Mapping on the Ground

OSM Tools

Field Papers

Field Papers

Printed Maps

MAKE an atlas to print

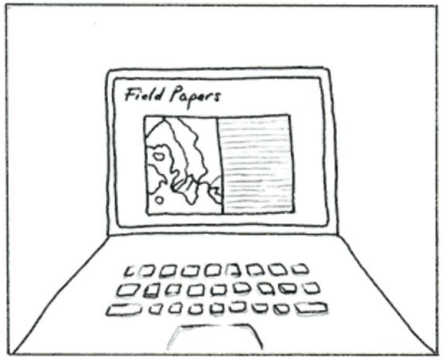
UPLOAD pages you've marked

WATCH recent activity

EXTEND with advanced tools

LOG IN or create an account

Welcome to Field Papers



Make yourself an atlas

Print out anywhere in the world.

Take it into the field

Make your notes and observations.

Capture your notes

Upload pages you've photographed.

http://fieldpapers.org/

Atlas information

Atlas Title

- [ ] Print notes (?)
- [ ] Keep atlas private (?)

Grid layout

Paper size: Letter

Orientation: Landscape

Basemap: OpenStreetMap

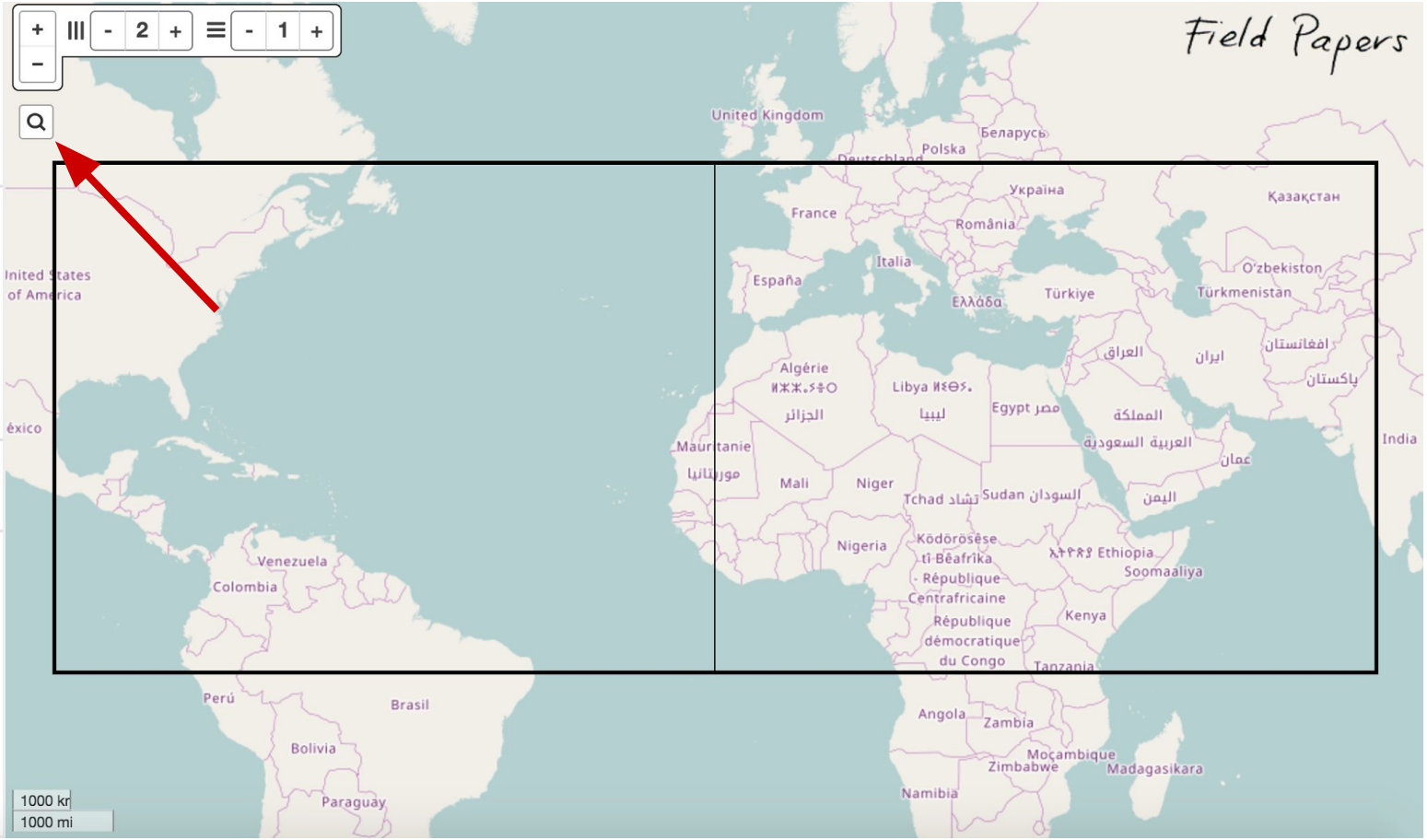
- [ ] Pin grid to map

Add-ons

- [ ] UTM Grid (?)

MAKE ATLAS

Cancel



Atlas information

University of South Pacific

- [ ] Print notes (?)
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Grid layout

Paper size: Letter

Orientation: Landscape

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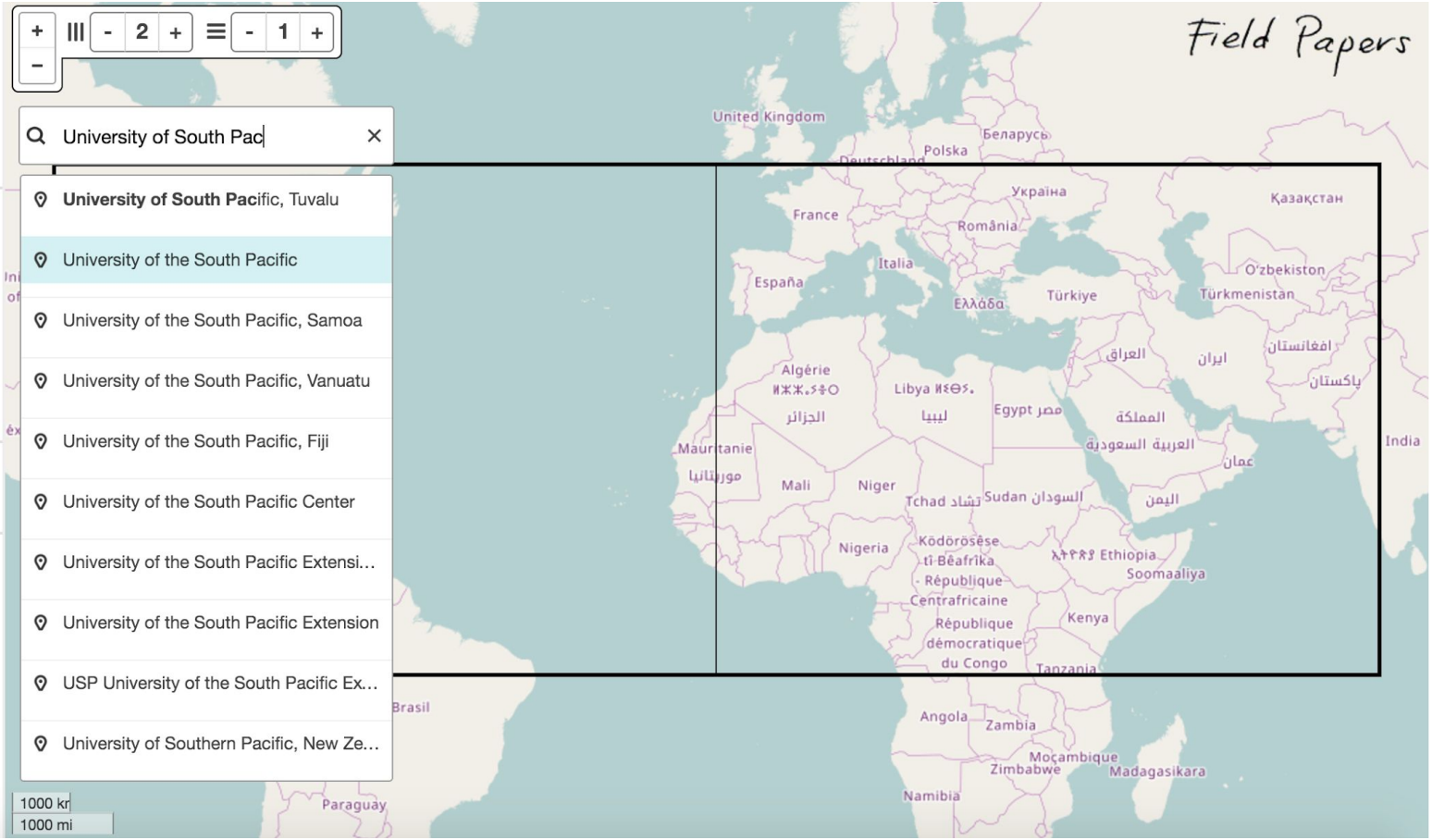
- [ ] UTM Grid (?)

MAKE ATLAS

Cancel



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University of South Pacific

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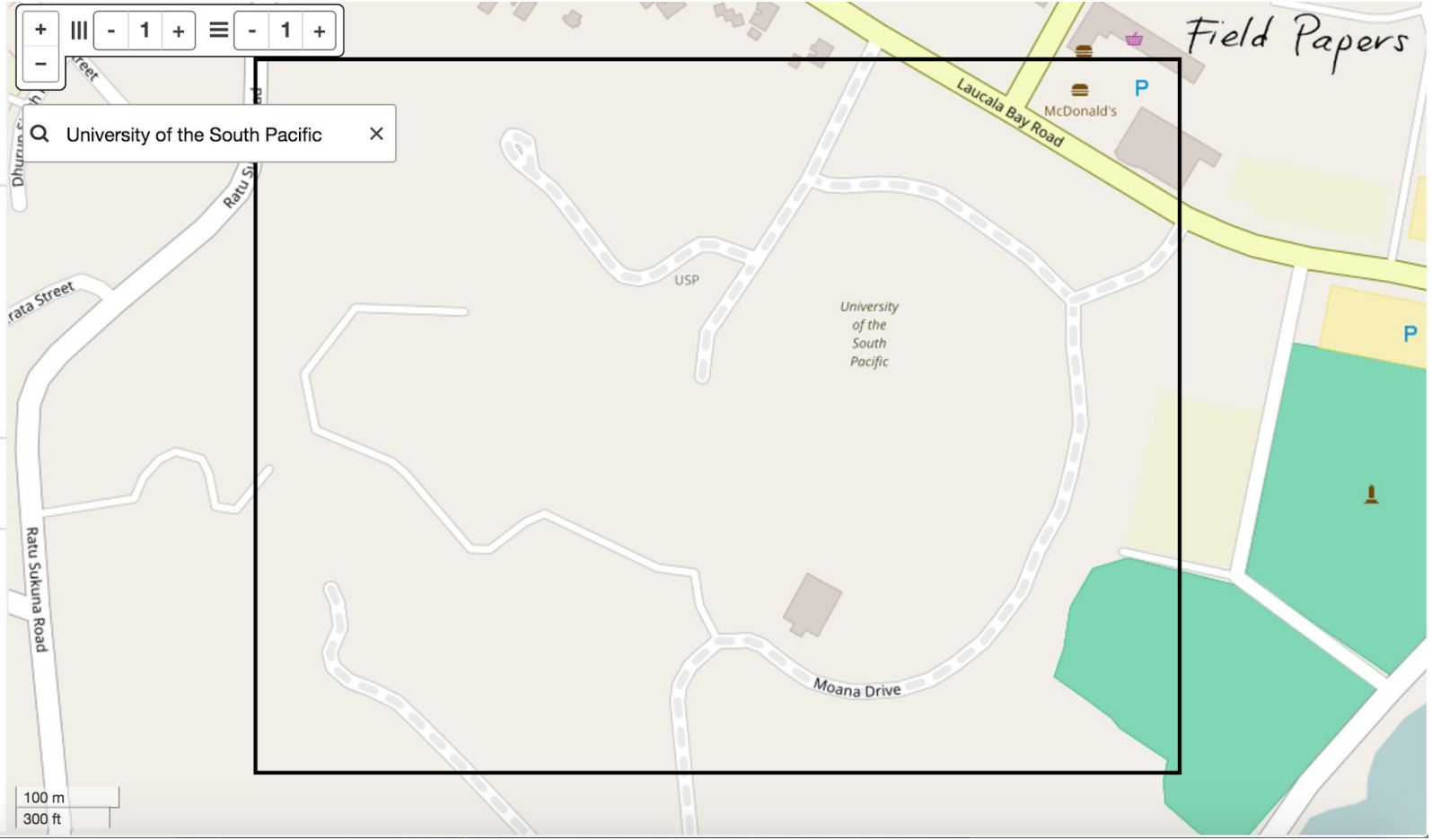
MAKE ATLAS

Cancel



Atlas information

University of South Pacific

- [ ] Print notes (?)
- [ ] Keep atlas private (?)

Grid layout

Paper size: Letter

Orientation: Landscape

Basemap: Satellite + Labels

- OpenStreetMap
- Black & White
- Satellite + Labels
- Satellite Only

MAKE ATLAS

Cancel

Atlas information

University of South Pacific

- [ ] Print notes (?)
- [ ] Keep atlas private (?)

Grid layout

Paper size: Letter

Orientation: Landscape

Basemap: Mapbox Satellite

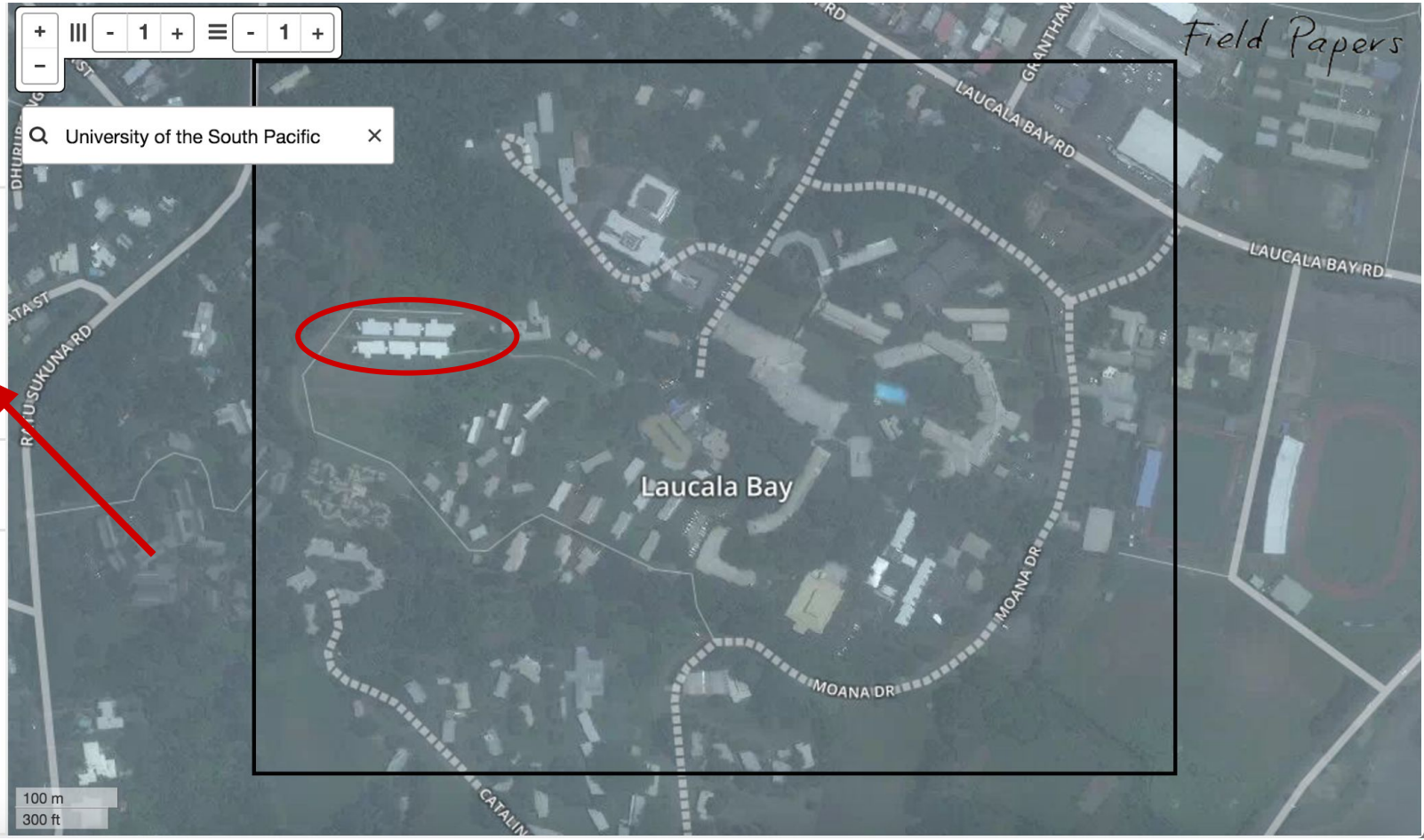
- [ ] Pin grid to map

Add-ons

- [ ] UTM Grid (?)

MAKE ATLAS

Cancel



Atlas information

University of South Pacific

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Grid layout

Paper size: Letter

Orientation: Landscape

Basemap: Mapbox Satellite

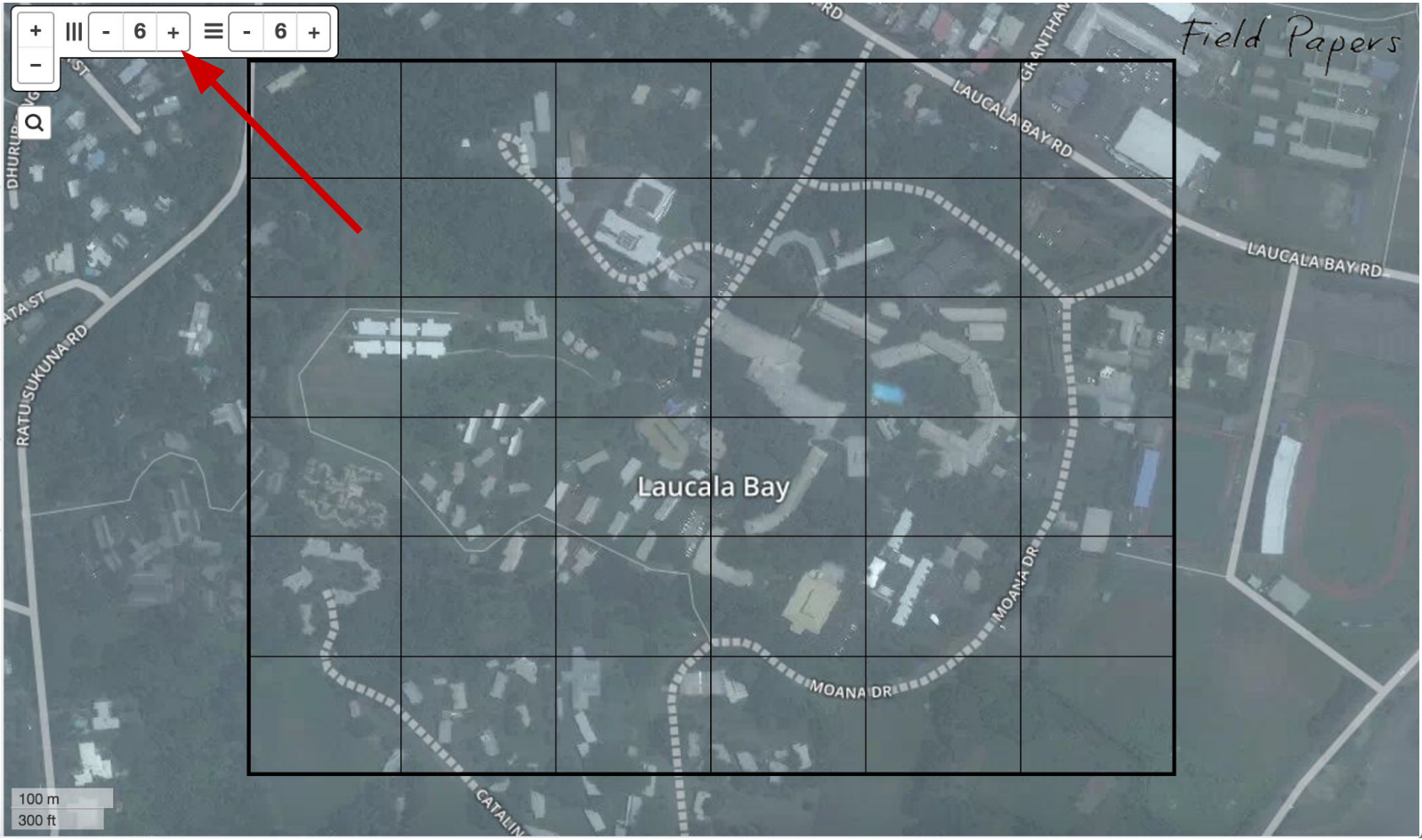
- [ ] Pin grid to map

Add-ons

- [ ] UTM Grid (?)

MAKE ATLAS

Cancel



Field Papers

MAKE an atlas to print | **UPLOAD** pages you've marked | **WATCH** recent activity | **EXTEND** with advanced tools | **LOG IN** or create an account

Atlas Rendering

This process has been running for less than a minute

This may take a while, generally a few minutes. You don't need to keep this window open; you can bookmark this page and come back later.

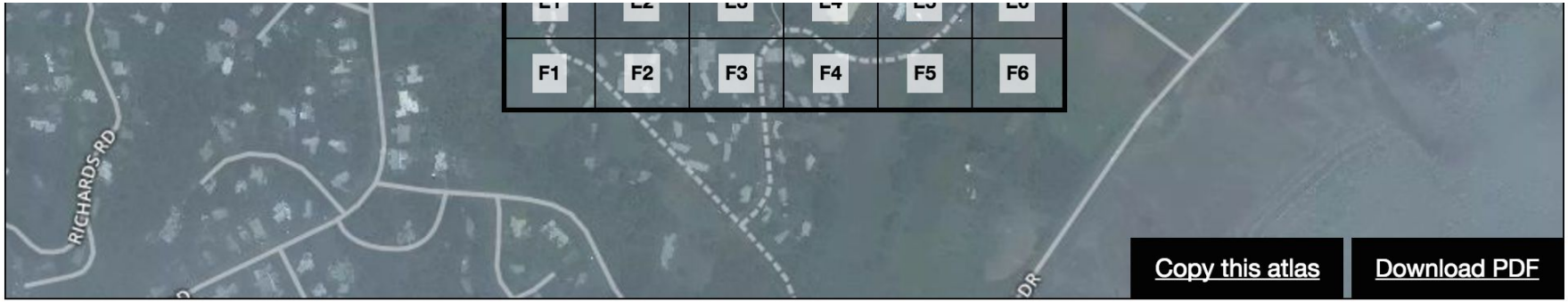
If it takes more than an hour, check @fieldpapers on Twitter for system status updates, and email us at help[at]fieldpapers.org if your atlas is stuck.

University of South Pacific

37 pages

Copy this atlas

Download PDF



Activity

- anonymous made this atlas 1 minute ago

  37 pages + mapbox-satellite + landscape + full-page

Export Data

- GeoJSON
- Plain Text (CSV)
- Snapshot URL Grid (CSV)

Edit in...

