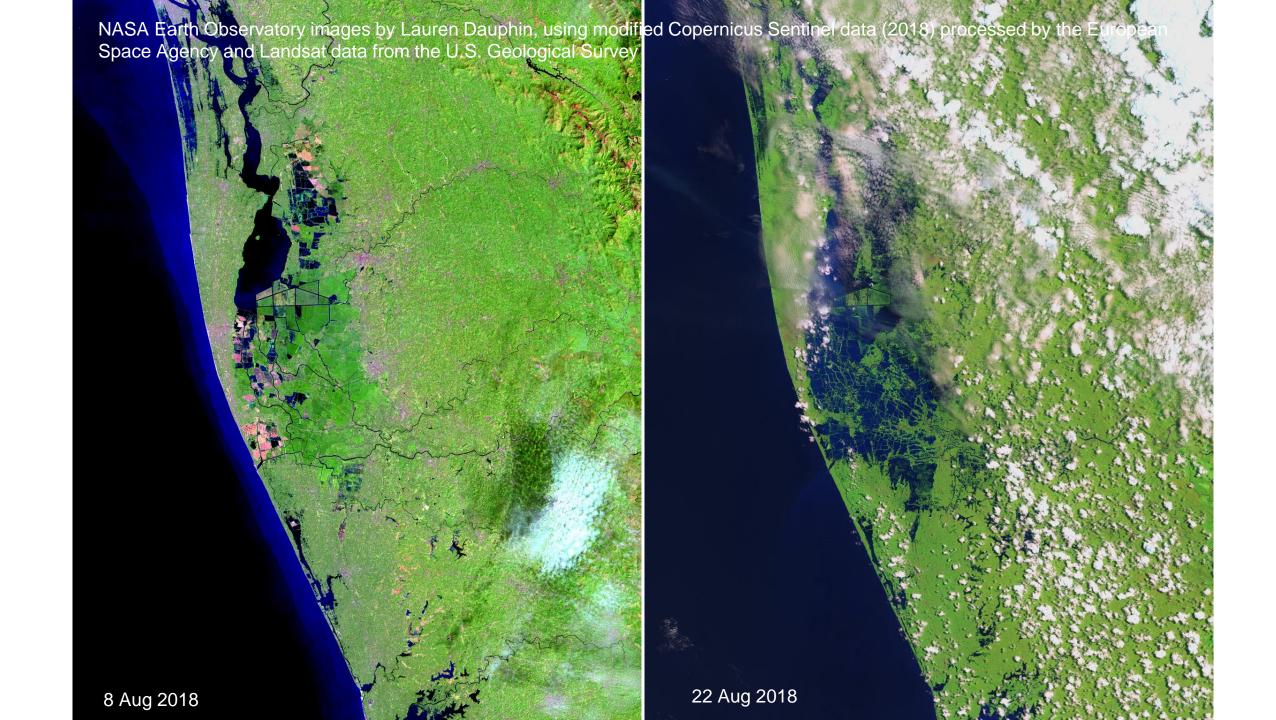
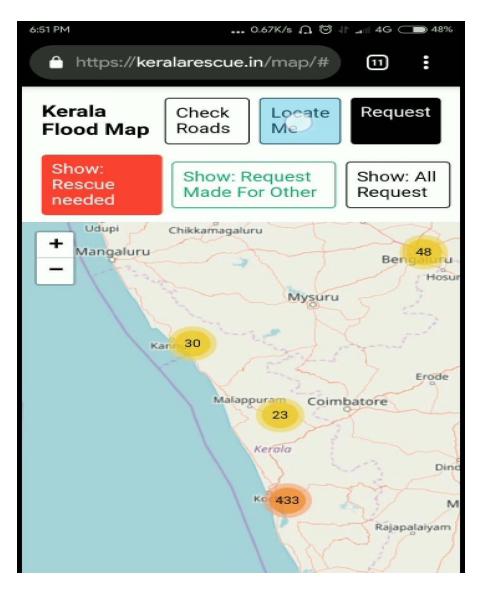
# The maps that saved lives during Kerala floods

