

510



AN INITIATIVE OF
THE NETHERLANDS
RED CROSS

MISSION

Shape the future of humanitarian aid by converting data into understanding, and put it in the hands of humanitarian relief workers, decision makers and people affected, so that they can better prepare for and cope with disasters and crises.

50

Raymond Nijssen
rnijssen@rodekruis.nl

OSGeo.nl / OpenStreetMap
Nieuwjaarsborrel

14 januari 2018 - Hilversum



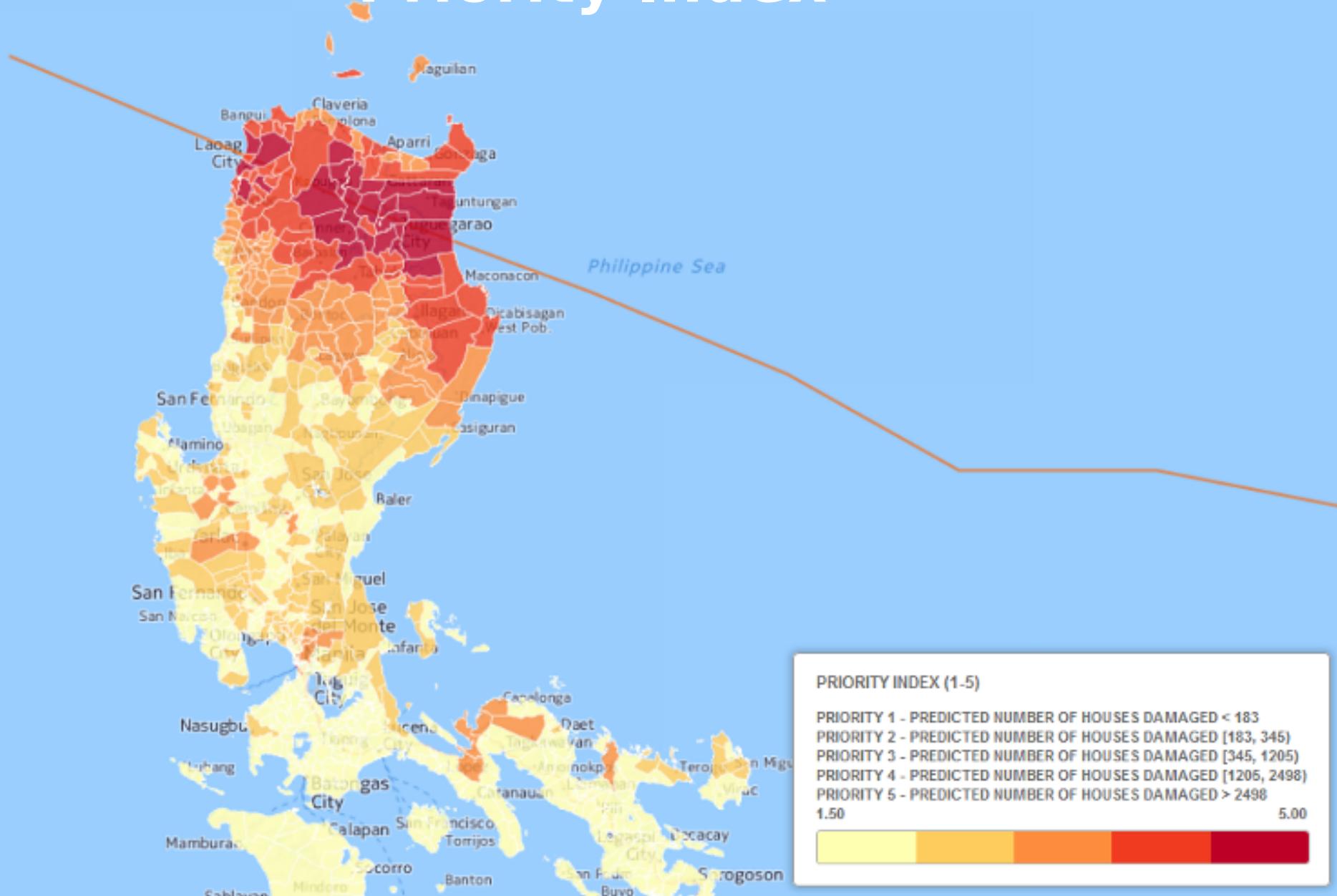
510 million square kilometers is the total surface of the earth

MISSION

Shape the future of humanitarian aid by converting data into understanding, and put it in the hands of humanitarian relief workers, decision makers and people affected, so that they can better prepare for and cope with disasters and crises.

