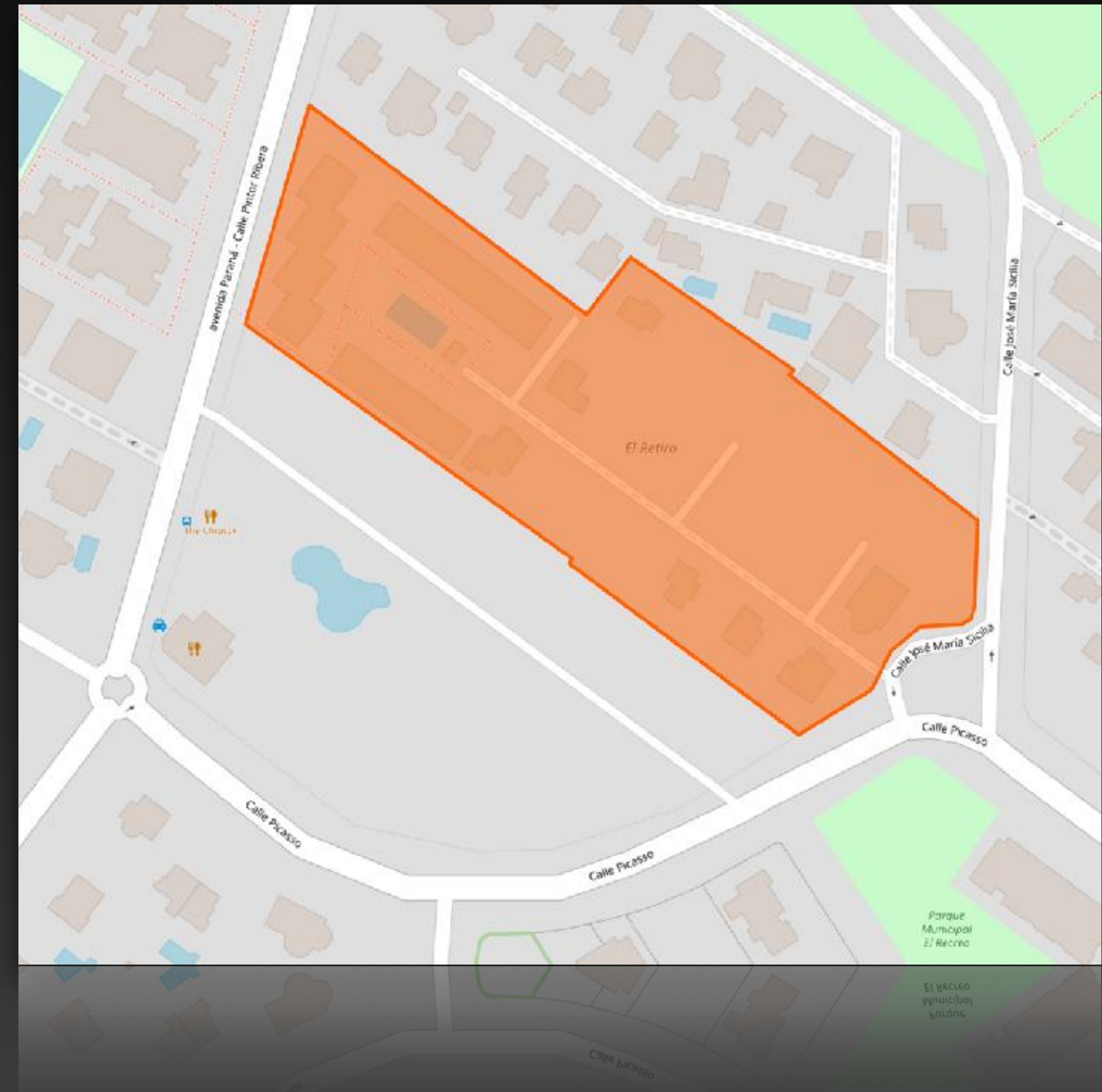
OpenStreetMap

What, why, how

Mathias Haugsbø 2023-11-02

Intro

- Importance of quality maps
- Apple Maps vs Google Maps in Venice?