Manoj Karingamadathil

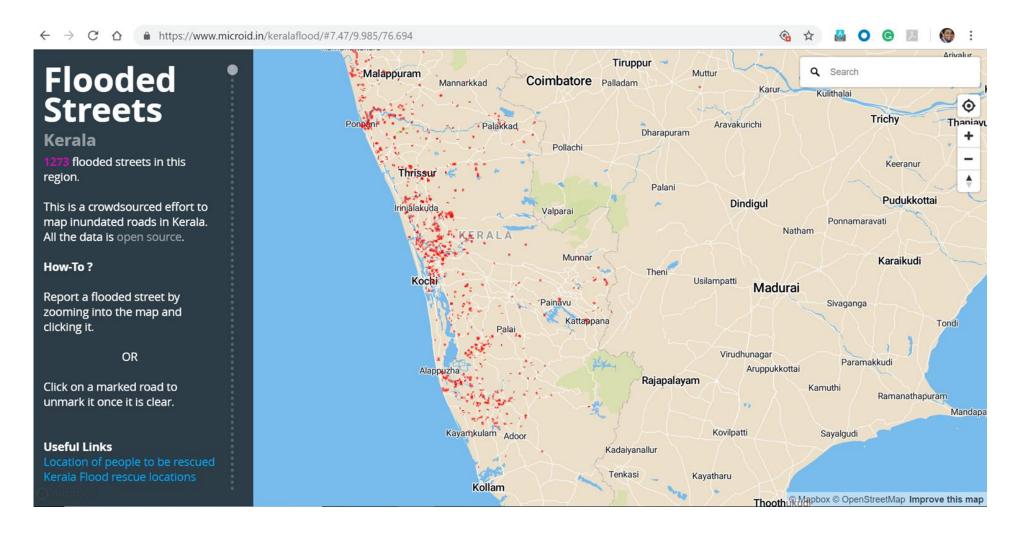
OpenStreetMap Kerala Swathanthra Malayalam Computing







