

FIELD DATA COLLECTION AND COORDINATION

OPENSTREETMAP

“HOW CAN WE BOOST OSM IN
OUR AREA BY ORGANISING A
SOCIAL EVENT?

OSM Contributor



- ◆ SOCIAL ORGANIZATION
- ◆ TOOLS TO CAPTURE DATA
- ◆ QUESTIONS

TALK OUTLINE



MAPATHON

Social evening where
everyone maps

Missing Maps
from the Red Cross and HOT

**“HOW TO AVOID CONFLICTS OR
TO SET SOME MAPPING
GOALS ?”**

- ▶ Intuitive tool to sort an area into a grid
- ▶ Collaboration between contributors
- ▶ Minimum risk of overlapping work areas
- ▶ Initially from HOT: <http://tasks.hotosm.org>
- ▶ Other instances:
 - ▶ FR: <http://taches.francophonelibre.org>
 - ▶ OSM Cameroun ...

#2665 - Cyclone Enawo: Maroantsetra, Madagascar 2 - BUILDINGS TASK - Post-event Imagery

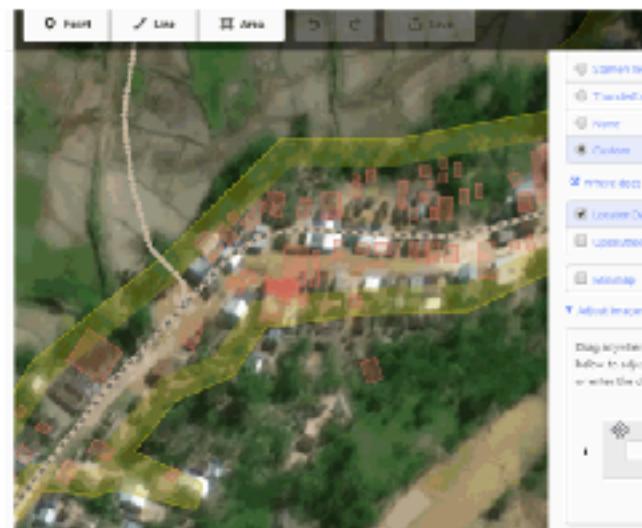
Description Instructions Contribute Activity Stats

- Requesting Organization: IFRC
 - Priority: Urgent

This project is for more intermediate and advanced mappers.

BUILDINGS ONLY.

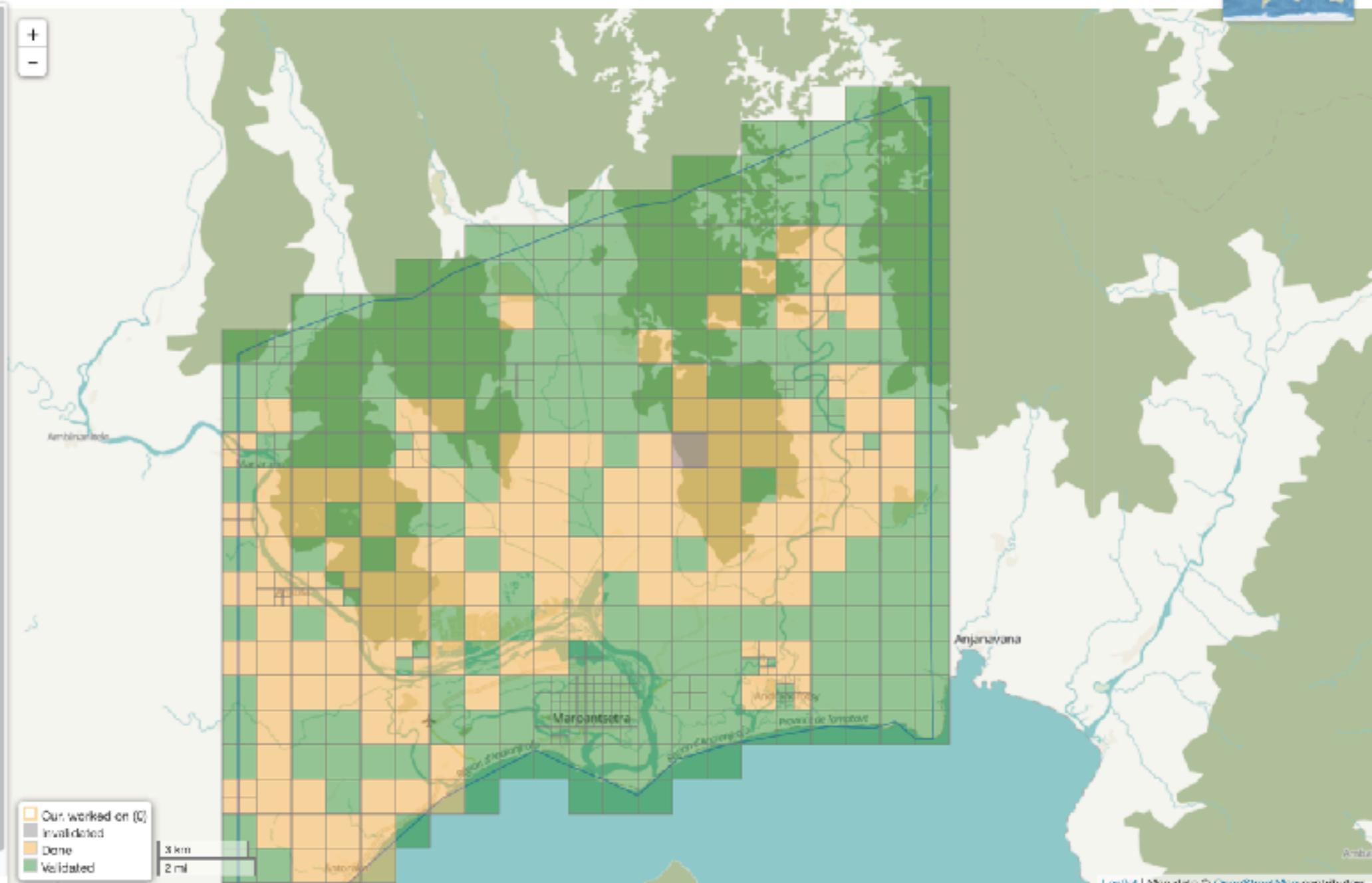
*There is an offset between the provided imagery and what has been previously mapped. Please align the imagery before mapping. An offset has been uploaded to the offset database for use in JOSM, however this may not be consistent a



