510

PERSONALIZED HUMANITARIAN
AID THROUGH BIG DATA

AN INITIATIVE OF THE NETHERLANDS RED CROSS

510 million squared kilometers is the total surface of the earth

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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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MISSING MAPS

Put the most vulnerable people on the map

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MISSING MAPS

2 year update

Select achievements:

29 million
people mapped

450,000
km^2 mapped

5.6 million
buildings mapped

72,000
km traveled during field mapping

Community stats:

18,000
contributors

430
public mapathons

140
mapathons during GeoWeek 2016

30,000
slices of pizza eaten

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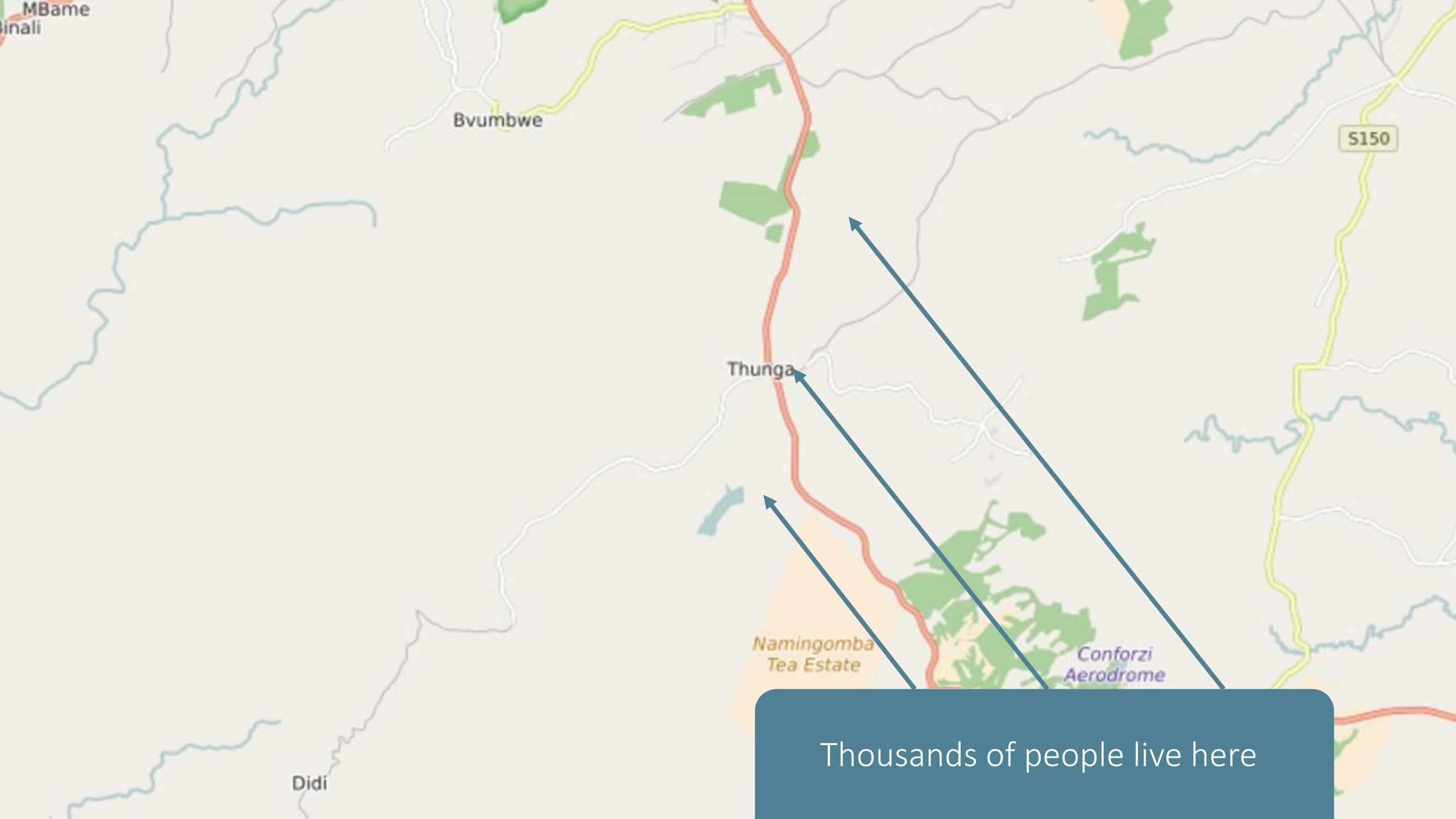
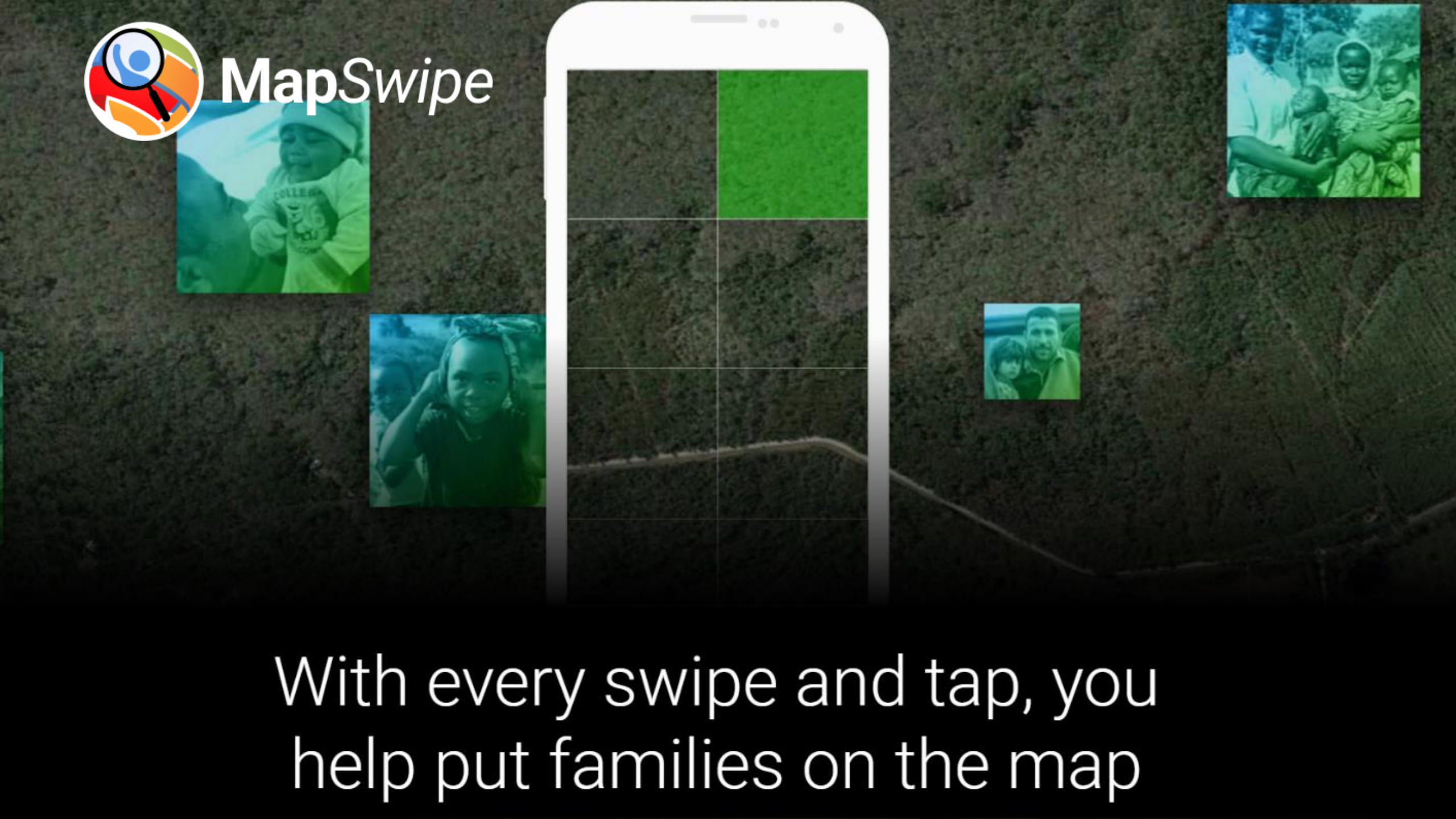
Map all roads and buildings in Malawi?

