

Welcome – Bienvenue – Welkom !!!



Thanks for attending our third National Mapathon :-)

PC Access @ULB :

user: pds2018 & password: Printemps

While you are waiting for others to arrive, complete the steps below:

1. Sign up for an account at www.openstreetmap.org
2. Check your email and confirm your account by clicking the link provided!
3. Read through the steps on the guide on your table, to get familiar with how to map

or you can also access the walk-through by clicking on the 'Help' button on the right hand side, then on 'Start the Walkthrough'.



Humanitarian OpenStreetMap Team

How to pick a task in



TASKING MANAGER

Contribute

Learn

About

What Is New?

English

Login

Map a Task for People in Need

Join coordinated humanitarian mapping projects by taking a task and mapping a part of the world in OpenStreetMap, the free and editable map of the world. Communities, organizations and governments worldwide have access to these maps to address local development challenges and aid disaster response. You can join thousands of others to map OpenStreetMap and support these communities in need.

[START MAPPING](#)

?

<https://tasks.hotosm.org/learn>

<https://github.com/osmbe/presentations/tree/master/mapathons>

National Mapathon – 24 March 2018

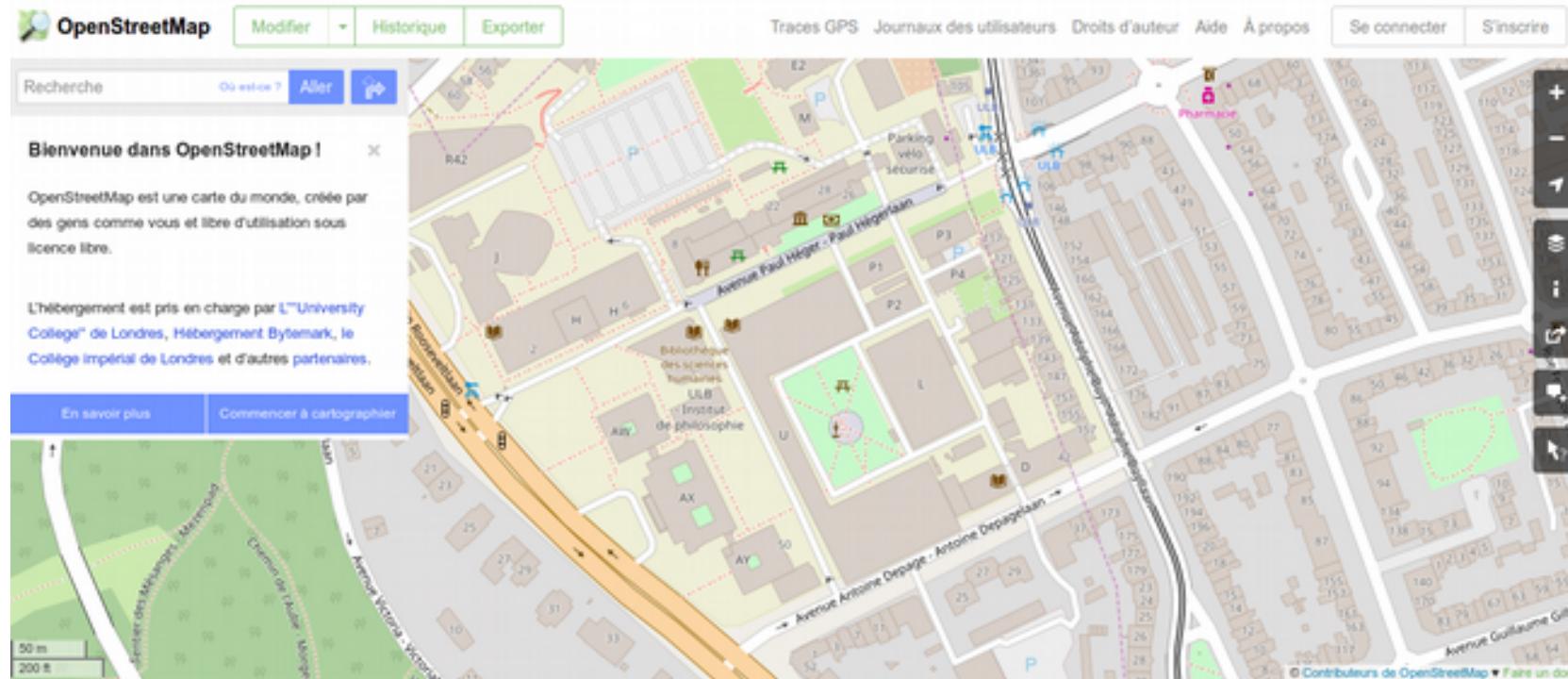
@ ULB/VUB/UCL/KUL/UMons/UNamur/UGent/ULG

1. In your web browser, go on the OpenStreetMap website

 www.openstreetmap.org



2. Click on sign-up and fill in the form



3. Open your e-mail account and open the welcome message to confirm your account. You will be taken to the OpenStreetMap welcome page.

4. In your web browser, go on the HOT Tasking Manager website

 <http://tasks.hotosm.org/>

5. Authenticate you with your OSM username and password (if not already logged on)

6. Click on start mapping



7. Search for a project on which you want to contribute. You can use the search bar to filter projects.

Today project 

Search

Search project description or project number



- 1) # 4318
- 2) # 3904
- 3) # 1970

8. Click on the project title to select it.



MSF teams working in Niger state, northern Nigeria, respond to a variety of different health needs. These include emergency response to disease outbreaks across the area. Accurate maps of the area will assist emergency teams with epidemiological analysis, disease surveillance and logistical planning.

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 Missing Maps tasks facilitate pre-emptive mapping of priority countries to better facilitate disaster response, medical activities and resource allocation when crises occur.

This task was generated through [MapSwipe](#). All satellite imagery has been reviewed for containing buildings.

Status:	DRAFT	Created by:	joneike V
Last updated:	a day ago	Difficulty:	BEGINNER
Priority:	MEDIUM	Type(s) of mapping:	BUILDINGS LAND_USE
Organisation:	Médecins Sans Frontières	Campaign:	Missing Maps
Mapper level required:	No	Validator role required:	No

Organization of a project page

1.

Instructions Map Validate Questions and Comments

Instructions

Entities to map
buildings, roads and waterways

Changeset Comment
#hotosm-project-3630 #MissingMaps #Bangladesh #Rodekruis #Redcross
#infofolio20171213 #amstelveen20171212 #antea20171212

Satellite images: Use BING for this project. Digitalglobe has exactly the same images, but with BING you can zoom in more.

You will be using satellite imagery to map roads, buildings, waterways. For guideline on remote mapping please refer to this wiki: <http://hotosm.github.io/tracing-guides/guide/Akulna.html>

To be efficient with mapping buildings we suggest you use JOSM with building plugin installed. JOSM is made for more experienced mappers and for validators - it takes time to be able to use it.