On Tuesday, March 7th, a Cyclone Enawo with wind speeds equivalent to that of a category 4 hurricane, made landfall in the north east of Madagascar. This is the strongest cyclone that has impacted the country in the last 13 years. Much of the nation's roads are dirt, and due to rains and flooding, reaching the most heavily impacted areas will be difficult. Until cloud free, post-event imagery is available, ensuring a complete road network for base map data is important for organizations responding on the ground.

Created by Gislet - Updated a month ago - Priority: medium

→ Instructions



OVERVIEW OF THE PROCESS

- ▶ Administrator: selects an area requiring updating
 - ▶ Suitable satellite imagery, level of detail, urgency
- ▶ One mapper: selects task, maps the area and submits
- ▶ Another mapper: checks and validates

TOO MUCH TO MAP ? SPLIT !

Please

#2768 - Northern Borno Mapping for Reach Every Settlement (RES) & Reach Inaccessible Chi

Description Instructions Contribute **Activity** Stats

Task #131

Locked by you. Stop mapping

118 min. left

Exit with ▾

Tip: Download the following [.gpx file](#) and load it in .OSM in order to see the current task boundary.

Task is too big? [Split](#)

Leave a comment

Stop mapping Mark task as done

Locked by Gustry a minute ago

Locked by MatsNanaimo 21 days ago for 3 minutes

Locked by Jozef020 2 months ago for a minute

Locked by Chloe Forlini 2 months ago for 2 minutes

Zaga

Turbun Buhari

Cameroon/Congo/DRC

Niger

Estuaire Nord

Sour

Galt Sagine

Chiboba



ORGANISE A
MAPPING PARTY

LET'S HAVE FUN
TOGETHER

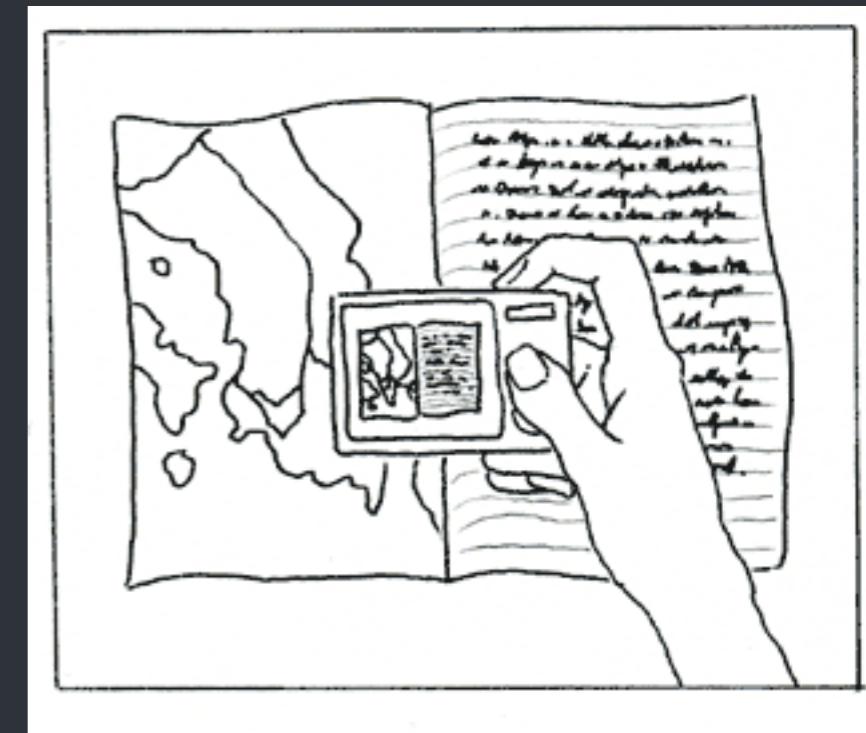
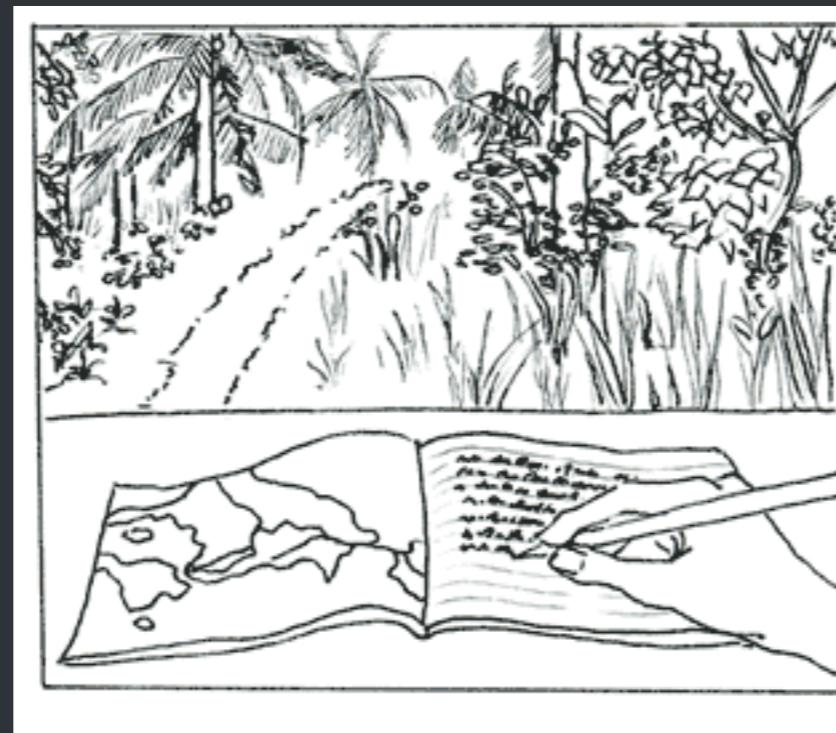
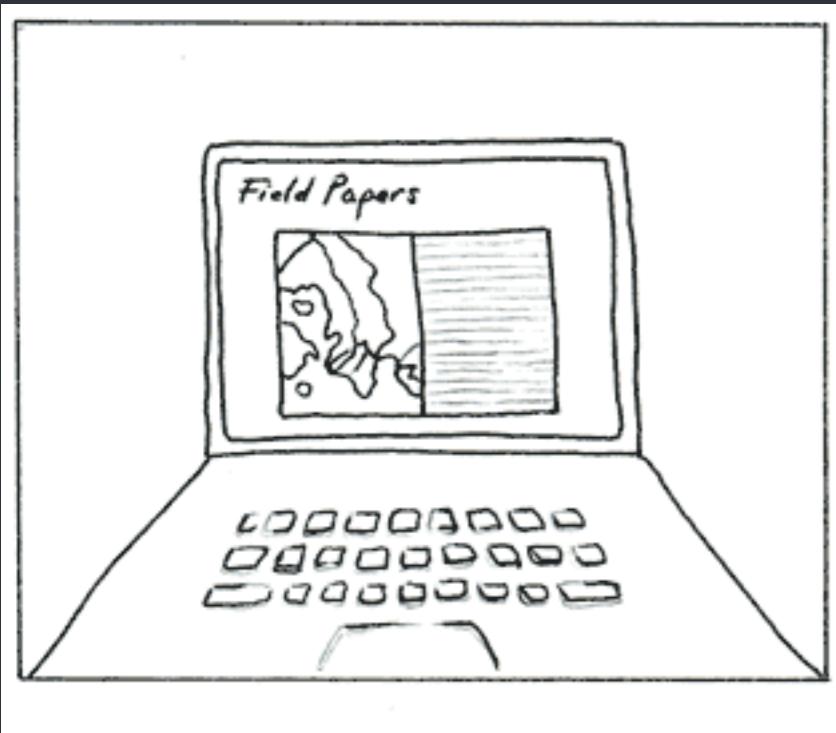
MAPPING PARTY

- ▶ Group of mappers on the ground
- ▶ Set some goals, an area and a timeframe
- ▶ Mix advanced and new contributors
- ▶ Prepare some training and supports



