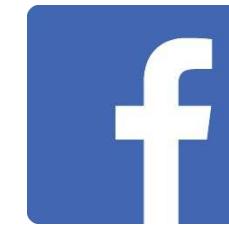


Indonesia Road Mapping

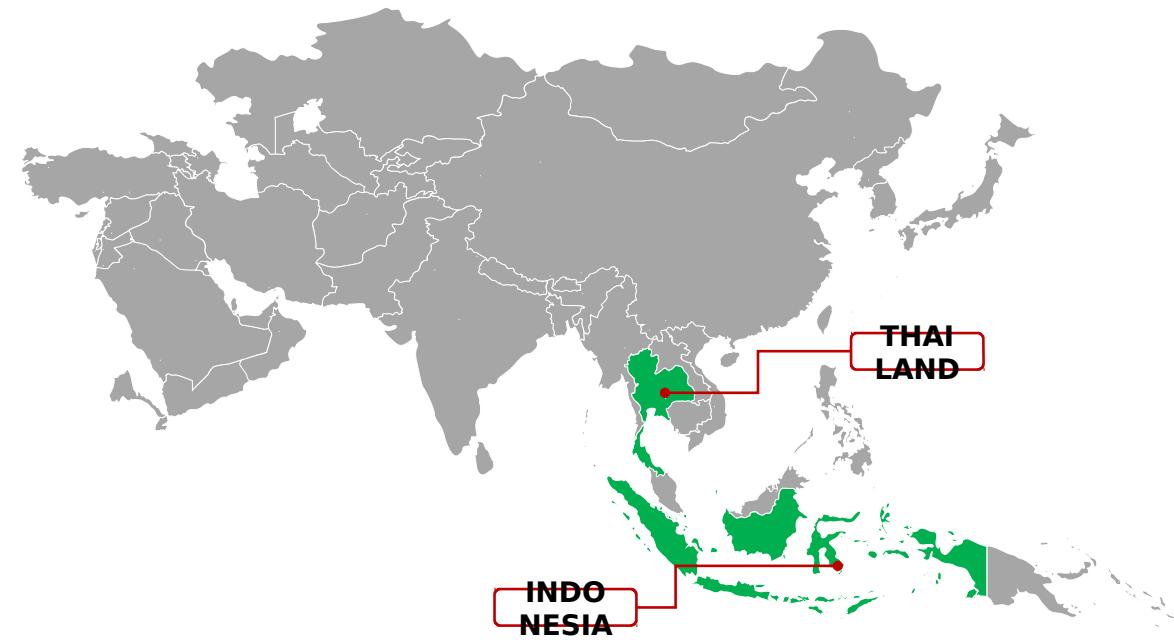
Wulansari Khairunisa
Humanitarian OpenStreetMap Team Indonesia