- iD
- Potlatch
- JOSM

Chrome File Edit View History Bookmarks People Window Help 49% Wed 17:35

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fieldpapers.org/atlases/45s99r66.geojson

Apps TweetDeck Asana Gmail Drive Calendar HOT Wiki Waffle.io GitHub Gitter Slack Trello Summit IRC Clock Test Live

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Please donate!

HOT Tasking Manager

About English mataharimhairi

Project New

Step 1

Draw the area of interest on the map.

or

Import a *GeoJSON*, *KML*, or *zipped SHP* file.

Want to use an *.osm* file instead?

You can use GeoJSON.io to convert it to *GeoJSON*.

About the Tasking Manager
Email HOT at info@hotosm.org
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Like HOT on Facebook

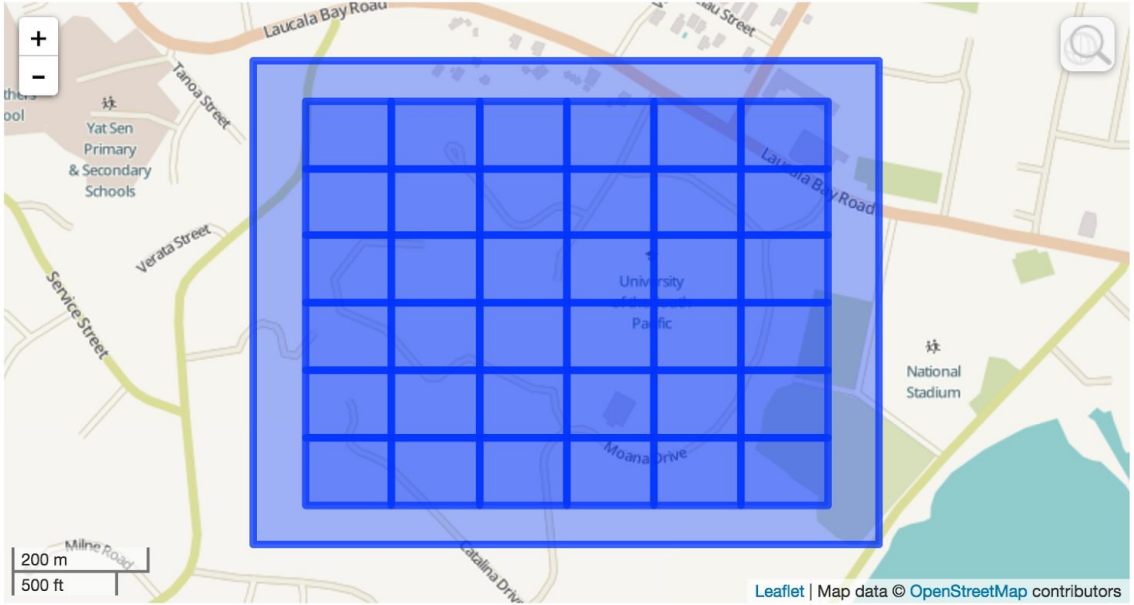
Fork the code on github.

Please donate!

HOT Tasking Manager

About English mataharimhairi

Project New



Step 2 - Type of project

Square Grid

Area of interest is automatically split into grid cells. Each one is a task.

Arbitrary Geometries

Each polygon represents a task.

Back Next

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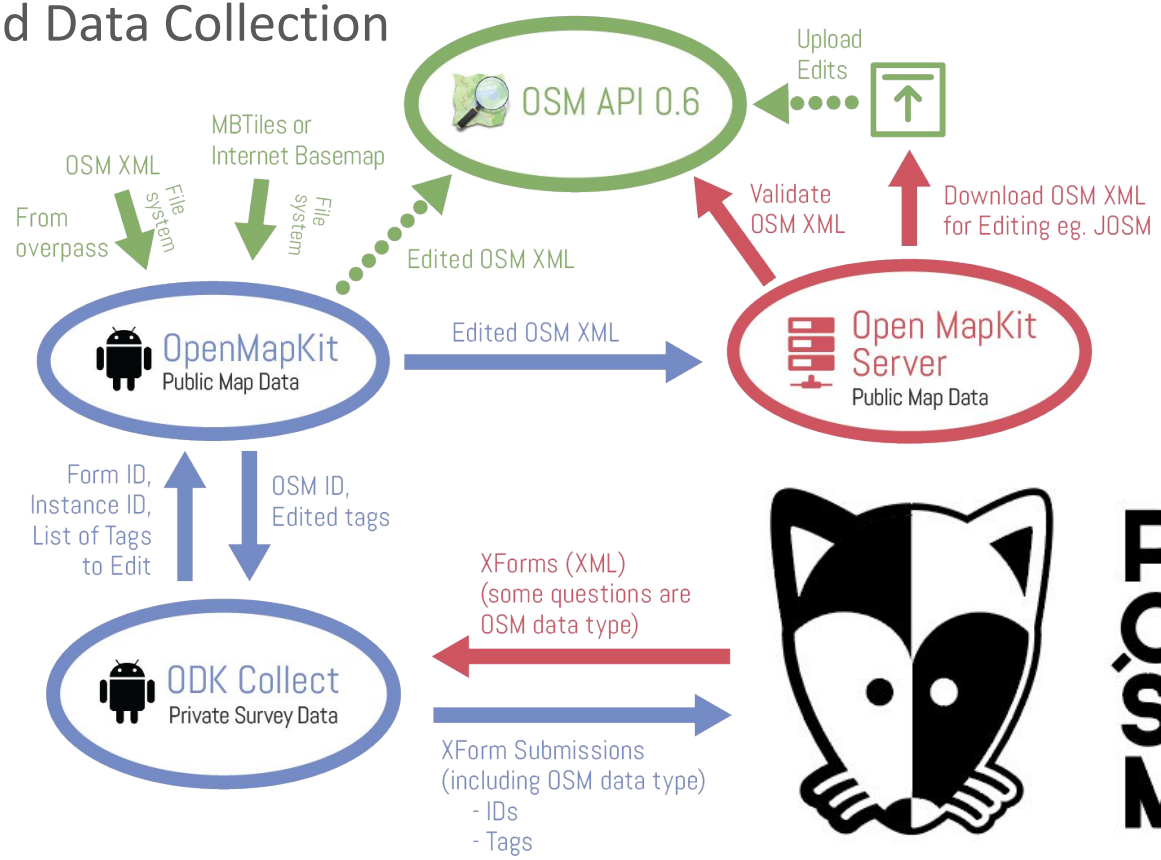
OpenMapKit

Ground Data Collection



PORTABLE OPEN STREET MAP

http://openmapkit.org/

ODK Form

‘Survey’ Sheet

hot_01_mobile_money.xlsx

mhairi.ohara@hotosm.org

File Edit View Insert Format Data Tools Add-ons Help Last edit was on January 12

Comments Share

$ % .0 .00 123 Arial 10 More

fx type

	A	B	C	D	E	F	G
1	**type**	**name**	**label**	**hint**	**relevant**	**required**	
2	start	start					
3	today	today					
4	deviceid	deviceid					
5							
6	image	image	Take a picture				
7							
8	osm mobile_money_tags	osm_mobile_money	Mobile Money Agent	Tag mobile money agent		yes	
9							
10							
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24							

survey choices osm settings

ODK Form

‘Choices’ Sheet

hot_01_mobile_money.xlsx

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mhairi.ohara@hotos

Comments

Arial 10

list_name

	A	B	C	D	E	F	G	H	I	J
1	list_name	name	label							
2										
3										
4										
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25										

survey | choices | osm | settings

ODK Form

‘OSM’ Sheet

hot_01_mobile_money.xlsx

mhairi.ohara@hotosm.org

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Comments Share

Arial 10 More

fx list name

	A	B	C	D	E
1	**list name**	**name**	**label**		
2	mobile_money_tags	amenity	Amenity (required)		
3	mobile_money_tags	network	Network (required)		
4	mobile_money_tags	name	Business name (required)		
5	mobile_money_tags	male	Male handler present? (required)		
6	mobile_money_tags	female	Female handler present? (required)		
7	mobile_money_tags	opening_hours	Opening hours		
8	mobile_money_tags	phone	Phone number		
9	mobile_money_tags	addr:city	City		
10	mobile_money_tags	addr:street	Street		
11	mobile_money_tags	addr:housenumber	House/plot number		
12	mobile_money_tags	level	Floor, if necessary to indicate		
13	mobile_money_tags	shop	Shop, if also selling other goods		
14	mobile_money_tags	description	Comments (agent ID)		
15					
16					
17	amenity	mobile_money_agent	Mobile money		
18					
19	network	Airtel Money	Airtel Money		
20	network	Africell Money	Africell Money		
21	network	MTN Mobile Money	MTN Mobile Money		
22	network	UTL M-Sente	UTL M-Sente		
23	network	SMART Mobile Money	SMART Mobile Money		
24	network	Vodacom M-Pesa	Vodacom M-Pesa		
25	network	Safaricom M-Pesa	Safaricom M-Pesa		

survey choices osm settings

ODK Form

‘Settings’ Sheet

hot_01_mobile_money.xlsx

File Edit View Insert Format Data Tools Add-ons Help Last edit was on January 12

mhairi.ohara@hotosm.org

Comments Share

Arial 10 More

fx form_id

	A	B
1	**form_id**	**title**
2	01_mobile_money	01 Mobile Money Agent

survey choices osm settings

XLSForm

Convert Forms to Survey

OpenDataKit
magnifying human resources through technology

ABOUT USE DO

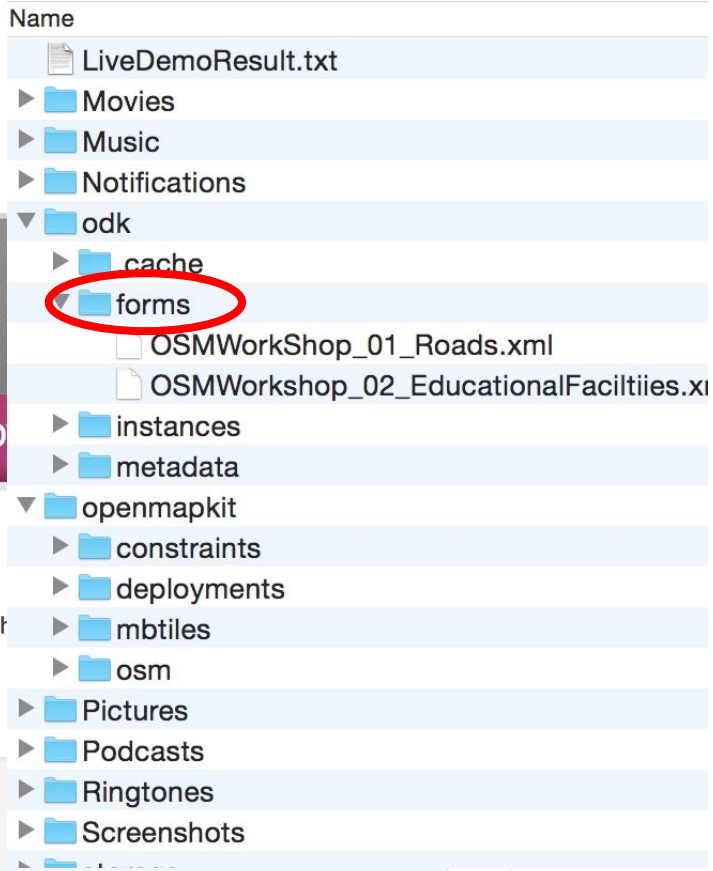
XLSForm

XLSForm (formerly XLS2Xform) is a tool to simplify the creation of forms. Forms can be designed with XForms that can be used with ODK tools.

See XLSForm for more information.

File: Choose File No file chosen

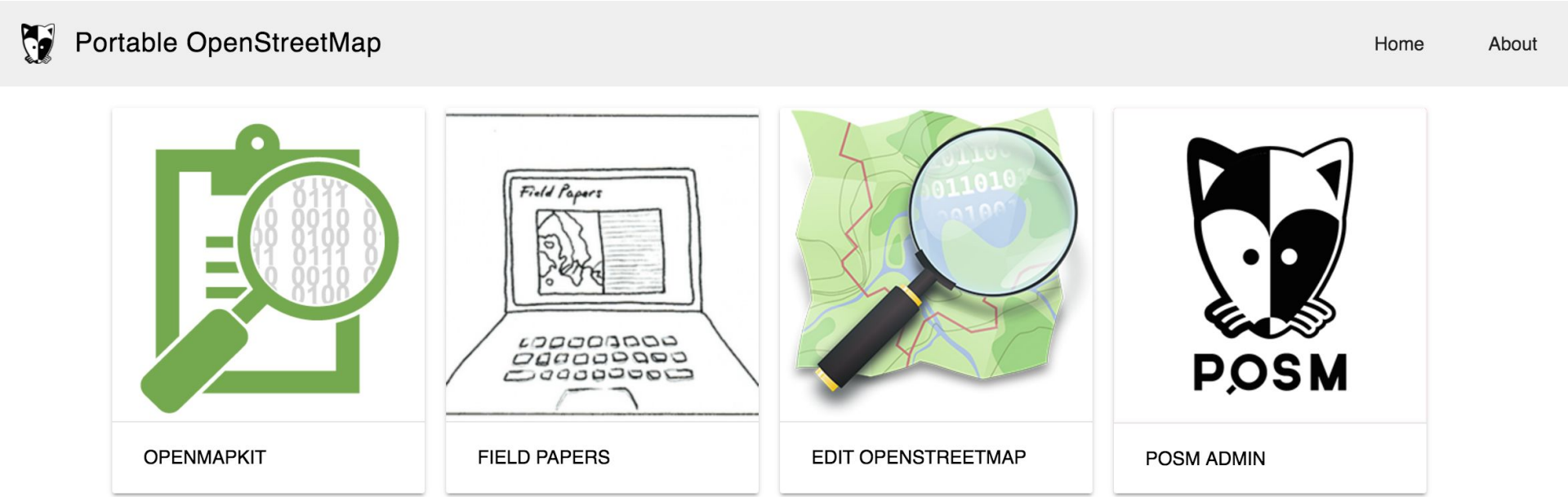
Submit



https://opendatakit.org/use/xlsform/

Portable OSM

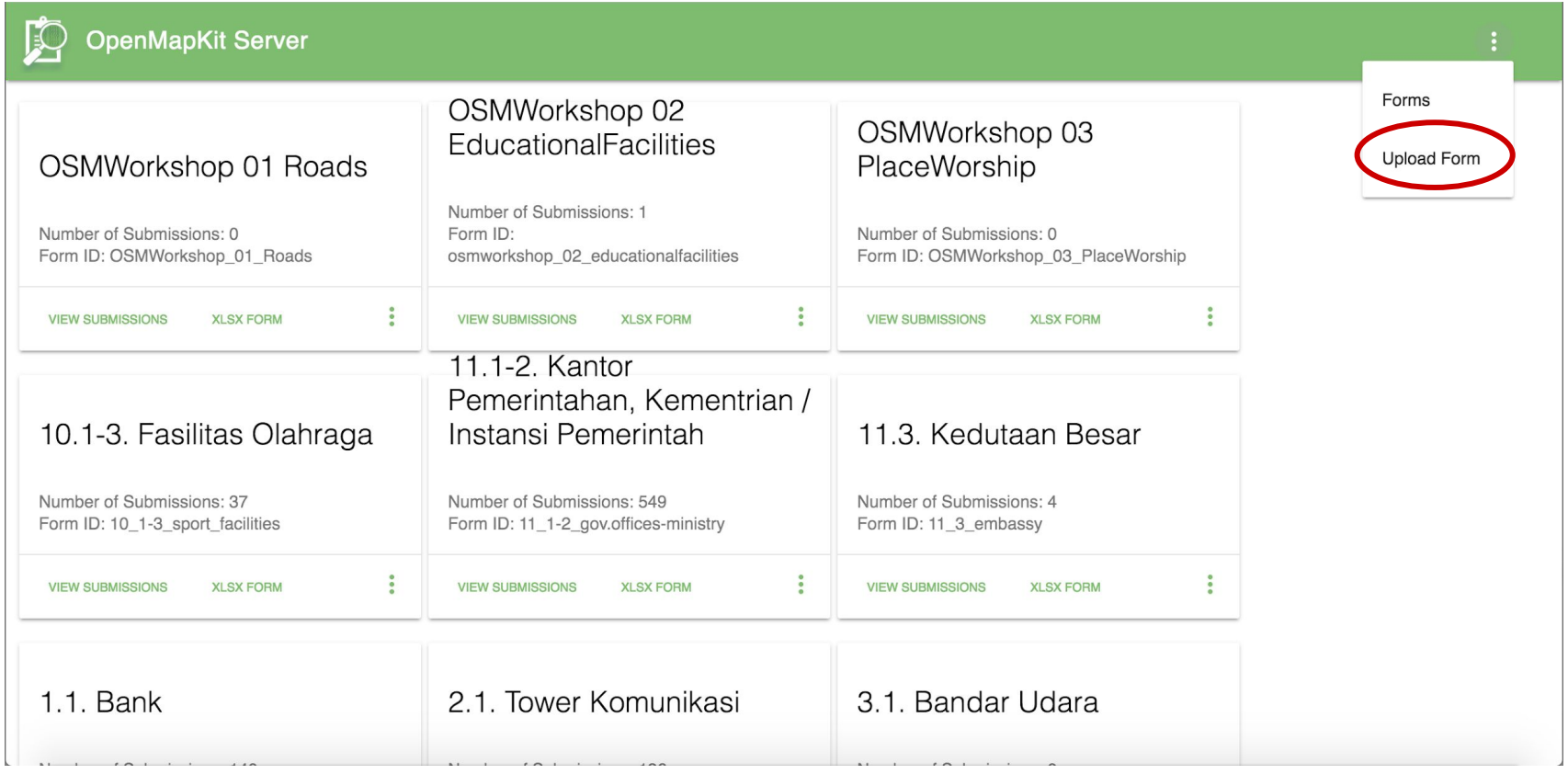
OpenMapKit Server



http://openmapkit.org/docs_walkthrough.html

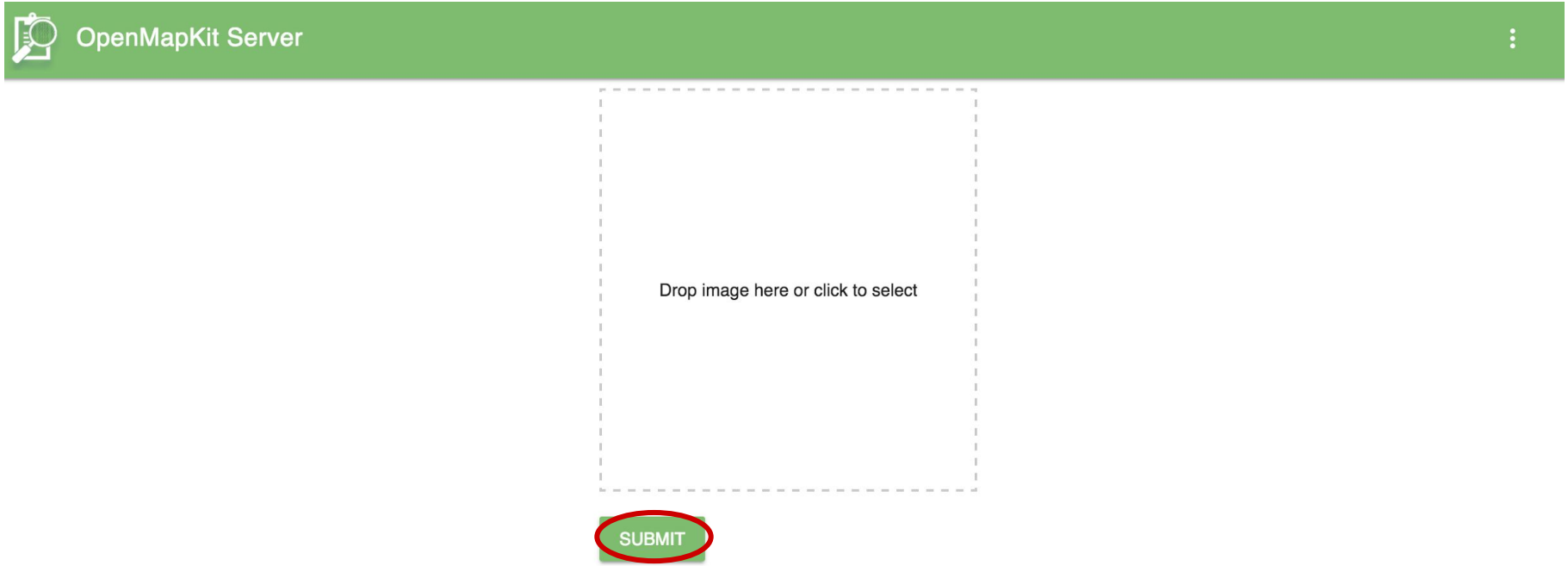
OpenMapKit Server

Add Forms



OpenMapKit Server

Upload Forms



OpenMapKit Server

Installation Walkthrough

OpenMapKit

HOME DOCUMENTATION

Home

Documentation

- Users
  - Installation
  - Creating Surveys for OMK
  - Creating OSM Basemap
  - Additional Resources
- For Developers
  - Architecture
  - Technical Specs
  - Contributing Code
- Tutorials
  - Walkthrough

OMK SERVER PRODUCTION INSTALLATION

For an actual deployment of OpenMapKit Server, it is recommended to use posm-build to install your instance. posm-build is a lightweight shell build system used for POSM servers. OpenMapKit Server is designed to be a part of a POSM server, however, the posm-build allows you to be modular regarding what gets installed, so you can and should use it if you want to install a standalone OpenMapKit Server.

The advantage is that in a few lines, you can have OpenMapKit Server installed and integrated as an Upstart service in Ubuntu Linux. This means that if OpenMapKit Server crashes or is restarted, the API will restart automatically. Also, posm-build only gets the dependencies you need and downloads only the files you need, so the entire repo does not need to be cloned with git.

Instructions for installing OMK Server on your development environment can be found here.