SOME TOOLS NEEDED FOR A MAPPING PARTY





MAKE
YOURSELF
AN ATLAS

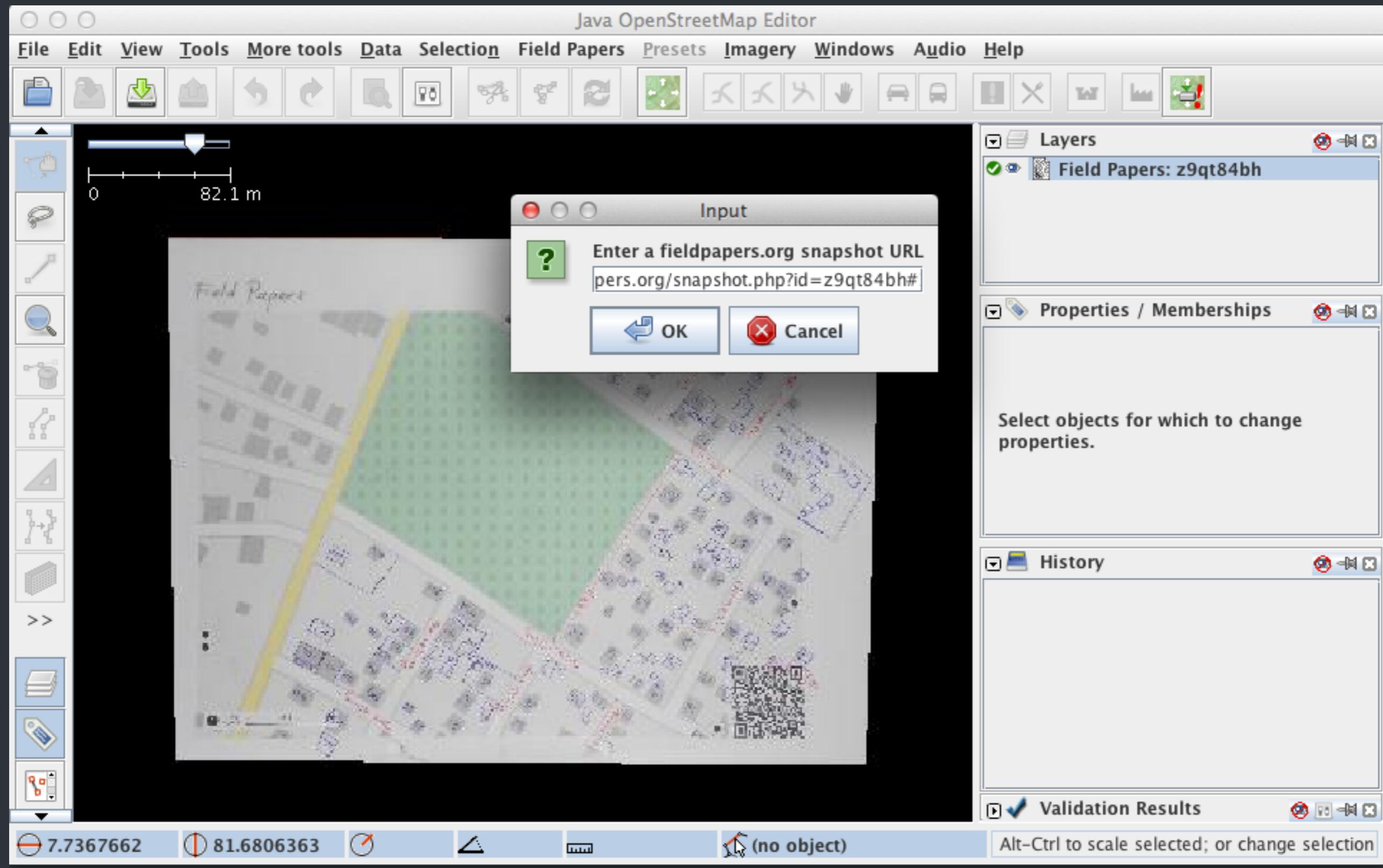
TAKE IT
INTO THE
FIELD

CAPTURE
YOUR
NOTES

Field Papers

