Indonesia
Road Mapping

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Partnership

OpenStreetMap
Indonesia

THAI
LAND

INDO
NESIA
Timelines

**Road Mapping Training**
By Facebook Team

**OpenStreetMap Training**
By HOT ID

**Road Data Cleaning**
Fixing: - oversimplified road
- untagged ways
- missing bridges
- road crossing buildings

**Working on Training project on OSMTM**
To get familiar with the whole Mapping process

**Working on Real project**

**KEY:**
- Establish the team
- Training and Preparation
- Road Mapping process
- Ground truthing

Current progress (by July 2018)

- Submitted nodes: 1,912,081
- Submitted ways: 65,096
- Length of Submitted ways: 28,857 km
- Provinces: 6 of 34
Challenges

• Determining road classification

• Differences in road classification standards from 3 authorized national institutions.

- Ministry of Public Work
- National Mapping Agency
- Ministry of Transportation

OSM
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.
Challenges

- Quality of the satellite images
Opportunities

• More contribution / collaboration from local people

TRAINING & DISCUSSION

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
- 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