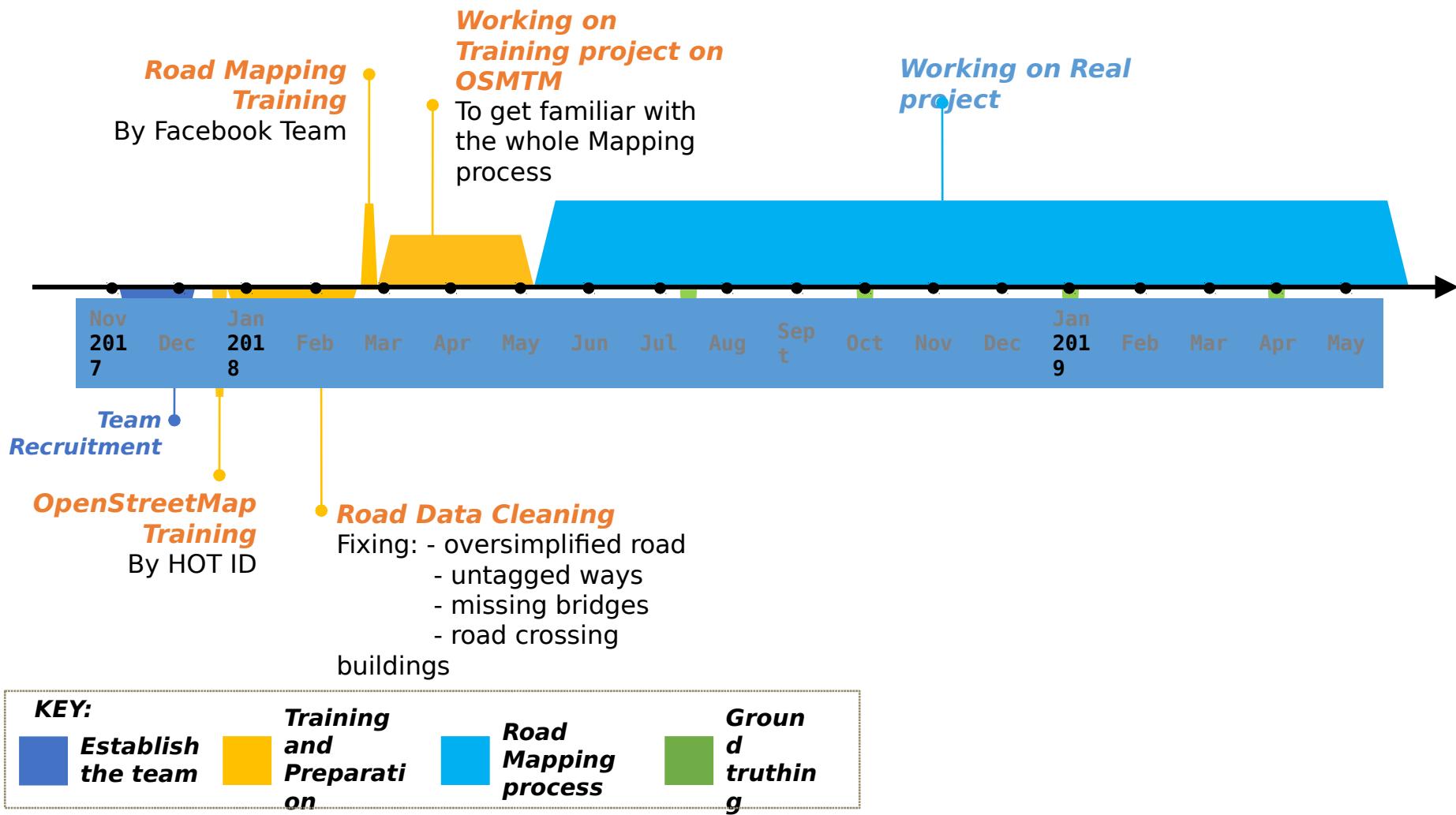
Partnership



OpenStreetMap
Indonesia



Timelines



Current progress (by July 2018)