<http://fieldpapers.org/atlas.php?id=9846trhb/A1>





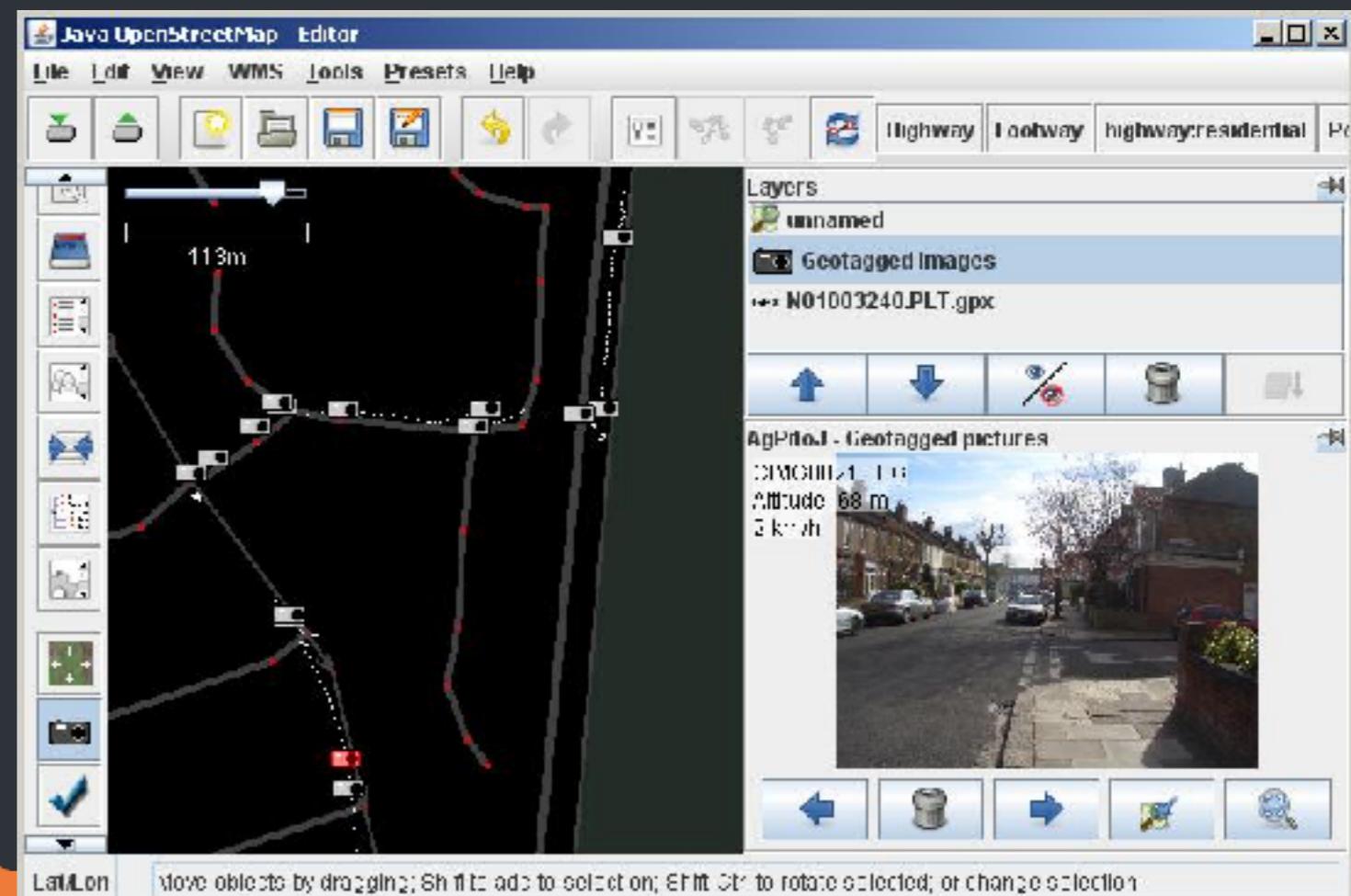
Add the number ID on the map for saving spaces

HOW TO LOG OBJECTS ?