Me - Mathias Haugsbø

- <https://mathiash98.github.io/>
- <https://github.com/mathiash98>
- 4-5 years as “Programvareinnvikler”
- Always looking for new interesting challenges
- Great interest for Open Data



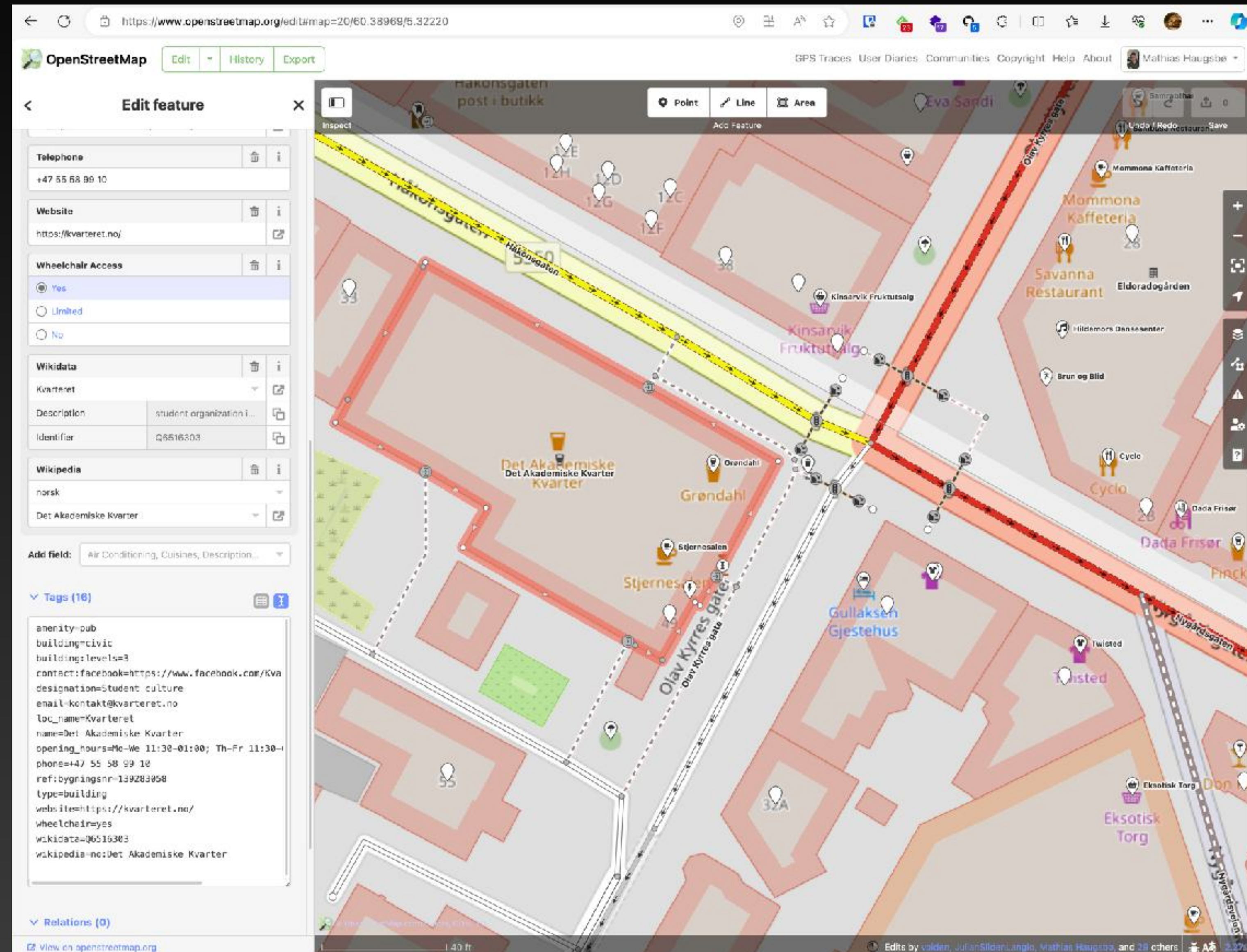
My interest for OpenStreetMap (OSM)

- Contributor since 2016
- Started when Snapchat introduced “SnapMap”
 - SnapMap uses Mapbox
 - Mapbox uses OSM



What is OSM

- 2004 - Steve Coast - Due to inaccessible map data
- Wikipedia of Maps
- Nodes
- Ways
- Relations
- Tags