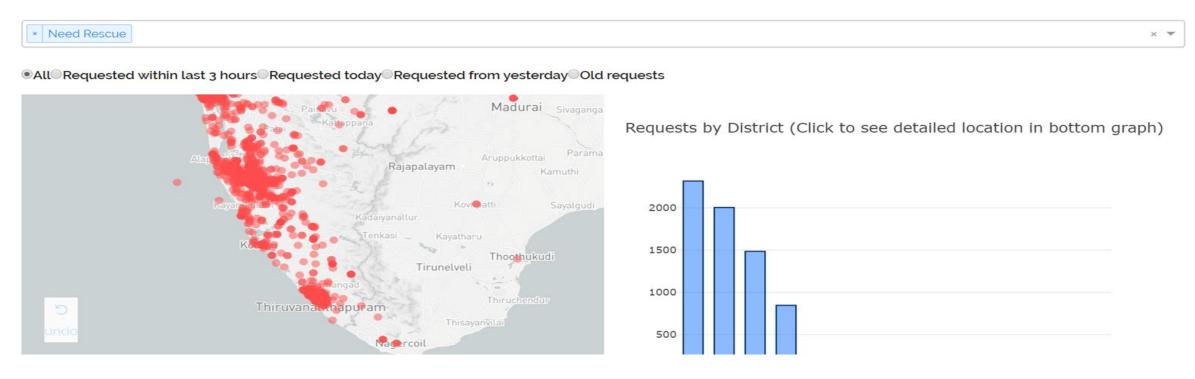
https://keralarescue.in/map/



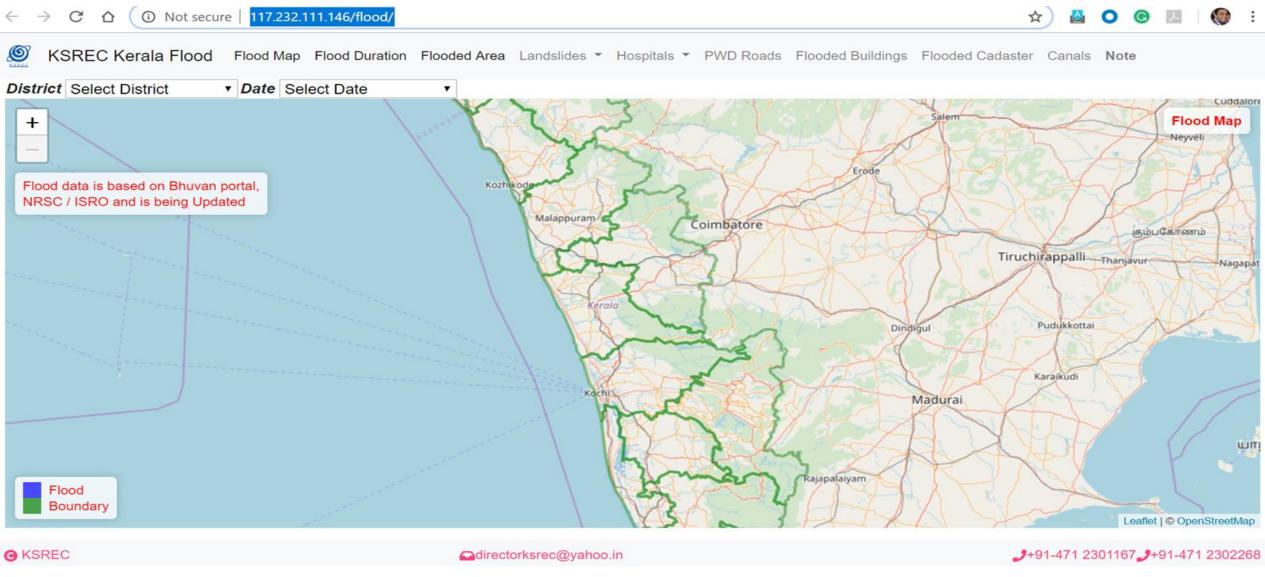
https://www.microid.in/keralaflood/

#### Click here for Rescue Dashboard | Click here for Relief Camps Dashboard

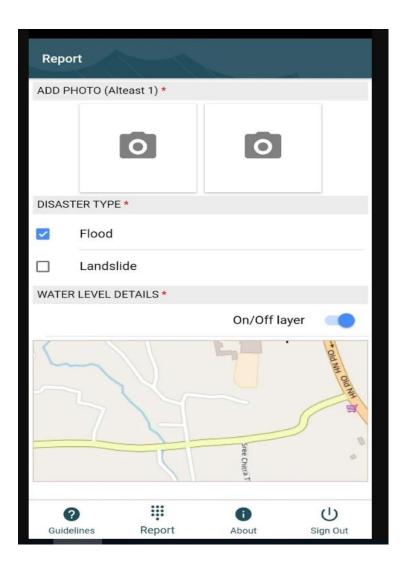
#### Kerala Rescue Dashboard (Data updated on August 22, 2018 at 10:29)