1.912.081

Submitted nodes,

65.096

Submitted ways,

28.857 km

Length of Submitted ways,

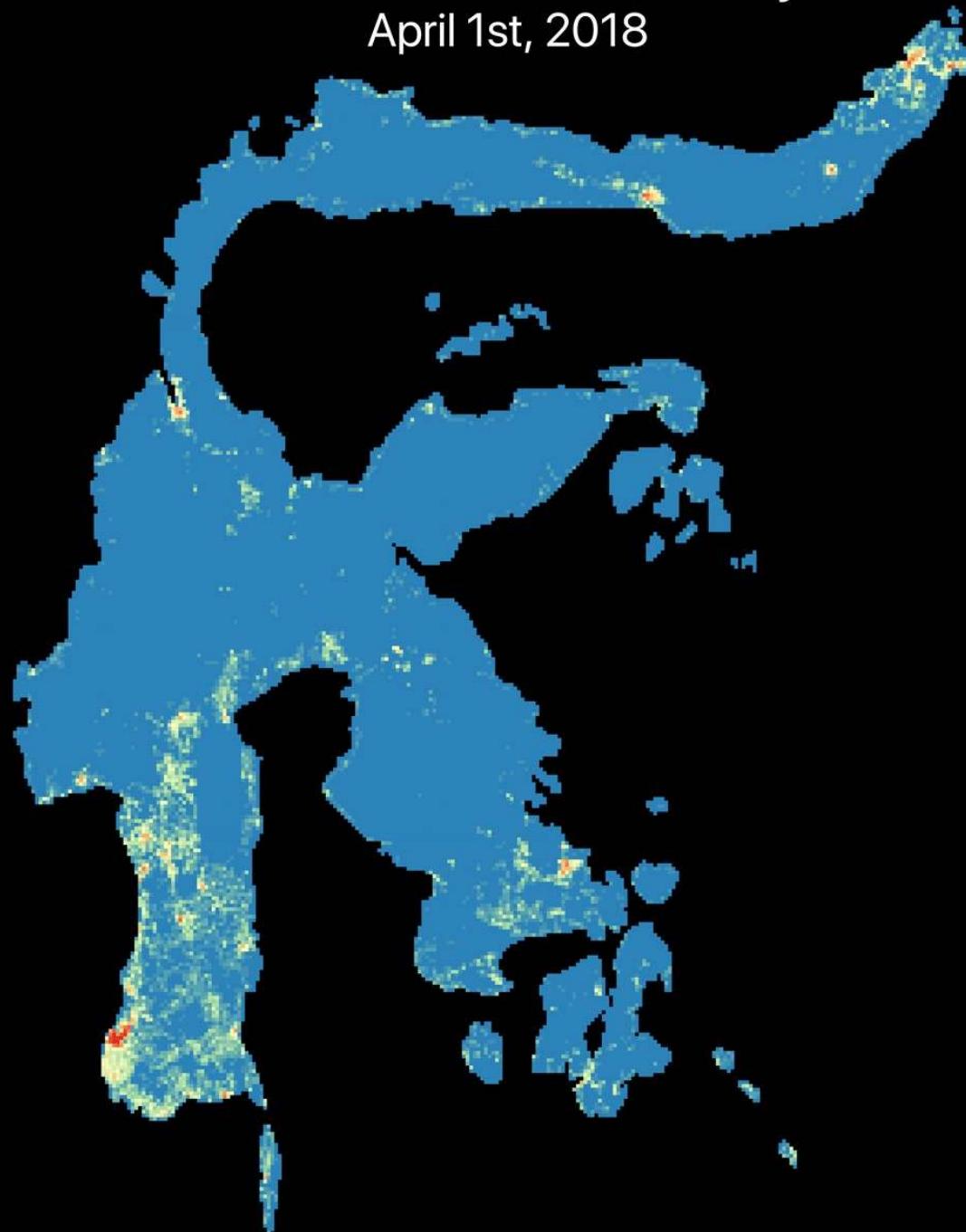
6 of 34

Provinces.