Edit feature

Description	student organization i...
Identifiser	Q6516303

Wikipedia

norsk

Det Akademiske Kvarter

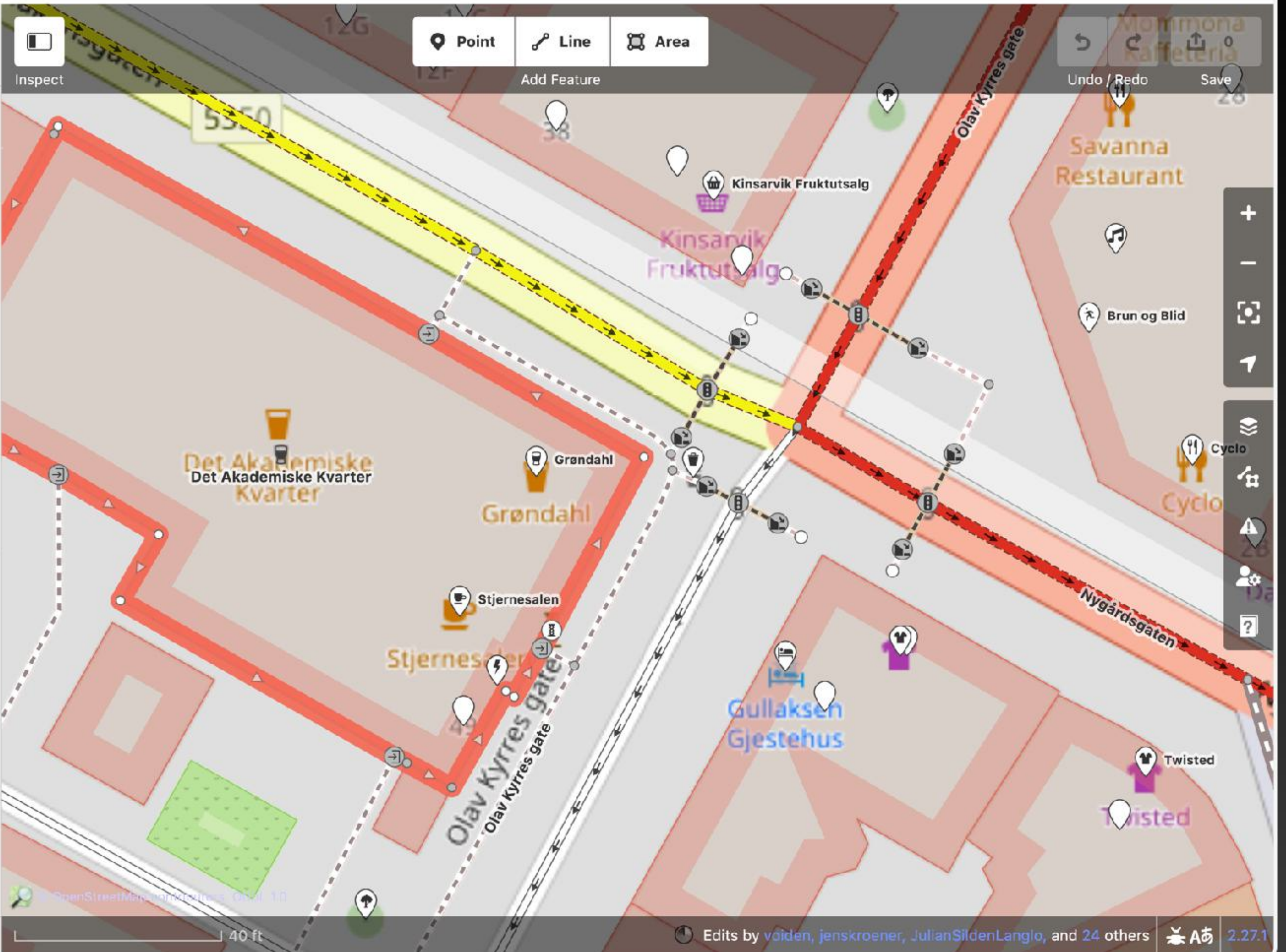
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Tags (16)