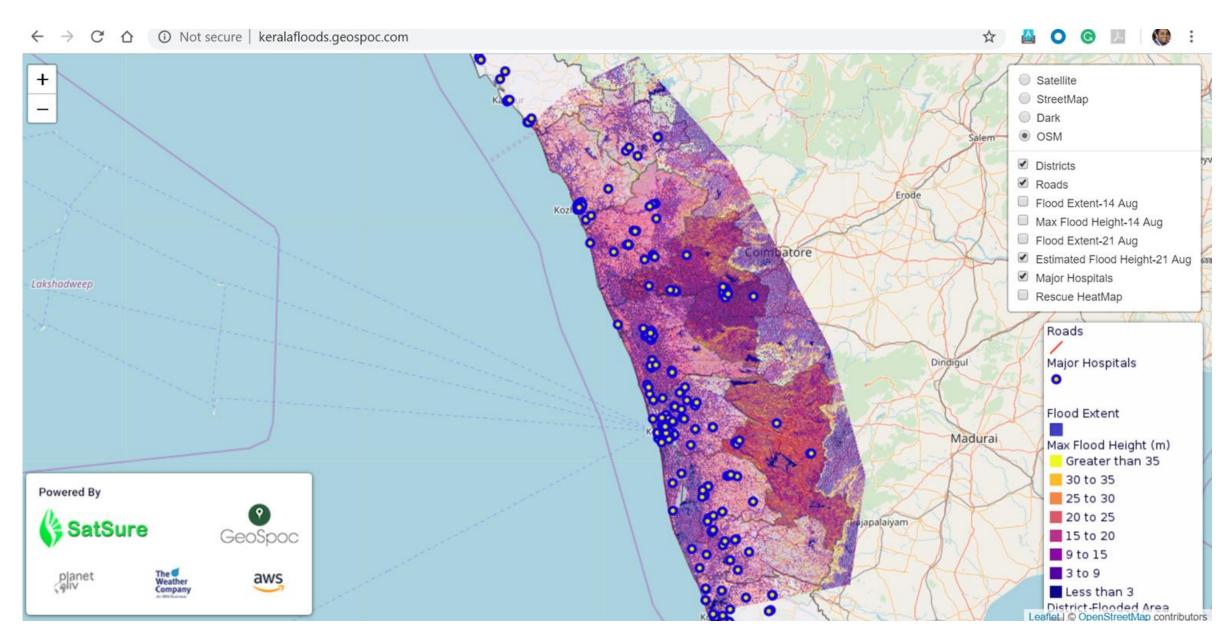
https://process.keralarescue.in/







Kerala Floods 2018 Mobile App uses OSM base map https://play.google.com/store/apps/details?id=org.ksdma.app