Ready to get started?
Contribute by mapping or validating work that has already been done.

MAP **VALIDATE**

The screenshot shows a project page for a mapping initiative. At the top, there are tabs for 'Instructions' (which is selected), 'Map', 'Validate', and 'Questions and Comments'. Below the tabs, there's a section titled 'Instructions' with a note about entities to map (buildings, roads, and waterways). A 'Changeset Comment' box contains hashtags related to the project. A note about satellite images suggests using BING. Below this, there's a detailed note about using JOSM for mapping buildings. A large central area features a map of a region with a grid overlay indicating task status (Ready, Mapped, etc.). A legend provides a key for these colors. At the bottom right, there's a copyright notice for OpenStreetMap contributors.

ACTIVITY AND STATS

0. Please read the instructions carefully to have a clear idea of what is expected from your contributions.

This image shows a detailed view of a specific area on the map, likely a 'Priority area' as indicated by the red squares in the legend. The area is covered with a fine grid, where each cell's color represents the current status of that map segment. The legend includes categories like 'Ready' (white), 'Mapped' (yellow), 'Bad imagery' (dark grey), 'Validated' (green), 'Invalidated' (pink), 'Locked' (blue), 'Locked by you' (dark blue), and 'Priority area' (red). The map also shows various geographical features like rivers and roads, with place names like Nalsalbari, Bagdogra, Siliguri, Kamrup, Thakurgaon, and Nilphamari visible.

Legend

- Ready
- Mapped
- Bad imagery
- Validated
- Invalidated
- Locked
- Locked by you
- Priority area

10 km

Pingan

© OpenStreetMap contributors

Organization of a project page

2



TASKING MANAGER

Contribute

Learn

About

What is New?

English

maellevd

Instructions

Map

Validate

Questions and Comments

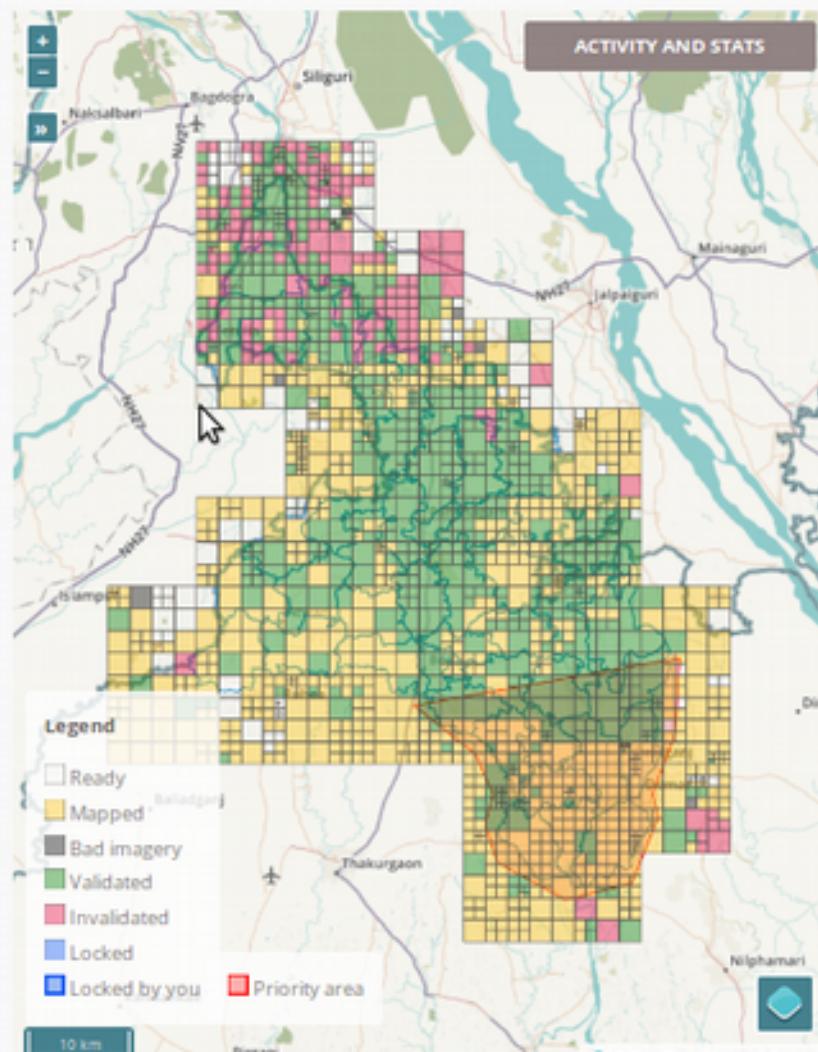
Choose a task

Choose a task for mapping:

Option 1: Select a task by clicking on the map

Option 2: **SELECT A RANDOM TASK**

1. Selecting a white square



Organization of a project page

2.

TASKING MANAGER Contribute Learn About What is New?

English maellevd

Instructions Map Validate Questions and Comments

Mapping

This task is available for mapping.

START MAPPING

SELECT ANOTHER TASK

The selected task

History

Locked for mapping by haabee
20 days ago for 30 minutes

Locked for mapping by Orphros
a month ago for a minute

Locked for mapping by haabee
a month ago for 7 minutes

Locked for mapping by nicemar
a month ago for an hour

Locked for mapping by haabee
2 months ago for 24 minutes

Locked for mapping by Giel van der Leest
3 months ago for 12 minutes

Advanced

Advanced task information and editing options

ACTIVITY AND STATS

Legend

- Ready
- Mapped
- Bad imagery
- Validated
- Invalidate
- Locked
- Locked by you
- Priority area

10 km

Lock a task and begin to contribute to the map

 **TASKING MANAGER** Contribute Learn About What is New? English maellevd

Instructions Map Validate Questions and Comments

Mapping

Extra Instructions

Satellite images: Use only the DigitalGlobe premium imagery
Get started by choosing your editor of choice.

ID Editor START EDITOR

Download this task as a gpx file to see its boundary.

