



GISCorps: A Volunteer Community of GIS Professionals

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OSM ID: Palolo



What is GISCorps?

A Program of Urban and Regional Information System Association (URISA), GISCorps coordinates short-term volunteer GIS services to communities in need worldwide



History of GISCorps

GISCorps started in 2003 when our founder, Shoreh Elhami, had a simple idea and question:

Would GIS professionals be willing to volunteer their time and expertise – for a short time – to communities in need?

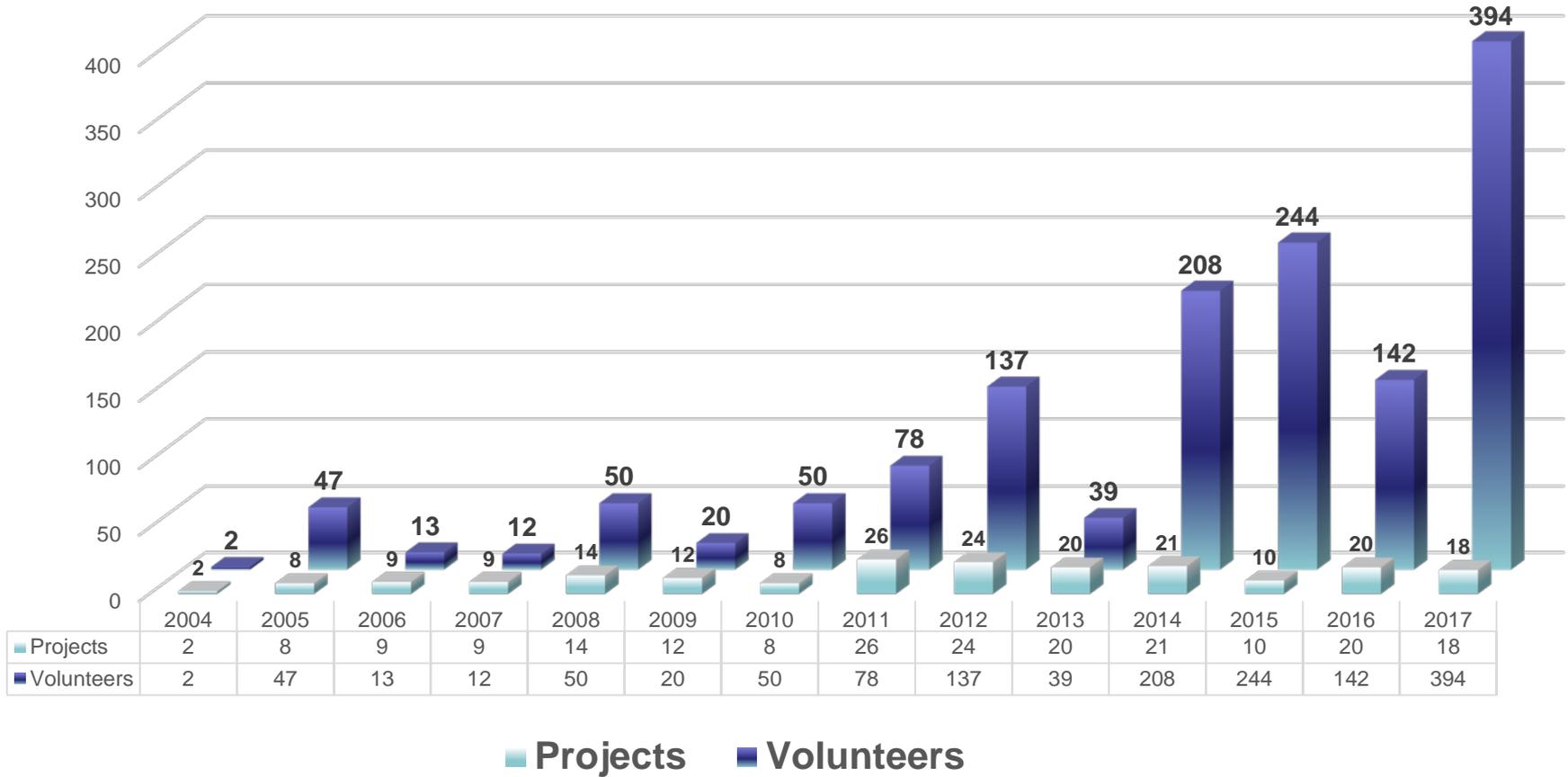
Volunteers from across the globe



 Volunteers reside in 117 countries at last count



GISCorps Launched Missions (2004 – 2017)