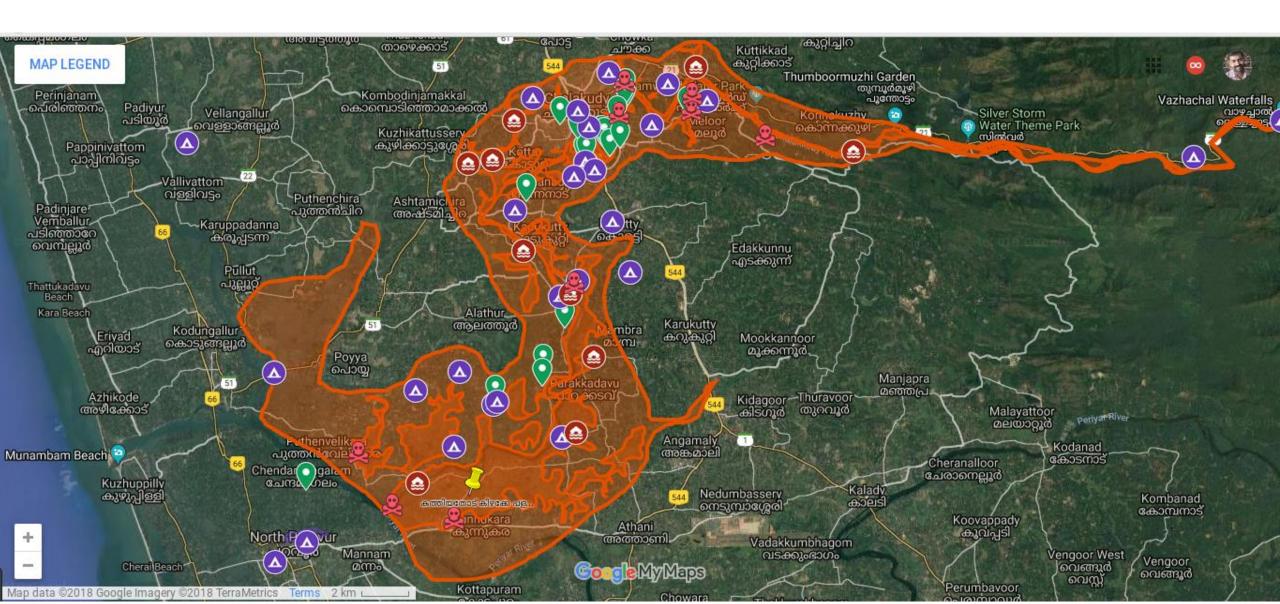


http://keralafloods.geospoc.com/

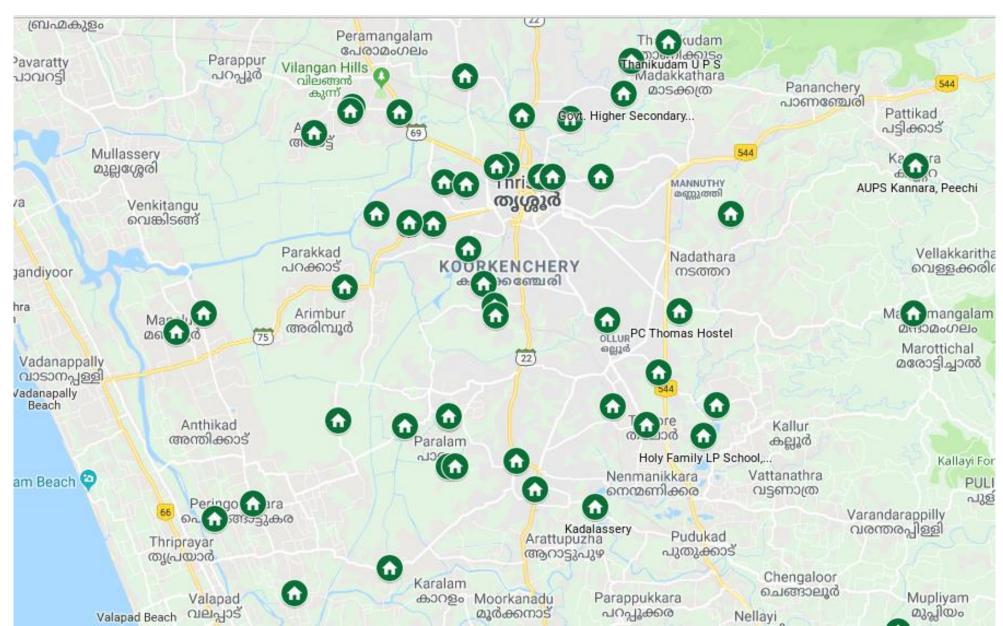


- https://data.humdata.org/dataset/hotosm ind south roads
- https://data.humdata.org/dataset/hotosm ind south buildings
- https://data.humdata.org/dataset/hotosm ind south waterways
- https://data.humdata.org/dataset/hotosm ind south points of interest