TESTED ON

- Amazon EC2 Ubuntu Server 14.04 LTS
  - Instance Type: t2.nano
  - vCPUs: 1
  - Memory: 500 MB
  - Storage: 8 GB
  - Open Ports: 22, 80, 3210

http://openmapkit.org/docs_walkthrough.html

Install ODK + OMK

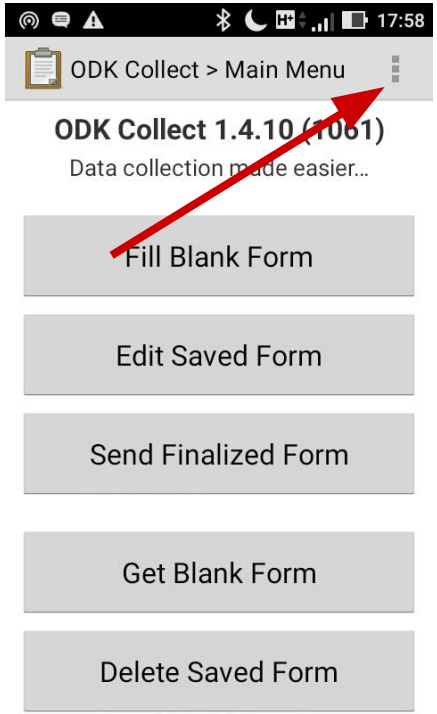
Android Applications

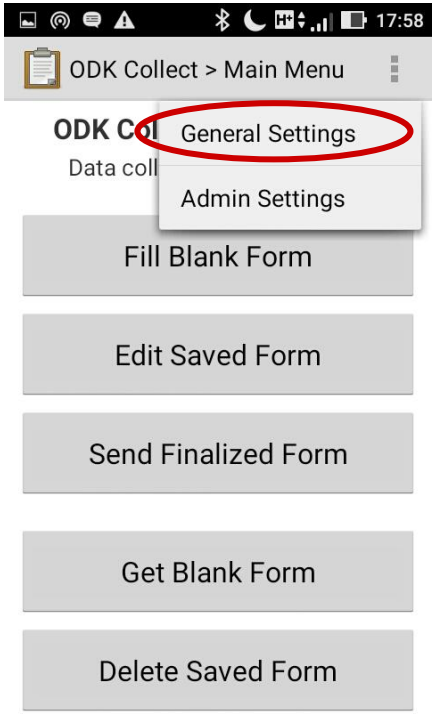
ADDITIONAL INFORMATION

Updated September 19, 2016	**Installs** 500 - 1,000	**Current Version** 1.2
Requires Android 4.1 and up	**Content Rating** Rated for 3+ Learn more	**Permissions** View details
Report Flag as inappropriate	**Offered By** Missing Maps	

OMK

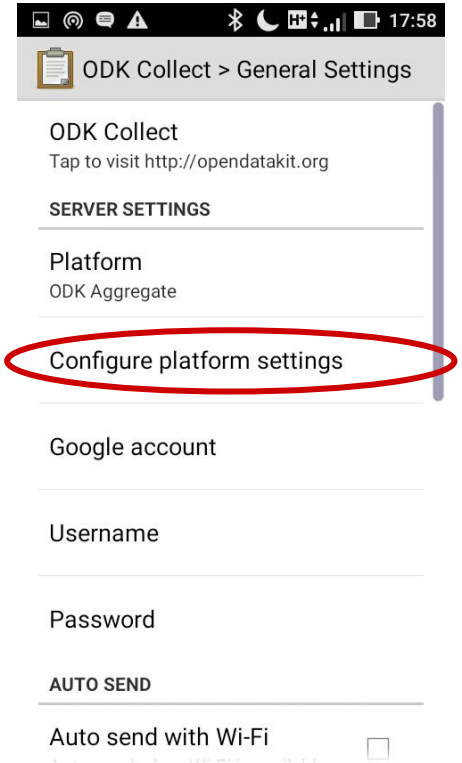
App Configuration

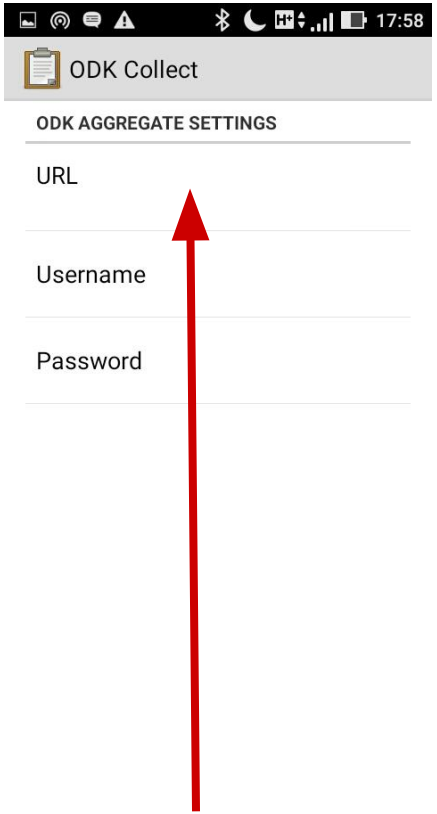


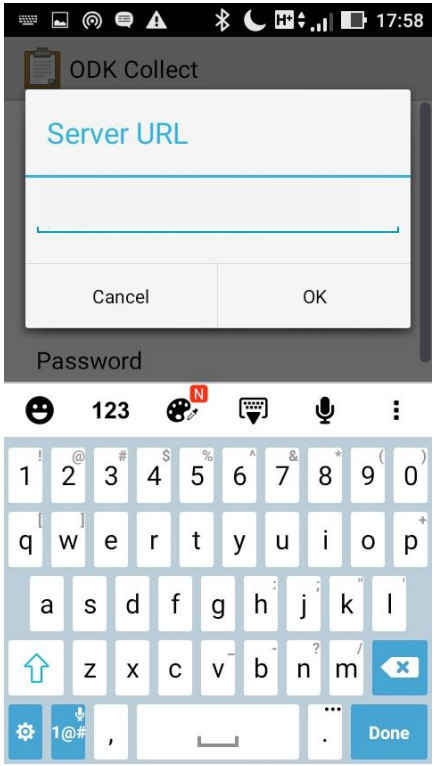


OMK

Configuration



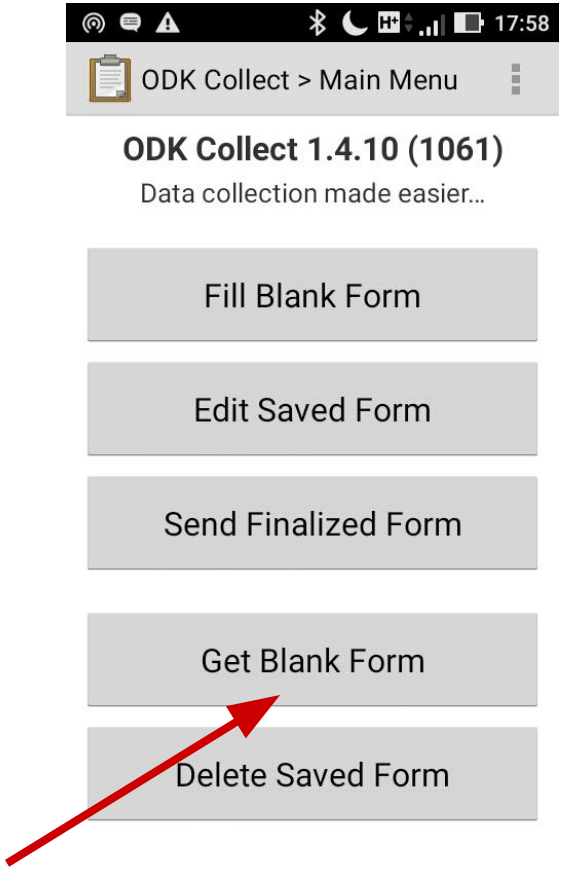


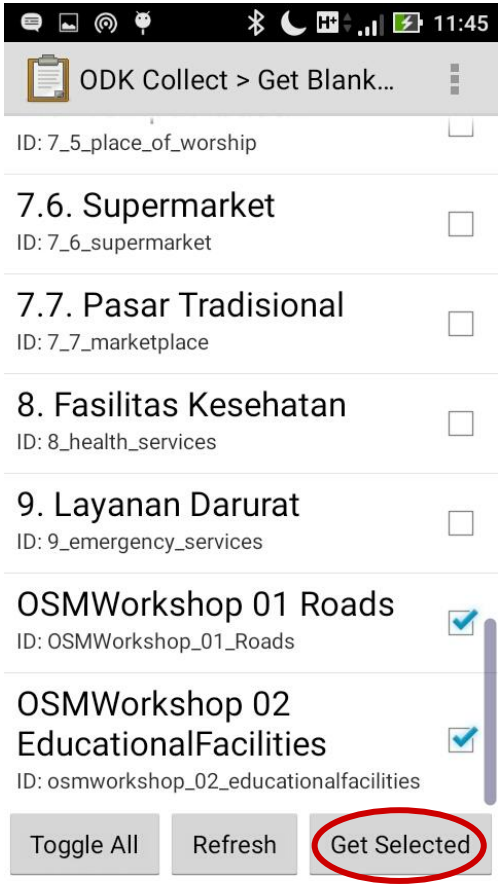


Enter OpenMapKit Server URL

OMK

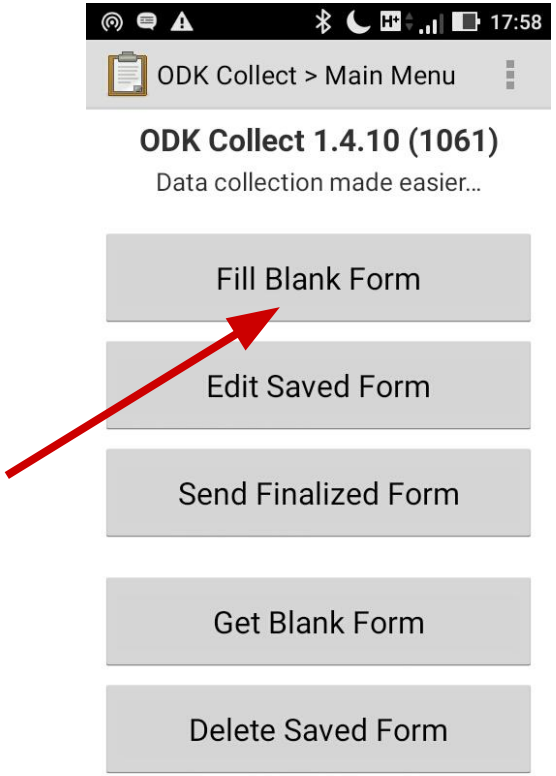
Get Blank Form

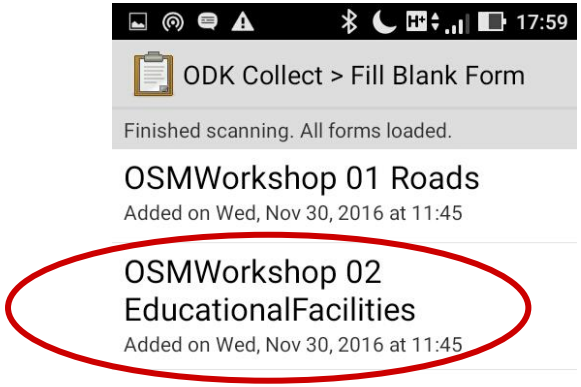




OMK

Fill Blank Form





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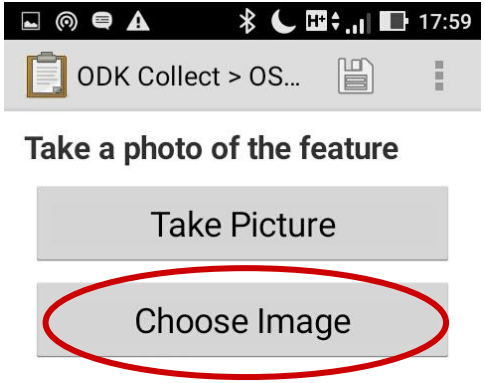

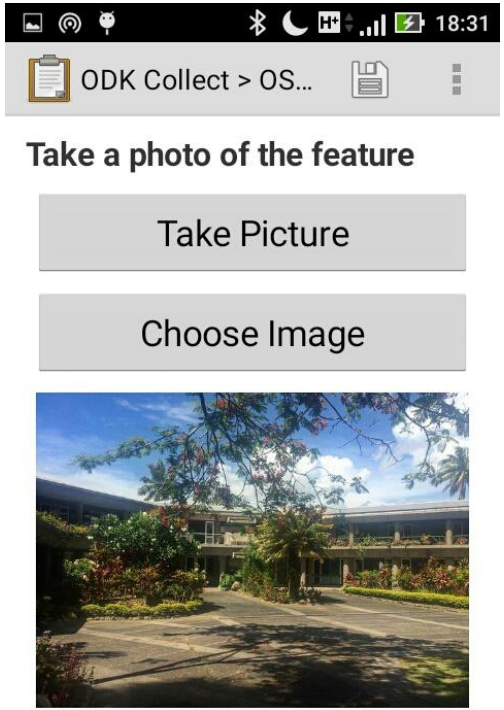

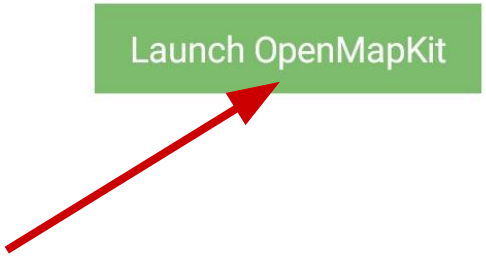

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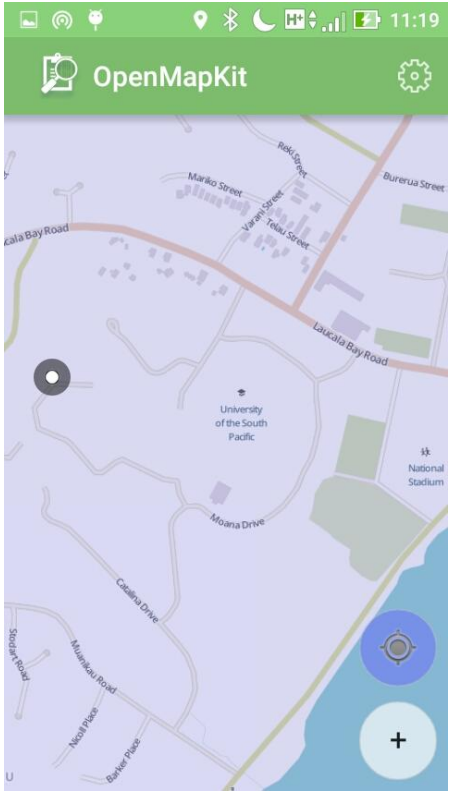
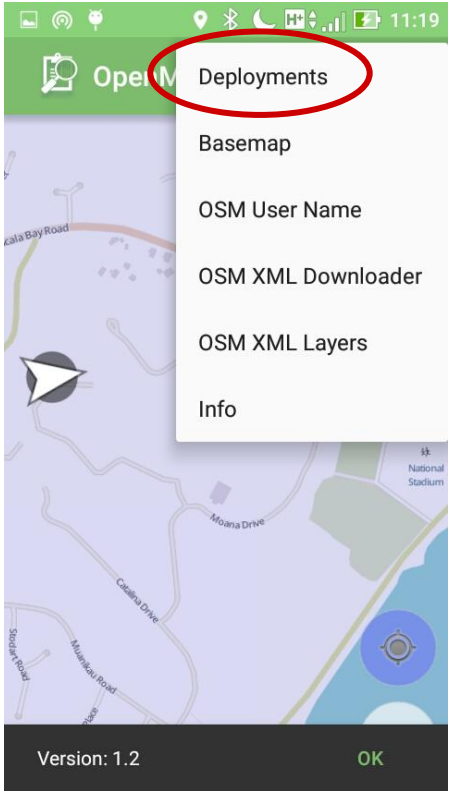
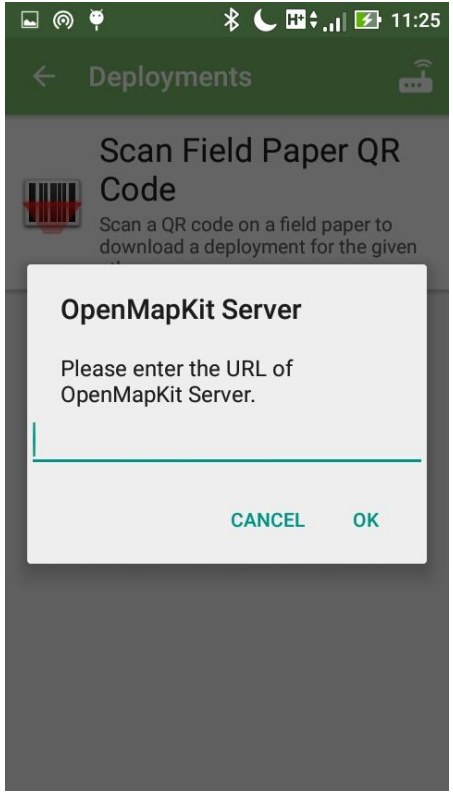
Application Interface







OMK Options

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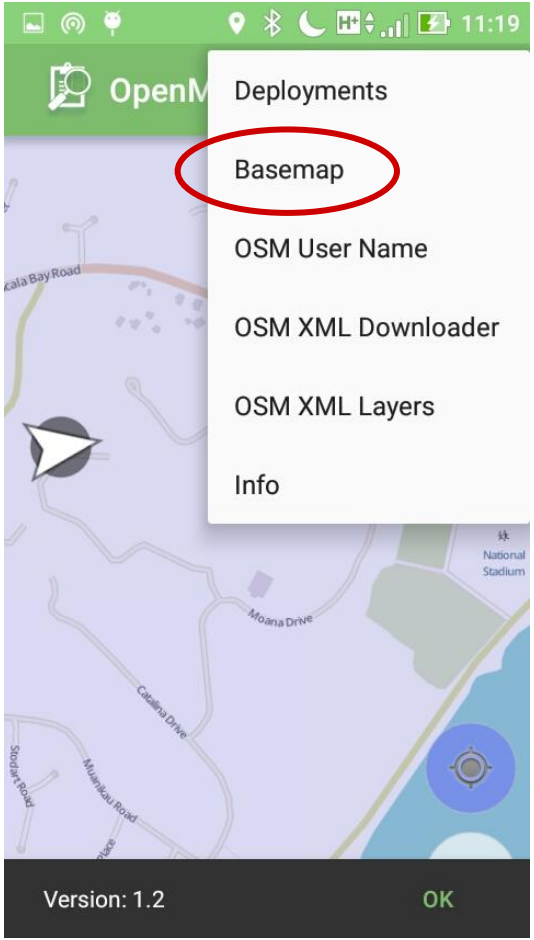
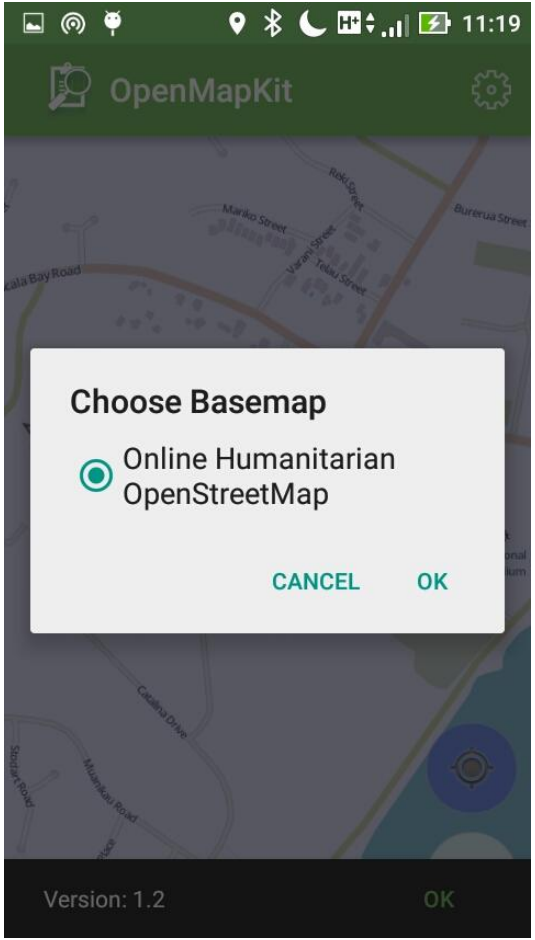
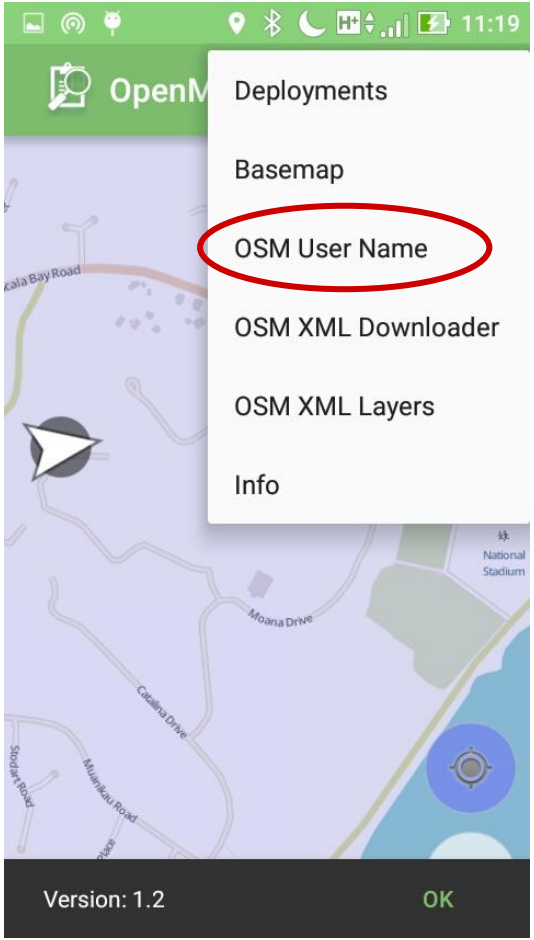
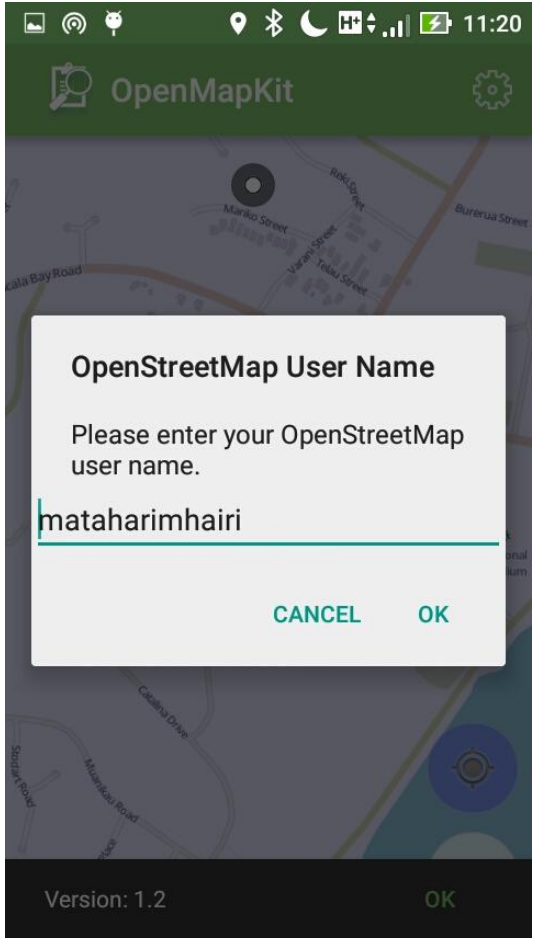