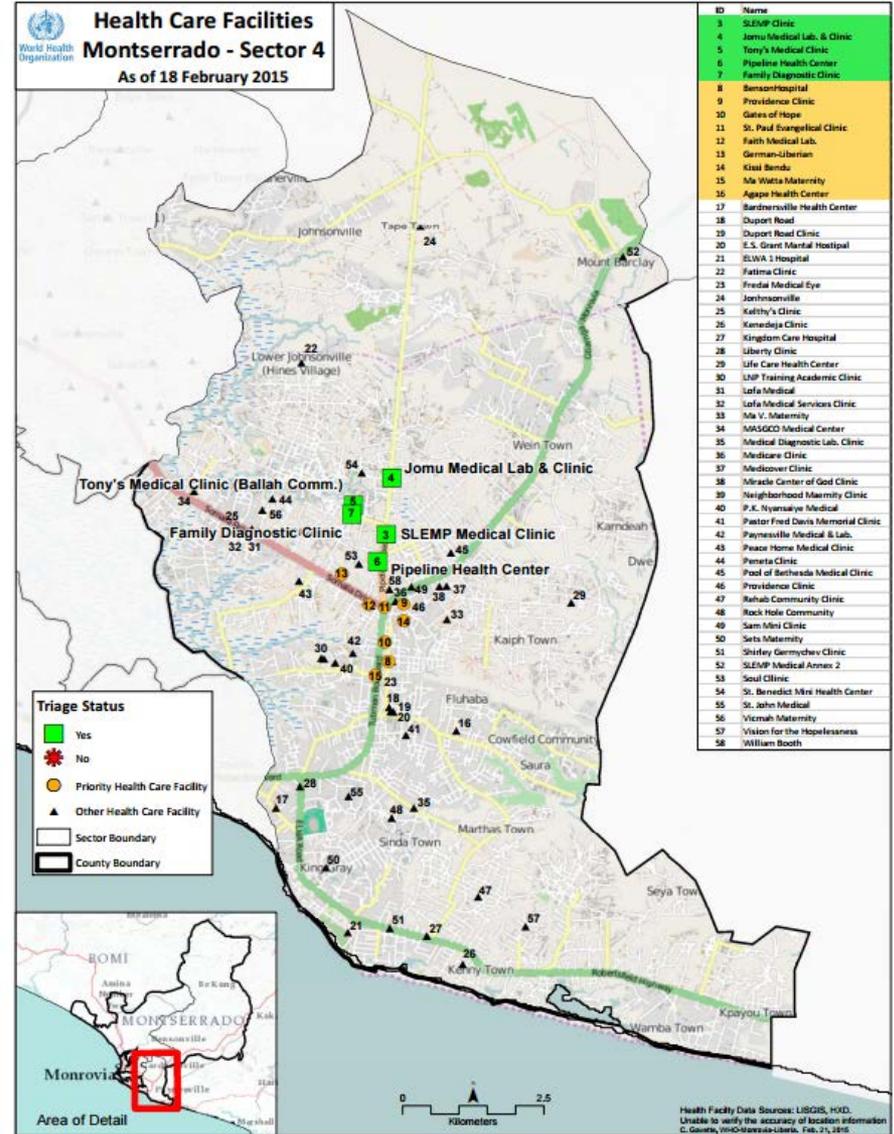
🌐 Launched 217 Missions in 69 countries. Using 1,492 volunteers

Mission Locations



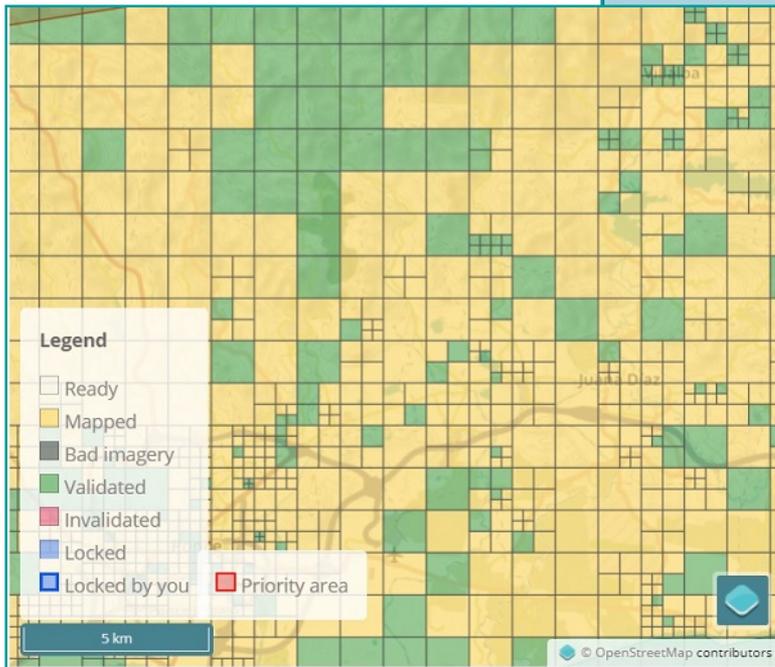
🌐 92 Disaster Response, 125 Non-disaster Projects