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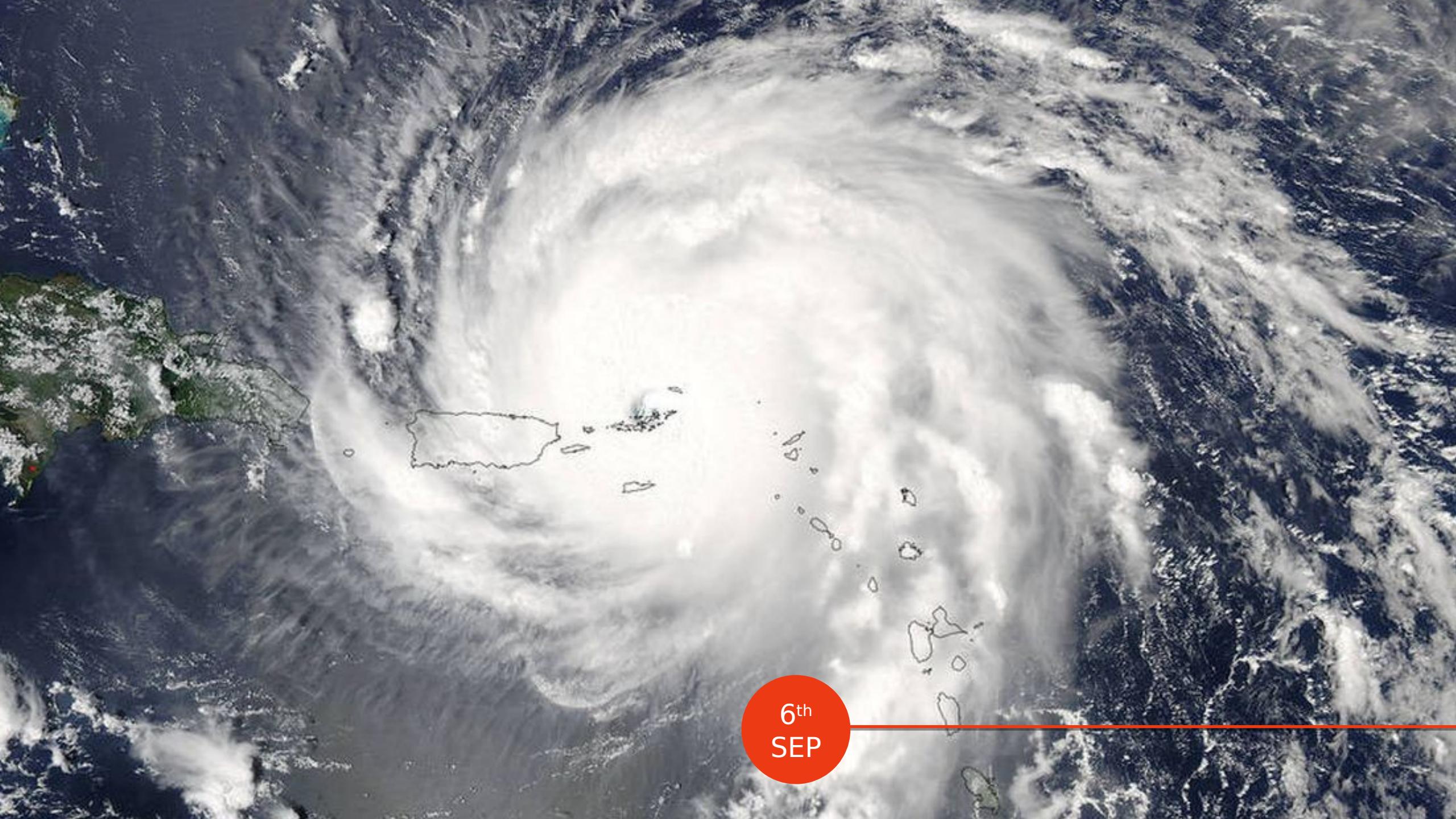
Priority Index