- ▶ Any GPS units:
 - ▶ Hiking GPS devices
 - ▶ Smartphones

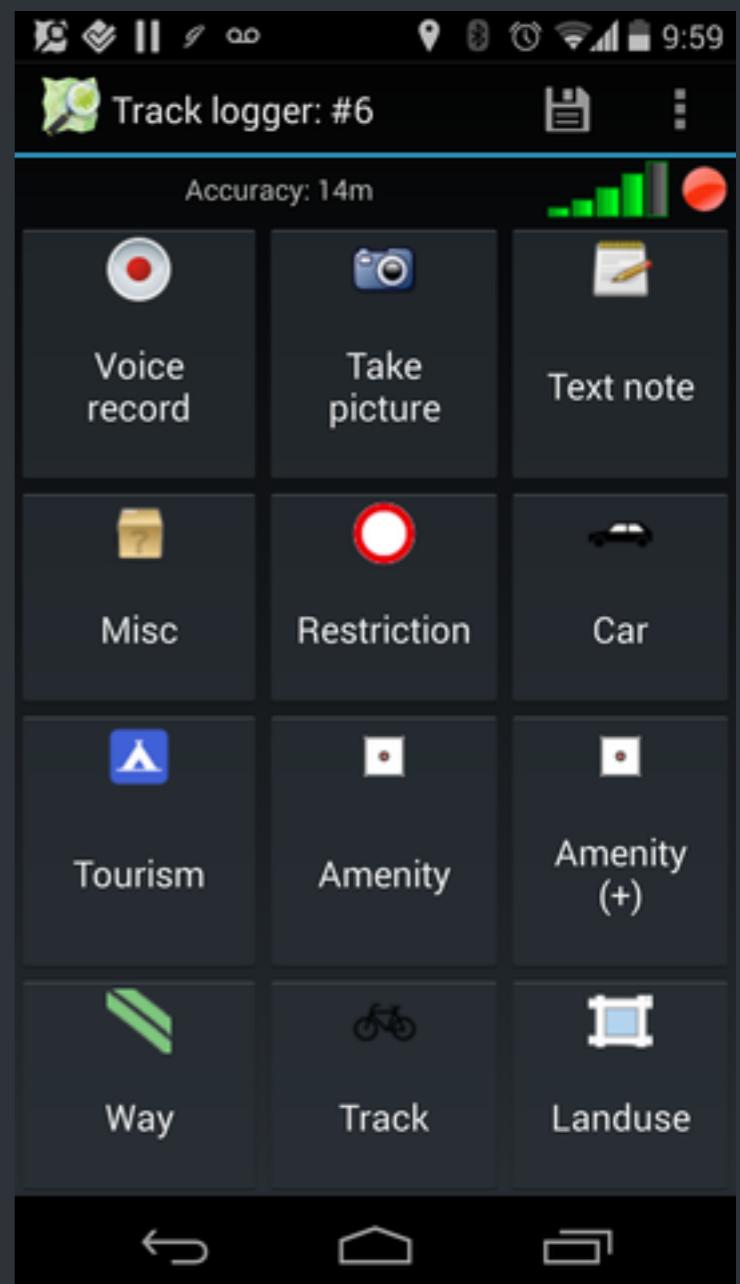
HOW TO LOG OBJECTS ?

- ▶ Smartphone (GPS + Camera) : geolocated photos
- ▶ Use normal camera + GPS tracker : correlate position with timestamp



SMARTPHONE APPLICATIONS

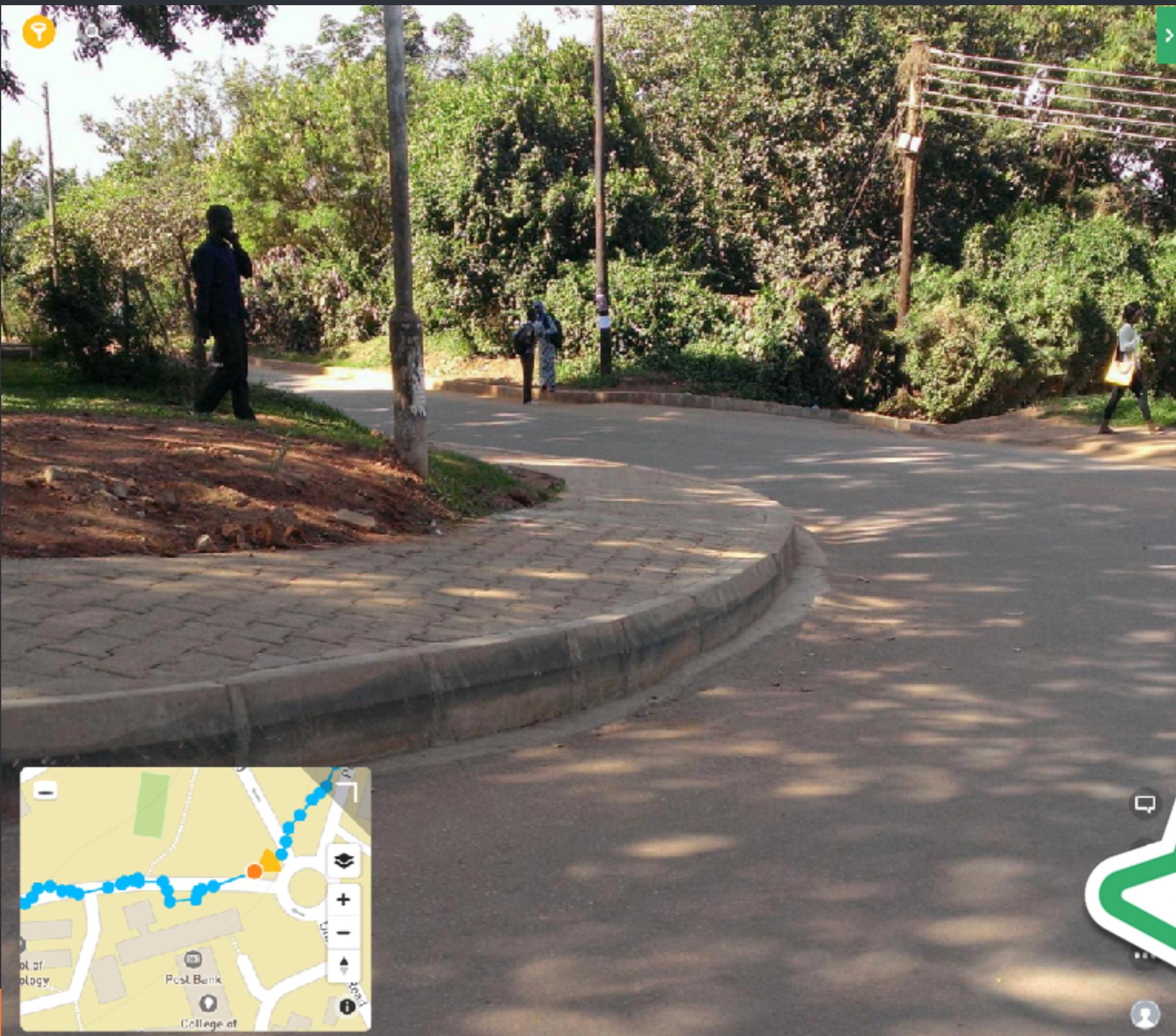
- ▶ Mapzen, Vespucci: OSM Editor
- ▶ Difficult to use and slow to capture
- ▶ OSM Tracker: my favourite!
- ▶ OruxMaps ...