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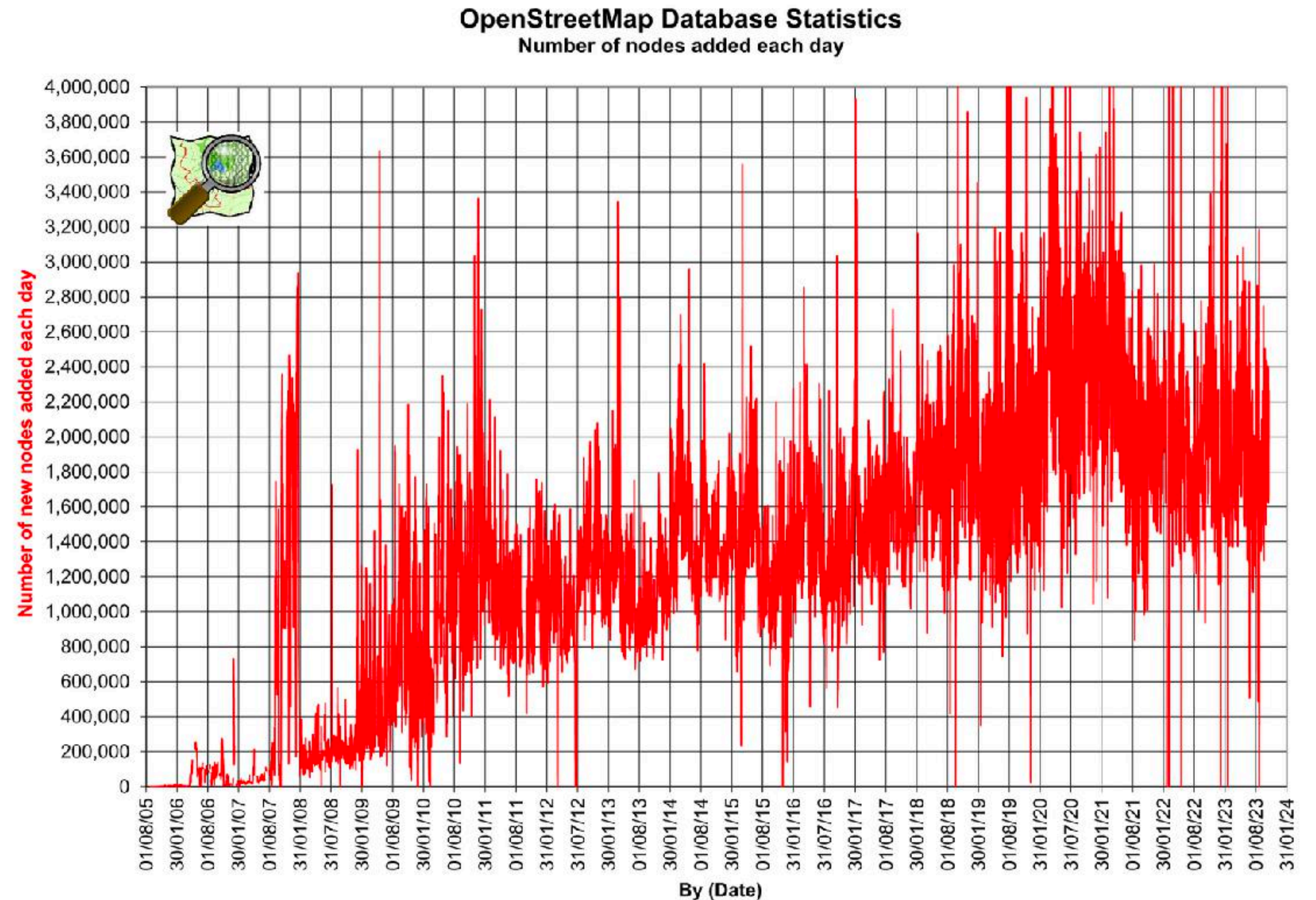
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Statistics