Done editing? Leave a comment and select one of the options below that matches your editing status

Leave a comment

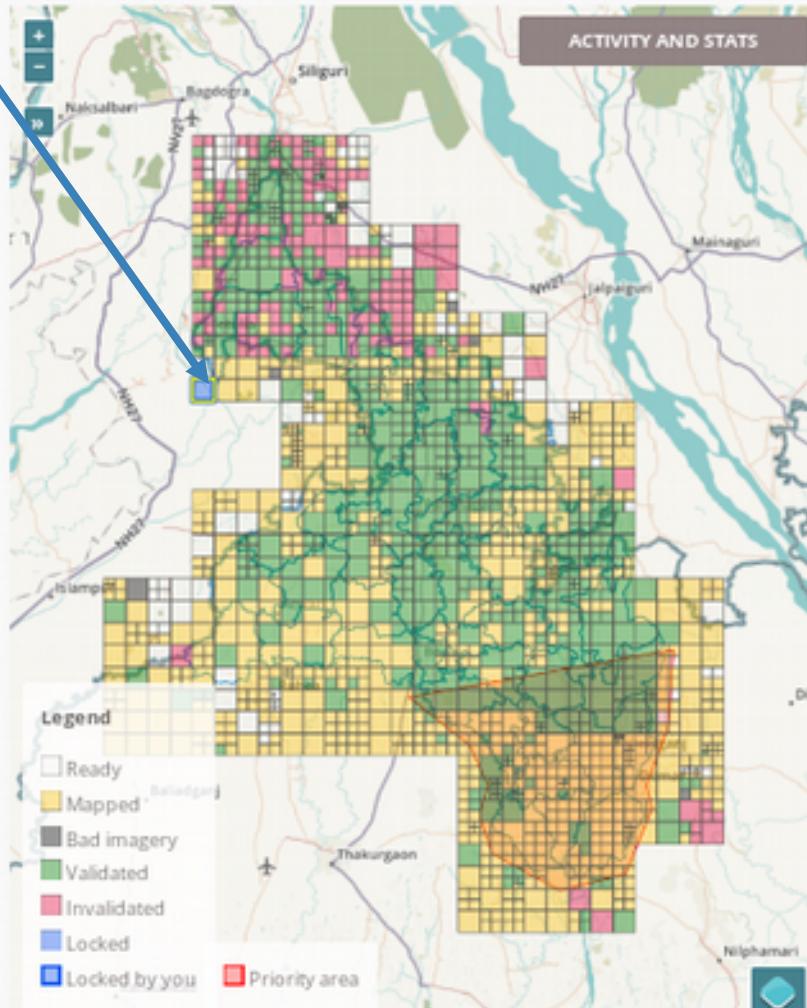
500 characters remaining

MARK AS COMPLETELY MAPPED

MARK AS BAD IMAGERY STOP MAPPING

SPLIT TASK

The selected task is too big ?



Lock a task and begin to contribute to the map

HOT TASKING MANAGER Contribute Learn About What is New? English maellevd

Instructions Map Validate Questions and Comments

Choose a task

Choose a task for mapping:

Option 1: Select a task by clicking on the map

Option 2: **SELECT A RANDOM TASK**

The selected task is split

The screenshot shows the OpenStreetMap Tasking Manager interface. On the left, there's a sidebar with options like 'Instructions', 'Map' (which is highlighted in orange), 'Validate', 'Questions and Comments'. Below that is a section titled 'Choose a task' with two options: 'Select a task by clicking on the map' and 'SELECT A RANDOM TASK'. A callout box with a blue border and white text 'The selected task is split' points to a specific location on the map. The main area is a map of a rural landscape with roads and terrain. To the right of the map is a grid-based 'ACTIVITY AND STATS' panel. At the bottom left of the map area is a legend with the following categories: Ready (yellow square), Mapped (green square), Bad imagery (orange square), Validated (blue square), Invalidated (red square), Locked (purple square), Locked by you (dark purple square), and Priority area (pink square). A scale bar at the bottom indicates 5 km. The map also has place names like Ghosgous, Nkob, and Ruhia.

Lock a task and begin to contribute to the map

 **TASKING MANAGER** Contribute Learn About What is New? English maelievad

Instructions Map Validate Questions and Comment

Mapping

Extra Instructions

Satellite images: Use only the DigitalGlobe premium imagery
Get started by choosing your editor of choice.

iD Editor [START EDITOR](#)

[Download](#) this task as a gpx file to see its boundary.

Done editing? Leave a comment and select one of the options below that matches your editing status

Leave a comment

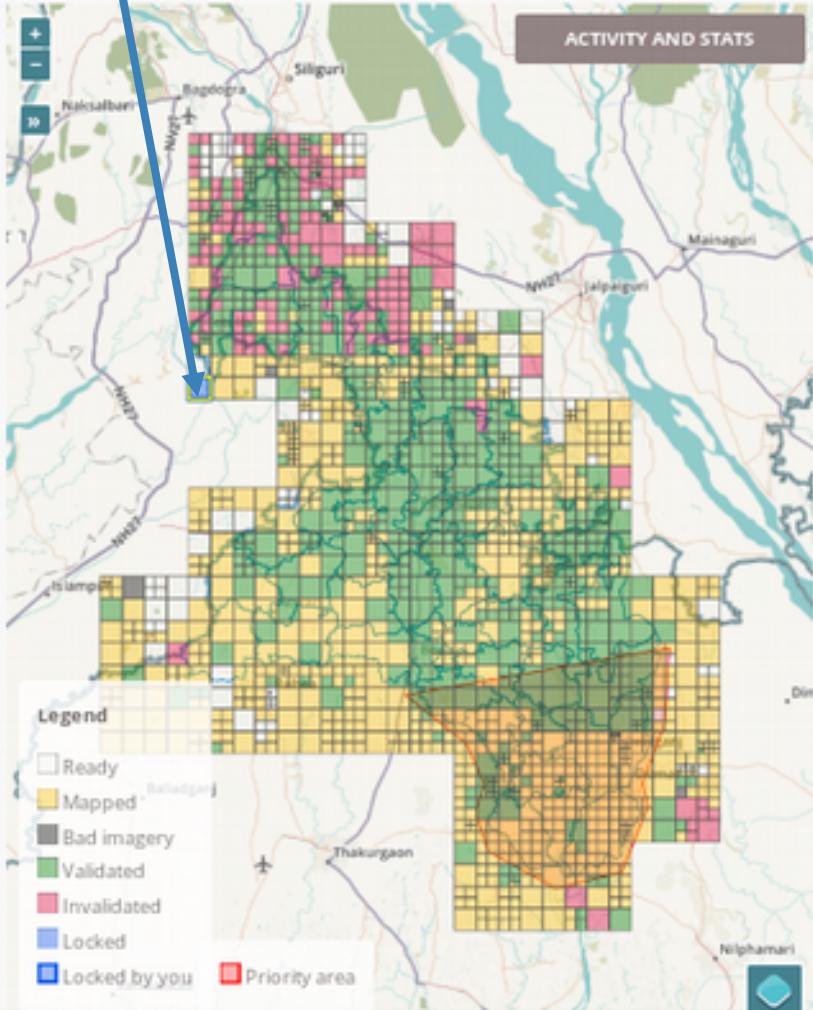
500 characters remaining

[MARK AS COMPLETELY MAPPED](#)

[MARK AS BAD IMAGERY](#) [STOP MAPPING](#)

[SPLIT TASK](#)

**Task locked.
You can start mapping!**



Legend

- Ready
- Mapped
- Bad imagery
- Validated
- Invalidated
- Locked
- Locked by you
- Priority area

Lock a task and begin to contribute to the map

 [TASKING MANAGER](#) [Contribute](#) [Learn](#) [About](#) [What is New?](#) [English](#) [maelievdt](#)

Instructions **Map** Validate Questions and Comments

Mapping

Extra Instructions

Satellite images: Use only the DigitalGlobe premium im...