MISSING MAPS





6th
SEP

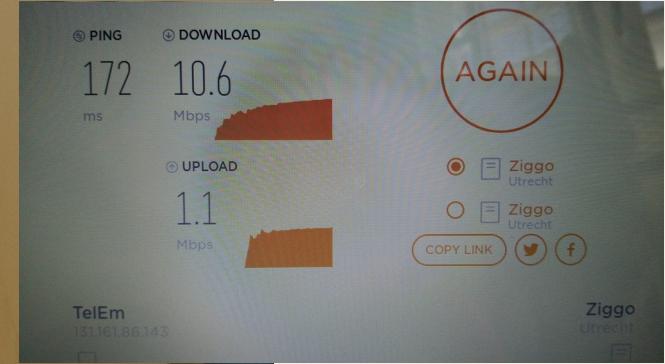
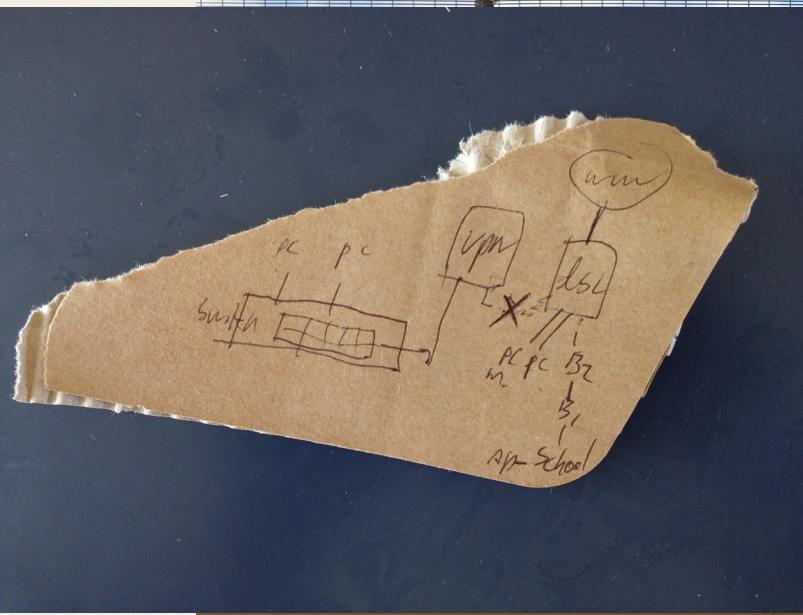
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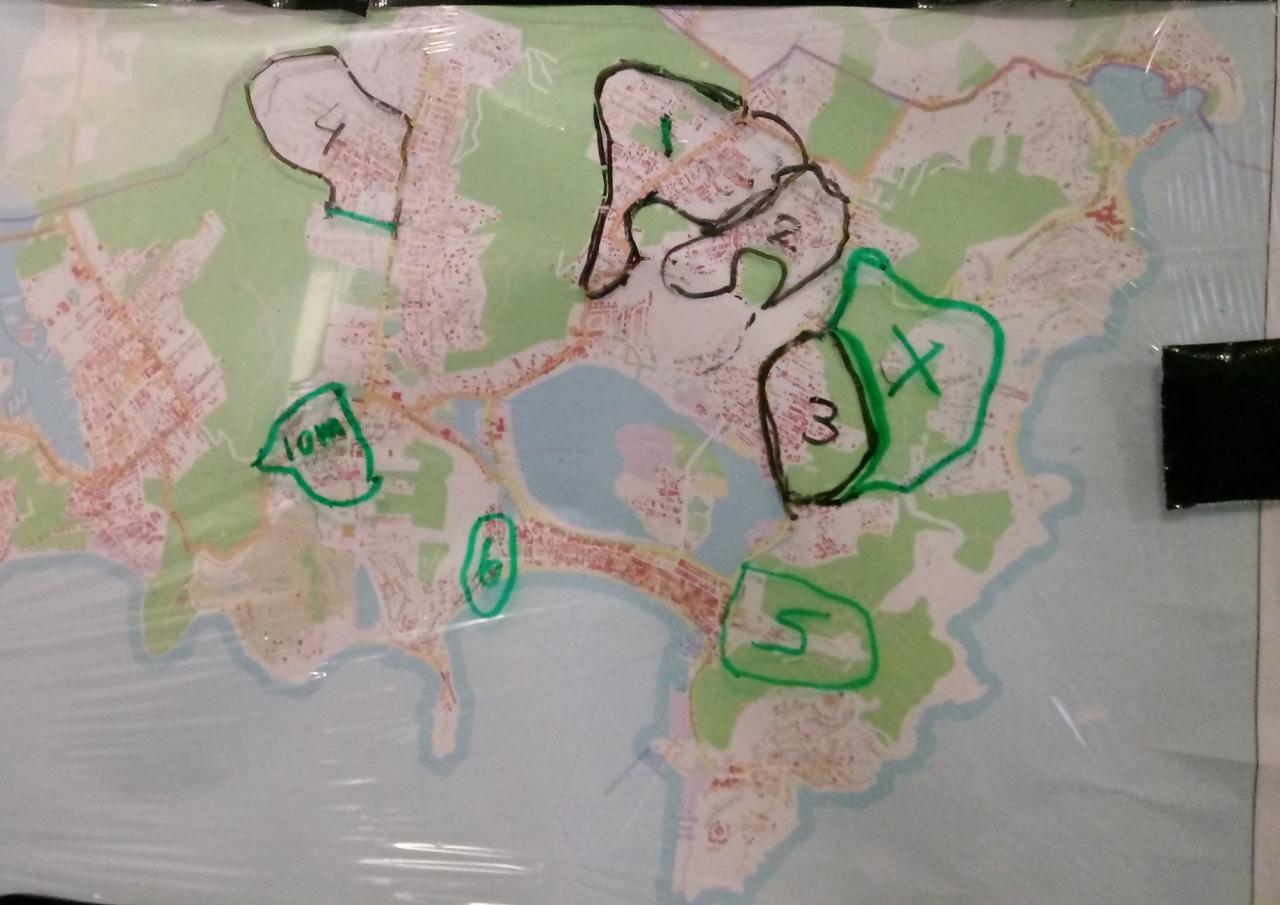
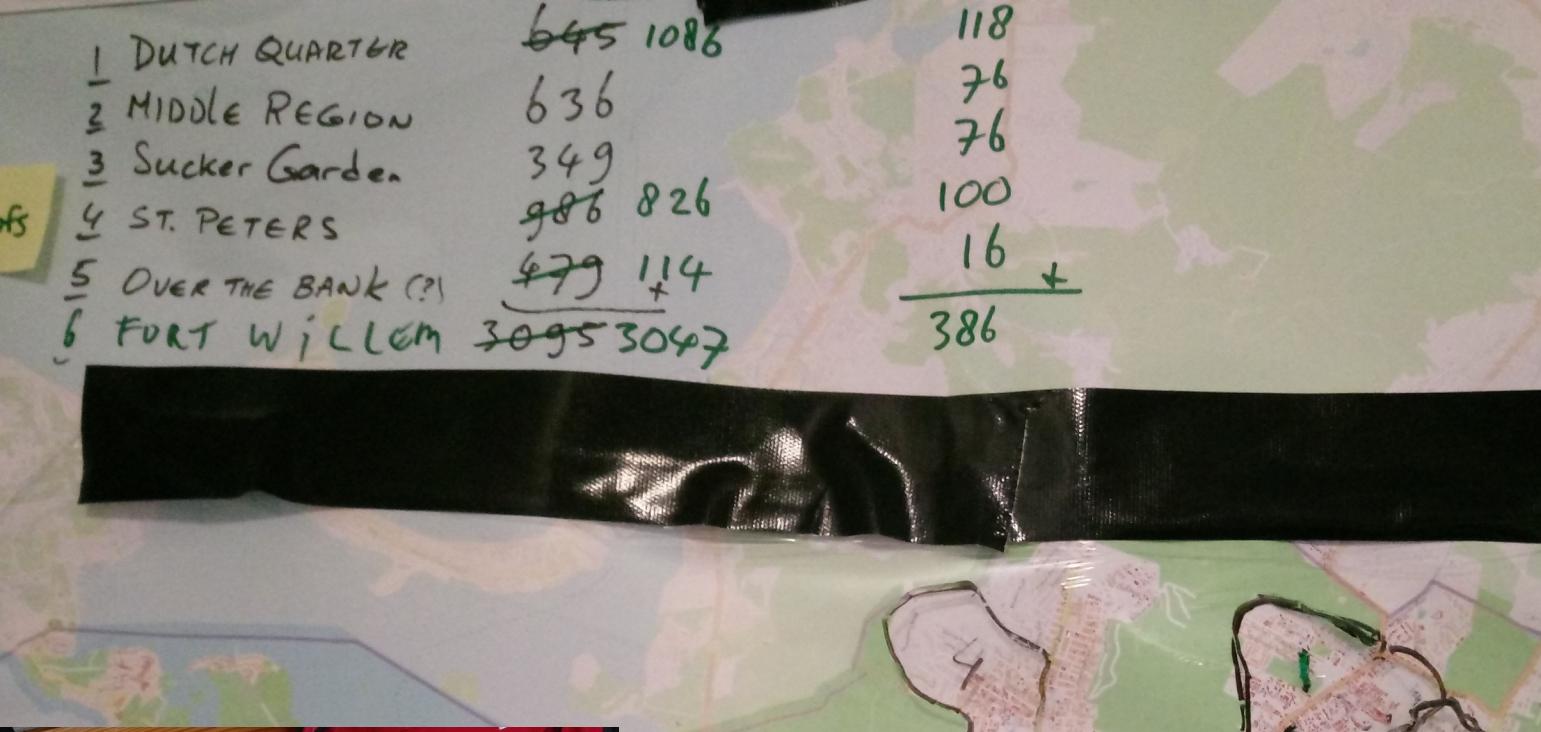
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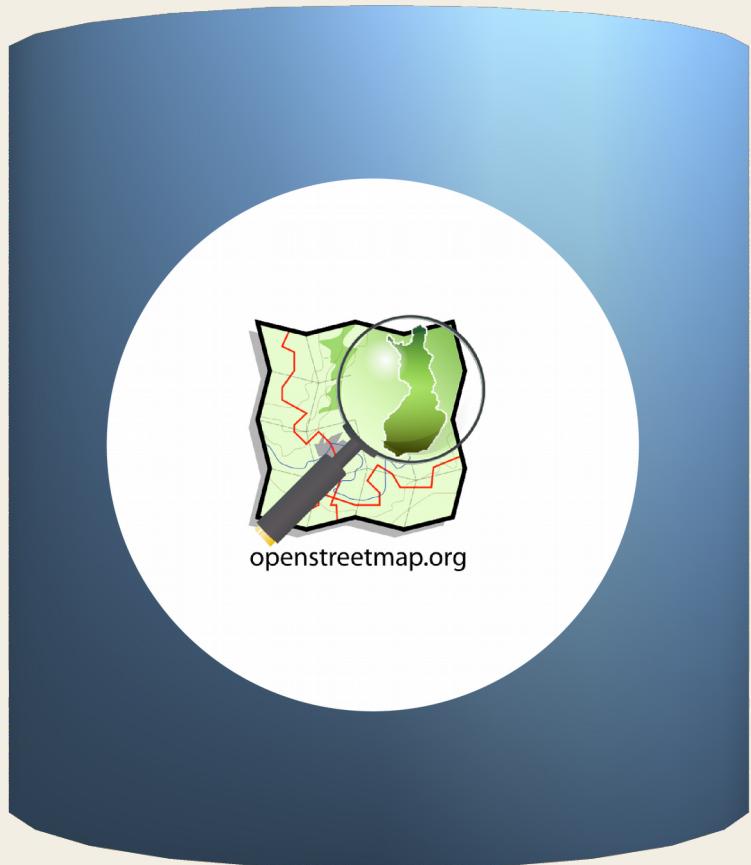