OMK Options

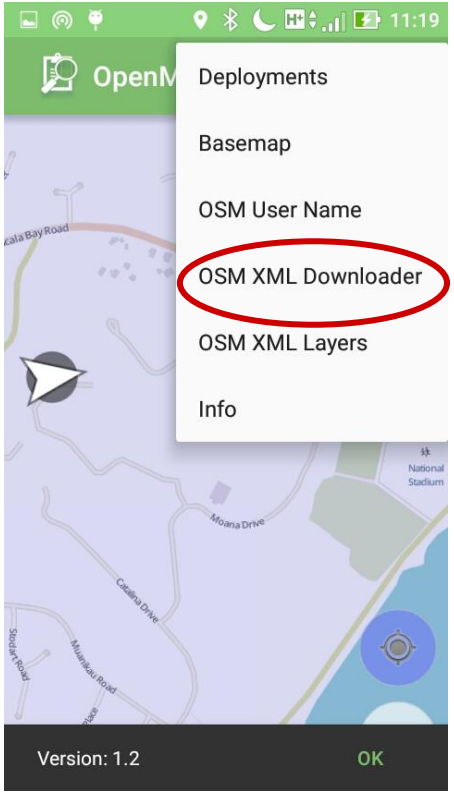
OSM Username

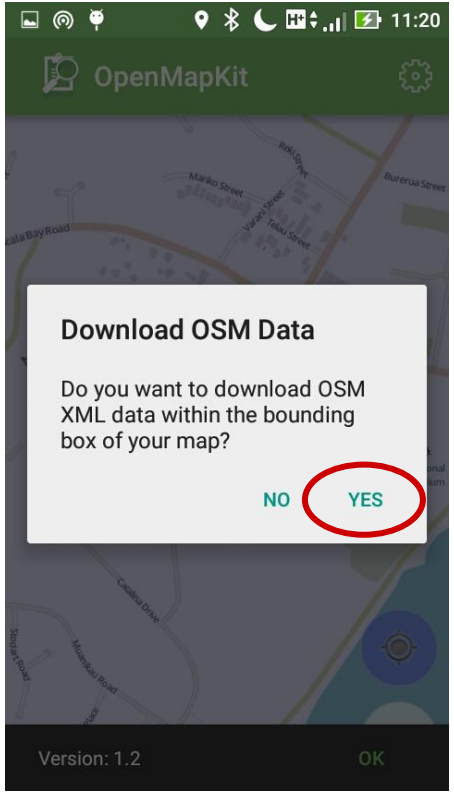


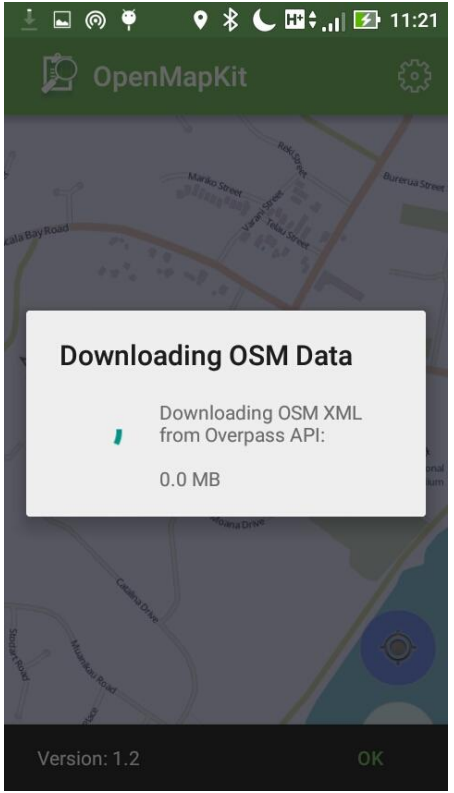


OMK Options

OSM XML Downloader

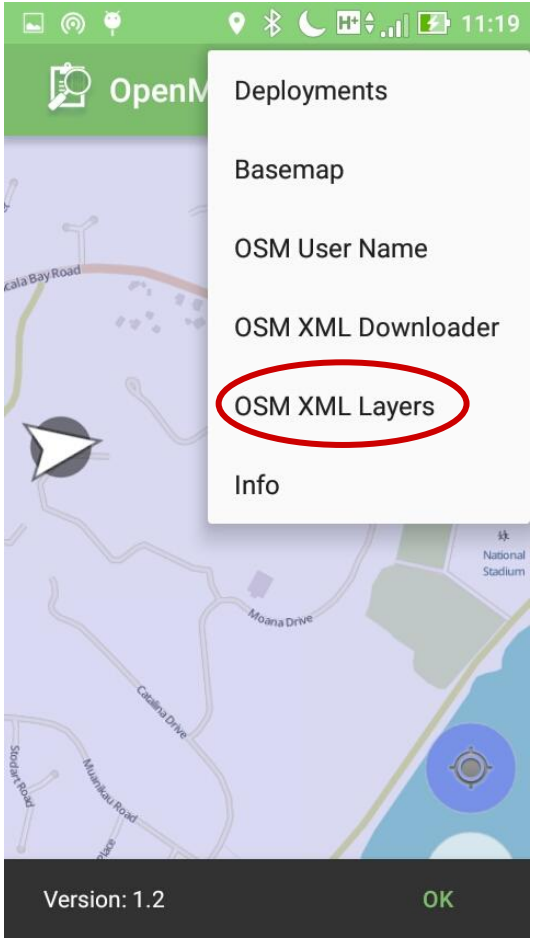


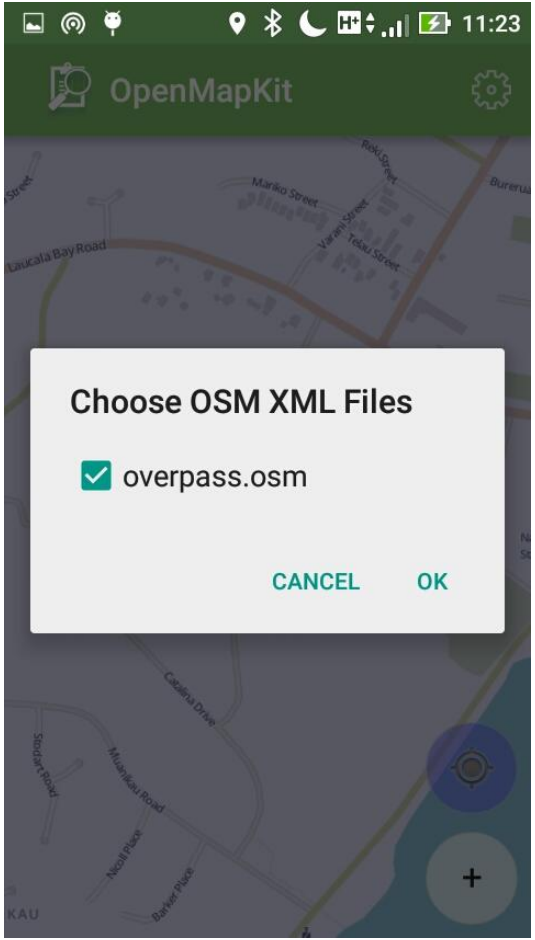




OMK Options

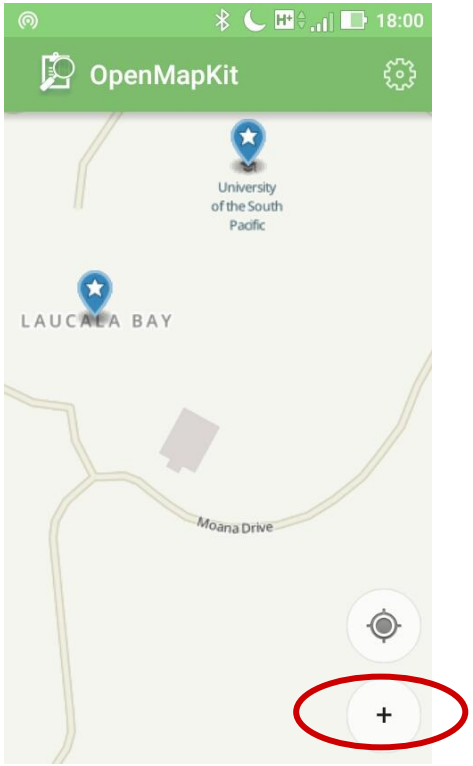
OSM XML Downloader

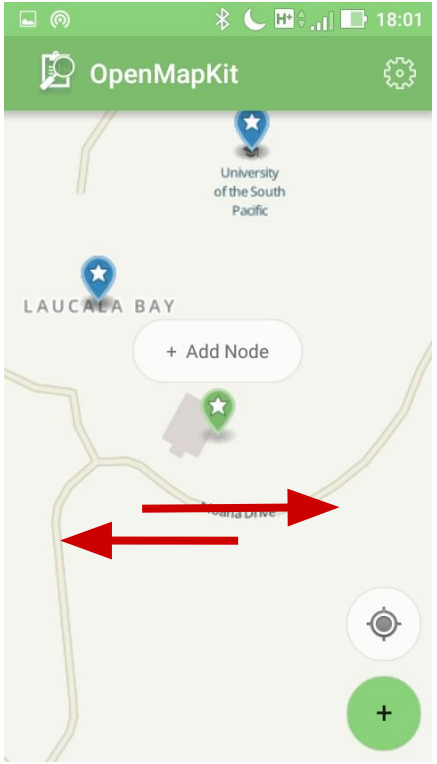


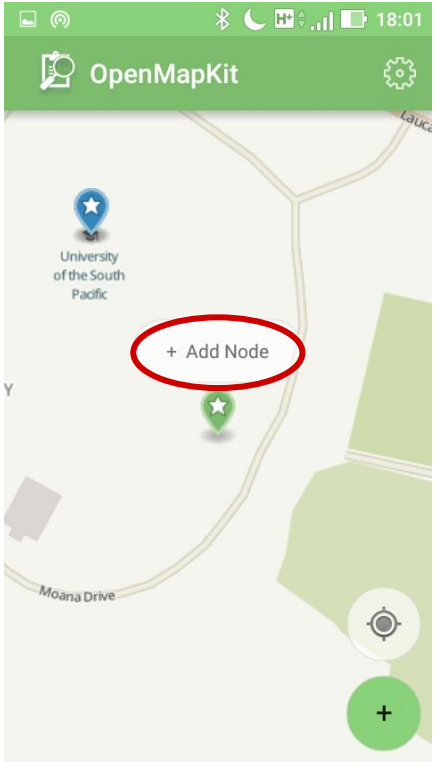


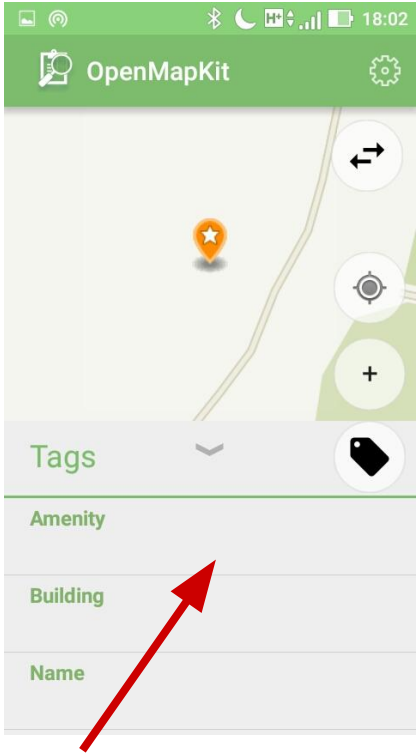
OSM Features

Add Nodes



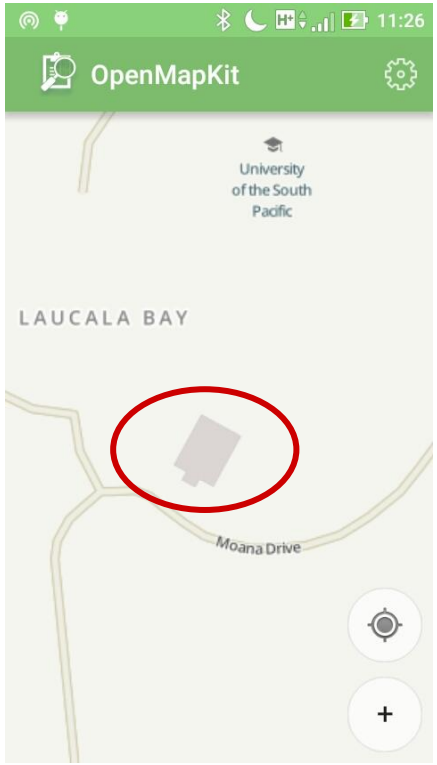


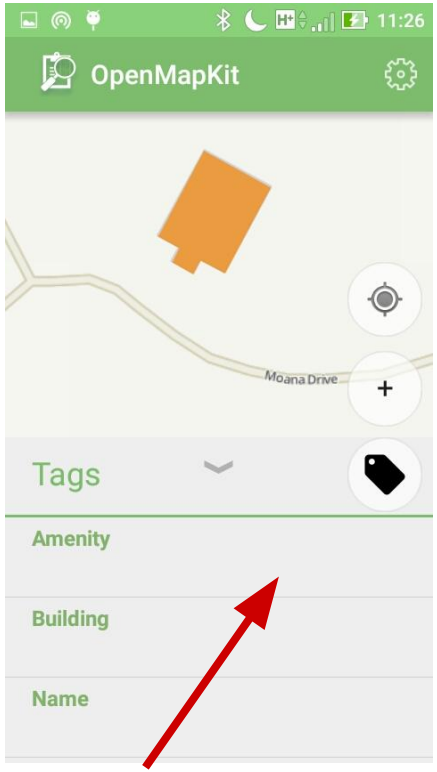




OSM Features

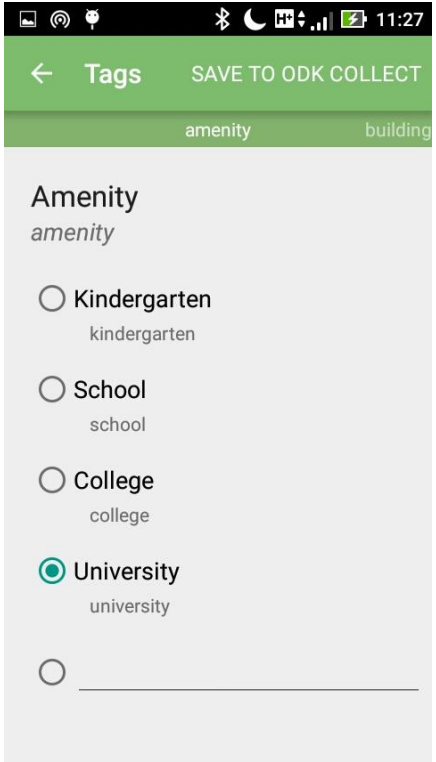
Edit Attributes

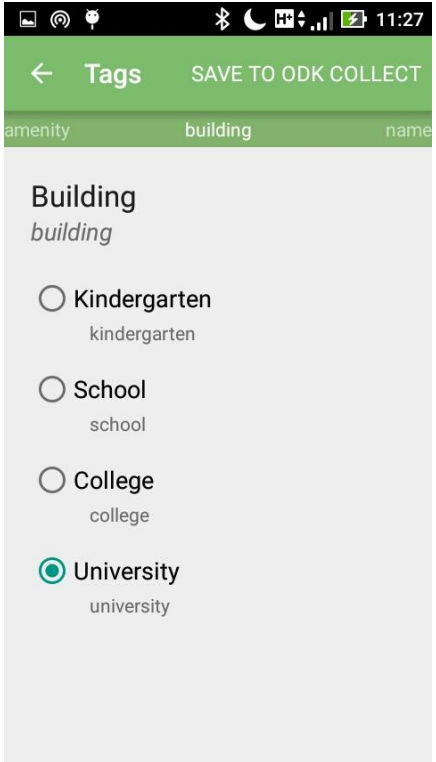


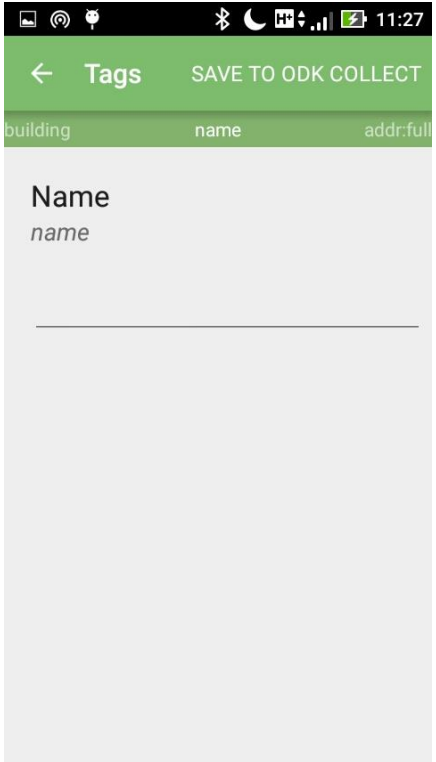


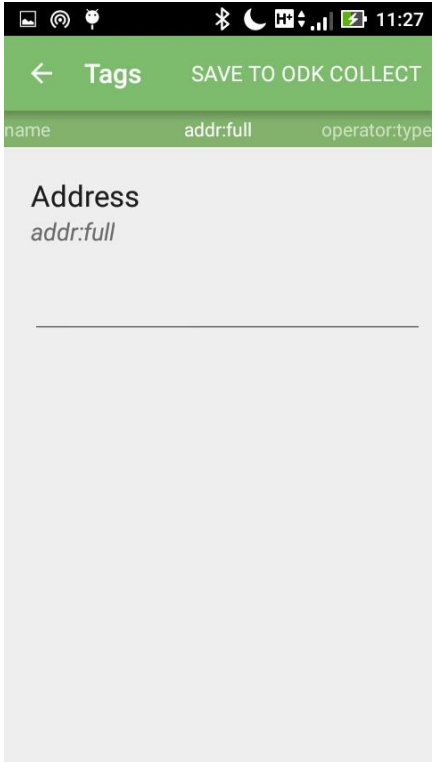
OSM Tags

Key = Value









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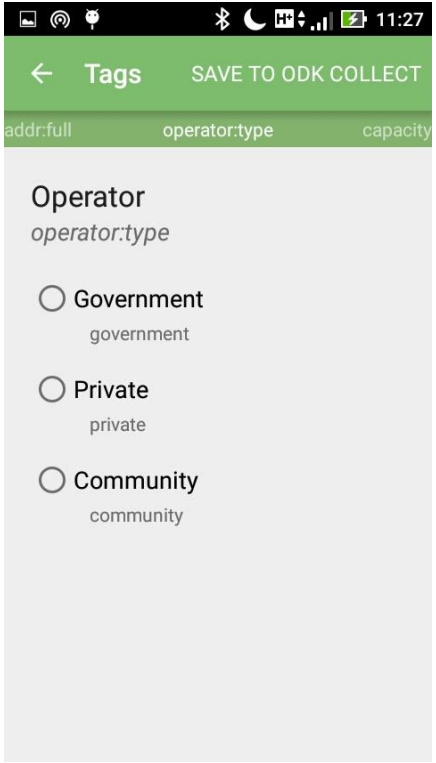

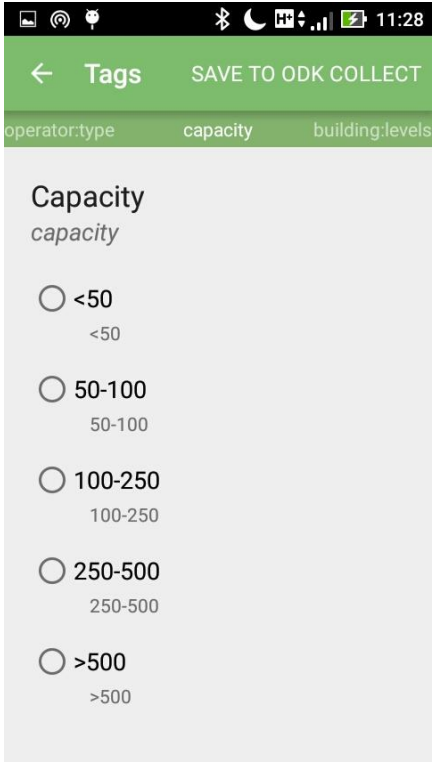

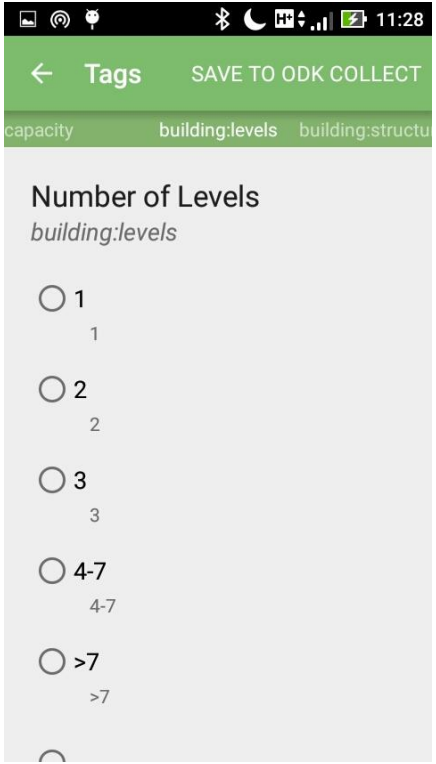

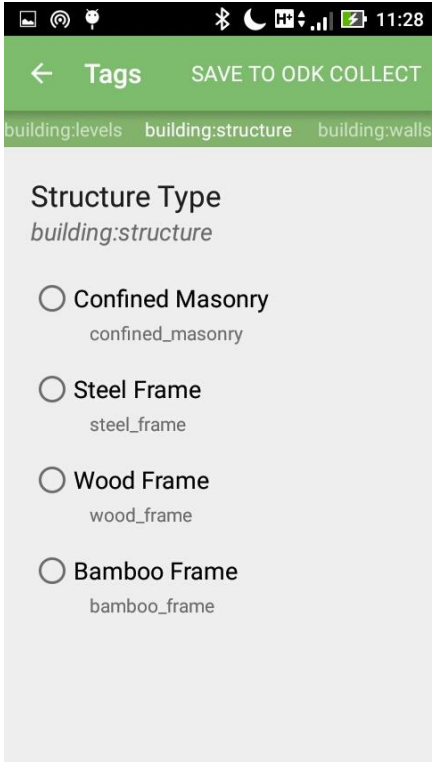

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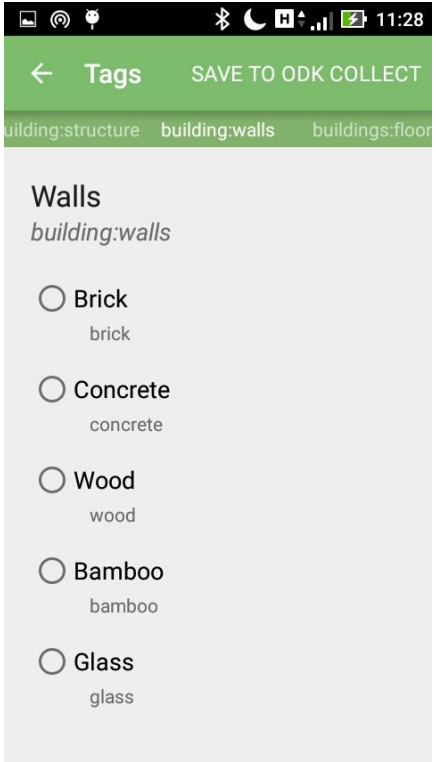