Get started by choosing your editor of choice:

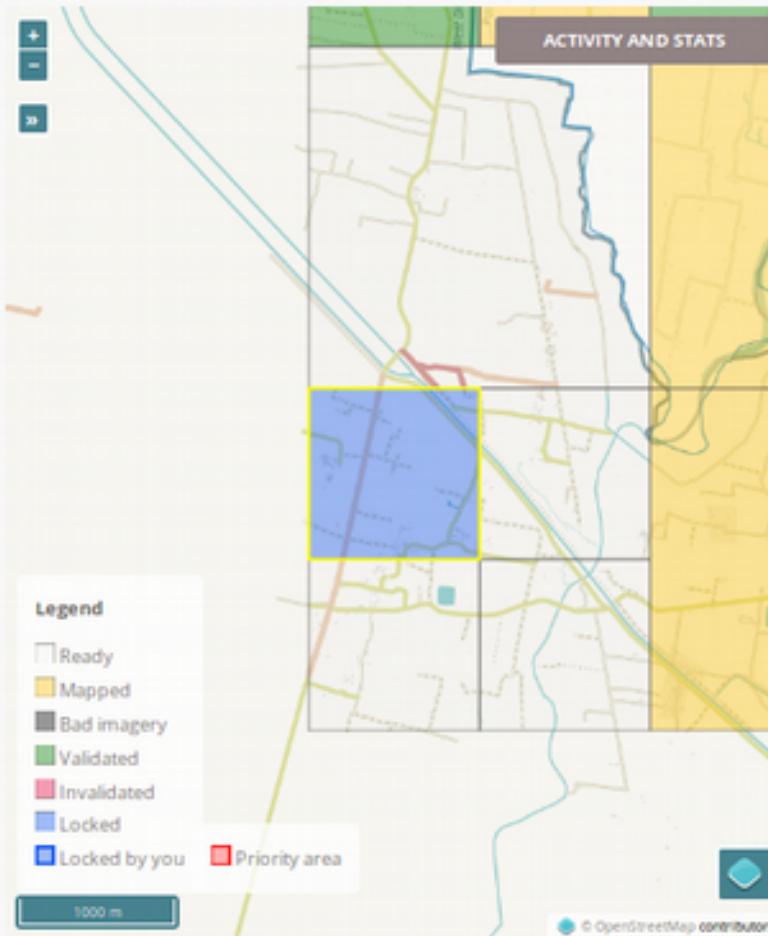
ID Editor **START EDITOR**

Download this task as a gpx file to see its boundary.

Done editing? Leave a comment and select one of the options below that matches your editing status

Leave a comment
500 characters remaining

MARK AS COMPLETELY MAPPED **STOP MAPPING**



ACTIVITY AND STATS

Legend

- Ready
- Mapped
- Bad imagery
- Validated
- Invalidated
- Locked
- Locked by you
- Priority area

1000 m

© OpenStreetMap contributors

Lock a task and begin to contribute to the map

Open the OSM iD editor in a new tab and begin to map

*Other tools can be used for mapping in OSM
As new-mappers, we will use the iD editor*

Mapping
Get started by choosing your editor of choice.

ID Editor **START EDITOR**

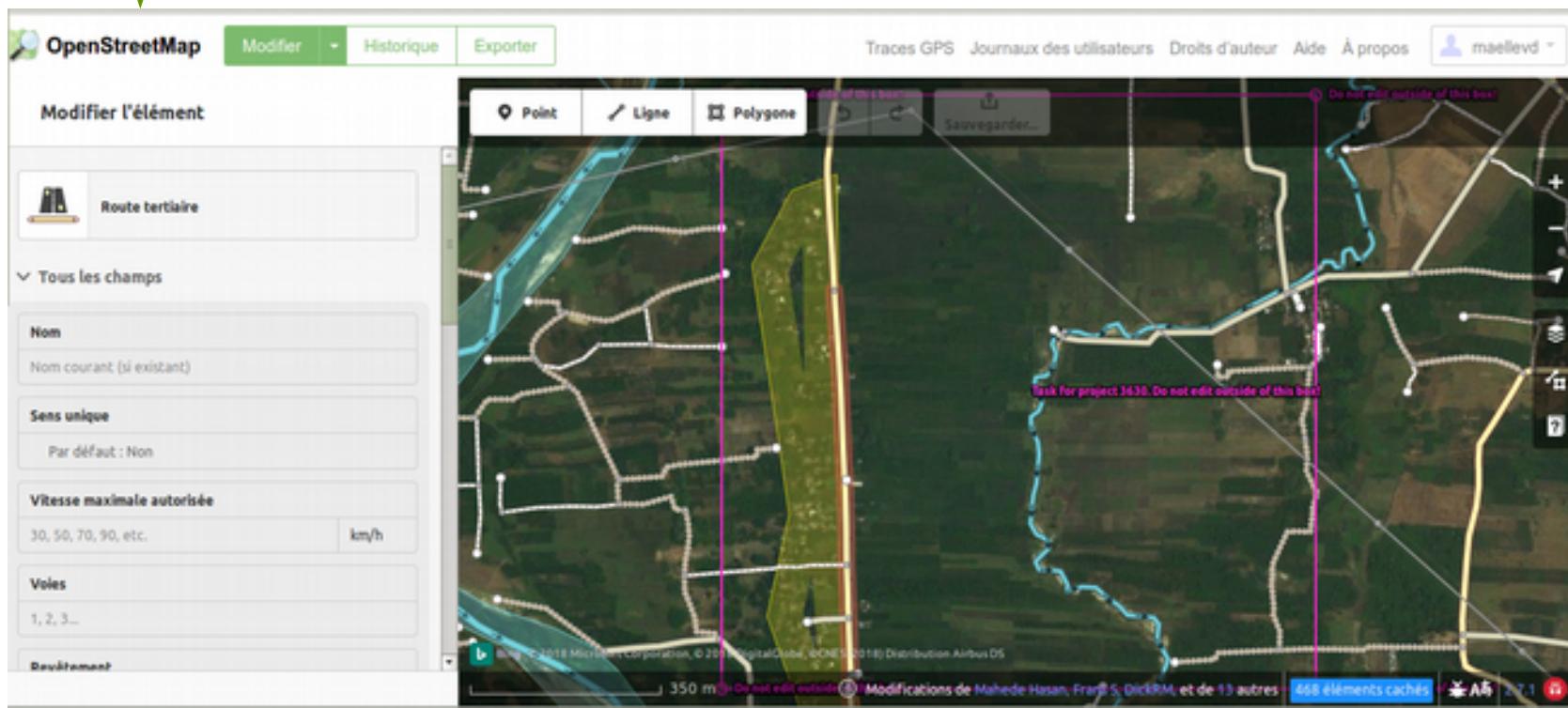
josm
Potlatch 2
Field Papers

Done editing? Leave a comment and select one of the options below that matches your editing status

Leave a comment

500 characters remaining

MARK AS COMPLETELY MAPPED



Please take note about the project AND task number !!