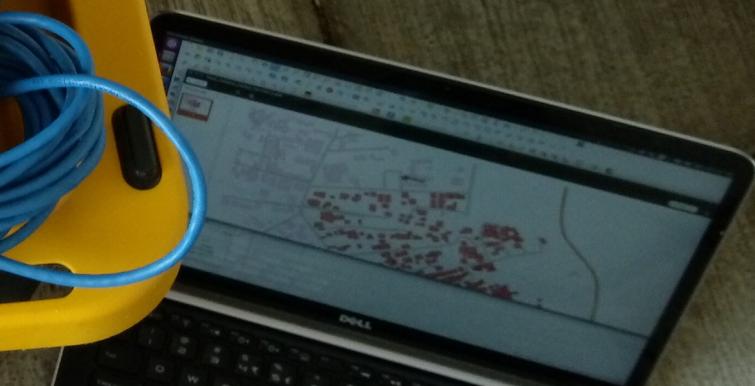
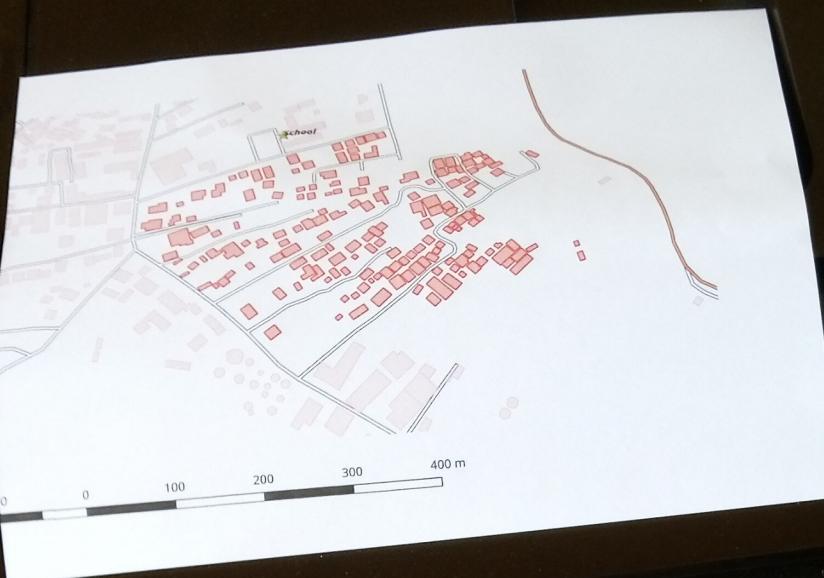
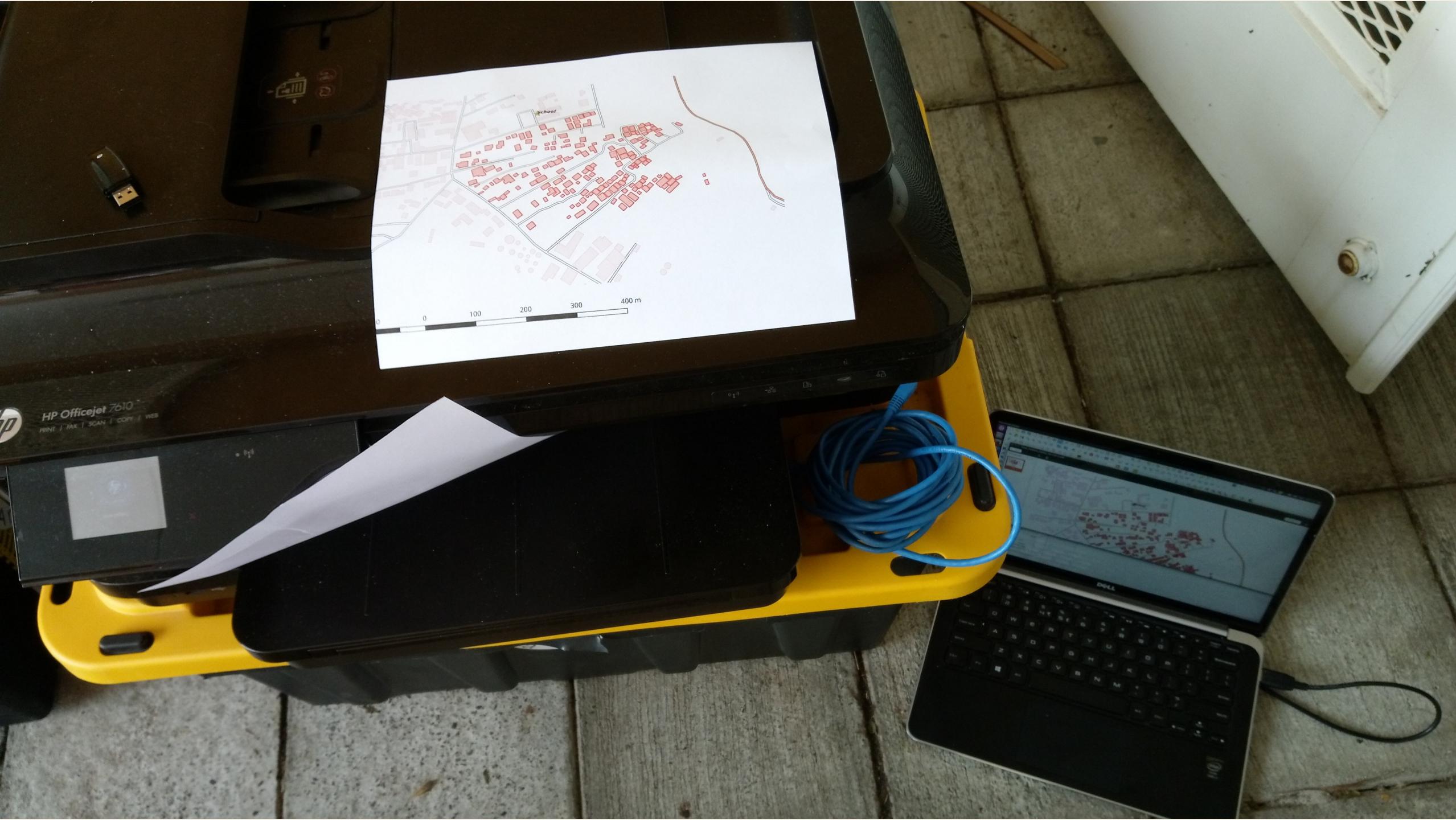