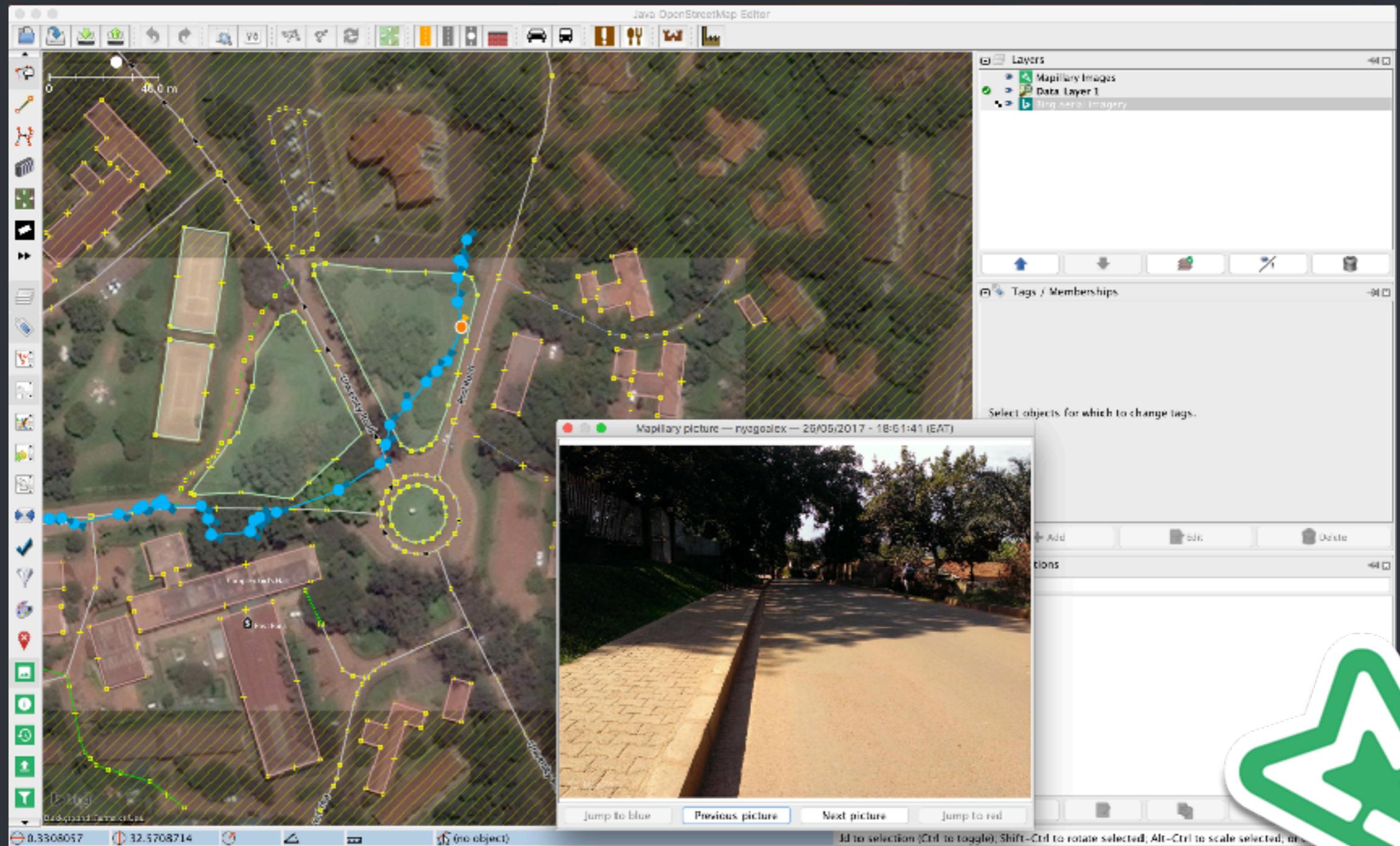
- ▶ <http://www.mapillary.com>
- ▶ Startup in Sweden
- ▶ One purpose: represent the whole world with photos
- ▶ Crowdsourcing
- ▶ Android, iOS, Windows Phone, Blackberry
- ▶ CC BY-SA
- ▶ There is special permission to derive data for contributing to OSM
- ▶ API (with some potentials fees)
- ▶ Integrated with iD and JOSM