The Netherlands Red Cross

BritishRedCross

Thunga GVH in Malawi


MBame
Binali
Bvumbwe
S150
Thunga
Namingomba
Tea Estate
Conforzi
Aerodrome
Didi
Thousands of people live here


MapSwipe
With every swipe and tap, you
help put families on the map

We work with digital volunteers
to collect and analyze data

Doneer alstublieft!

SM Tasking Manager

Over Nederlands Aanmelden bij OpenStreetMap

#2381 - Missing Maps - Malawi - Southern areas

Omschrijving | Instructies | Deelnemen | Activiteit | Statistieken

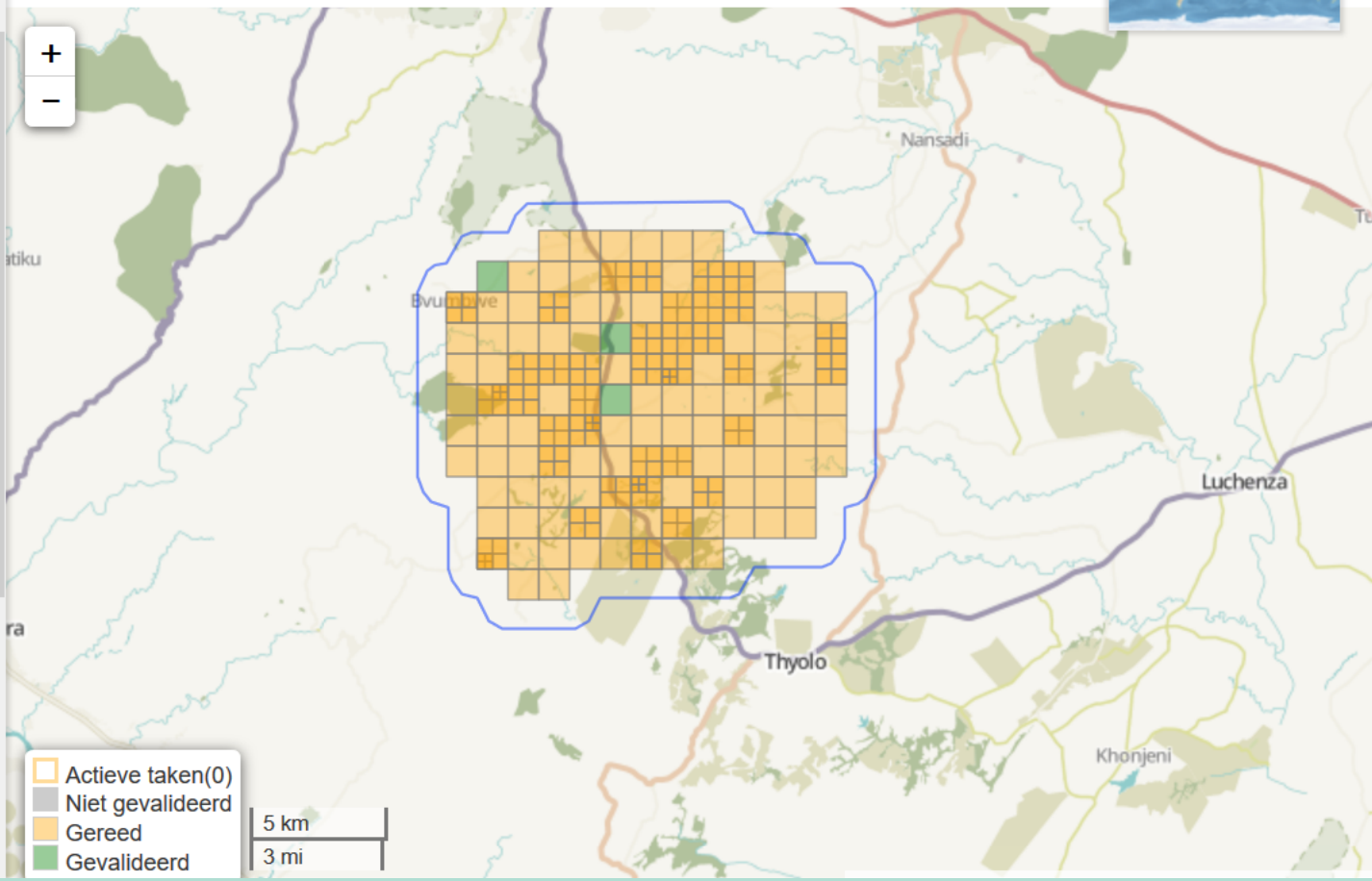
- Author: **Missing Maps**
- Requesting organization: **Netherlands Red Cross**
- Priority: **Medium**