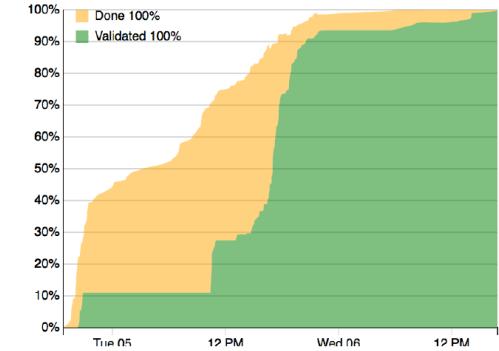
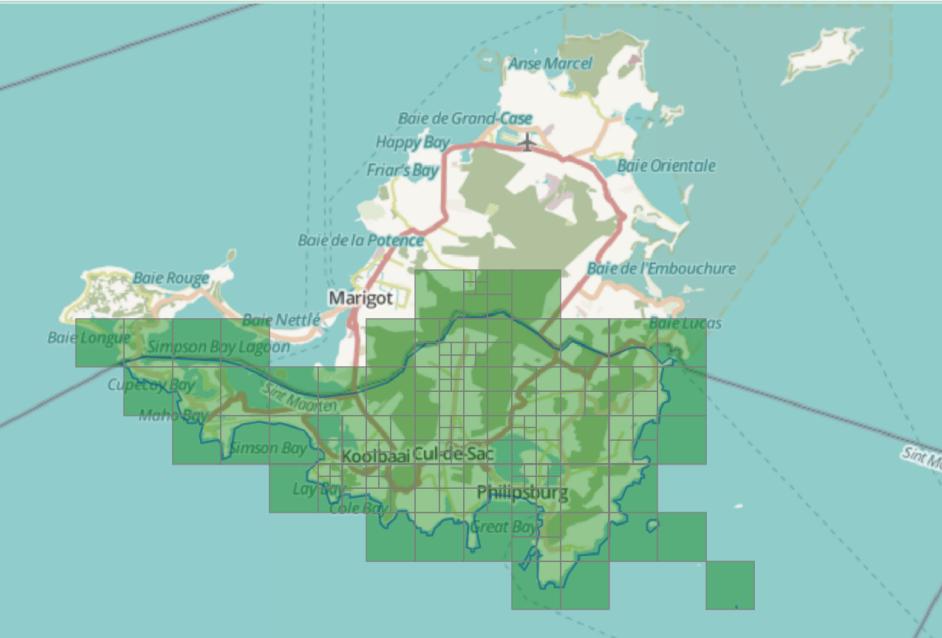












#3486 Mapping communities of Sint Maarten in preparation of the upcoming hurricane IRMA

15 95%



- Requesting organization: **Netherlands Red Cross**
- Priority: **High**

In preparation of the upcoming hurricane IRMA, we kindly request mapping support for predisaster situation on St. Maarten. This will help the Red Cross and local responders to better respond. Also, this information will be used to analyze potential damage later.