Sulawesi Road Density

April 1st, 2018

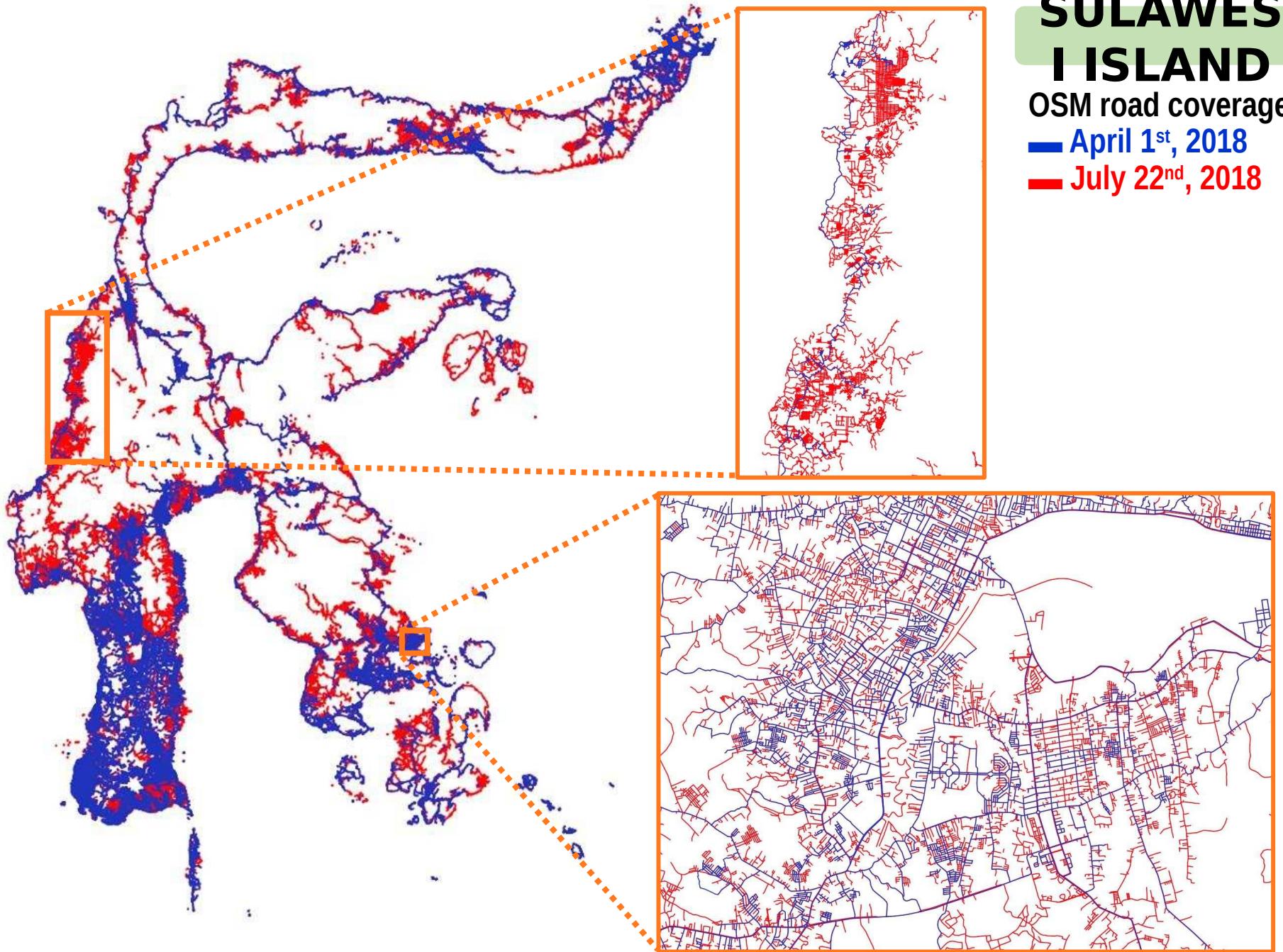


SULAWESI ISLAND

OSM road coverage

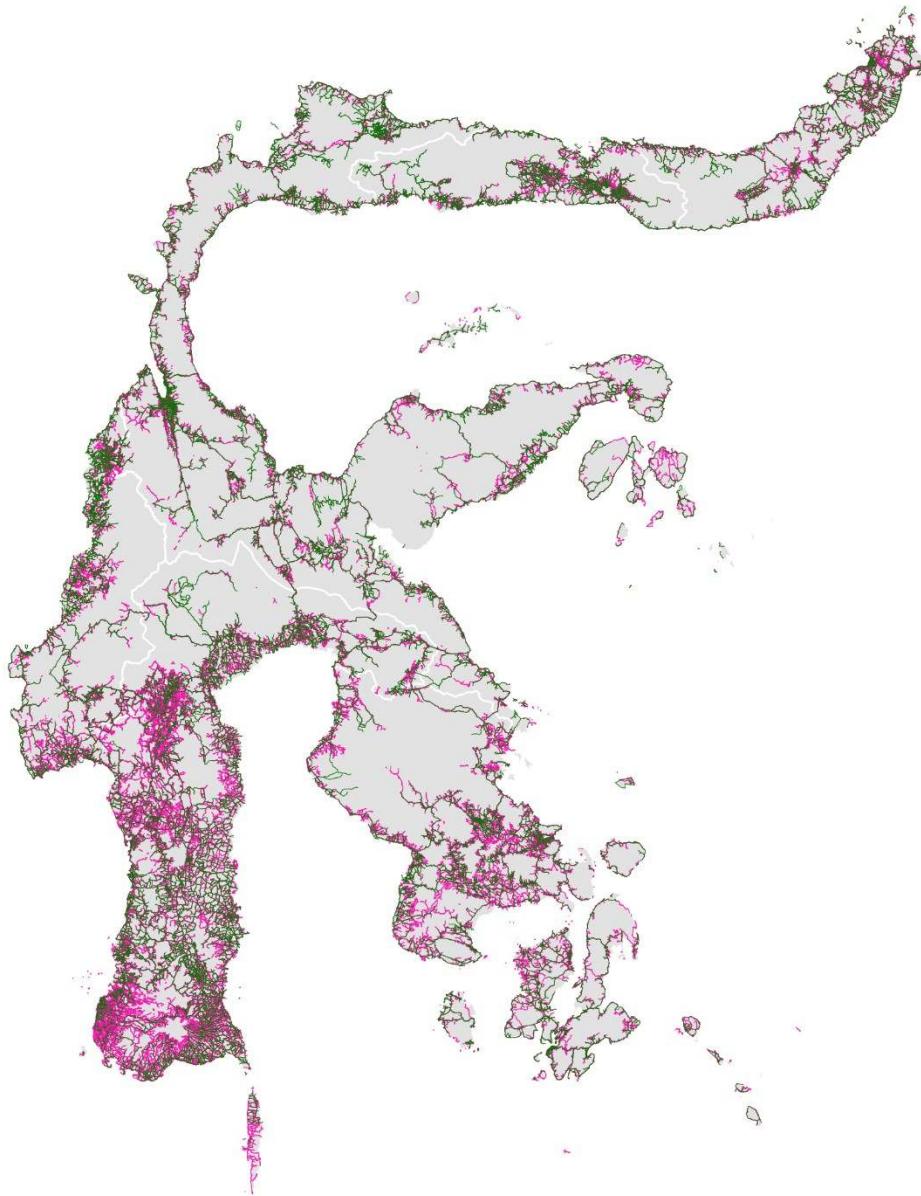
April 1st, 2018

July 22nd, 2018



MAP COMPARISON

SULAWESI
