

# Expanding and Updating OSM Data with Deep Learning

# The problem

- Open Street Map
- OSM data is not available everywhere and it's also not updated everywhere in a high frequency

Why not use the OSM labels for expanding the dataset to less covered areas and help the data to be updates?



# The Framework

- WebScraping
- Checking labels and cleaning data
- Select features
- Narrow detections (South America? Africa?)
- Gather images from WMTS service and cut it and other pre-processing
- CNN and Vision Transformer
- Model assessment and comparison