Created by [Niel de Jong](#) - Updated 3 minutes ago - Priority: high

5th
SEP

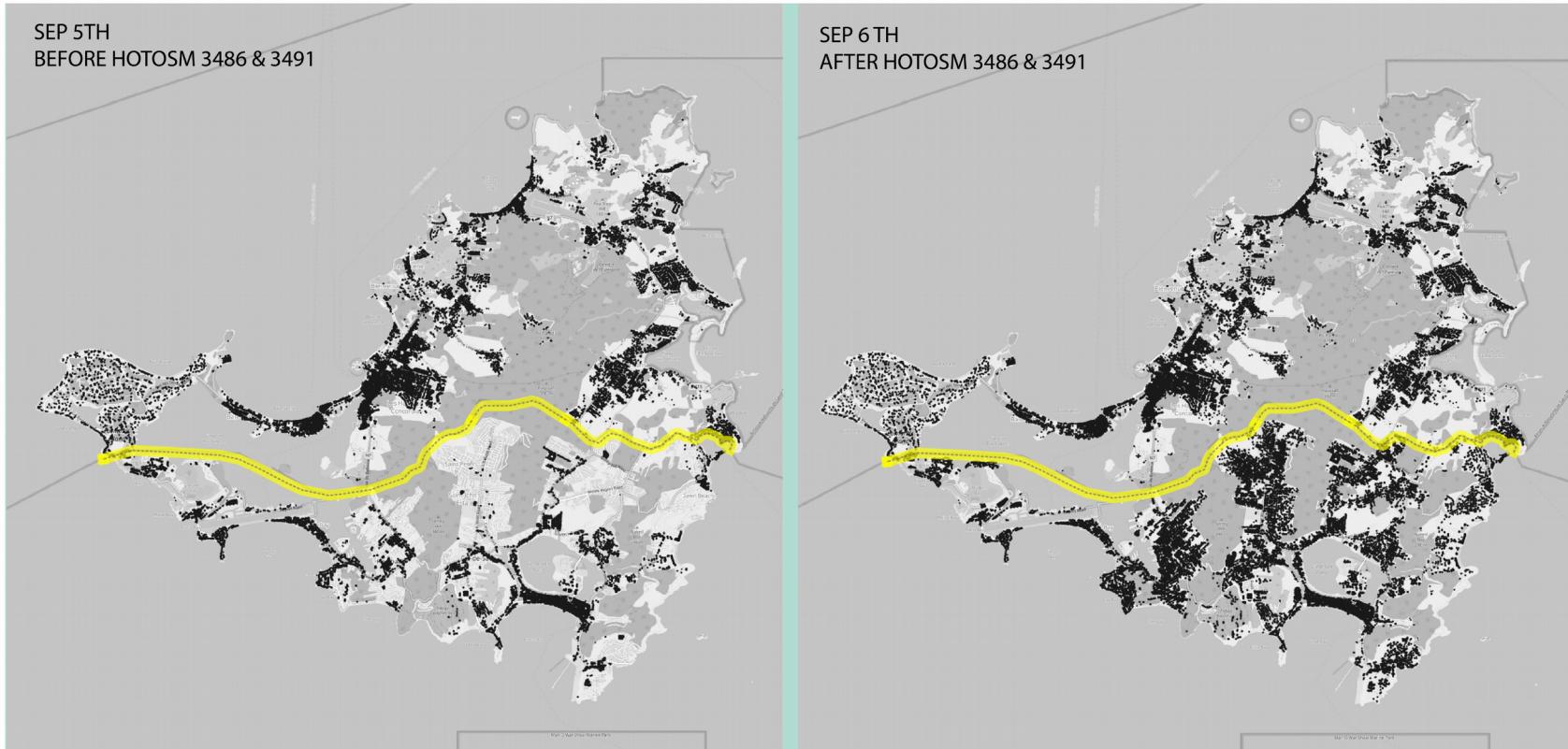


SINT MAARTEN & SAINT MARTIN MAPPED

6 SEP 2017

510 Global sets HOTOSM tasks
#3486 for south (Dutch) side of island
#3491 for north (French) side of island
Collectively adding 5683 new buildings.

Sources: 510GLOBAL, Hotosm tasks



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RED CROSS



Red Cross St. Maarten



croix-rouge française

6th
SEP

The maps used do not imply the expression of any opinion on the part of the International Federation of Red Cross and Red Crescent Societies or National Societies concerning the legal Status of a territory or of its Authorities. Produced by 510 An initiative from the Netherlands Red Cross. Base map: OpenStreetMap
CONTACT: support@510.global



Sources: 510 GLOBAL



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RED CROSS

Red Cross + St. Maarten

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CONTACT: support@510.global



5th
OCT

FEB
201
7

BEFORE IRMA:
AERIAL IMAGERY
SOURCE IGN
Institut géographique national

510 + Red Cross + St. Maarten

SEP
201
7

AFTER IRMA:
DRONE IMAGERY
SOURCE: 510
BLUE AREAS TARPONLINE

510 + Red Cross + St. Maarten

JuxtaposeJS

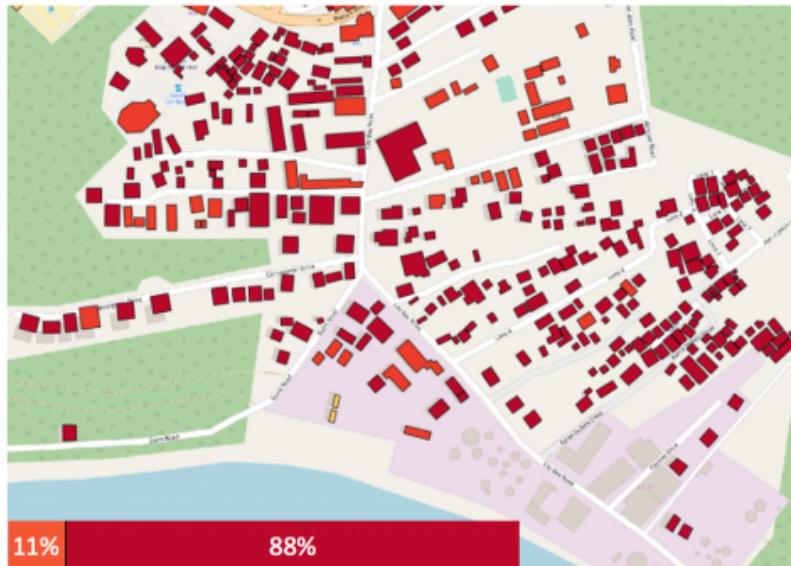
SINT MAARTEN COMPARISON SATELITE V DRONE DAMAGE ASSESSMENT HURRICANE IRMA

13 SEP 2017

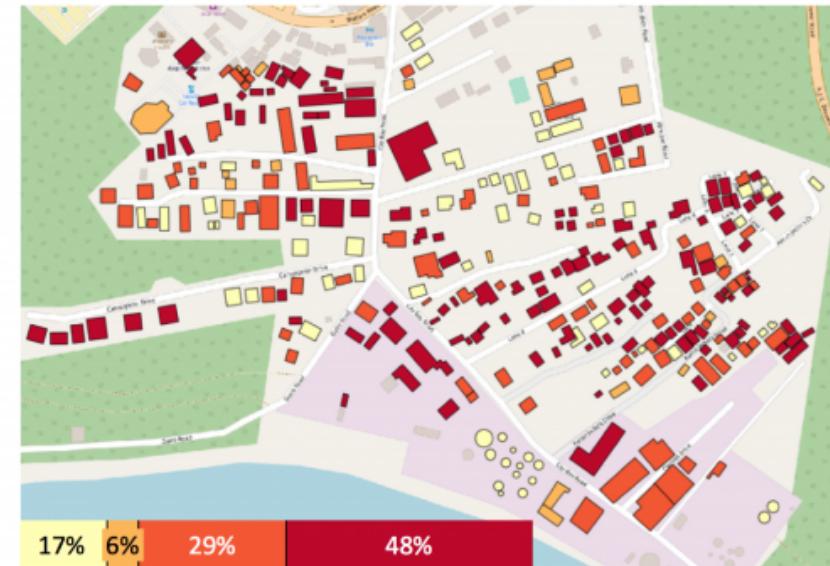
For Cay Bay area, a total of 288 buildings have been used in two different assessments.
First assessment was by using initial satellite imagery by Copernicus.
Second assessment was by using Drone imagery with OMK.