Through this mapping task the Netherlands Red Cross supports the Malawi Red Cross Society to:

- reduce the prevalence of **diarrhoeal diseases** in the target communities of Phalombe.
- enhance **resilience** and building institutional disaster response capacity training for the people of Malawi
- **raise awareness** within vulnerable communities in disaster prone areas of the possible dangers of natural disasters.
- improve the delivery of **sustainable water supply, sanitation and hygiene** services in 9 low-income areas
- respond to a **food crisis** to meet drought affected population's food and nutrition needs through cash transfer.

Mapping efforts are coordinated with local government / members of the HOT/OSM community in Malawi.

The Missing Maps project aims to map the most vulnerable places in the world (affected by humanitarian crises: disease epidemics, conflict, natural disasters, poverty, environmental crises). Building on HOT's disaster preparedness projects, the

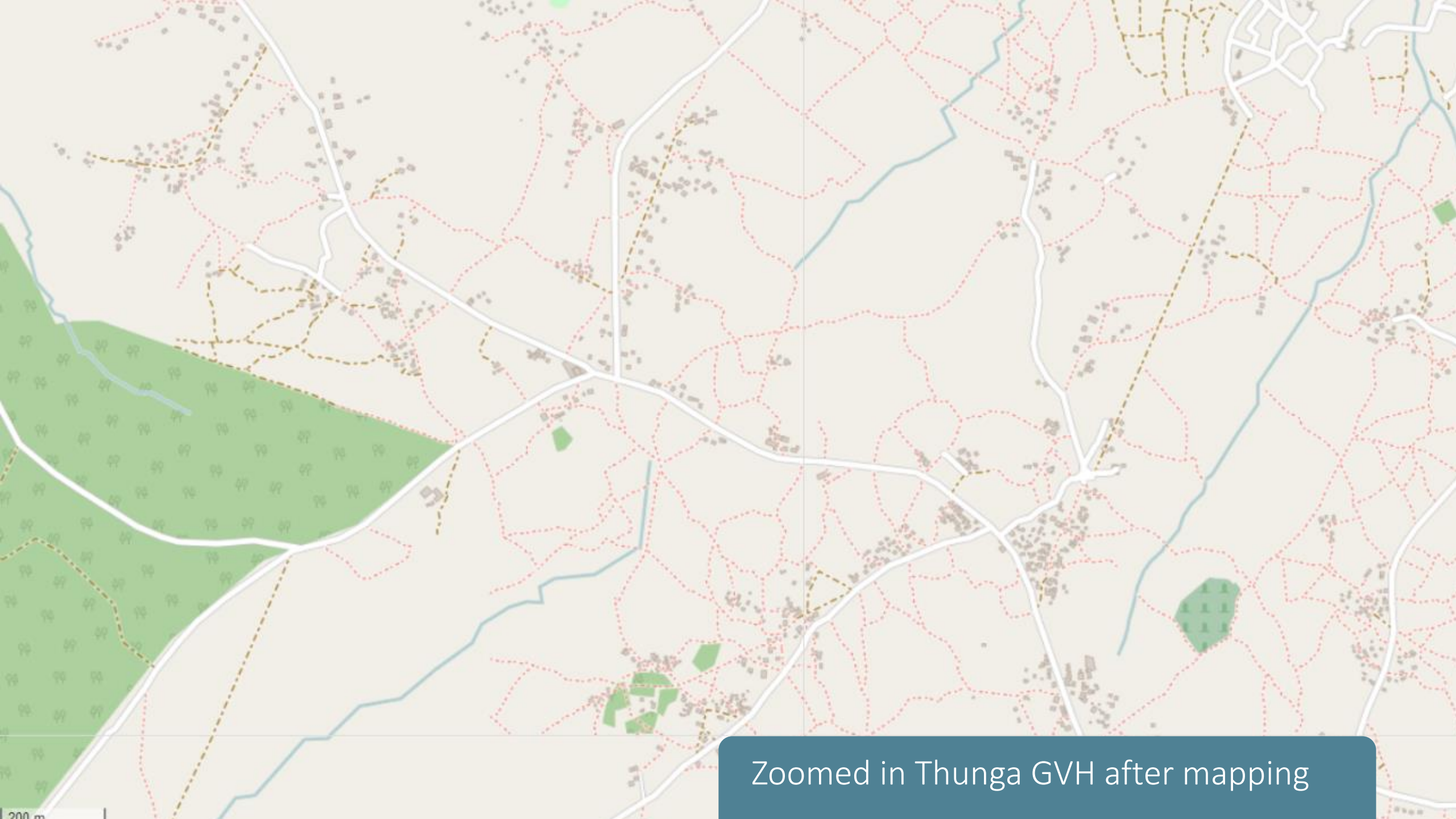


The Humanitarian Openstreetmap Tasking manager, to let volunteers coordinate efforts

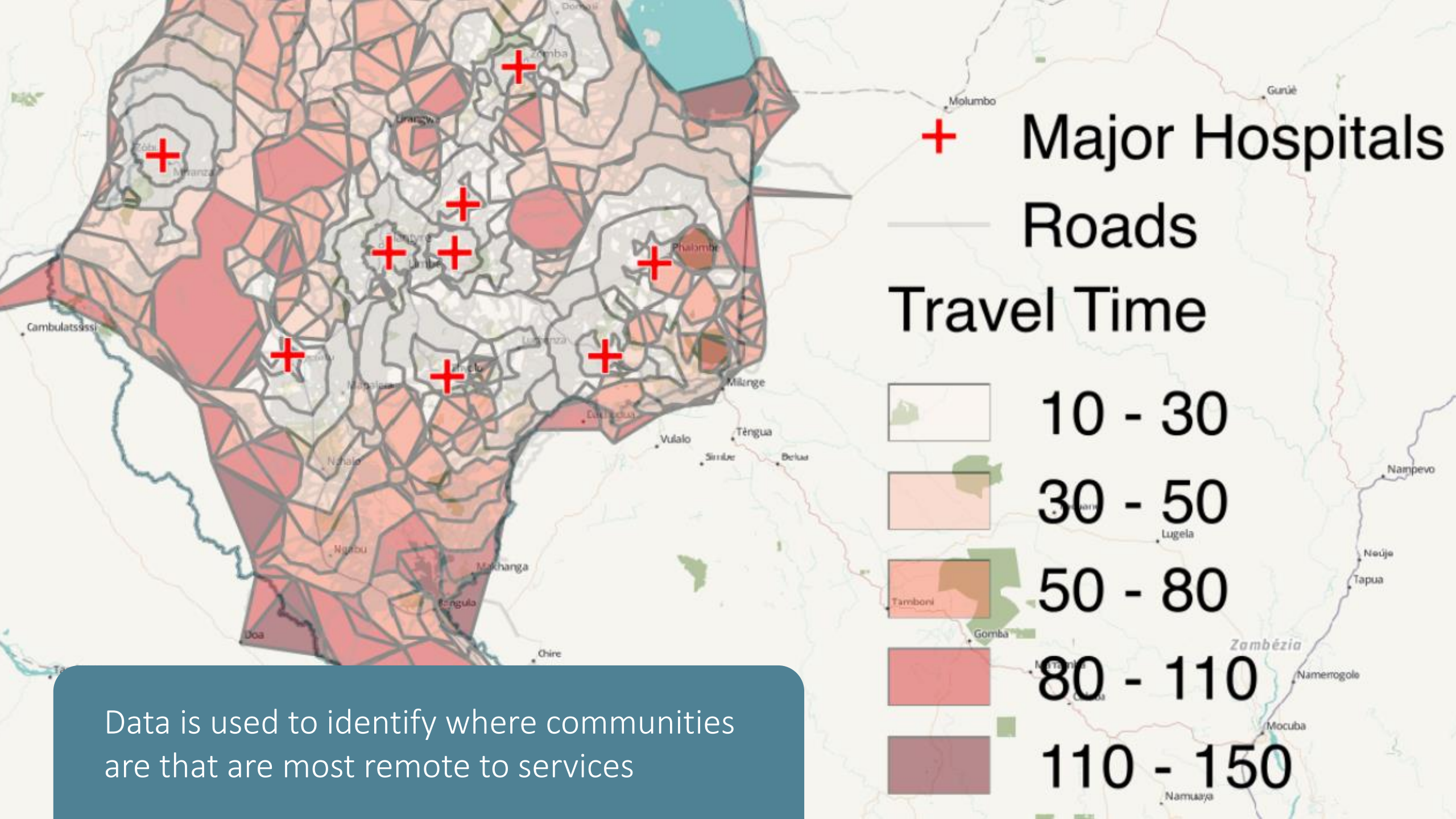
We collect data on key locations by mobile technology