...in case you quit your TaskingManager webpage...

URL :

[https://tasks.hotosm.org/project/4318?
task=1343](https://tasks.hotosm.org/project/4318?task=1343)

HOT project number



Task number



Advanced

Advanced task information and editing options

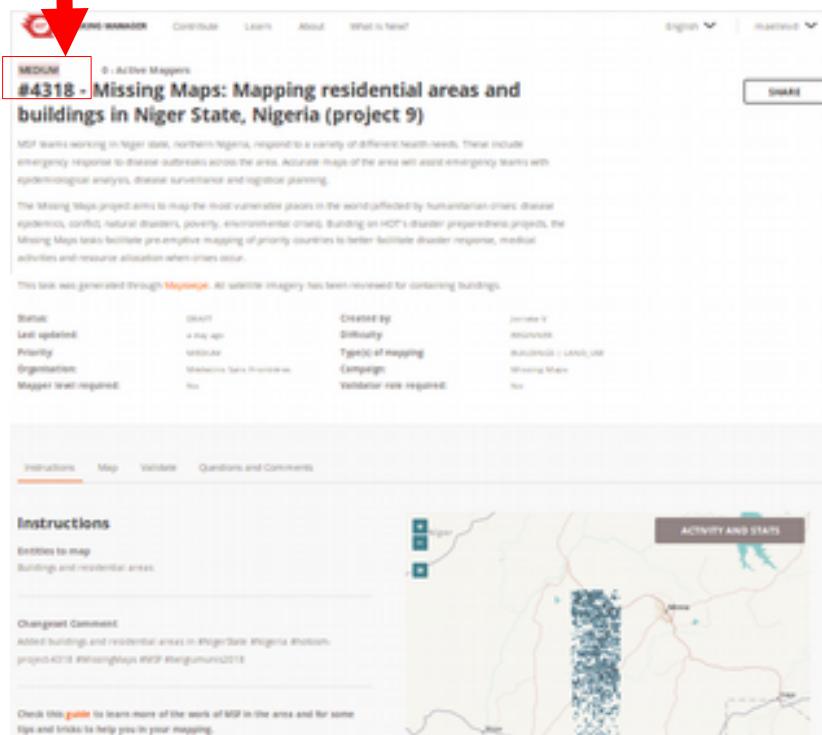
Details

ID	#1343
Status	LOCKED_FOR_MAPPING
Locked by	maelievld

Options

[VIEW OSM CHANGESETS](#)

[VIEW IN OVERPASS TURBO](#)



MAPPING 8 Active Mappers

#4318 - Missing Maps: Mapping residential areas and buildings in Niger State, Nigeria (project 9)

MSF teams working in Niger state, northern Nigeria, respond to a variety of different health needs. These include emergency response to disease outbreaks across the area. Accurate maps of the area will assist emergency teams with epidemiological analysis, disease surveillance and logistic planning.

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 Missing Maps tasks facilitate pre-emptive mapping of priority countries to better facilitate disaster response, medical activities and resource allocation when crises occur.

This task was generated through [Maproulette](#). All satellite imagery has been reviewed for containing buildings.

Status:	DRAFT	CREATED by:	jonathan_h
Last updated:	a day ago	Difficulty:	beginner
Priority:	medium	Type(s) of mapping:	buildings + landslides
Organizations:	Malteser Seite Privatverein	Campaign:	Missing Maps
Mapper role required:	No	Validator role required:	No

Instructions

Entities to map:
Buildings and residential areas.

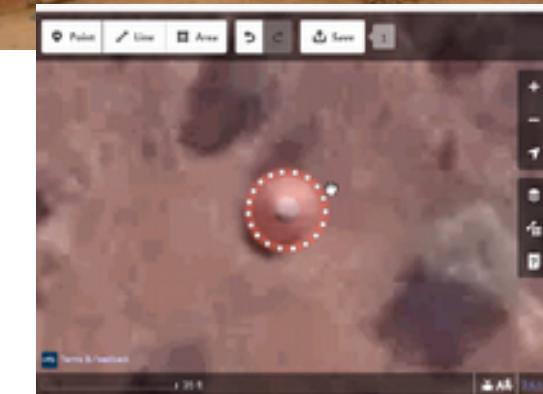
Changefeed Comment:
Added buildings and residential areas in Katsina State, Nigeria (hotosm-project4318). 2018-05-10T10:45:20Z

Check this [guide](#) to learn more of the work of MSF in the area and for some tips and tricks to help you in your mapping.

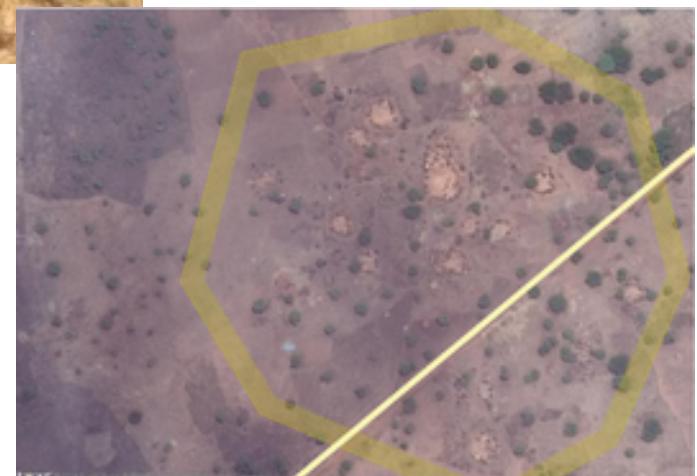
& Save often !!!

Overall Goals of our task today

- Find all buildings, draw an area around them and tag each as **Building Features=Building** in iD or **building=yes** in JOSM.



- Find all of the villages in the area, draw an area around them, tagging each as **Land Use Features=Residential Area** in iD or **landuse=residential** in JOSM.



Mapping buildings

Compound
Square mud
huts



Rectangular
house
with tinned
roof



Building Features=Building

building=yes

In larger villages you will find brick houses and circular or squared mud huts, with either straw roofs and tin roofs.