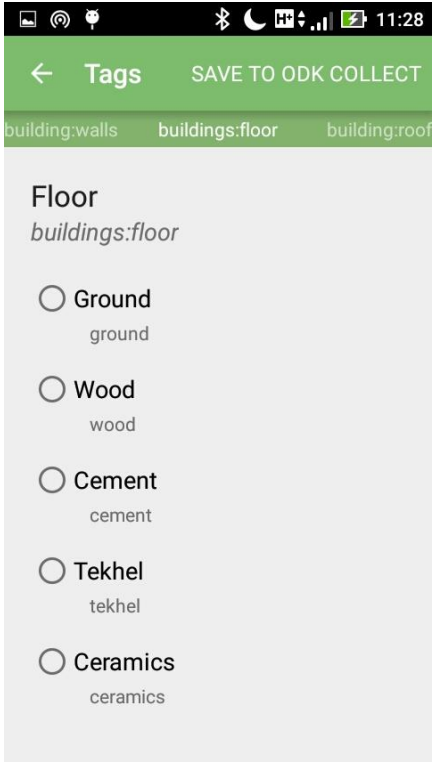

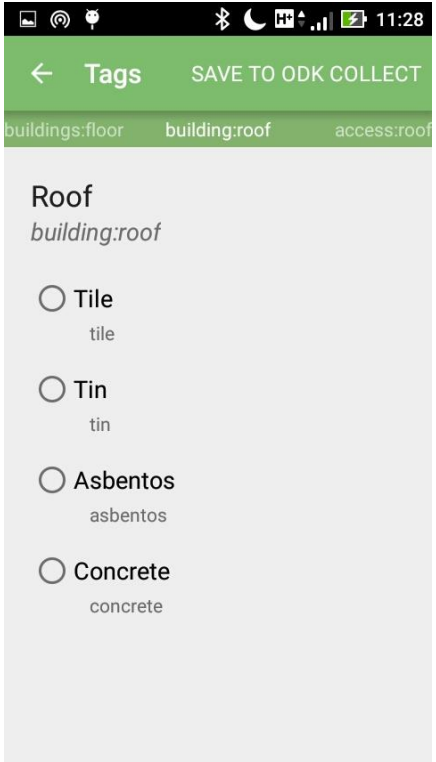

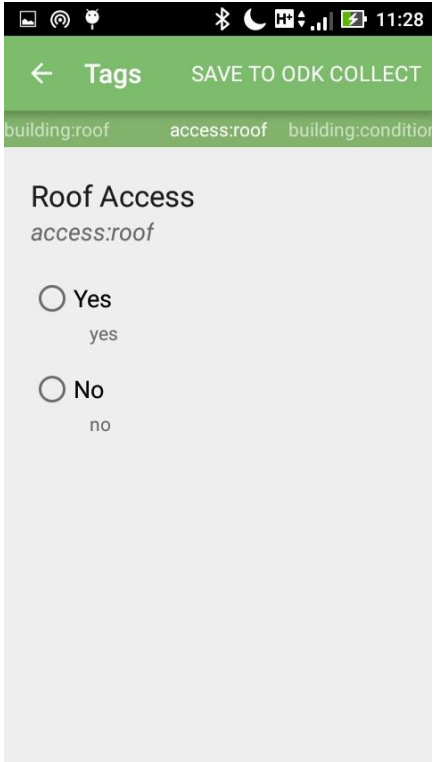

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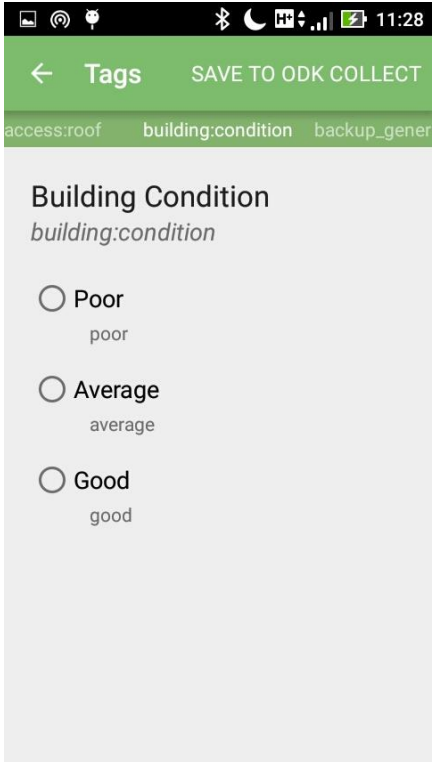
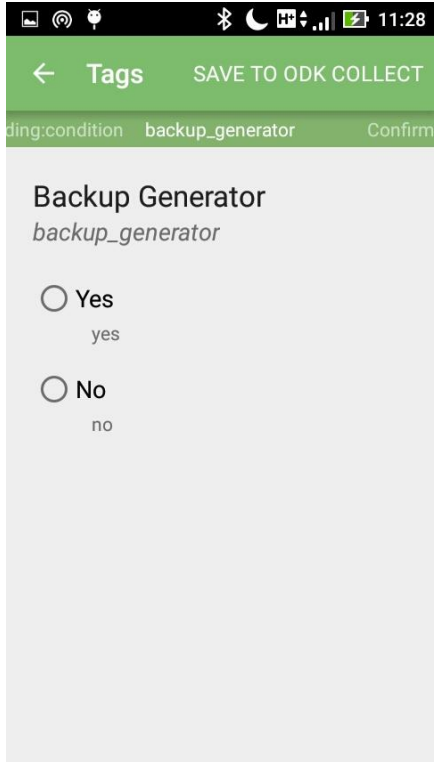
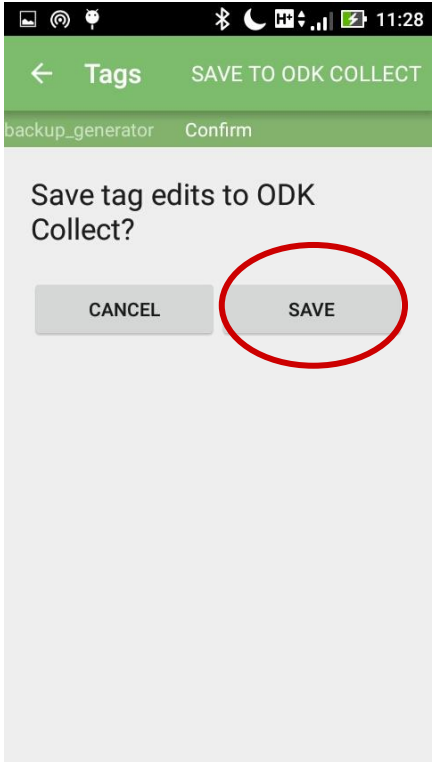
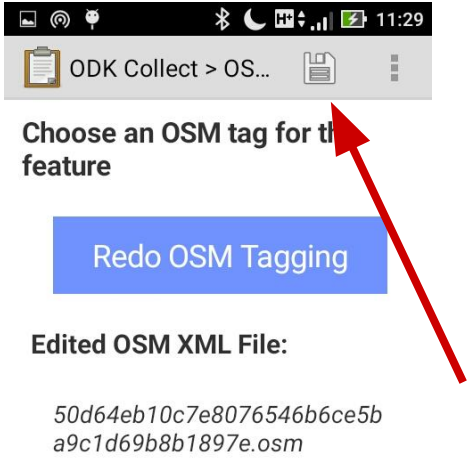


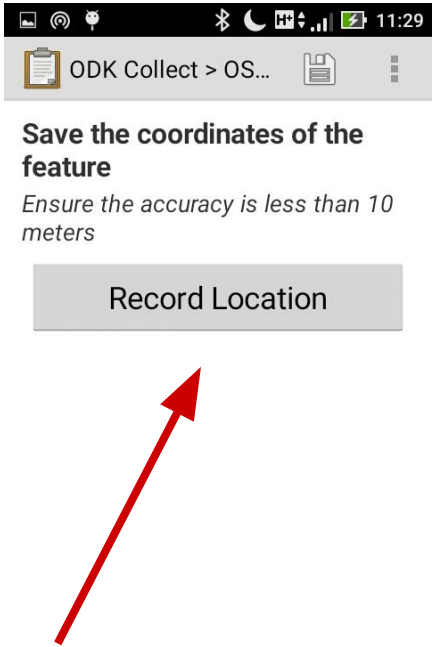


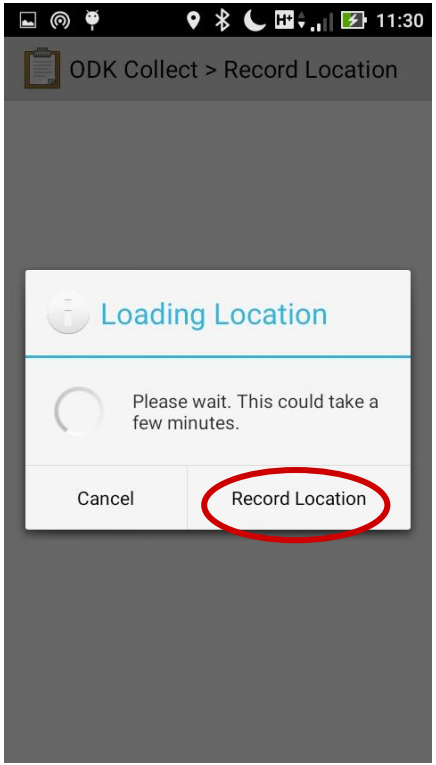


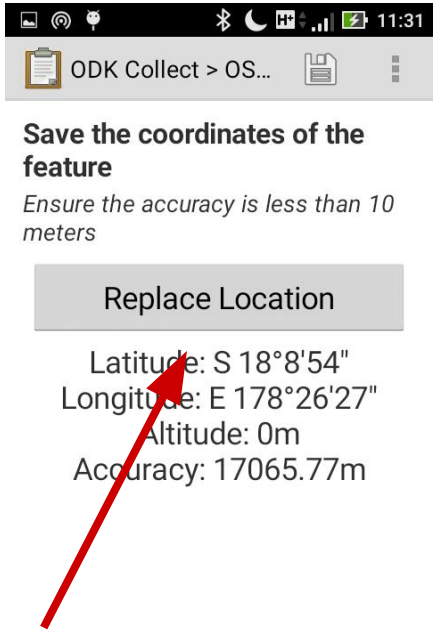


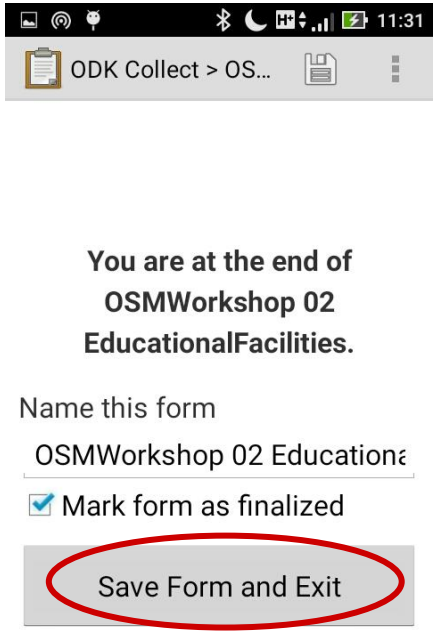
Save Form

Record Coordinates



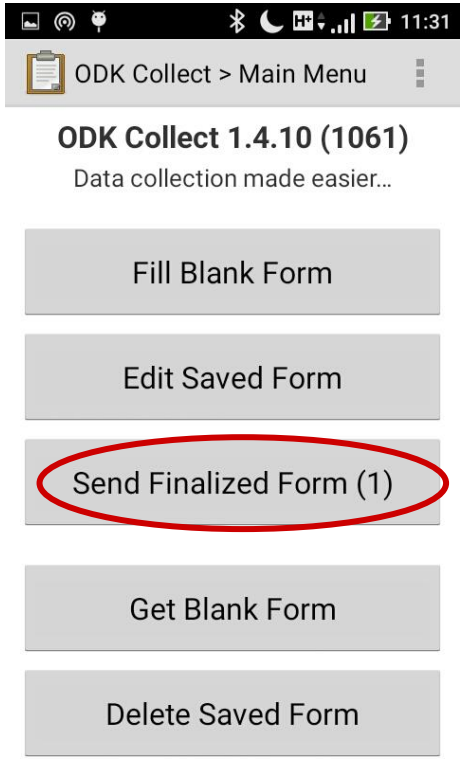


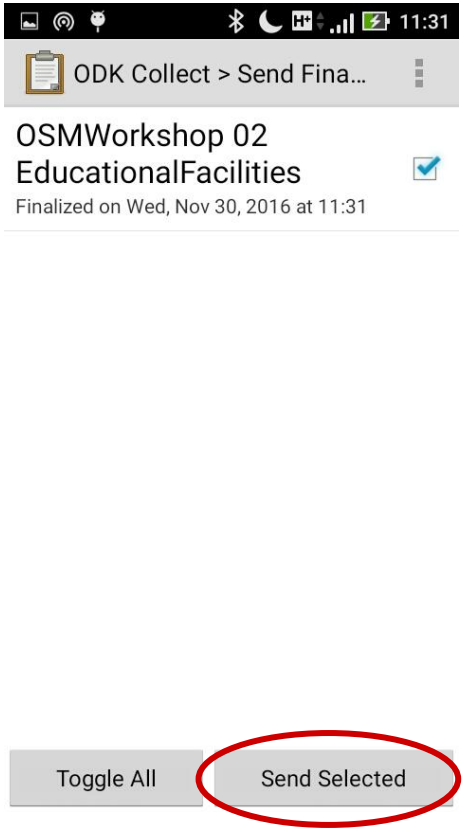


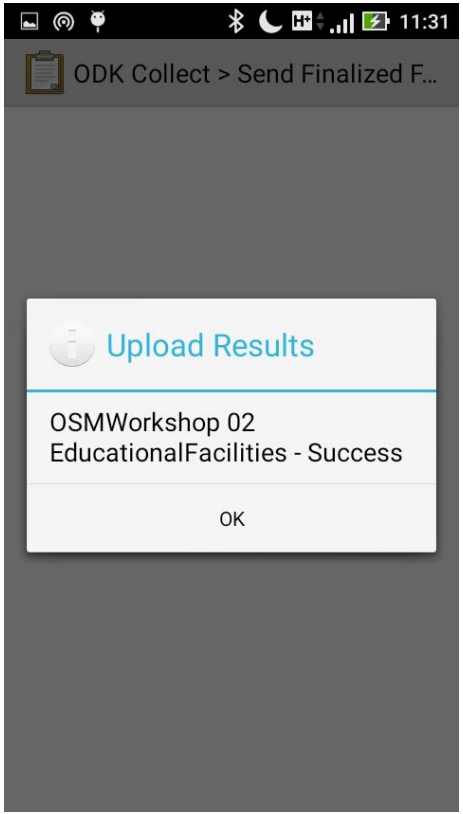


Send Finalised Forms

OMK Server Upload

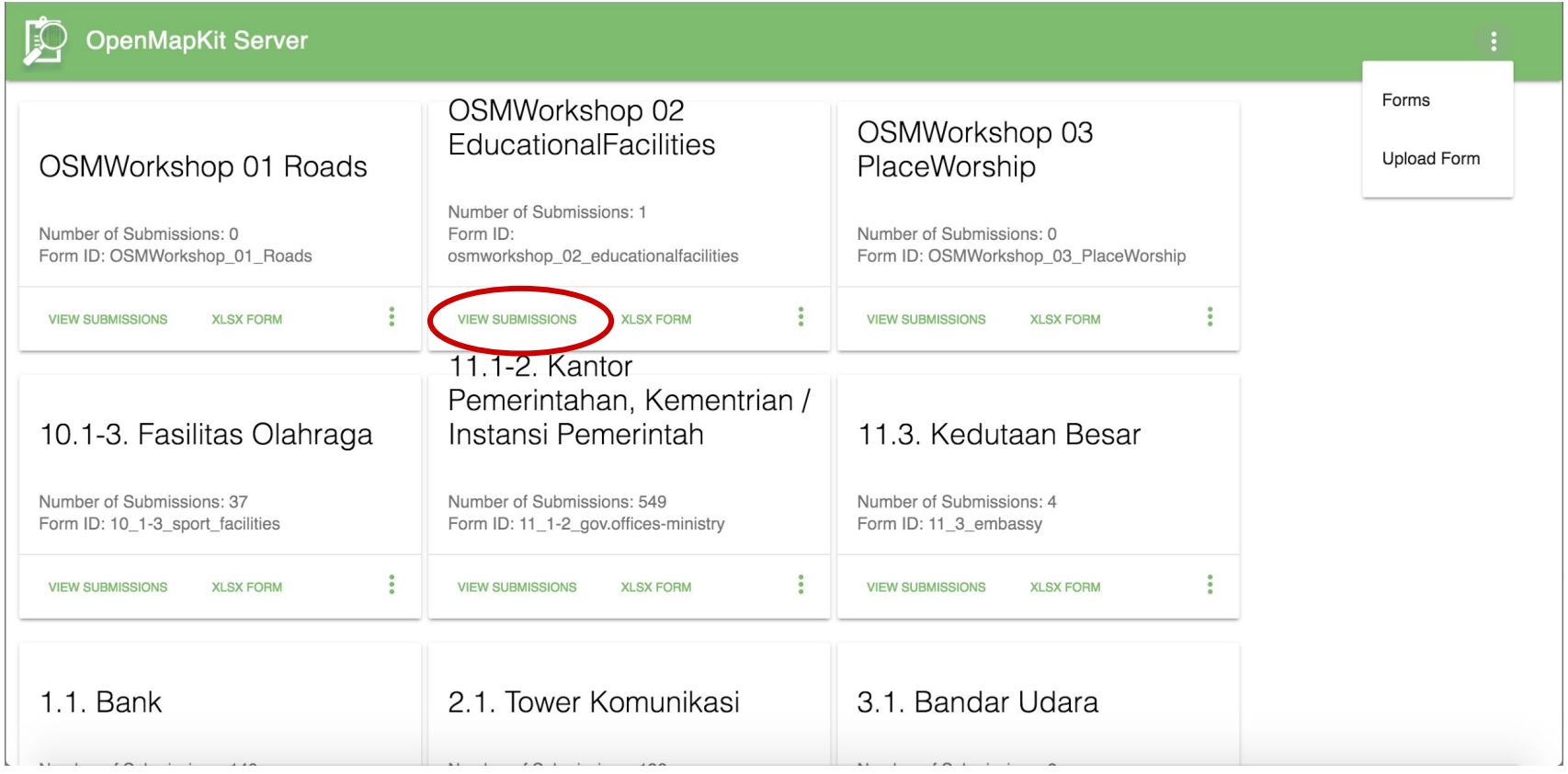






OMK Server

Form Submissions



OMK Server

Collected Data Submitted

OpenMapKit Server

OSMWorkshop 02 EducationalFacilities (1)

ODK DATA OSM DATA SUBMIT TO OSM

Show 10 entries

Search:

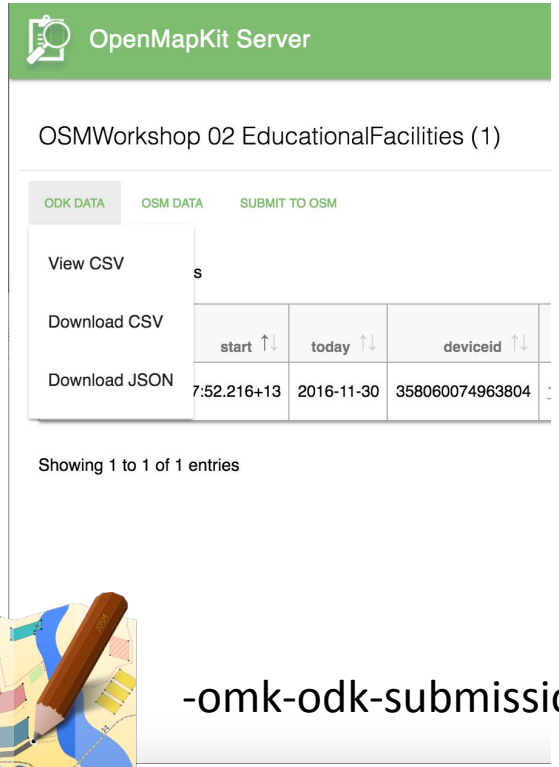
start	today	deviceid	image	osm_building	gps/latitude	gps/longitude	gps/altitu
2016-11-30T11:17:52.216+13	2016-11-30	358060074963804	1480457885959.jpg	50d64eb10c7e8076546b6ce5ba9c1d69b8b1897e.osm	-18.148450814187527	178.44097514636812	

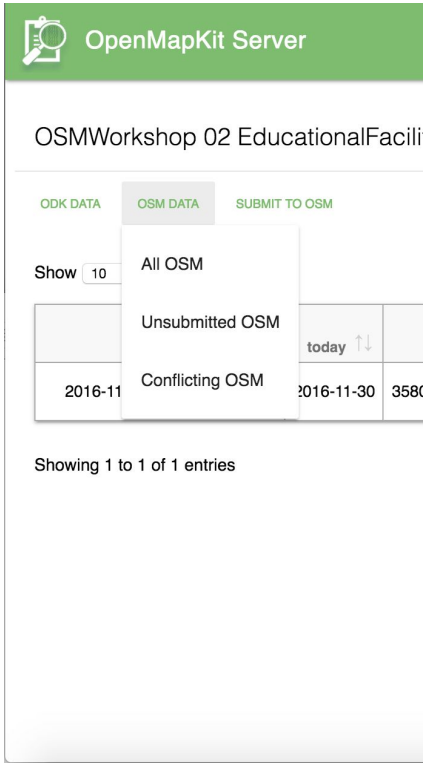
Showing 1 to 1 of 1 entries

PREVIOUS 1 NEXT

OMK Server

ODK + OSM Data Management





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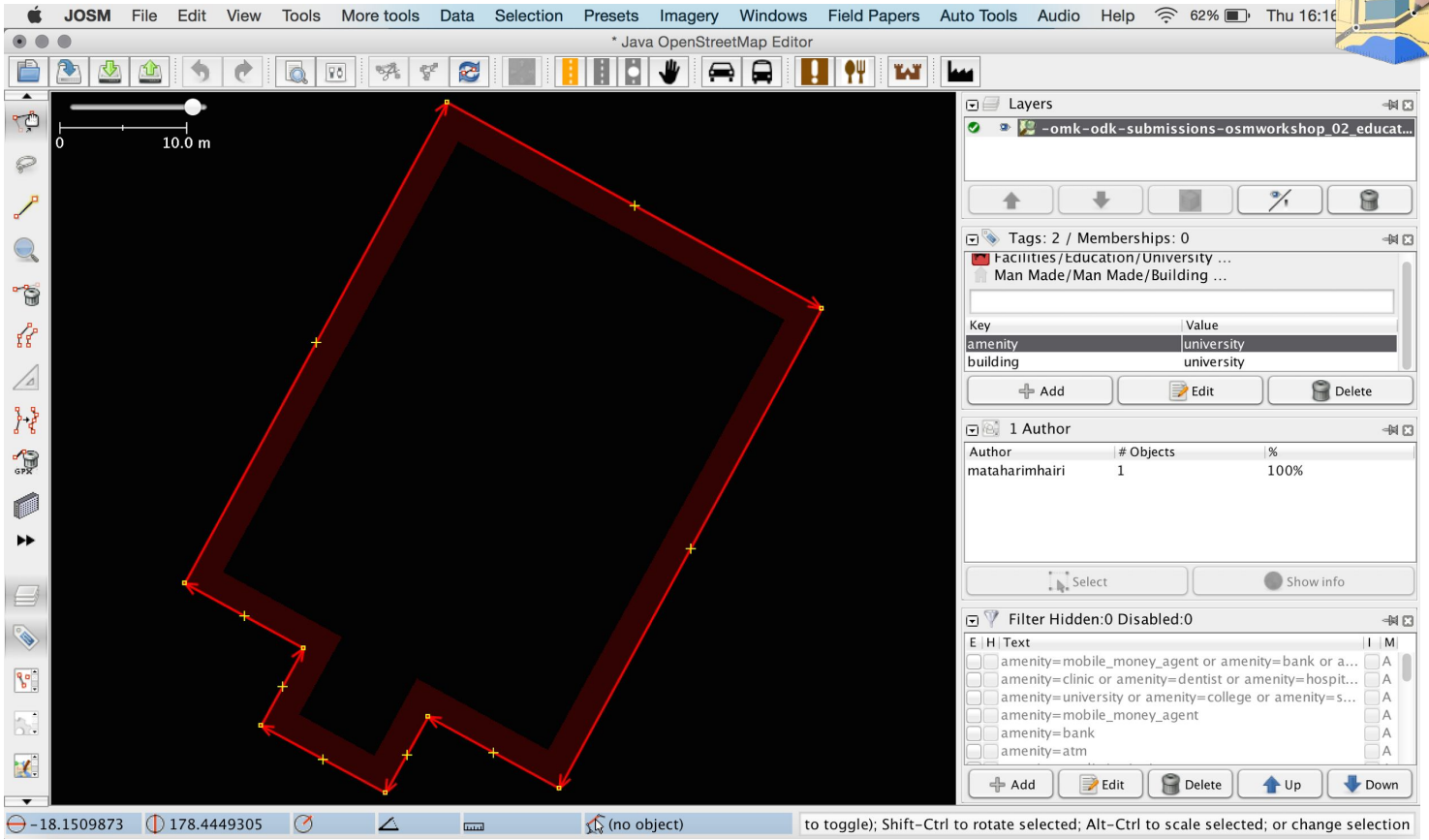
JOSM

Validate Data



JOSM
Validator

Mapbox

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BLOG

Check your OpenStreetMap edits with the JOSM Validator

By Srividya Bharadwaj on March 17 2016 | DATA & OPENSTREETMAP

OpenStreetMap JOSM mapping OpenStreetMap 101

OpenStreetMap's power editor JOSM comes with a built-in Validator that helps you ensure your changes are bug free before you upload them to the map. The Validator runs automatically before each upload, but you can also run it at any time during the editing process. It's a great tool to make sure your edits are rock solid — here's a walkthrough of how to use it.