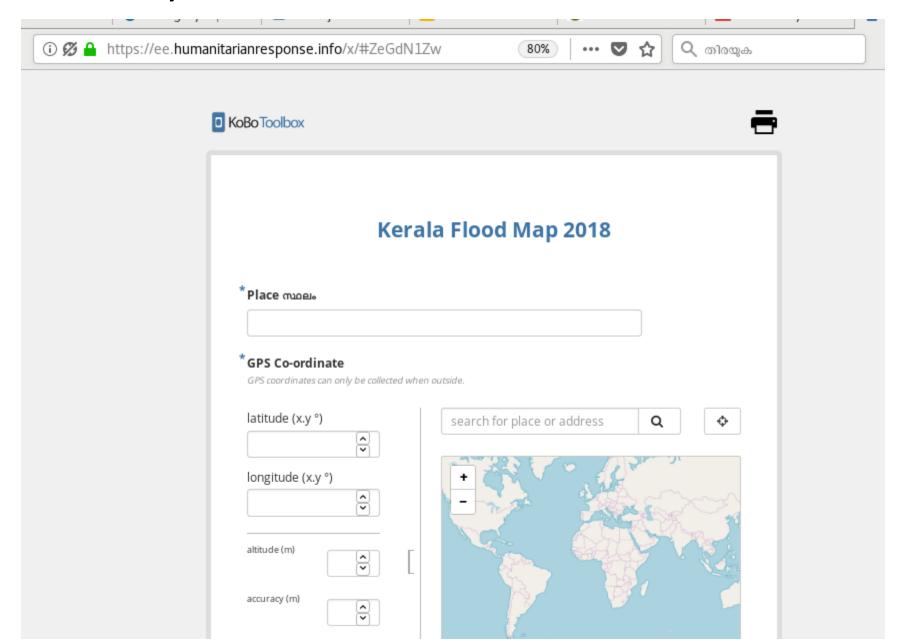
## Crowdsourcing Maps - Chalakudy River



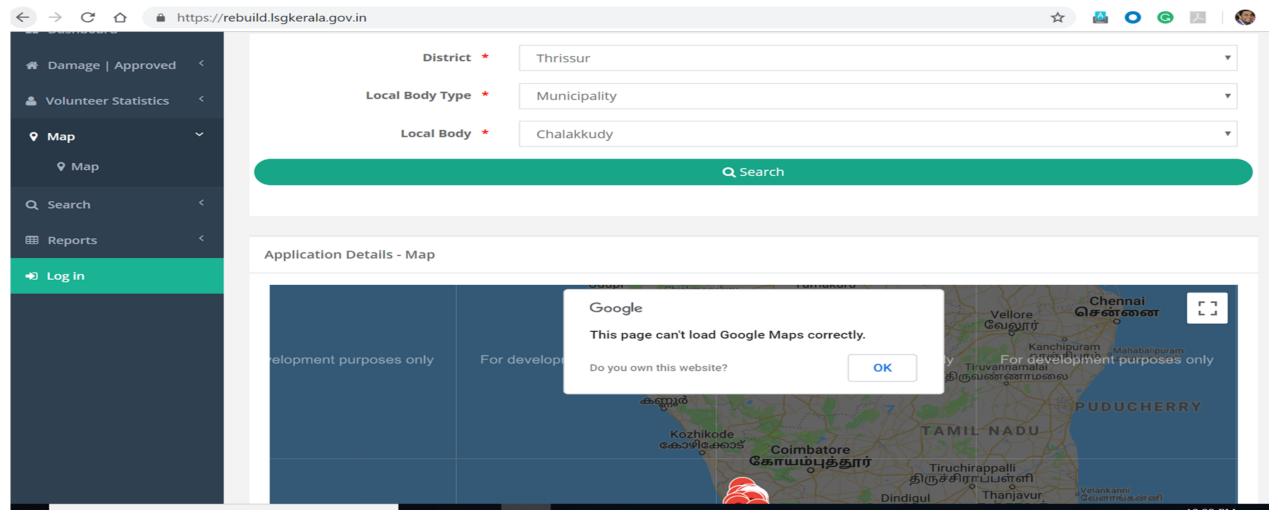
## Community Relief camps, Resource Mapping



## ODK Collect, Kobo Toolbox



## "free maps" -- Issues



### **OSM Contributions!!!**

39 Volunteers,
4,404
Edits

2,799
Buildings

118 km Roads



#### OpenStreetMap Mapathon







Humanitarian OpenStreetMap Team











## Kerala Floods 2018 Humanitarian mapping



HOT is an international team dedicated to humanitarian action and community development through open mapping.