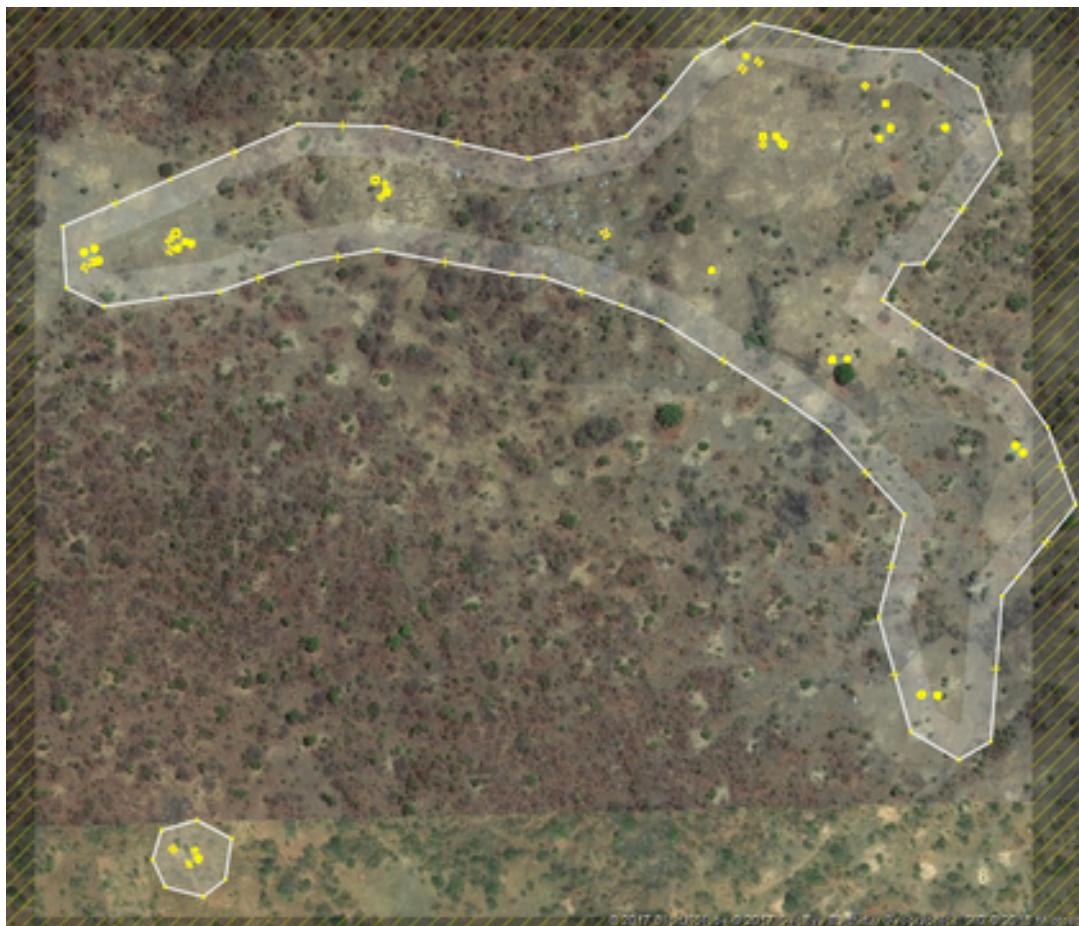
Mapping buildings

Some more advice:

- Don't forget to square or circle your building!
- Pay attention that your building does not share points with or overlap roads and other buildings. Zooming in very close will help, and in the iD web editor, holding down the Alt key will keep nodes from "snapping" to each other and accidentally connecting.
- Draw the footprint of your building, not the roof.
- When a building is partly covered by trees, try to outline the complete building as best as you can.
- Only if you have personal knowledge of a building, add that information to the building, like the name or type of building (hospital, school, gas station, etc).

Mapping residential areas

Settlements in this part of the world are generally organised into extended family compounds, each containing a number of small shelters and often a few crops.



A residential area is an area with more than two buildings. **But**, do not draw a residential area around every two buildings you map. Sometimes, it makes sense to draw one huge residential area instead of plenty of small ones. Please, do zoom out and consider the right size of the residential area you are mapping.

Land Use Features=Residential Area

landuse=residential

Mapping residential areas

Some more advice:

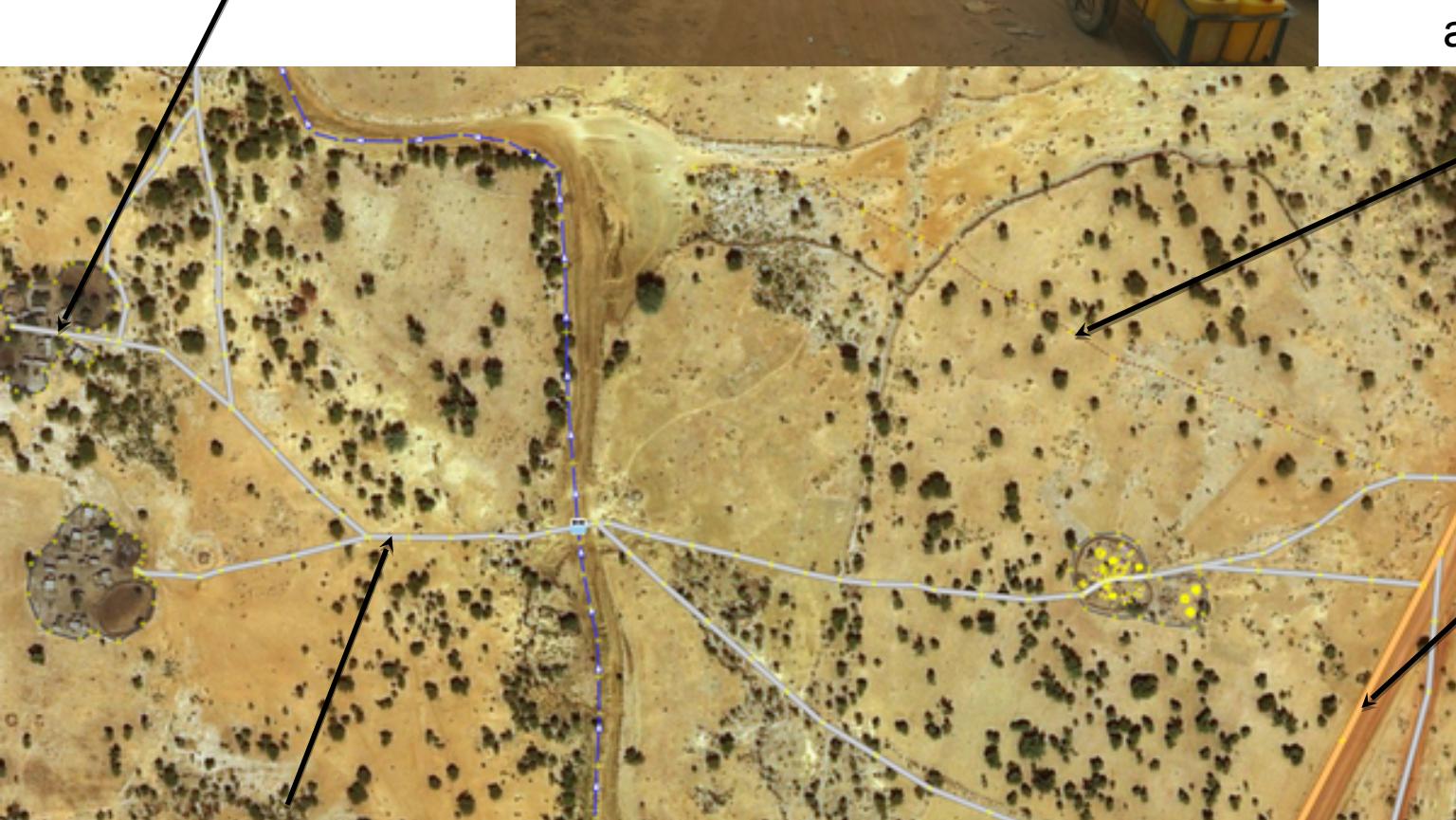
- The boundary of the residential area needs to be closed. Make sure that the start point of the line, joins to the end point.
- The lines and points of the boundary you draw can cross highways, buildings, streams,... but should not share any points or lines.
- The boundary should be fairly close to the buildings and any compounds that form part of the grouping.
- If your residential area is bigger than your ‘pink square’, draw a closed area as good as you can, and ‘hand it over’ by placing the boundary of the area just outside your square so the next mapper can take it on from there.