Running the Validator

https://www.mapbox.com/blog/josm-validation/

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OSM Export Tool

Create Exports Presets Help About Login

Fresh Humanitarian Maps

Download up-to-date humanitarian maps for GIS analysis or for use in GPS devices and Smartphones.

This platform allows you to create custom OpenStreetMap (OSM) exports for various HOT regions. You can specify an area of interest and a list of OSM feature tags for the export. There are a number of file formats available for exporting the data in, which includes Esri SHP, Garmin IMG, Google KMZ, OSM PBF and SQlite SQL. The OSM data available from the Export Tool is updated at one minute intervals.

How to Get Started

You can view and search through existing HOT exports at our Exports page. It is not required to have an account to view or search existing exports, however if you would like to create a new export

Login to OpenStreetMap

If you don't have an OpenStreetMap account you can register for one here.

Login to OpenStreetMap

http://export.hotosm.org/

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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Describe Export | File Formats | Tree Tag | Preset File | Export Details

Name

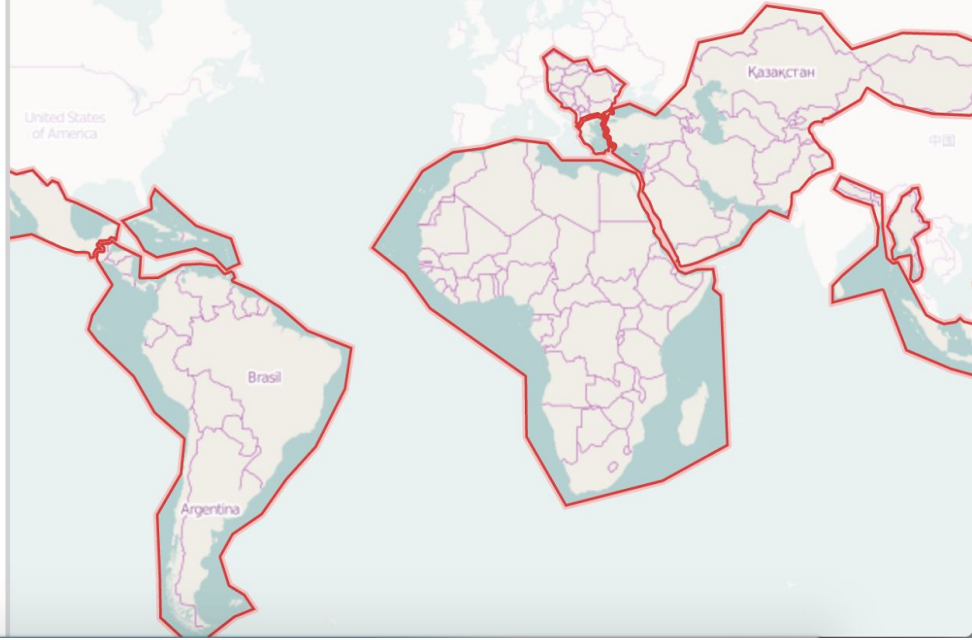
Description

Project

Coordinates

Select Export Area | Zoom To Selection | Reset Map

Search for a place or enter xmin,ymin,xmax,ymax



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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Describe Export | File Formats | Tree Tag | Preset File | Export Details

Name

Mbale

Description

Detailed Town Mapping Plan

Project

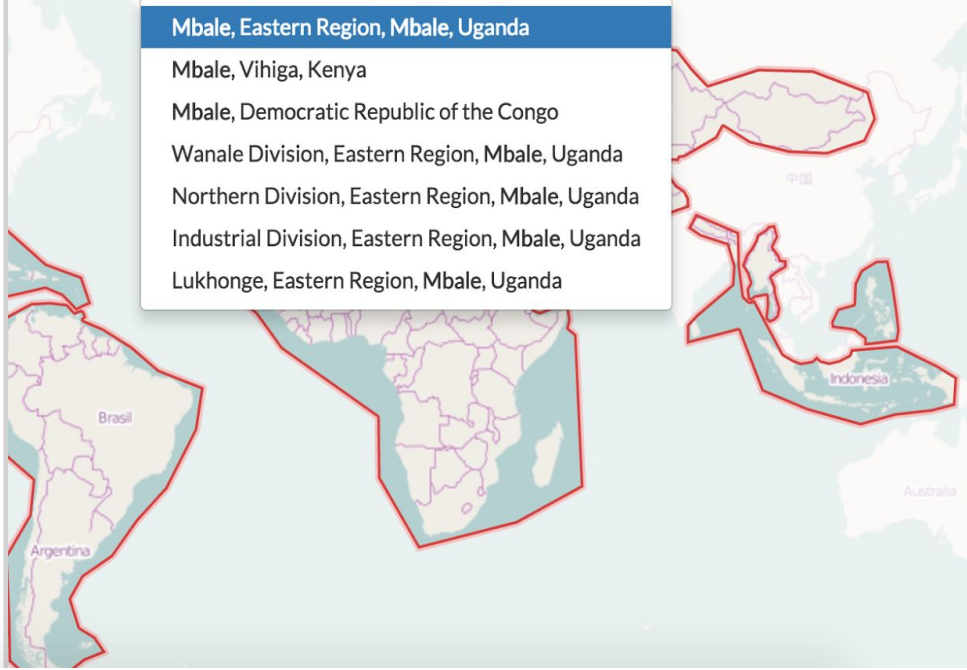
#MapUganda

Coordinates

Select Export Area | Zoom To Selection | Reset Map

Mbale

- Mbale, Eastern Region, Mbale, Uganda
- Mbale, Vihiga, Kenya
- Mbale, Democratic Republic of the Congo
- Wanale Division, Eastern Region, Mbale, Uganda
- Northern Division, Eastern Region, Mbale, Uganda
- Industrial Division, Eastern Region, Mbale, Uganda
- Lukhonge, Eastern Region, Mbale, Uganda



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OSM Export Tool

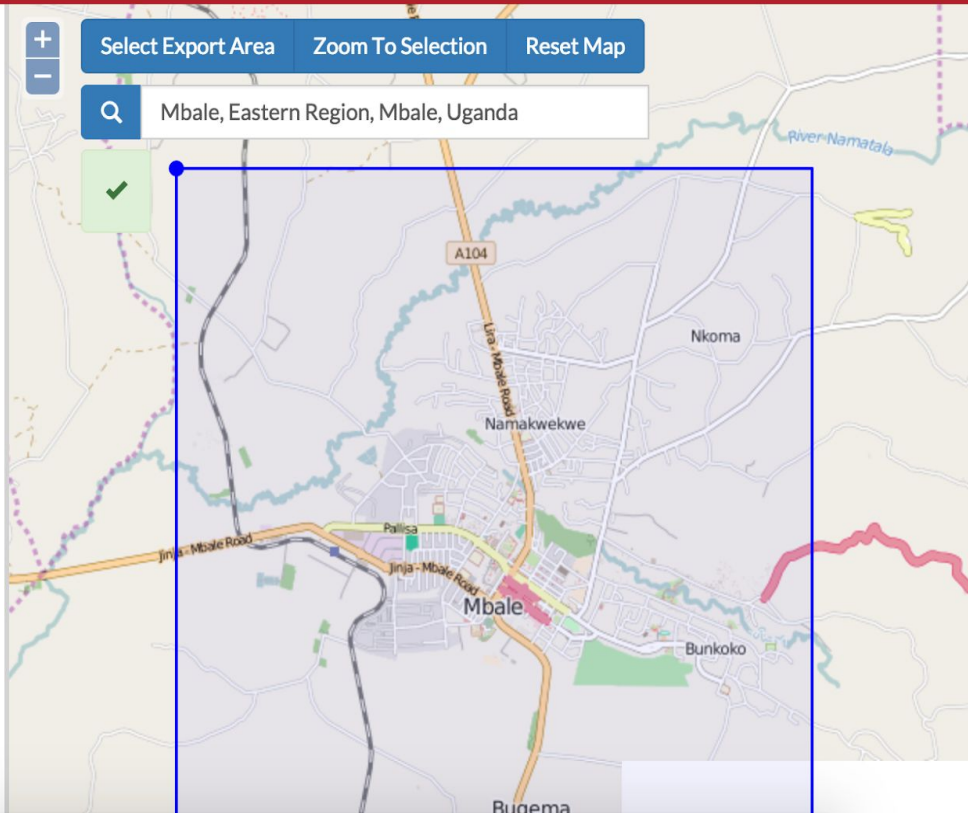
Create Exports Presets Help About mataharimhairi

Describe Export | File Formats | Tree Tag | Preset File | Export Details

Select Export Formats:

More than one export format can be selected. Please note that there are two Esri Shapefile options, as the Thematic Schema provides the data in a set of themed geometry tables (points, lines and polygons), whereas the OSM Schema provides all attributes in layers grouped by geometry type

- [x] Esri SHP (OSM Schema)
- [x] Esri SHP (Thematic Schema)
- [ ] Garmin Map
- [ ] Google Earth KMZ
- [ ] OSMAnd OBF
- [ ] SQlite SQL



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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Describe Export | File Formats | Tree Tag | Preset File | Export Details

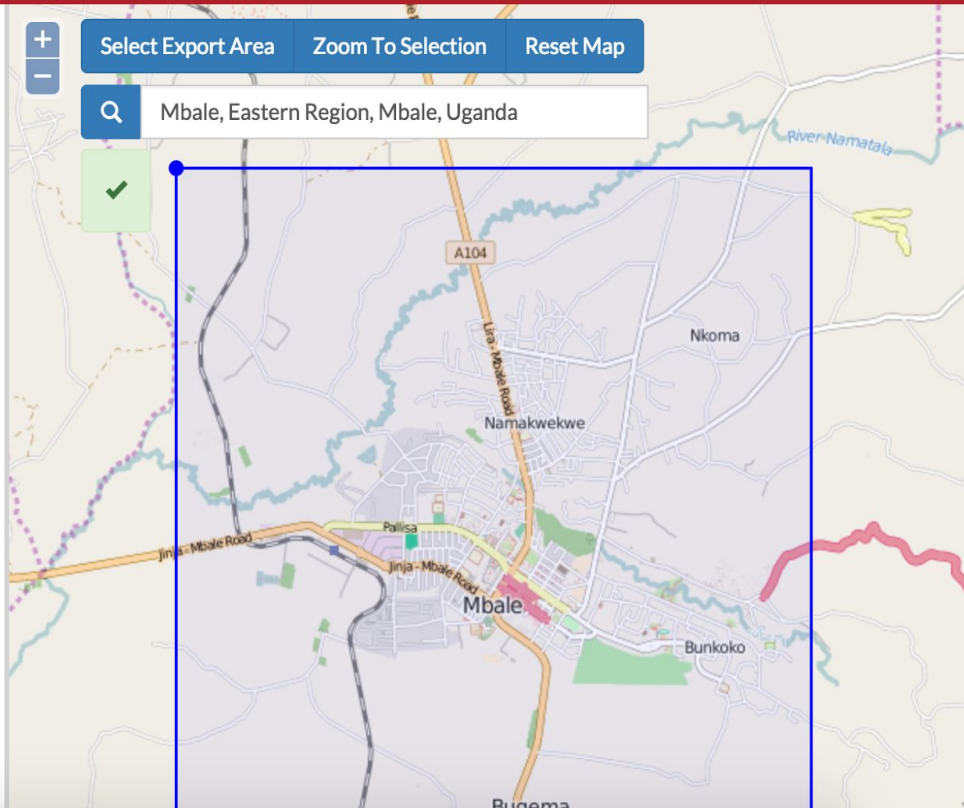
Select from either the HDM or OSM data models.

Features can only be selected from one tree, either from the HDM or the OSM data model. Feature tags can not be mixed between the two. Deselect the HDM Tree to enable the OSM Tree.

- ⊟ Humanitarian Data Model ☑
  - ⊞ Buildings ☐
  - ⊟ Transportation ☑
    - ⊞ Barriers ☐
    - ⊞ Transportation means ☐
    - ⊞ Other road objects ☐
    - ☐ Obstacles ☐
    - ⊟ Roads ☑
      - ☐ Unclassified ☑
      - ☐ Service roads ☑
      - ☐ Roads under construction ☑
      - ☐ Secondary Link ☑
- ⊟ OSM Data Model ☐
  - ⊞ Water ☐
  - ⊞ Relations ☐
  - ⊞ Sports ☐
  - ⊞ Highways ☐
  - ⊞ Facilities ☐
  - ⊞ Shops ☐
  - ⊞ Man Made ☐
  - ⊞ Annotation ☐
  - ⊞ Transport ☐
  - ⊞ Geography ☐

Select Export Area | Zoom To Selection | Reset Map

Mbale, Eastern Region, Mbale, Uganda



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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Describe Export File Formats Tree Tag Preset File Export Details

Upload a preset file

Use this form to either upload a JOSM Preset configuration file, or to select a previously published preset configuration. Only one preset file can be selected at a time. Any selections of features you have made from the HDM Data Model or the OSM Data Model will be cleared.

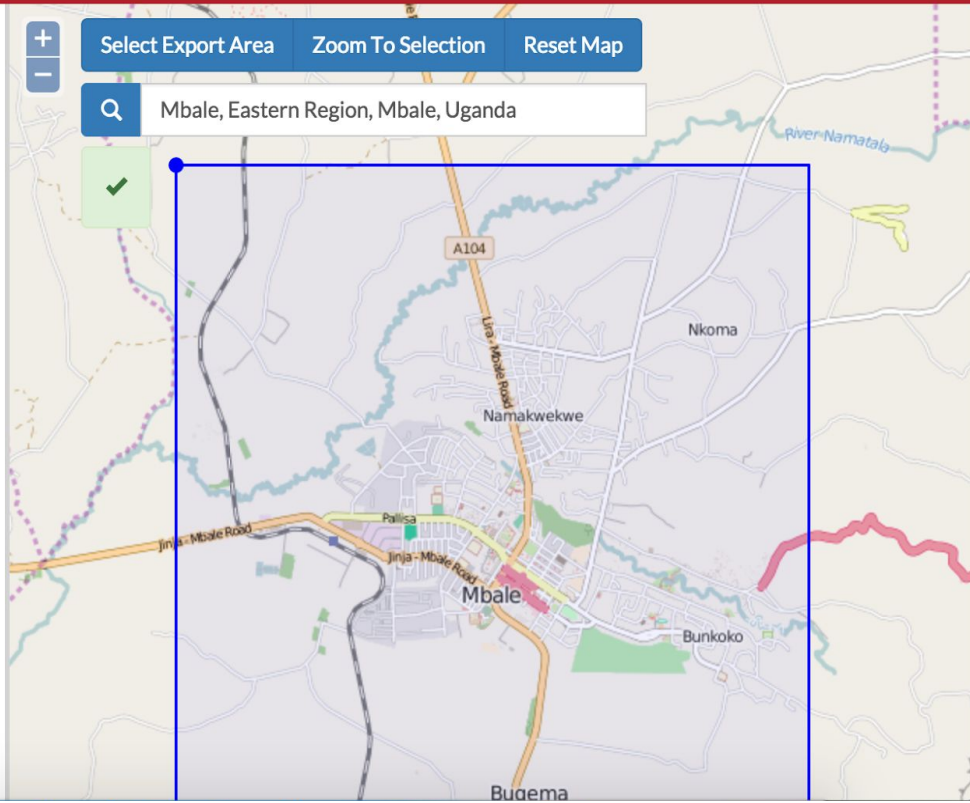
Preset name:

Publish this preset globally.

+ Upload Preset

Select a stored preset

Filename	Type	Status	
mbale_preset.xml	PRESET	false	Remove ✖



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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Describe Export File Formats Tree Tag Preset File Export Details

Export Details

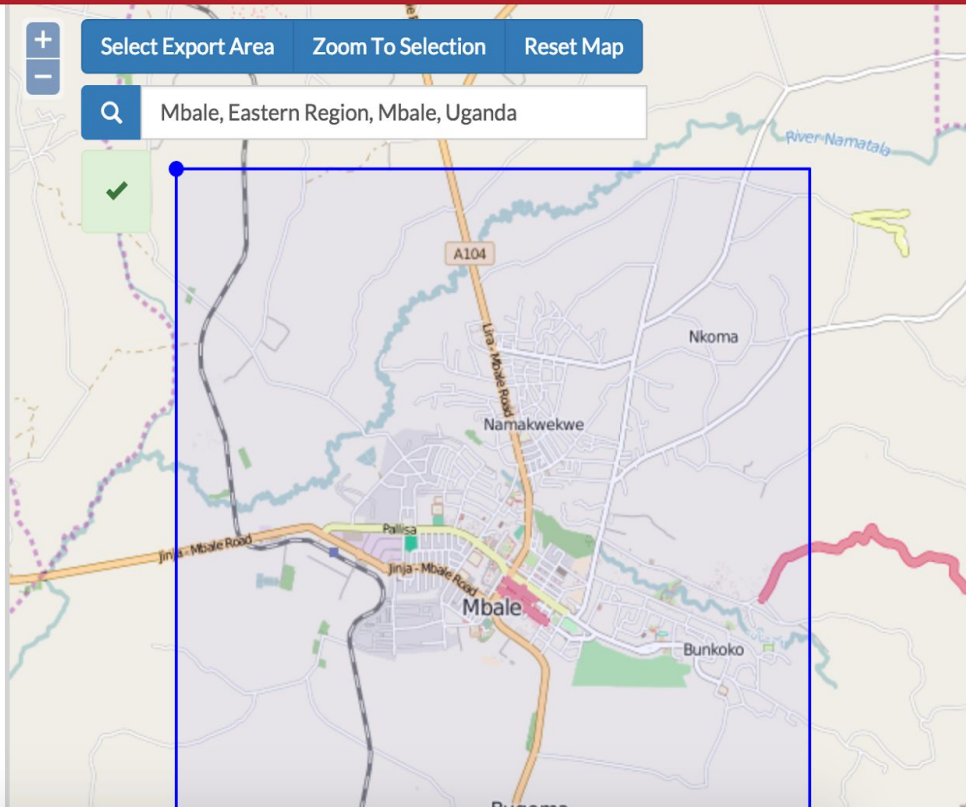
Name: Mbale
Description: Detailed Town Mapping Plan
Activation: #MapUganda
Export formats:

- Esri SHP (OSM Schema)
- Esri SHP (Thematic Schema)

Export Options

- [ ] Save feature selection locally
- [x] Publish feature selection globally
- [x] Publish export globally

Create Export



Export Details

Job Id:	c281ee22-351a-43b0-875a-f96a5fa36fb5
Name:	Mbale
Description:	Detailed Town Mapping Plan
Project:	#MapUganda
Region:	Africa
Area:	49 sq km
Created:	12:44:00 pm, January 22nd 2016
Created By:	mataharimhairi
Published:	Publicly
Export Formats:	ESRI Shapefile Format ESRI Shapefile Format (Thematic)

Data is copyright OpenStreetMap contributors, ODbL 1.0 licensed.

Features | Rerun Export | Clone Export | Delete Export

Export Runs

12:44:54 pm, January 22nd 2016

Run Id:	4f42075f-5cee-4918-b573-defe282c31a9
Status:	COMPLETED
Run by:	mataharimhairi
Started :	12:44:00 pm, January 22nd 2016
Finished:	12:44:54 pm, January 22nd 2016
Duration:	a minute

Download:

File	Duration	Size
OpenStreetMap (PBF) File	0:00:00	0.025 MB
ESRI Shapefile (SHP)	0:00:00	0.057 MB
Thematic ESRI Shapefile (SHP)	0:00:13	0.052 MB
Custom JOSM Preset (XML)	0:00:01	0.009 MB

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OSM Export Tool

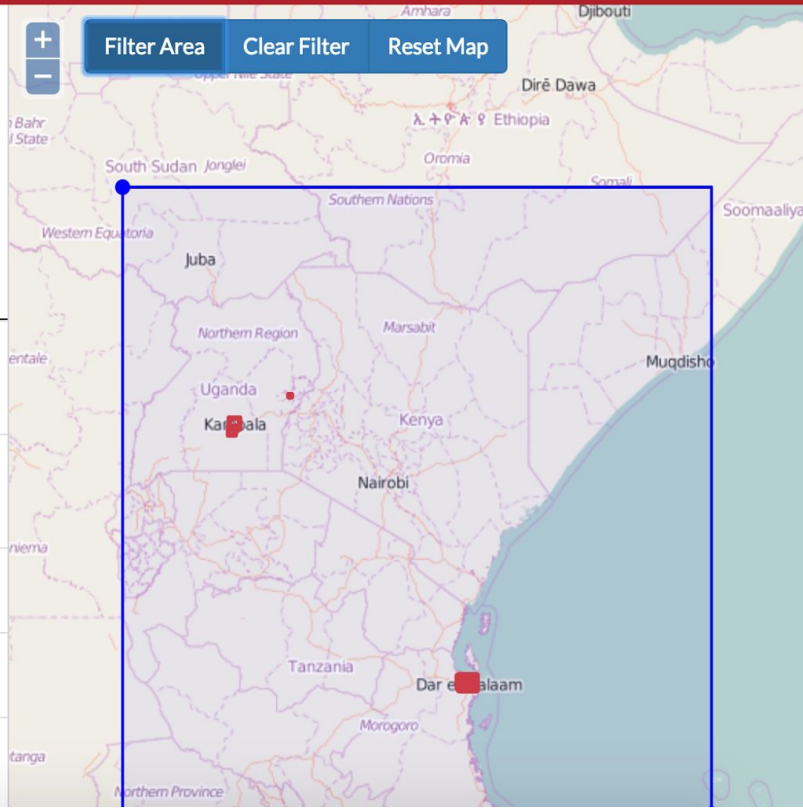
Create | Exports | Presets | Help | About | mataharimhairi

Filter Exports

Search for name, description, event or username

Start Date: 2015-12-27 01:12 | End Date: 2016-01-27 01:01 | Reset Form

Name	Description	Project	Created	Region	Owner
Dar es Salaam	Ramani Huria	Community Mapping For Flood Resilence	2016-01-25	Africa	paulevance
Dar es salaam	Ramani Huria	Community mapping for flood resilience areas	2016-01-25	Africa	paulevance
Mbale	Detailed Town Mapping Plan	#MapUganda	2016-01-22	Africa	mataharimhairi
Mbale	Detailed Town Mapping Plan	#MapUganda	2016-01-22	Africa	mataharimhairi
Dar Flood Prone zone	Ramani Huria	Community Mapping For Flood Resilence	2016-01-18	Africa	paulevance



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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Filter Presets

Name	Type	Created	Download Configuration	Owner	
yogyakarta	PRESET	2016-01-26	yogyakarta_preset.xml	Tyasfk	
Jogja	PRESET	2016-01-26	jogja_preset.xml	RLinggarMeisar	
GitHub Issue #74-TreeTag	PRESET	2016-01-24	github_issue_74treetag_preset.xml	mataharimhairi	Delete
GitHub Issue #74-TreeTag	PRESET	2016-01-23	github_issue_74treetag_preset.xml	mataharimhairi	Delete
Test Preset	PRESET	2016-01-23	test_preset_v1.xml	mataharimhairi	Delete

My Presets Display 5 presets per page Displaying 1-5 of 20 results Next

Upload a preset file

Use this form to upload a JOSM Preset configuration file.