ISLAND



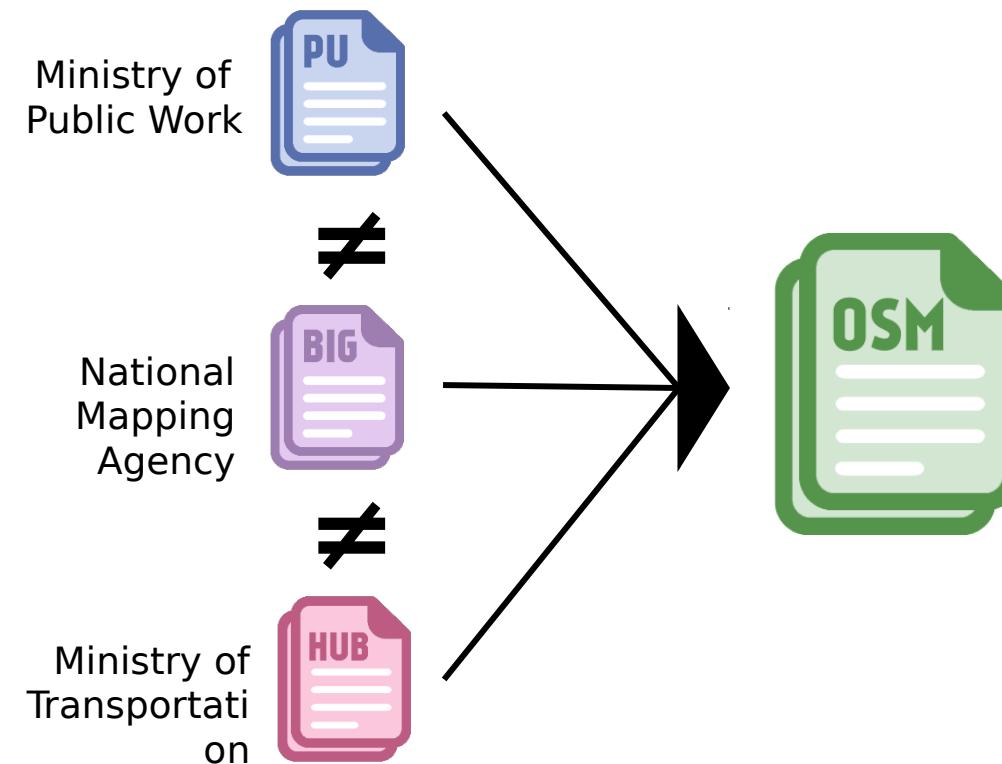
— National Mapping Agency

— OpenStreetMap

Challenges

- Determining road classification

Differences in road classification standards from 3 authorized national institutions.