Mapping roads

Residential road within a village



Most of the roads are unpaved. This does not mean that we will map all roads as track. The road typology is rather based on the road importance and not on the surface or visual appearance.



Minor / Unclassified road connecting villages

Track leading to fields and a river

Secondary road - like primary roads are mostly already mapped

Mapping roads

Some more advice:

- Zooming out the imagery helps to get a better understanding of the context, which is of help with the classification of the road.
- In most of the cases you will start mapping new roads from already existing ones. Make sure that the first point of your line starts on the other road. Don't leave a gap between the two roads. Also if two roads are intersecting, make sure they are connected.
- Split your road on each bigger intersection and if you need to change the road classification. Do this in iD by a right click of your mouse on the line and in JOSM look in the tools tab.
- If your road is longer than your 'pink square', draw the road as good as you can and 'hand it over' by placing the last point of the road just outside your square so the next mapper can take it on from there.
- Don't confuse roads with dry rivers and streams!

Unlock the task and leave a comment

WHEN YOU WANT TO STOP MAPPING:

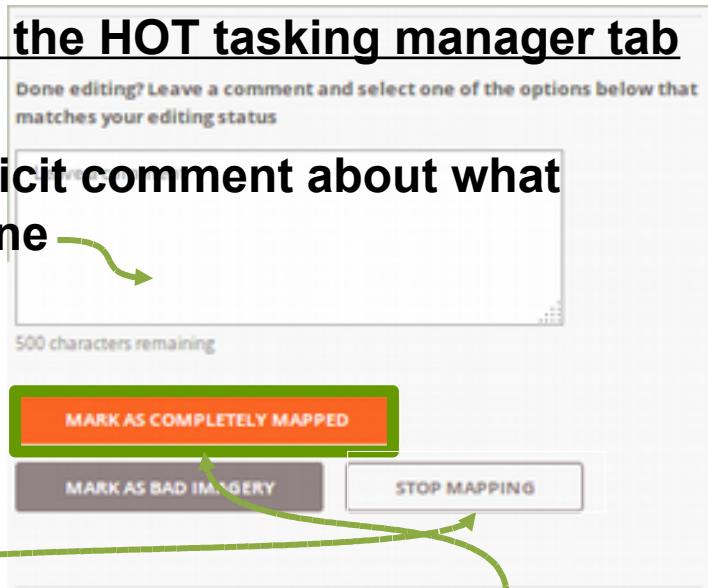
1. Make sure you have saved the changes you made in the iD editor.

2. Close the iD editor tab in your web-browser

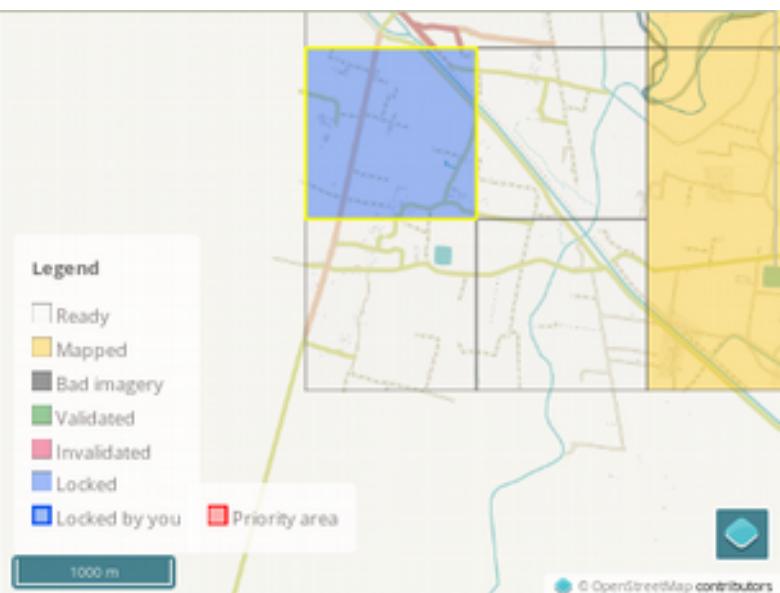
3. Return on the HOT tasking manager tab

4. Leave a explicit comment about what you have done

5. If you want to stop mapping, use the « stop mapping » button



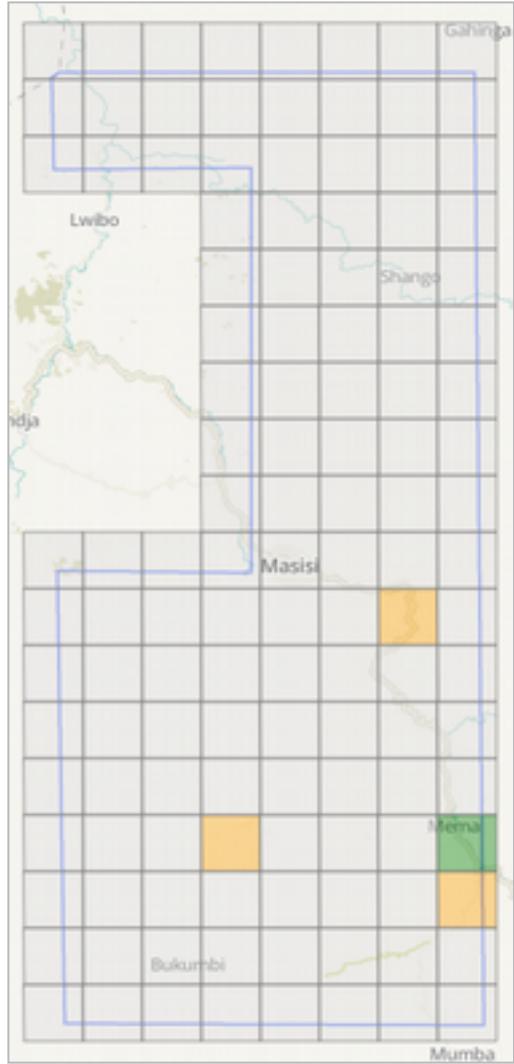
6. If the task is done, use the « Mark task as completely mapped» button