Preset name:

Publish this preset publicly

+ Upload Preset

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OSM Export Tool

Create Exports Presets Help About mataharimhairi

Help Documentation

The Export Tool allows users to create custom OpenStreetMap (OSM) exports for selected HOT regions in various data file formats. The OSM data available for download is updated at one minute intervals. This help documentation will assist users in navigating the site, and use the available functionality effectively to generate OSM exports.

Main Pages

The OSM Export Tool has three main sections; an area to create new exports (Create), an area where existing exports are stored and can be re-run (Exports), and an area where preset files are stored and can be accessed (Presets). The following links will take the user step by step through the each section, providing guidance for the available functions:

- Create
- Exports
- Presets

File Formats

Google Earth File Edit View Tools Add Window Help 97% Fri 00:27

Google Earth

Search

Search

ex: 37 25' 19.1"N, 122 05' 06"W

Get Directions History

Places

My Places

Sightseeing Tour

Make sure 3D Buildings layer is checked

Temporary Places

Layers Earth Gallery

Primary Database

Voyager New!

Borders and Labels

Places

Photos

Roads

3D Buildings

Ocean

Weather

Gallery

Global Awareness

More

Sign in

Tour Guide

Indonesia Java East Java Central Java West Java Jakarta Capital Re... Jakarta Philippines Singapore

This repository Search

Pull requests Issues Gist

hotosm / osm-export-tool2

Unwatch 10 Unstar 6 Fork 10

Code Issues 22 Pull requests 1 Wiki Pulse Graphs Settings

Export customised OSM data in various file formats http://export.hotosm.org/ — Edit

330 commits 1 branch 2 releases 7 contributors

Branch: master New pull request New file Find file HTTPS https://github.com/hoto Download ZIP

mataharimhairi Merge pull request #111 from waffle-iron/master ··· Latest commit 2fd7147 7 days ago

.tx	Adding tx for javascript files.	4 months ago
api	Fix for #99.	3 months ago
core	Updating inline code documentation.	3 months ago
doc	Fix for #78. Updating locales.	4 months ago
jobs	Fix for #103.	3 months ago
locales	Fix for transifex issue.	3 months ago

https://github.com/hotosm/osm-export-tool2/

Overpass API

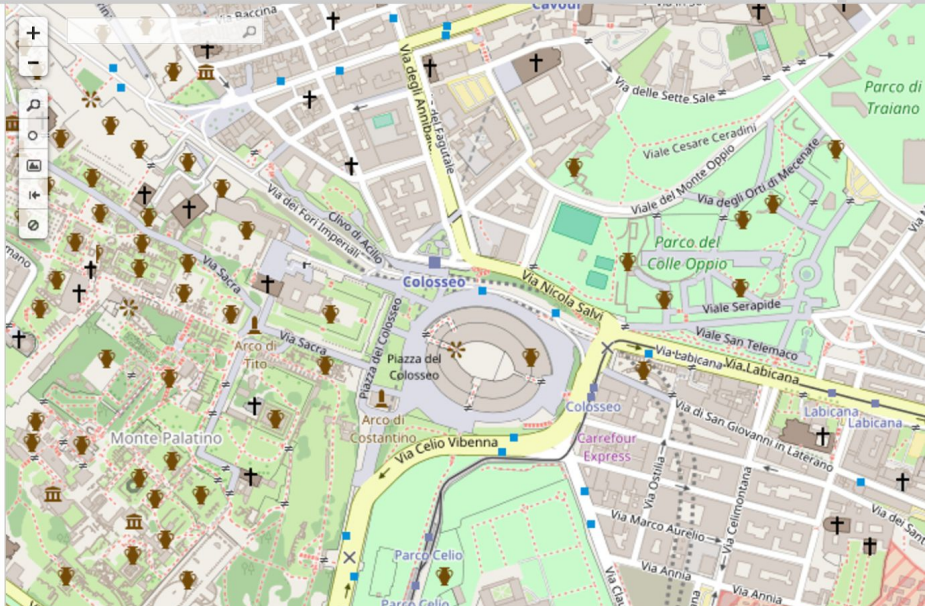
Query Data

Run Share Export Wizard Save Load Settings Help overpass turbo

Enjoy OpenStreetMap data? Support OSM's 2016 donation drive! Flattr this!

Map Data

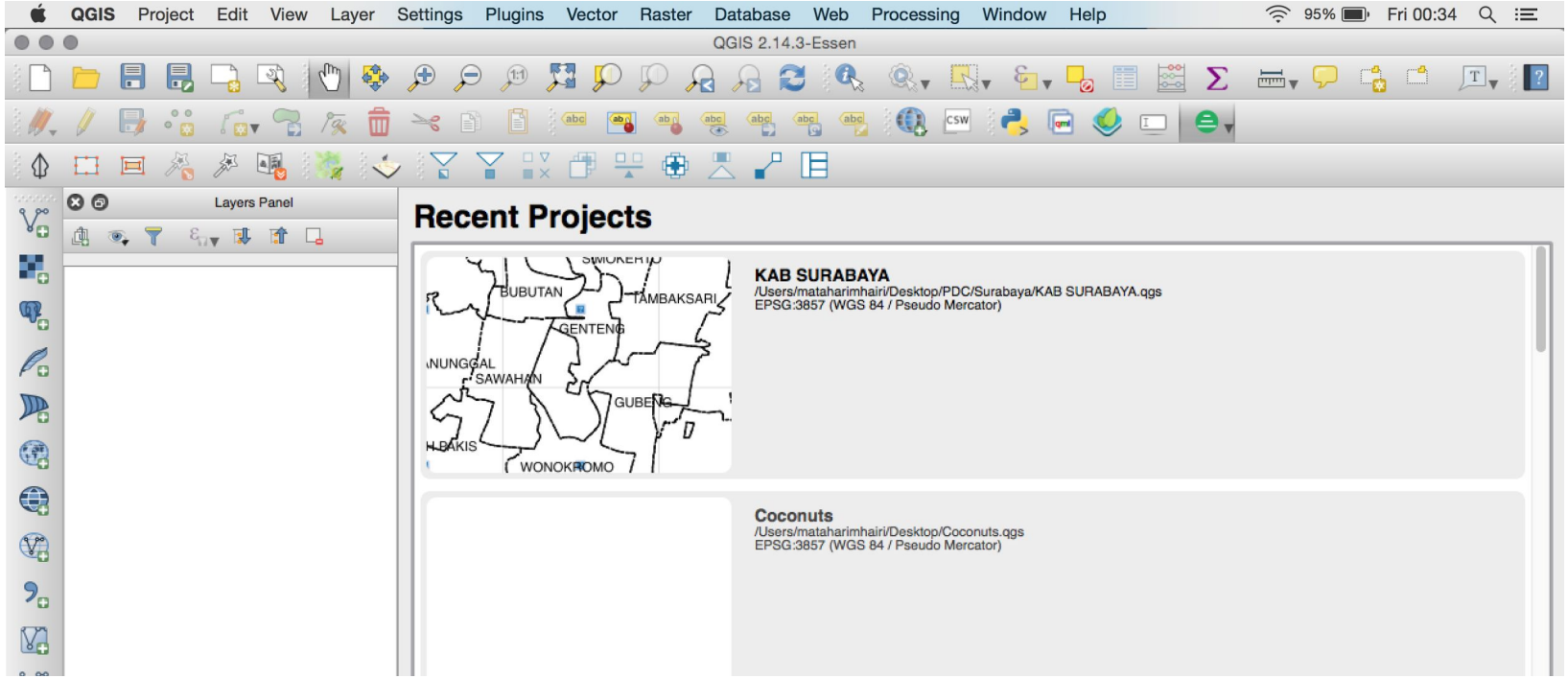
```
/*
This is an example Overpass query.
Try it out by pressing the Run button above!
You can find more examples with the Load tool.
*/
node
  [amenity=drinking_water]
  ({{bbox}});
out;
```



https://overpass-turbo.eu/

QGIS

Desktop GIS Application



http://www.qgis.org/

InaSAFE

Model Hazard Impact

InaSAFE

http://inasafe.org/

GFDRR

Global Facility for Disaster Reduction and Recovery

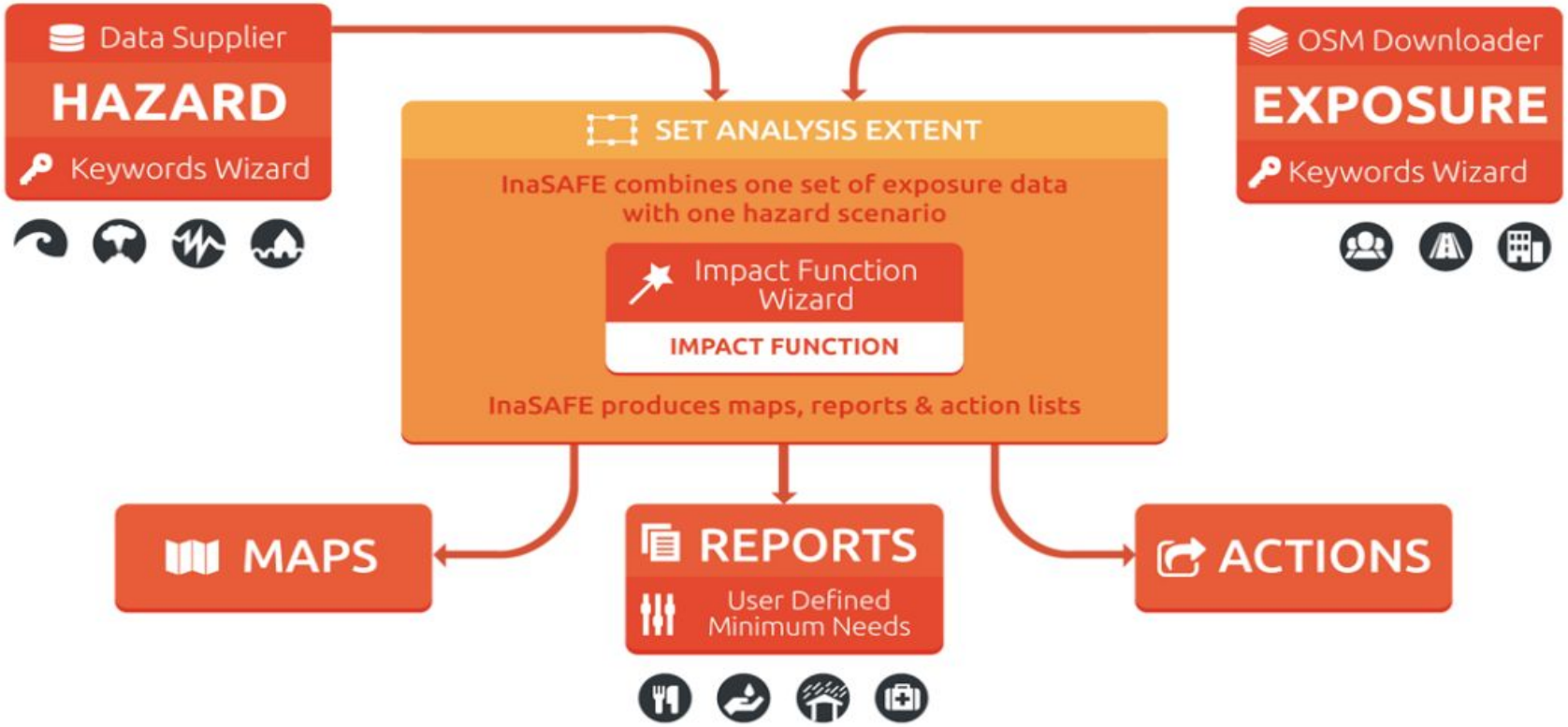
Australian Aid

BNPB

AUSTRALIA-INDONESIA FACILITY FOR DISASTER REDUCTION

InaSAFE

Work Flow Process



InaSAFE

Hazard Layer

- Flood
- Earthquake
- Lava Flow
- Ash Fall
- Tsunami

- Chemical Spill
- Nuclear Plant Failure
- Industrial Fire/Explosion

InaSAFE

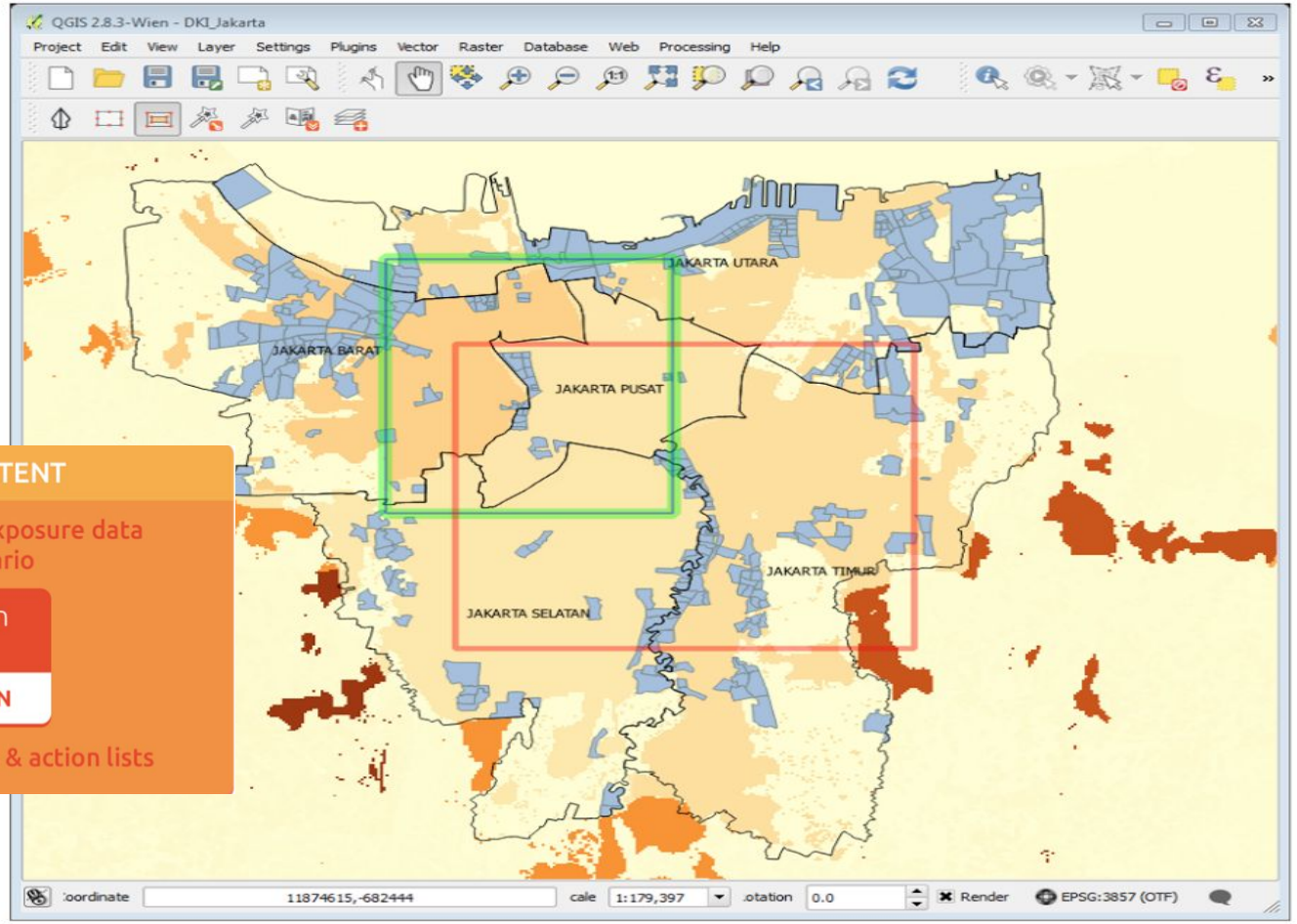
Exposure Layer

- Roads
- Buildings
- Population/People

OpenStreetMap Data

InaSAFE

Input: Analysis Extent



SET ANALYSIS EXTENT

InaSAFE combines one set of exposure data with one hazard scenario

Impact Function Wizard

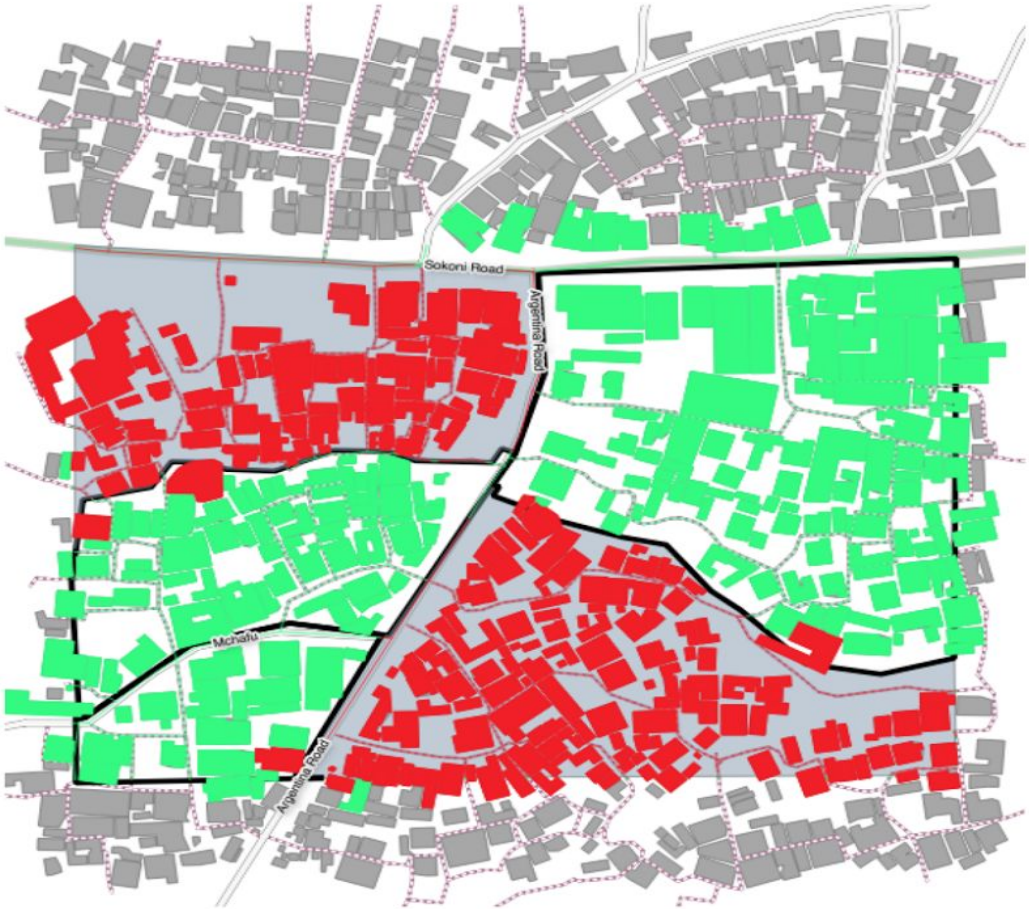
IMPACT FUNCTION

InaSAFE produces maps, reports & action lists

InaSAFE

Output: Anaylsis Map

MAPS



InaSAFE

Output: Report

InaSAFE

Analysis Results

In the event of tandale-floods how many buildings might be flooded

Hazard Category	Buildings Affected
Flooded	247
Buildings Not Affected	**242**
All Buildings	**489**

Building type	Flooded	Total
Other	2	2
Residential	245	245

Action Checklist:

Are the critical facilities still open?

Which structures have warning capacity (eg. sirens, speakers, etc.)?

Which buildings will be evacuation centres?

Where will we locate the operations centre?

Where will we locate warehouse and/or distribution centres?

Notes

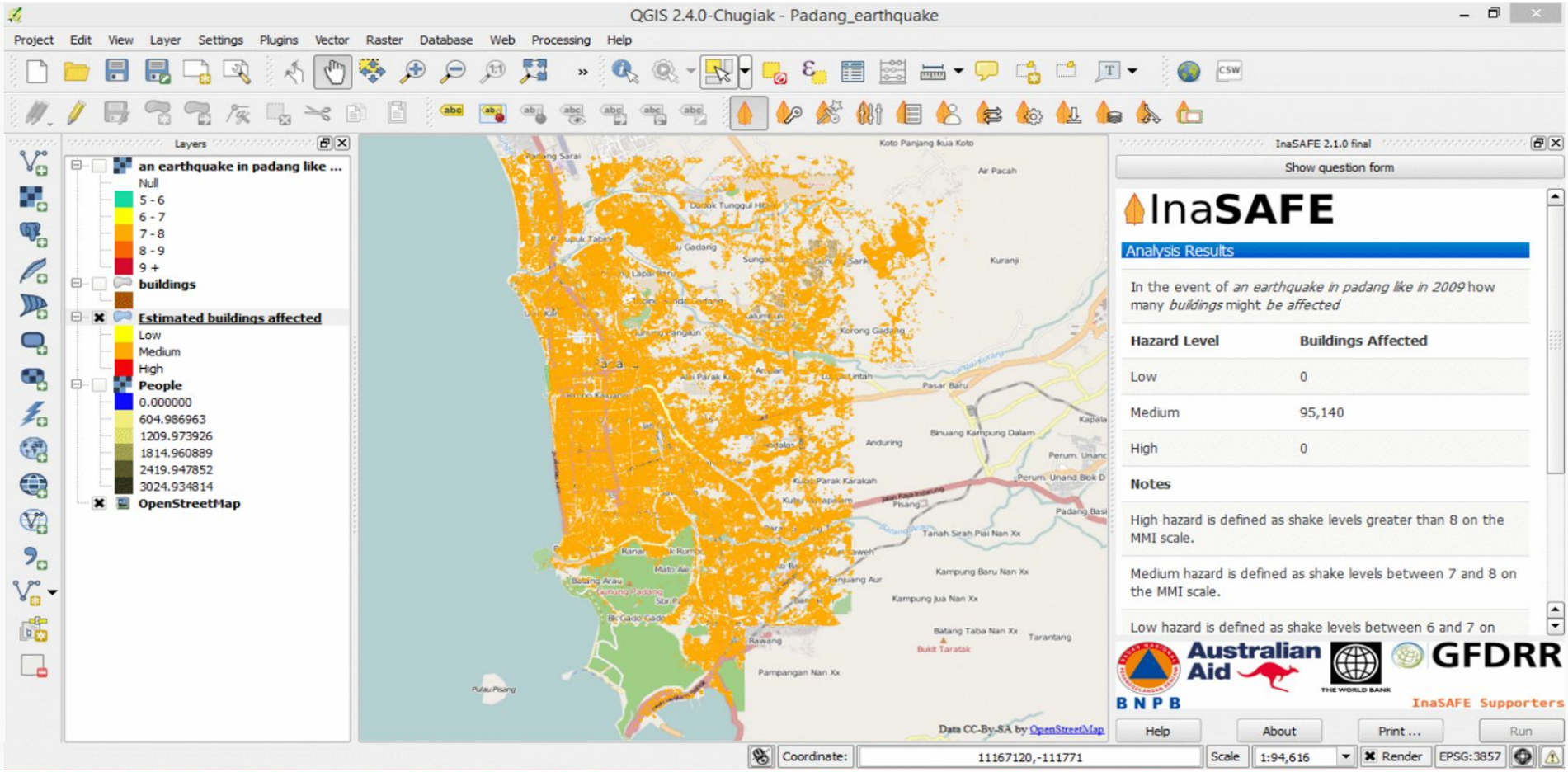
Buildings are said to be inundated when in a region with field "FLOODPRONE" = "YES" .