- PostgreSQL DB
- > 8.5 billion nodes
- ~1 billion ways
- 10 million relations

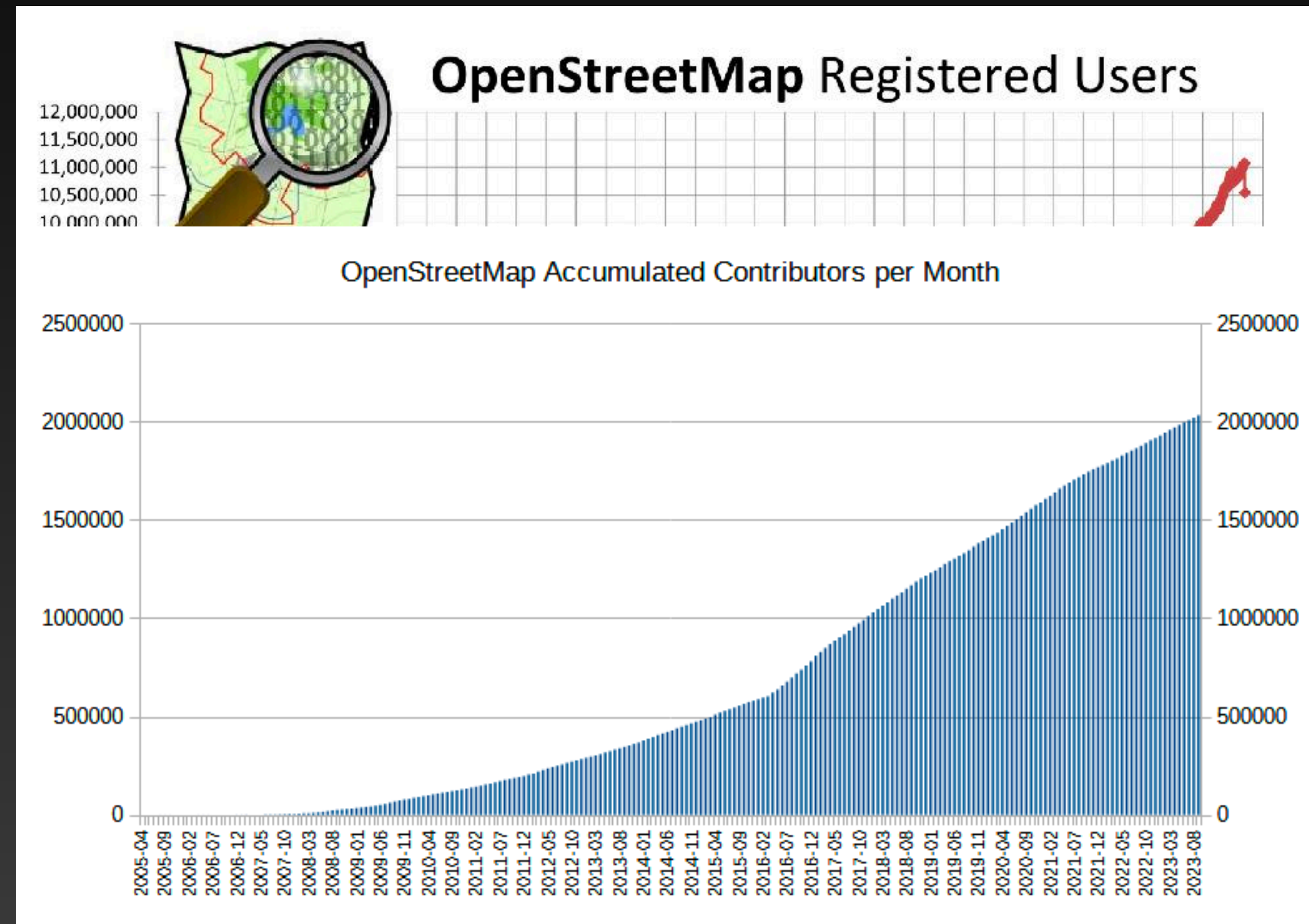


Consumers

- Entur
- Flight Simulator, Pokemon Go
- Bing, Apple, Facebook maps
- TomTom
- Amazon
- Tesla
- Uber
- Strava
- Garmin
- Mapbox
- Official government pages
- News outlets like NRK