Sources: 510GLOBAL Drone/OMK Imagery assessment, Copernicus Satellite Imagery assessment, OpenStreetMap.

COPERNICUS - DAMAGE ASSESSMENT CAY BAY



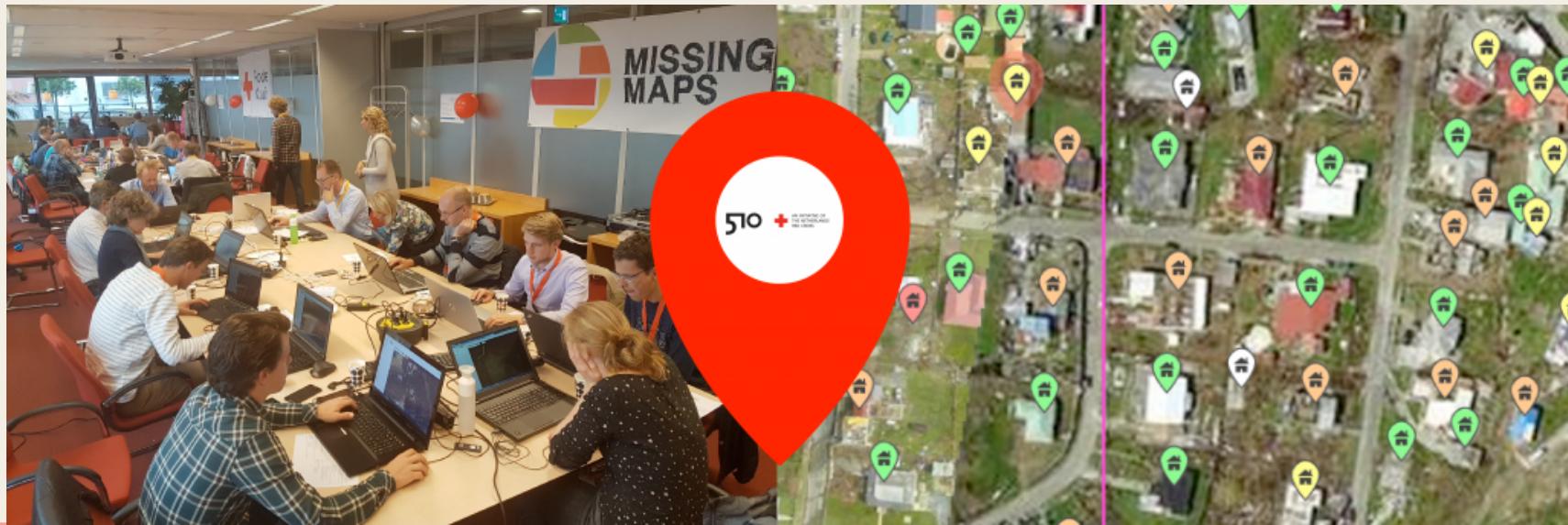
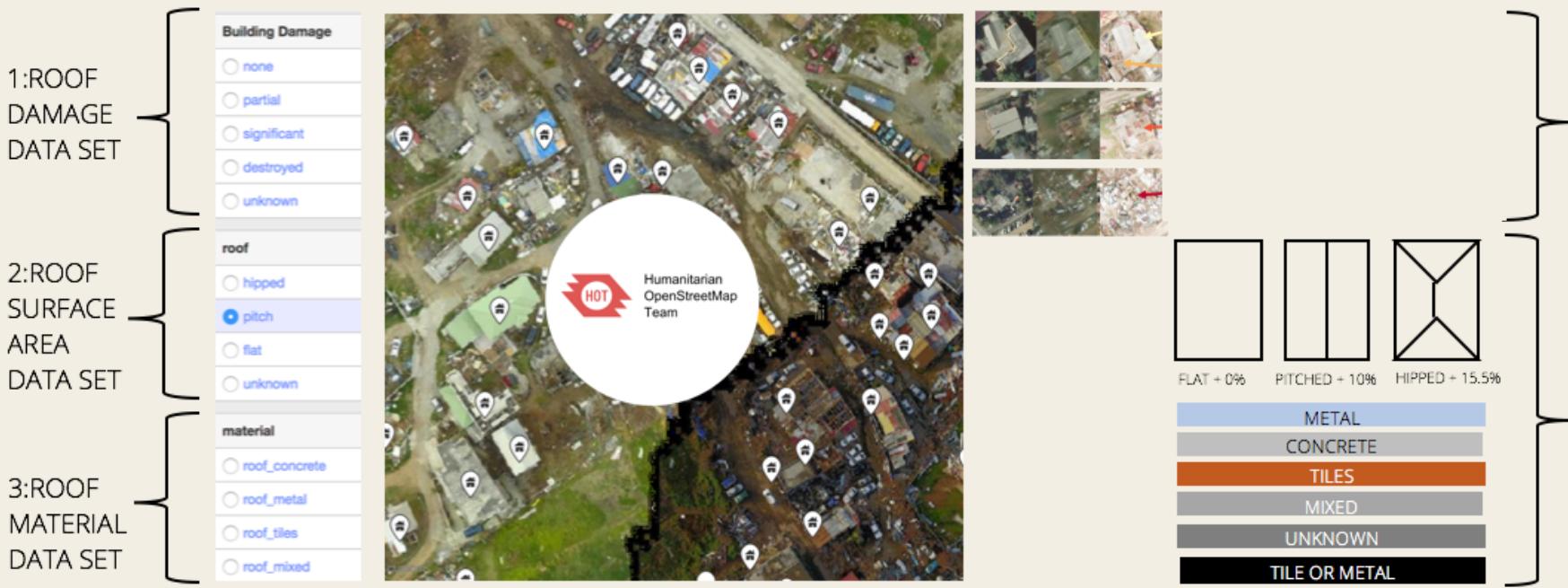
510 (OMK + DRONE) - DAMAGE ASSESSMENT CAY BAY