InaSAFE

Output: Actions

Needs should be provided weekly	Total
Rice [kg]	56
Drinking Water [l]	350
Clean Water [l]	1,340
Family Kits	4
Needs should be provided single	**Total**
Toilets	1

Action Checklist:
How will warnings be disseminated?
How will we reach stranded people?
Do we have enough relief items?
If yes, where are they located and how will we distribute them?
If no, where can we obtain additional relief items from and how will we transport them to here?


QGIS 2.4.0-Chugiak - Padang_earthquake
Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help
Layers
an earthquake in padang like ...
Null
5 - 6
6 - 7
7 - 8
8 - 9
9 +
buildings
Estimated buildings affected
Low
Medium
High
People
0.000000
604.986963
1209.973926
1814.960889
2419.947852
3024.934814
OpenStreetMap
Data CC-By-SA by OpenStreetMap
InaSAFE 2.1.0 final
Show question form
InaSAFE
Analysis Results
In the event of an earthquake in padang like in 2009 how many buildings might be affected
Hazard Level
Buildings Affected
Low
0
Medium
95,140
High
0
Notes
High hazard is defined as shake levels greater than 8 on the MMI scale.
Medium hazard is defined as shake levels between 7 and 8 on the MMI scale.
Low hazard is defined as shake levels between 6 and 7 on
Australian Aid
GFDRR
BNPB
InaSAFE Supporters
Help
About
Print ...
Run
Coordinate:
11167120,-111771
Scale
1:94,616
Render
EPSG:3857

QGIS 2.4.0-Chugiak - Jakarta_floods

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

InaSAFE 2.1.0 final

Show question form

InaSAFE

Analysis Results

In the event of *jakarta flood 2007* how many *people* might *need evacuation*

People in 1.0 m of water	**1,112,000***

* Number is rounded to the nearest 1000

Map shows population density needing evacuation

Table below shows the weekly minimum needs for all evacuated people

Needs per week	**Total**
Rice [kg]	3,113,600
Drinking Water [l]	19,460,000
Clean Water [l]	116,760,000

Australian Aid

THE WORLD BANK

GFDRR

BNPB

InaSAFE Supporters

Help About Print ... Run

InaSAFE 2.1.0 final Layers

Jakarta

Bekasi

Data CC-By-SA by OpenStreetMap

1 legend entries removed.

Coordinate: 11873800,-706575 Scale 1:227,256 Render EPSG:3857

QGIS 2.4.0-Chugiak - Maumere_tsunami

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

InaSAFE 2.1.0 final

Show question form

InaSAFE

Analysis Results

In the event of *a tsunami in maumere (mw 8.1)* how many *buildings* might *be flooded*

Building type	Number flooded	Total
All	1,527	3,626
Breakdown by building type		
Building	1,527	3,625
Other	0	1

Action Checklist:

Are the critical facilities still open?

Which structures have warning capacity (eg. sirens, speakers,

Australian Aid

BNPB

THE WORLD BANK

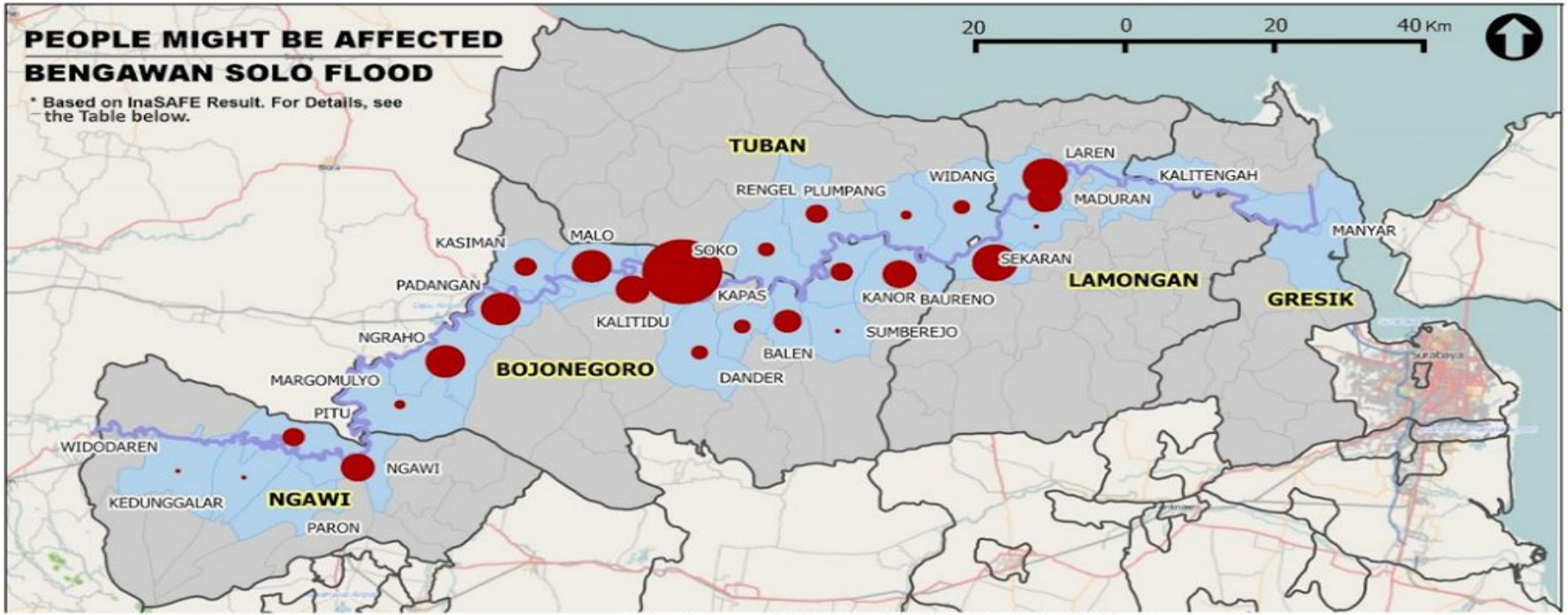
GFDRR

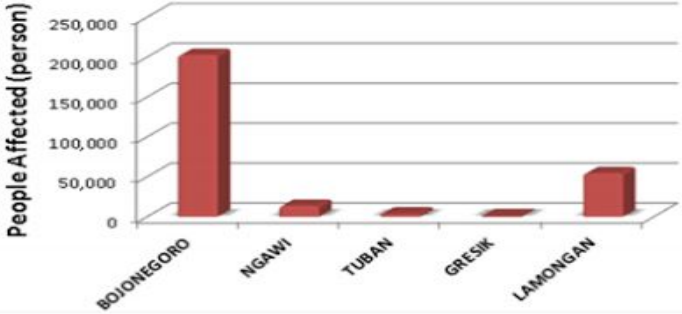
InaSAFE Supporters

Help About Print ... Run

InaSAFE 2.1.0 final Layers

Coordinate: 122.20586,-8.61374 Scale 1:7,039 Render EPSG:4326





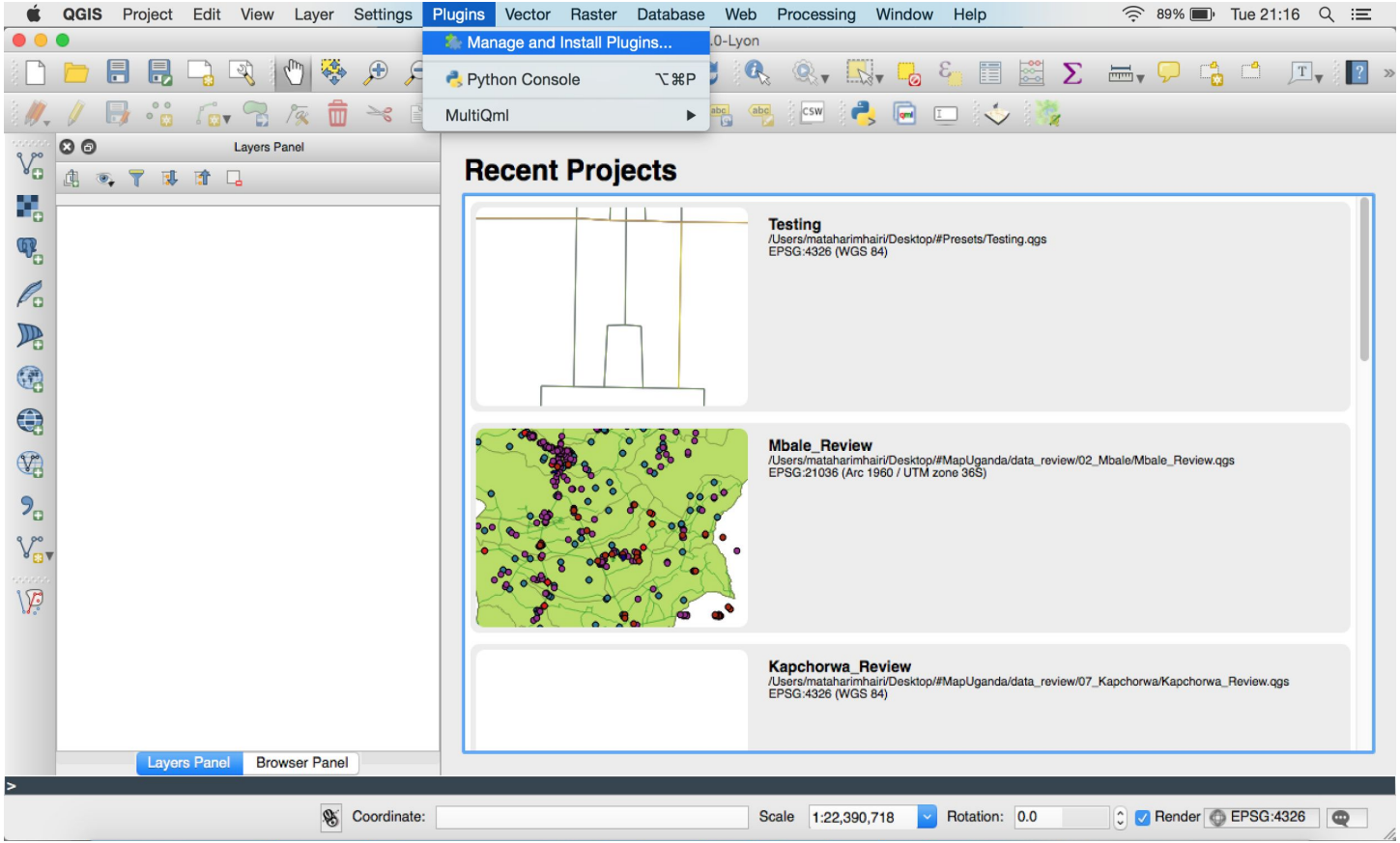
PEOPLE MIGHT BE AFFECTED BY BENGAWAN SOLO FLOOD *
*** Based on analysis using InaSAFE**

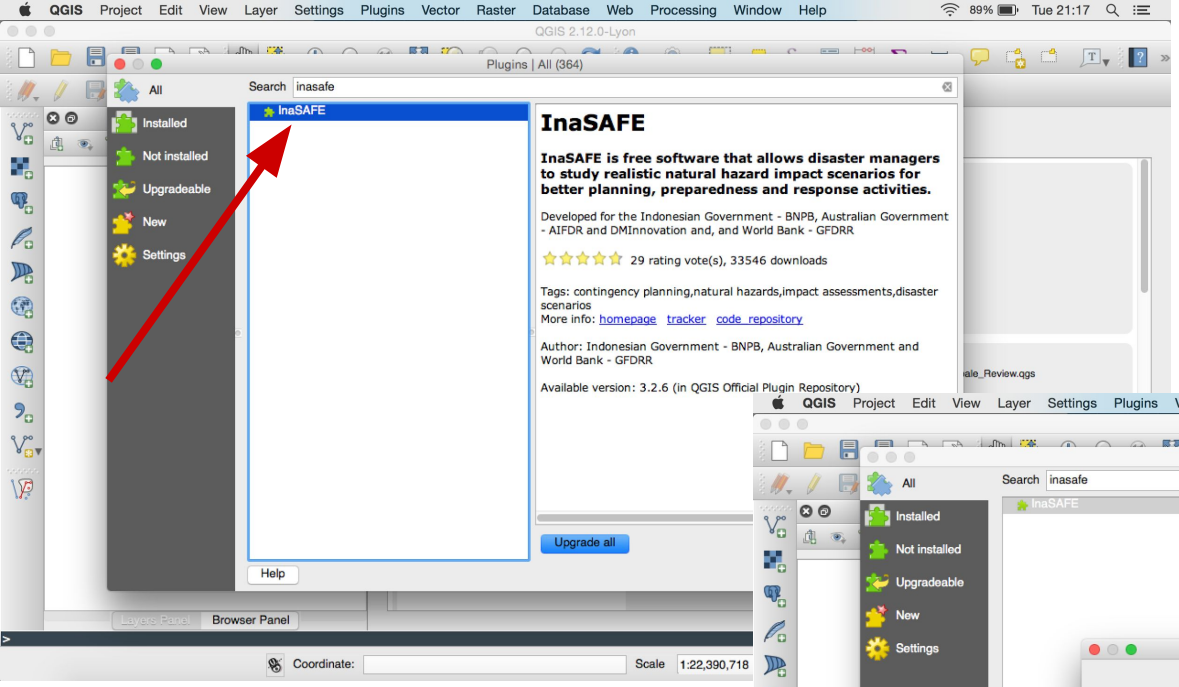
District	People Might be Afected	People Need Evacuation **	Population By Age			Female Population ***
			Youth	Adult	Elderly	
Bojonegoro	202,821	2,000	53,342	133,659	15,802	101,411
Ngawi	13,701	130	3,603	9,029	1,069	6,851
Tuban	3,669	30	965	2,418	286	1,835
Gresik	803	8	211	529	63	393
Lamongan	54,540	540	14,344	35,942	4,254	27,270
TOTAL	**275,534**	**2,708**	**72,465**	**181,577**	**21,474**	**137,760**

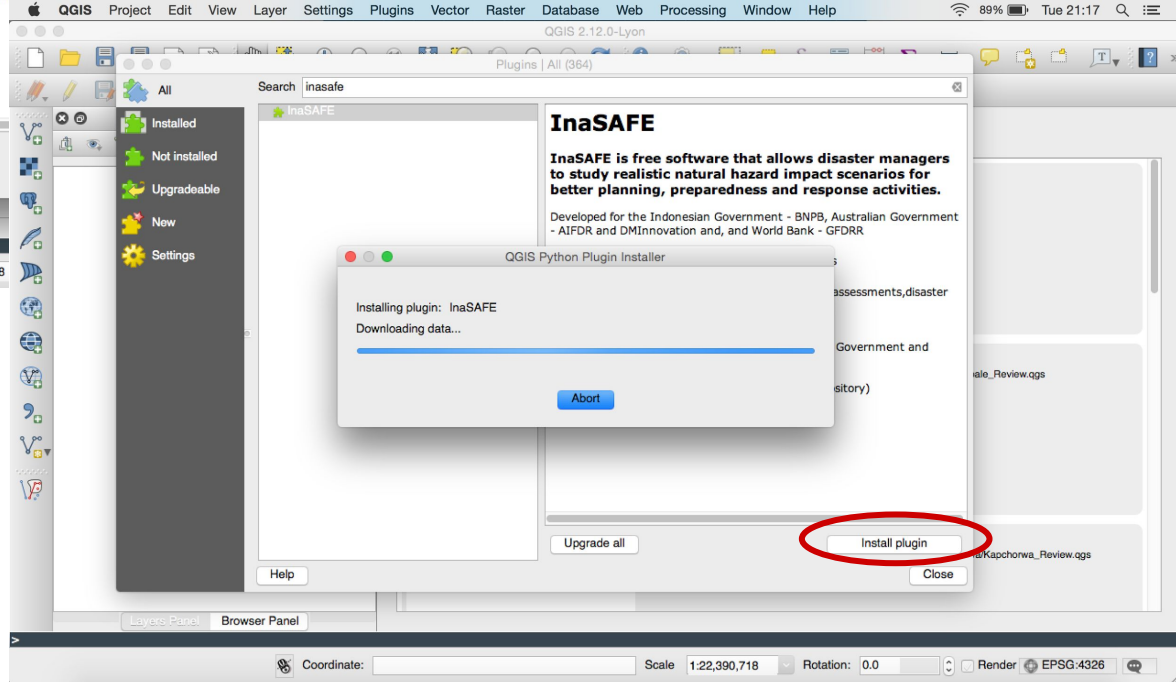
** Population threshold of people need evacuation : 1% of the people might be affected
*** Estimated based on sex ratio (male—female ratio) of the district

QGIS Plugin

Installation




QGIS Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Window Help
QGIS 2.12.0-Lyon
Plugins | All (364)
All
Installed
Not installed
Upgradeable
New
Settings
Search inasafe
InaSAFE
InaSAFE
InaSAFE is free software that allows disaster managers to study realistic natural hazard impact scenarios for better planning, preparedness and response activities.
Developed for the Indonesian Government - BNPB, Australian Government - AIFDR and DMInnovation and, and World Bank - GFDRR
29 rating vote(s), 33546 downloads
Tags: contingency planning,natural hazards,impact assessments,disaster scenarios
More info: homepage tracker code repository
Author: Indonesian Government - BNPB, Australian Government and World Bank - GFDRR
Available version: 3.2.6 (in QGIS Official Plugin Repository)
Upgrade all
Help
Layers Panel
Browser Panel
Coordinate:
Scale
1:22,390,718


QGIS Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Window Help
QGIS 2.12.0-Lyon
Plugins | All (364)
All
Installed
Not installed
Upgradeable
New
Settings
Search inasafe
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InaSAFE is free software that allows disaster managers to study realistic natural hazard impact scenarios for better planning, preparedness and response activities.
Developed for the Indonesian Government - BNPB, Australian Government - AIFDR and DMInnovation and, and World Bank - GFDRR
QGIS Python Plugin Installer
Installing plugin: InaSAFE
Downloading data...
Abort
Upgrade all
Install plugin
Help
Close
Layers Panel
Browser Panel
Coordinate:
Scale
1:22,390,718
Rotation:
0.0
Render
EPSG:4326

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

89% Tue 21:18

QGIS 2.12.0-Lyon

Plugins | All (364)

All
Installed
Not installed
Upgradeable
New
Settings

Search inasafe

InaSAFE

InaSAFE

InaSAFE is free software that allows disaster managers to study realistic natural hazard impact scenarios for better planning, preparedness and response activities.

Developed for the Indonesian Government - BNPB, Australian Government - AIFDR and DMInnovation and, and World Bank - GFDRR

29 rating vote(s), 33546 downloads

Tags: contingency planning, impact assessments, disaster scenarios, natural hazards
More info: homepage tracker code_repository

Author: Indonesian Government - BNPB, Australian Government and World Bank - GFDRR

Installed version: 3.2.6 (in /Users/mataharimhairi/.qgis2/python/plugins/inasafe)
Available version: 3.2.6 (in QGIS Official Plugin Repository)

changelog:

Upgrade all | Uninstall plugin | Reinstall plugin

Help | Close

InaSAFE 3.2.6

SAFE

minimum steps you need to
to use InaSAFE:

east one **hazard** layer (e.g.
ake MMI) to QGIS.

east one **exposure** layer (e.g.
es) to QGIS.

ure you have defined
ds for your hazard and
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the **Run** button below.

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Help | About | Print ... | Run

Layers Panel | Browser Panel

Coordinate: | Scale 1:22,390,718 | Rotation: 0.0 | Render | EPSG:4326 (OTF)

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

QGIS 2.12.0-Lyon

Layers Panel

Layers Panel | Browser Panel

Recent Projects

Testing
/Users/mataharimhairi/Desktop/#Presets/Testing.qgs
EPSG:4326 (WGS 84)

Mbale_Review
/Users/mataharimhairi/Desktop/#MapUganda/data_review/02_Mbale/Mbale_Review.qgs
EPSG:21036 (Arc 1960 / UTM zone 36S)

Kapchorwa_Review
/Users/mataharimhairi/Desktop/#MapUganda/data_review/07_Kapchorwa/Kapchorwa_Review.qgs

InaSAFE 3.2.6

InaSAFE

Getting started

These are the minimum steps you need to follow in order to use InaSAFE:

1. Add at least one **hazard** layer (e.g. earthquake MMI) to QGIS.
2. Add at least one **exposure** layer (e.g. structures) to QGIS.
3. Make sure you have defined keywords for your hazard and exposure layers. You can do this using the keywords creation wizard in the toolbar.
4. Click on the **Run** button below.

Limitations

1. InaSAFE is not a hazard modelling

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Coordinate: | Scale 1:22,390,718 | Rotation: 0.0 | Render | EPSG:4326 (OTF)

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    - Preface
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        - Introduction

Run Basic InaSAFE

Introduction

In this exercise we will work through an example scenario where we show how the different data elements used by InaSAFE are combined in order to analyse the potential impact of a flood in Jakarta on both the buildings and the population.

After we have run the InaSAFE analysis we will print the map and analysis report as pdf and review the results. We will also learn how to change the flood threshold and take a look at the default settings for minimum needs. We will also learn how to save our work.

Learning objective

http://docs.inasafe.org/en/training/socialisation/run_basic_inasafe.html

InaSAFE Home | **Documentation** | Report an issue | Get the code | Chat live! | Search | Go

Name	Last modified	Size	Description
Flyers/	2015-10-14 09:12	-	Promotional materials for InaSAFE
InaSAFE 3.1 Data/	2015-10-14 09:23	-	Training data for InaSAFE 3.1
InaSAFE 3.2 Data/	2015-10-14 09:30	-	Training data for InaSAFE 3.2
InaSAFE Use Cases/	2015-10-14 09:37	-	Example use cases for InaSAFE
Movies/	2015-10-14 11:16	-	Short video clips and screencasts
Presentations/	2015-10-14 11:33	-	Presentation materials for InaSAFE
ScenarioData/	2015-10-14 09:09	-	Old scenario data for InaSAFE covering various towns and regions in Indonesia
TrainingDataPackages/	2015-10-26 06:59	-	Old training data packages - please use training data matching your installed version rather

Contact **info@inasafe.org** for more information. Source code available on **GitHub**! Please **file a ticket** if you have discovered an issue.
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http://data.inasafe.org/

Vinaka Vaka Levu!