Challenges

- Determining road classification
 - Differences in road classification standards from 3 authorized national institutions.
 - Indonesia as maritime country which has different road characteristic in each islands.



Challen ges

- Quality of the satellite ima



Opportunities

- More contribution / collaboration from local people

TRAINING & DISCUSS.



Two local universities in South Sulawesi
1. HASANUDDIN UNIVERSITY - Civil Engineering
2. STATE UNIV. OF SOUTH SULAWESI - Geography



Opportunities

- More contribution / collaboration from local people

GROUND TRUTHING



The frequently found objects that are hard to identify from satellite imagery :

- Small bridges
- Disconnected roads because of seasonal floods or waterway
- Building above the

- Small bridges



- Disconnected roads because of seasonal river or floods



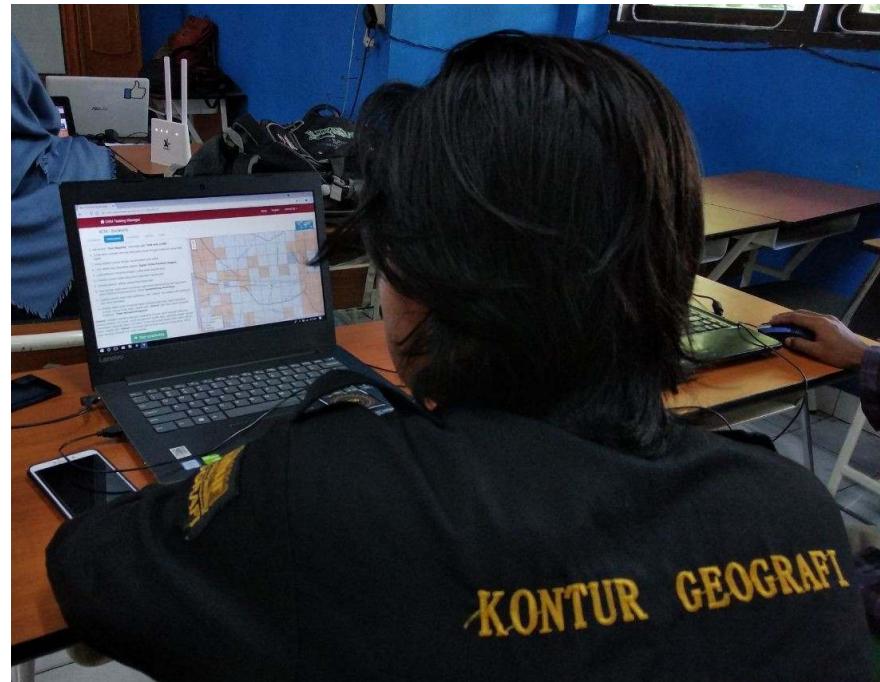
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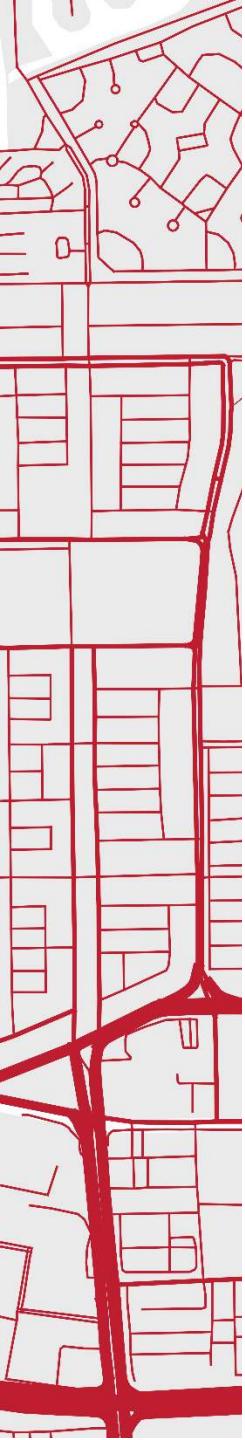
- Building above the street



Opportunities

- Increase the use of OSM data in various fields





Opportunities

- OSM can be the solution for these **problem in Indonesia:**
 - Low awareness to spatial data
 - Spatial data is not up-to-date
 - Spatial data is not free, required high cost

Team Tech