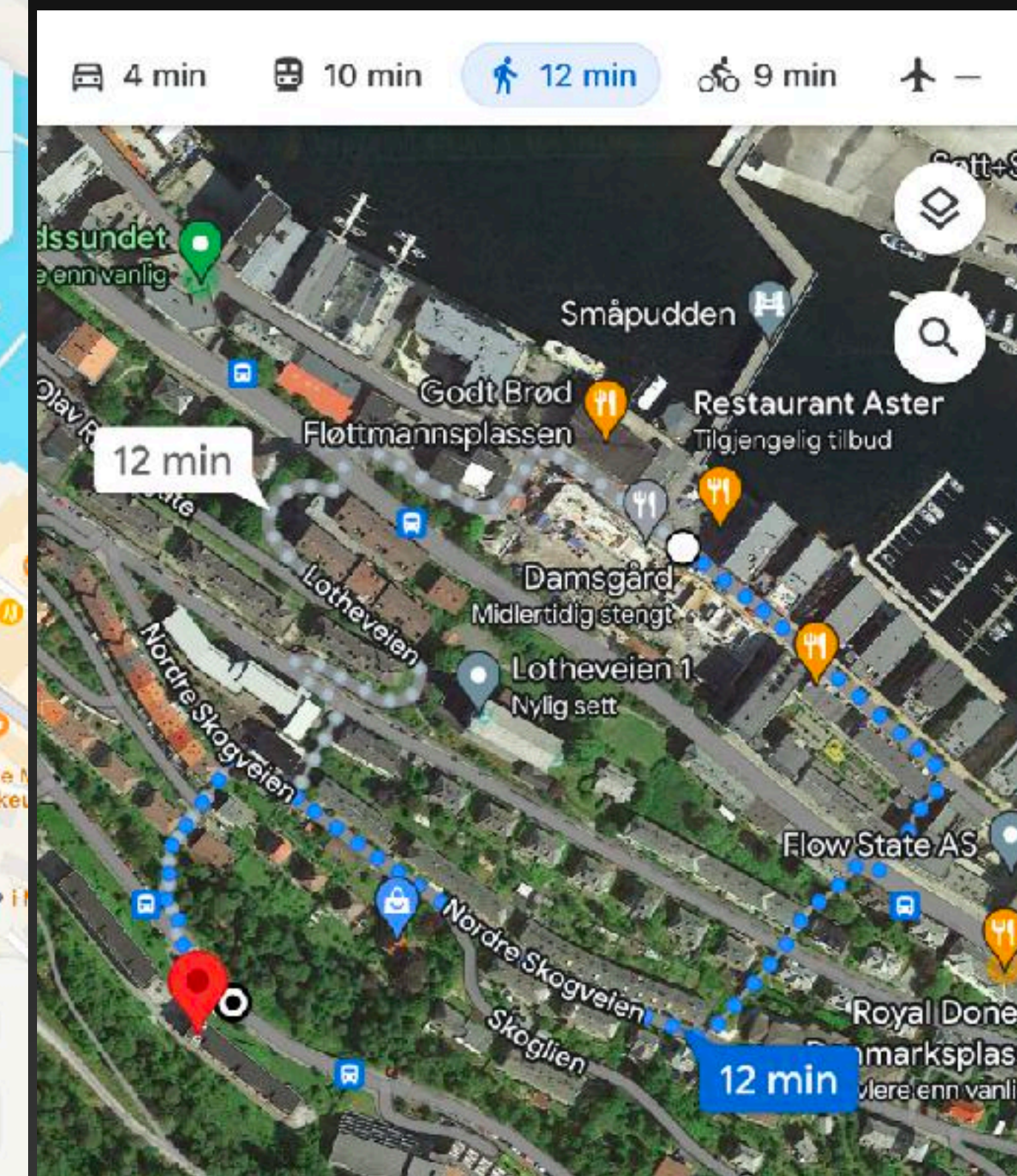
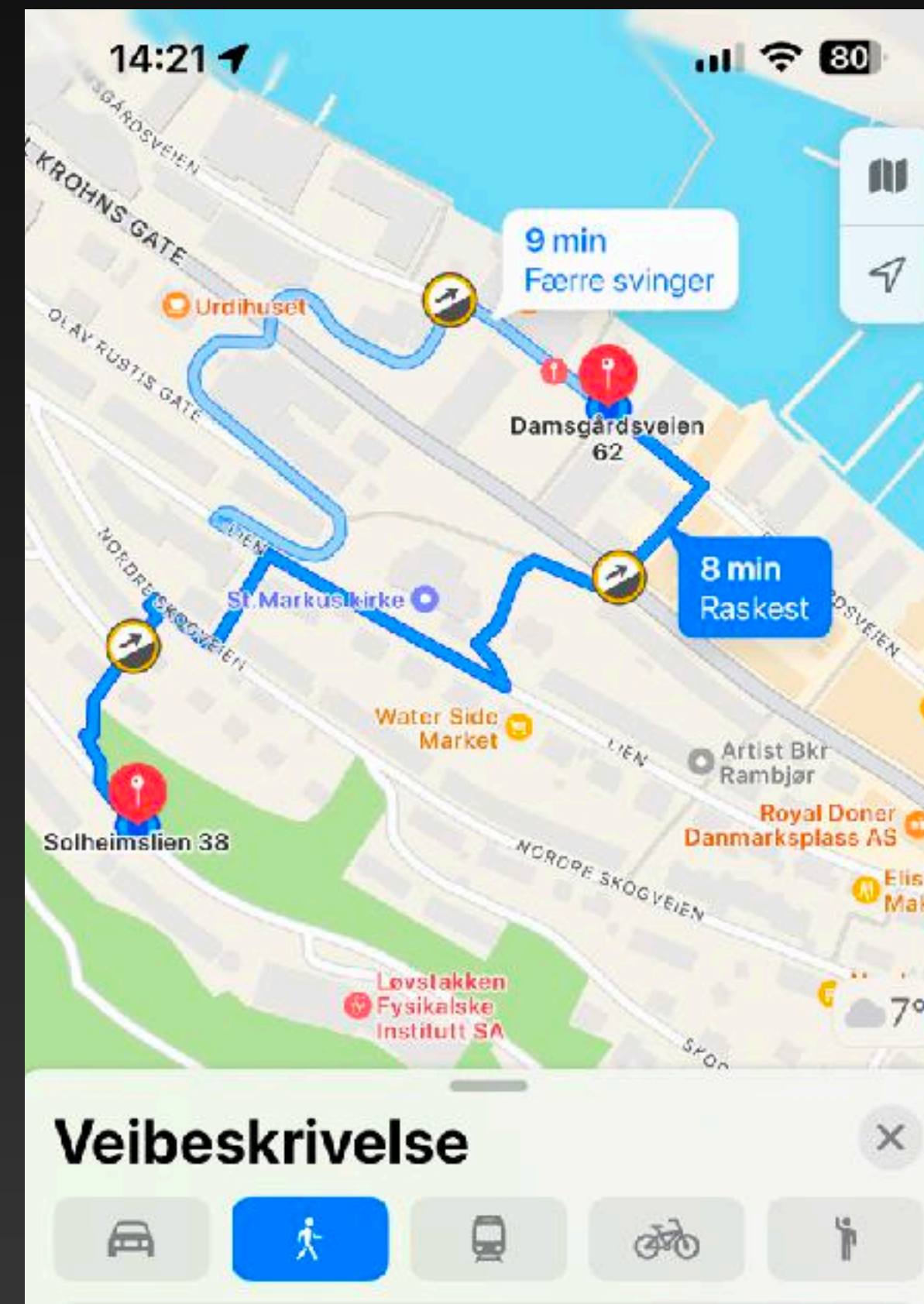
Contributors