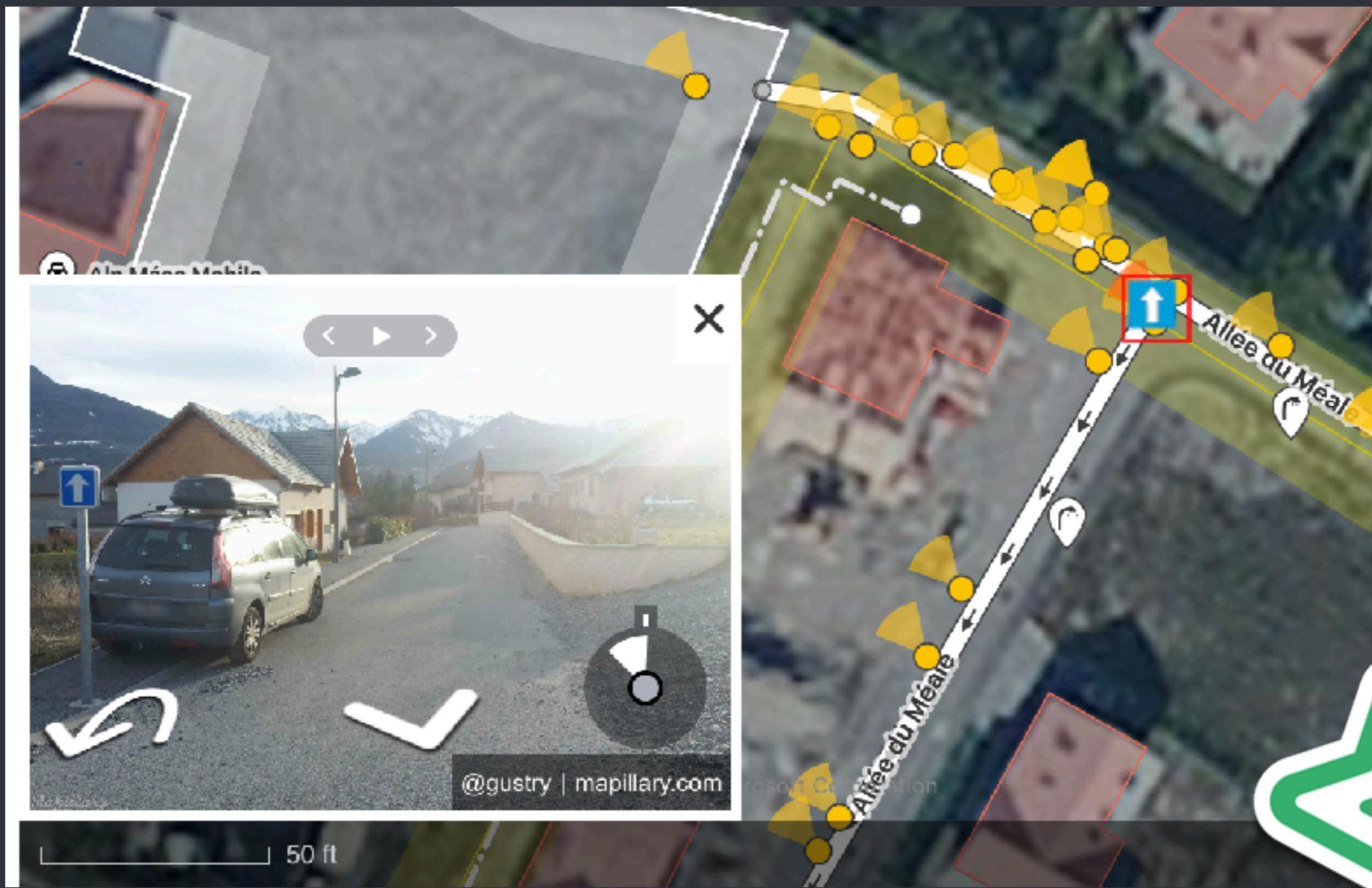




► Integrated with JOSM and iD



► Traffic road sign detection





QUESTIONS?