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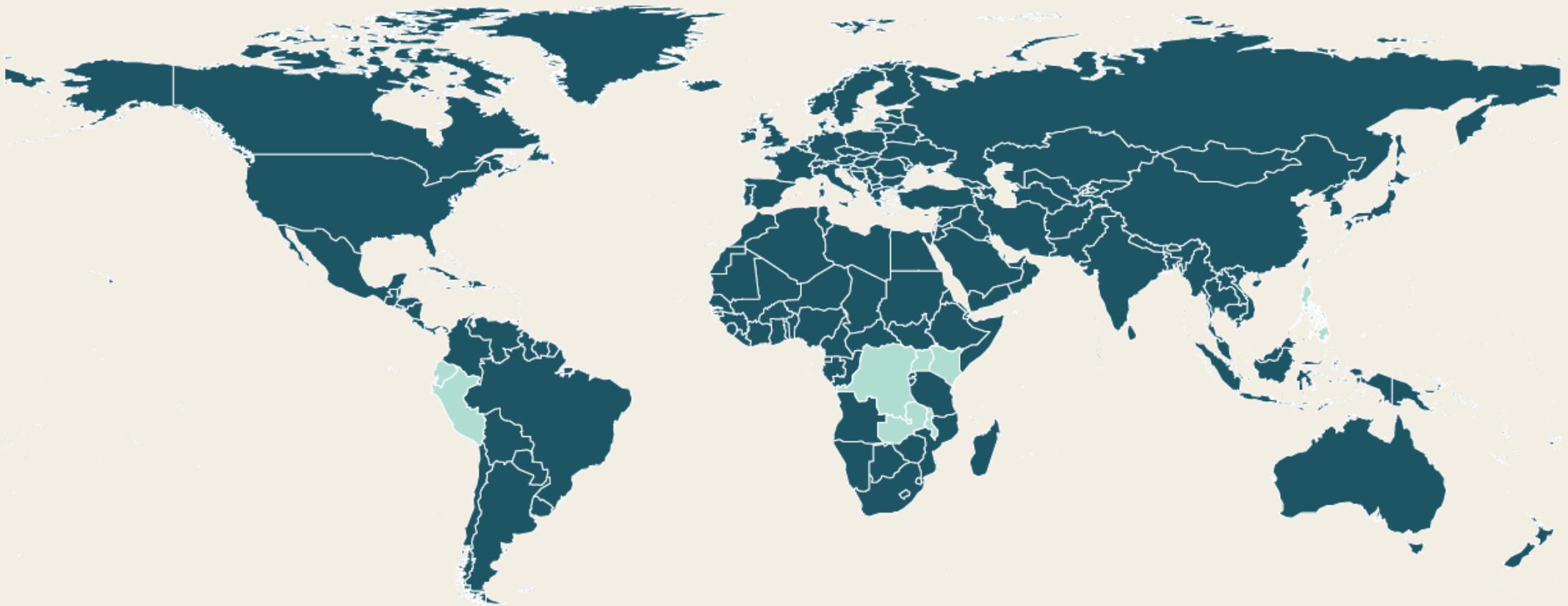


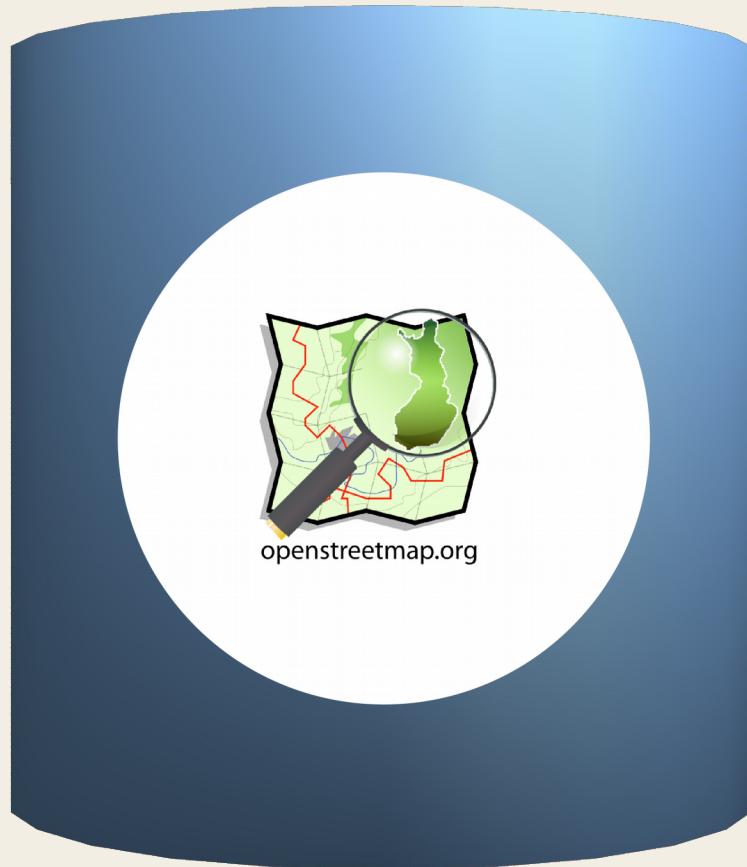
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5th
OCT









QGIS 2.18.15 - roads_validation

Project Edit View Layer Settings Plugins Vector Raster Database Web MMQGIS Processing Help

File Folder Document Hand Magnifying Glass 1:1 Zoom In Zoom Out Refresh Info Search Layer Properties Layers Panel

PDOGeocoder... Bestemmingspla... Diff

Layers Panel

- different_type_roads
- roads_validation_real_orphans
- roads_validation_orphans
- errors_self_intersecting_roads
- roads_test

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- mainroads [3044]
- minorroads [208592]
- motorways [585]
- railways [339]
- [0]

roads

- primary
- primary_link
- secondary
- secondary_link
- tertiary
-

osm_new_mainroads

- primary
- primary_link
- secondary
- secondary_link
- tertiary
-

osm_new_mainroads

osm_new_amenities

OSM Standard

Bing Map

Bing Satellite

Coordinate 3825052,-1531657 Scale 1:76.761 Magnifier 100% Rotation 0,0 Render EPSG:3857 (OTF)

Mphunga

Chitala Agricultural Research Station

THANK YOU
BEDANKT