Project No.	Location	What to map	Mapping status	Validation status
Active projects				
Project 5170	South of Kochi	Roads,Buildings	Doing (43%)	Doing (0%)
Project 4987	Wayanad, Kerala	Roads,Buildings	Doing (21%)	Doing (0%)
Project 5003	Pathanamthitta, Kerala	Roads,Buildings	Doing (5%)	Doing (2%)
Project 5024	Alleppey	Roads	Done (70%)	Done (28%)
Complete/archived projects				
Project 5010	North of Kochi 02	Roads,Buildings	Done (100%)	Doing (33%)
Project 5026	North of Kochi 03	Roads,Buildings	Done (100%)	Doing (66%)
Project 4986	Idukki, Kerala	Roads,Buildings	Done (100%)	Done (21%)
Project 5009	North of Kochi, Kerala	Roads,Buildings	Done (100%)	Done (1%)
Project 5025	Alleppey	Buildings	Done (100 %)	Done (100%)

## Kerala Floods 2018 Humanitarian mapping



India floods Stats (includes Nagaland and Croog Flood Mapping efforts)

2200 volunteers.

453,421 Total Edits

**4,26,908** Buildings

**9,453** km Roads

## Facebook's Kerala Road Import via AI/ML

#### Quick to help. One Month long effort

52,369 Total Edits

**1,302** Buildings

**13,143**km Roads

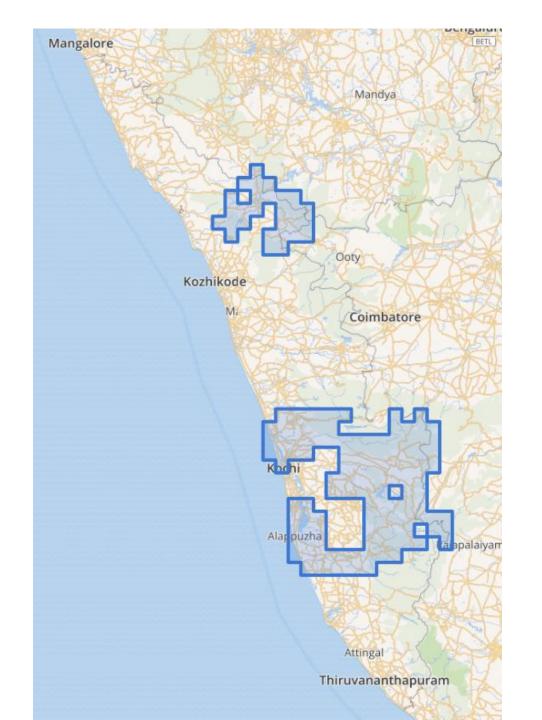
For more details :-

https://wiki.openstreetmap.org/wiki/Kerala\_Road\_Import

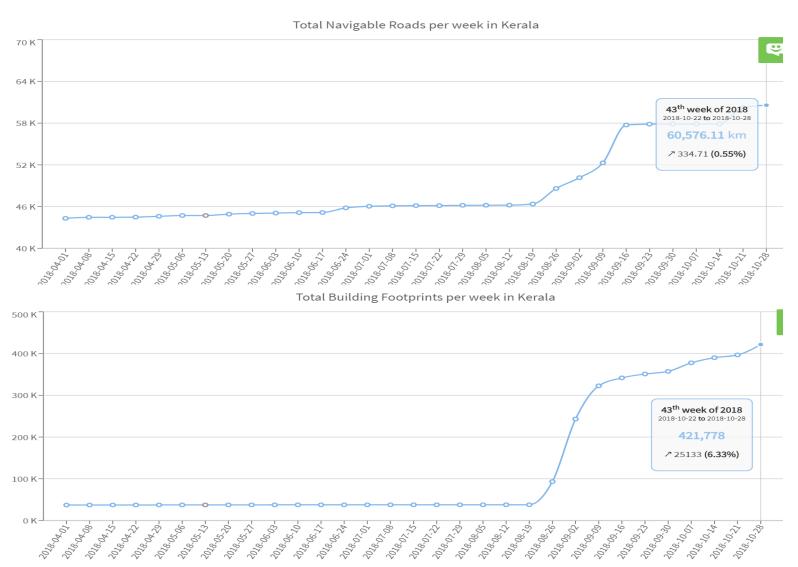
2:31 AM - 20 Aug 2018







### **Stats**



15000 Kms Road, About 4 Lakh Buildings

## Thank You