- Mainly individuals from USA and Europe
- 10 million
- Started with GPS trails
- Access to satellite imagery
- More Open Source datasets with time
- More corporate contributors



Why should I care? And contribute?

- You don't need to
- I like to see projects grow
- High value in good open source datasets
- Improved routing

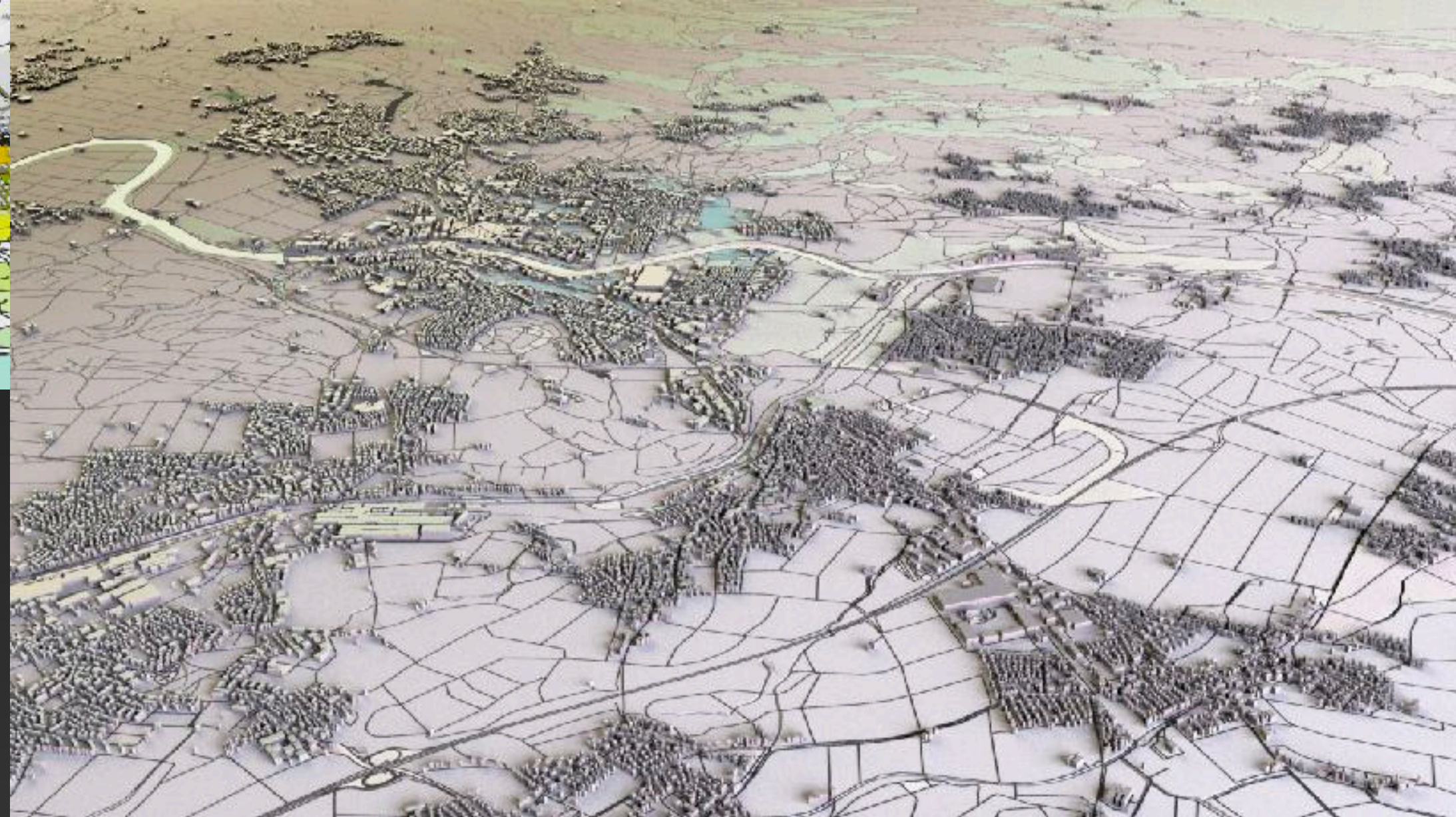
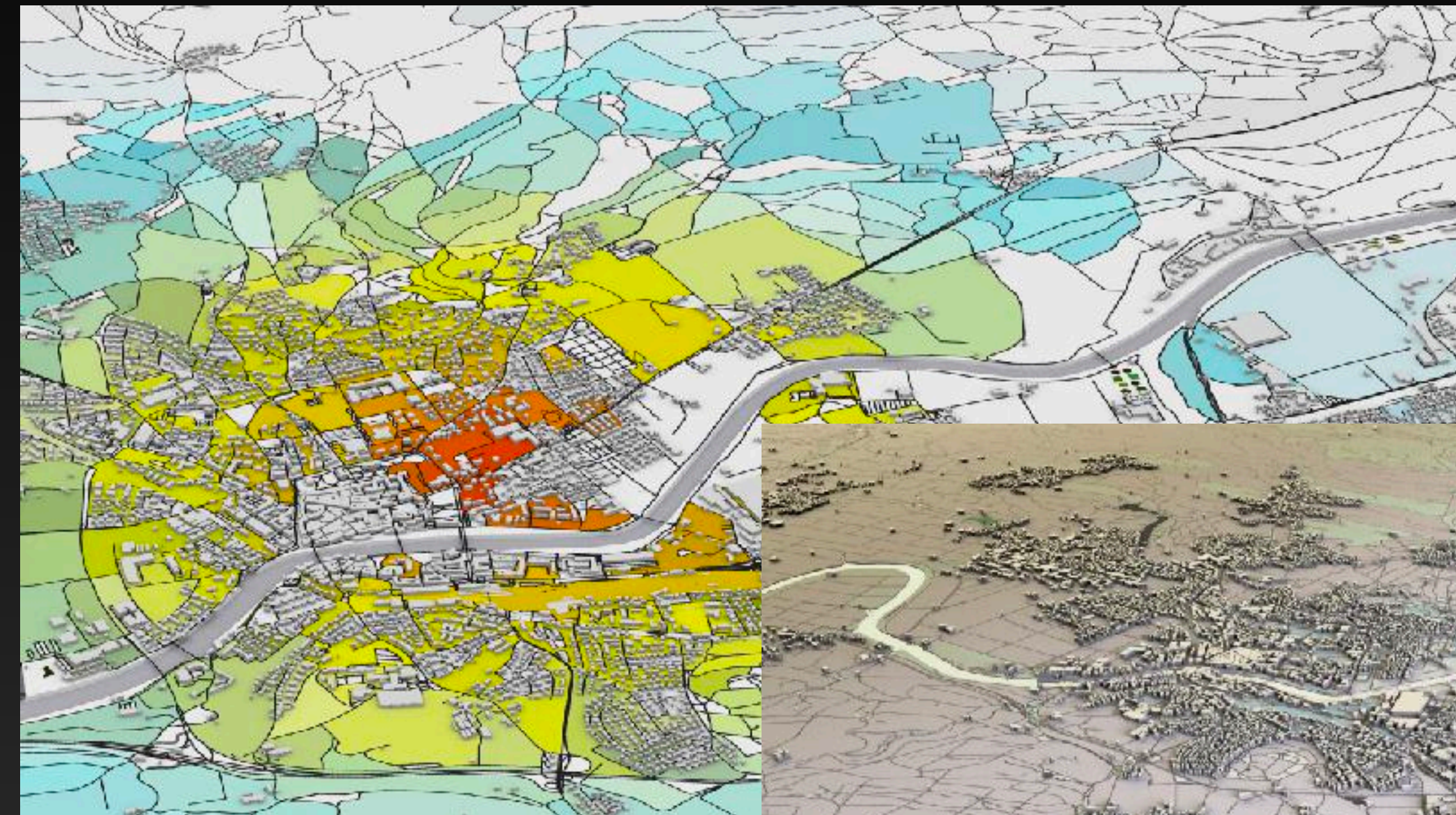


What to use OSM data for?

- Analytics
- Visualisations
- Art
- Games
- Web applications
- Trail map

What to use OSM data for

Art & visualisations



<https://microbot.ch/new/osm-data-visuals/>

What to use OSM data for Games



Trail Map Generator

<https://mathiash98.github.io/trail-map-generator>



Contribute?

- osm.org/edit
- Norwegian community
 - wiki.openstreetmap.org/wiki/Norway