And with camera’s mounted on the car

Resulting in a street view of the area, which is then digitized by our volunteers



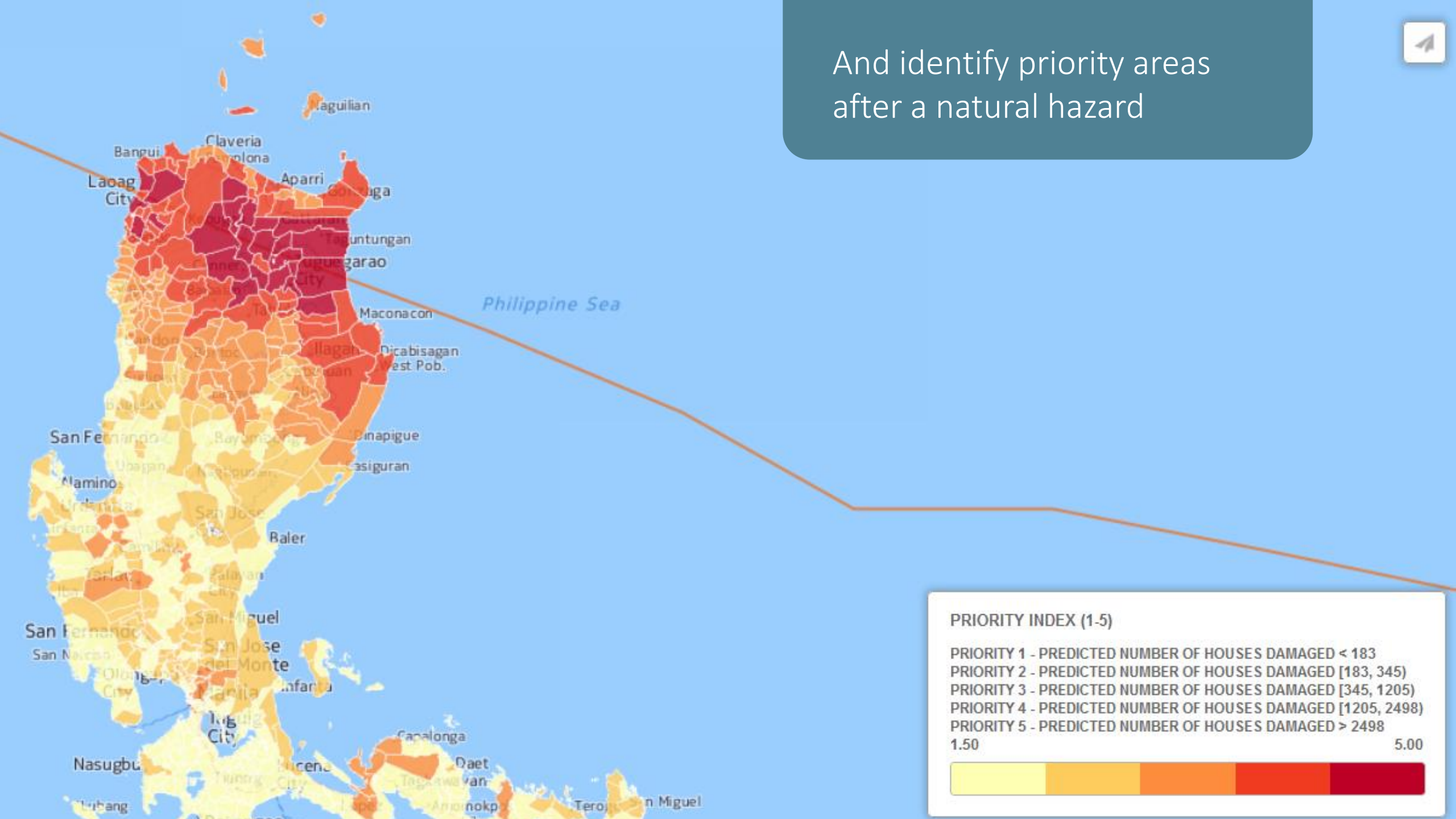
Zoomed in Thunga GVH after mapping



Data is used to identify where communities are that are most remote to services

To improve logistics
and navigation in disaster relief

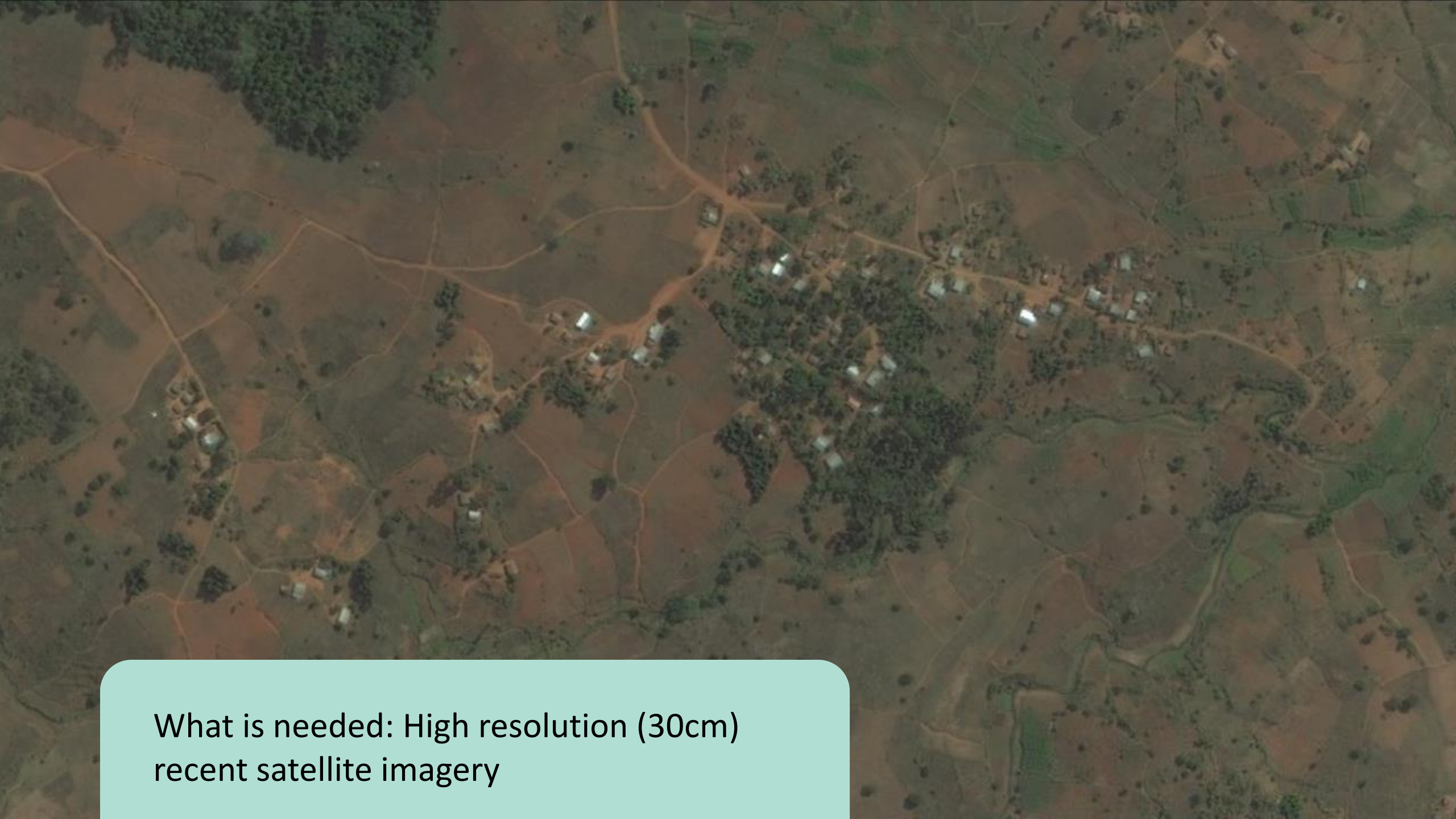
And identify priority areas after a natural hazard



What is needed: Road classification and tagging guidelines

And decision makers are supported to use the data

What is needed: Coordination who is mapping where and what is responsible



What is needed: High resolution (30cm) recent satellite imagery

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