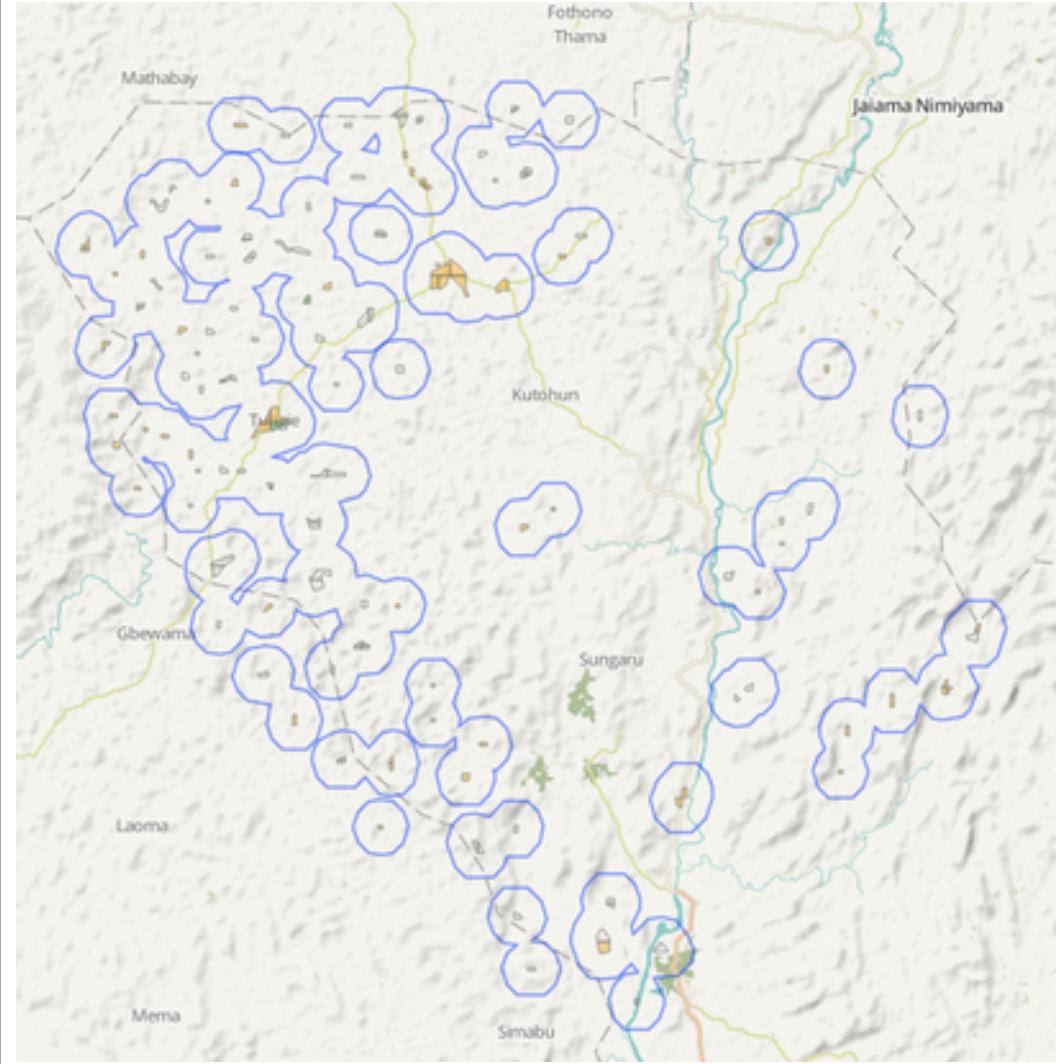
Make sure your task is unlocked !

Additional information about MAPSWIPE

Classic tasks grid



Tasks preselected thanks to Mapswipe



<https://mapswipe.org>

What is MAPSWIPE



Mapswipe

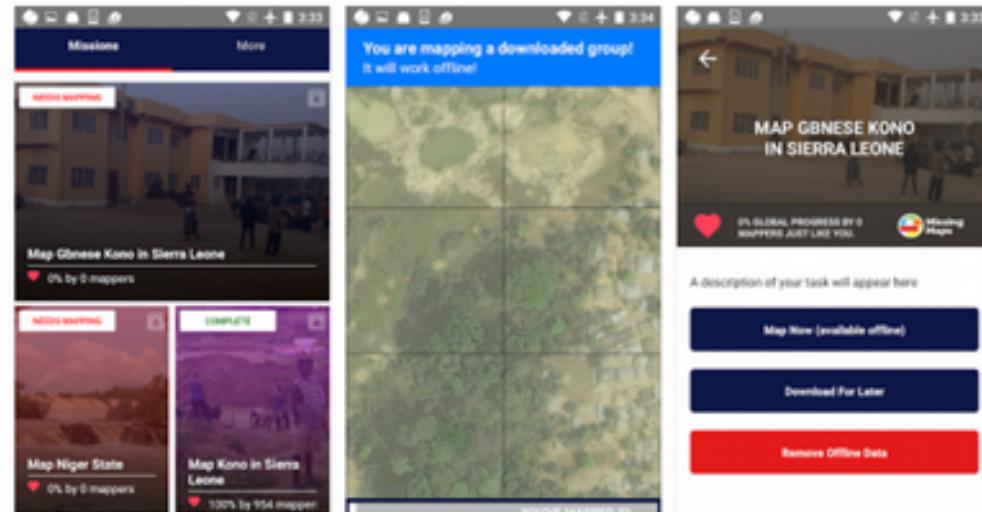
Missing Maps Tools

PEGI 3

This app is compatible with all of your devices.

★★★★★ 210 ▾

Installed



Humanitarian organizations can't help people if they can't find them. MapSwipe is a mobile app that lets you search satellite imagery to help put the world's most vulnerable people on the map.

In MapSwipe, developed in collaboration with the Missing Maps project, users choose a crisis prone part of the world they want to help, such as spotting villages at risk from a cholera outbreak in the Democratic Republic of Congo. They must then swipe through satellite images of the region, tapping

What is MAPSWIPE



What is MAPSWIPE