On-site Mission: Ebola Project with the World Health Organization (WHO) Switzerland, Ghana, Sierra Leone, Liberia



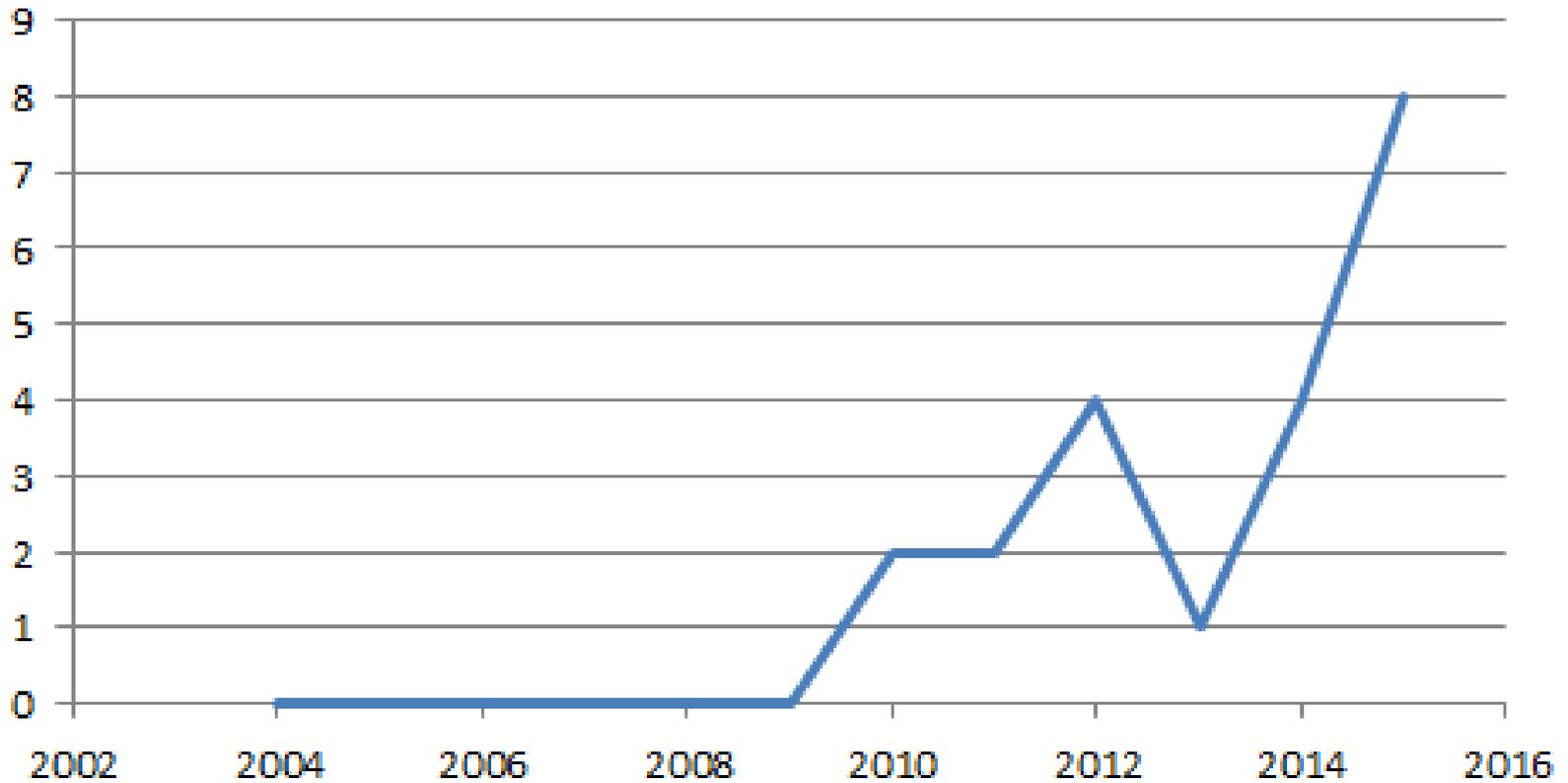
Hurricanes Harvey, Irma, & Maria Earthquakes in Mexico & Iran/Iraq

-  70 volunteers
-  500 hours contributed
-  Digitizing
-  Validating
-  DHN network



Humanitarian
OpenStreetMap
Team

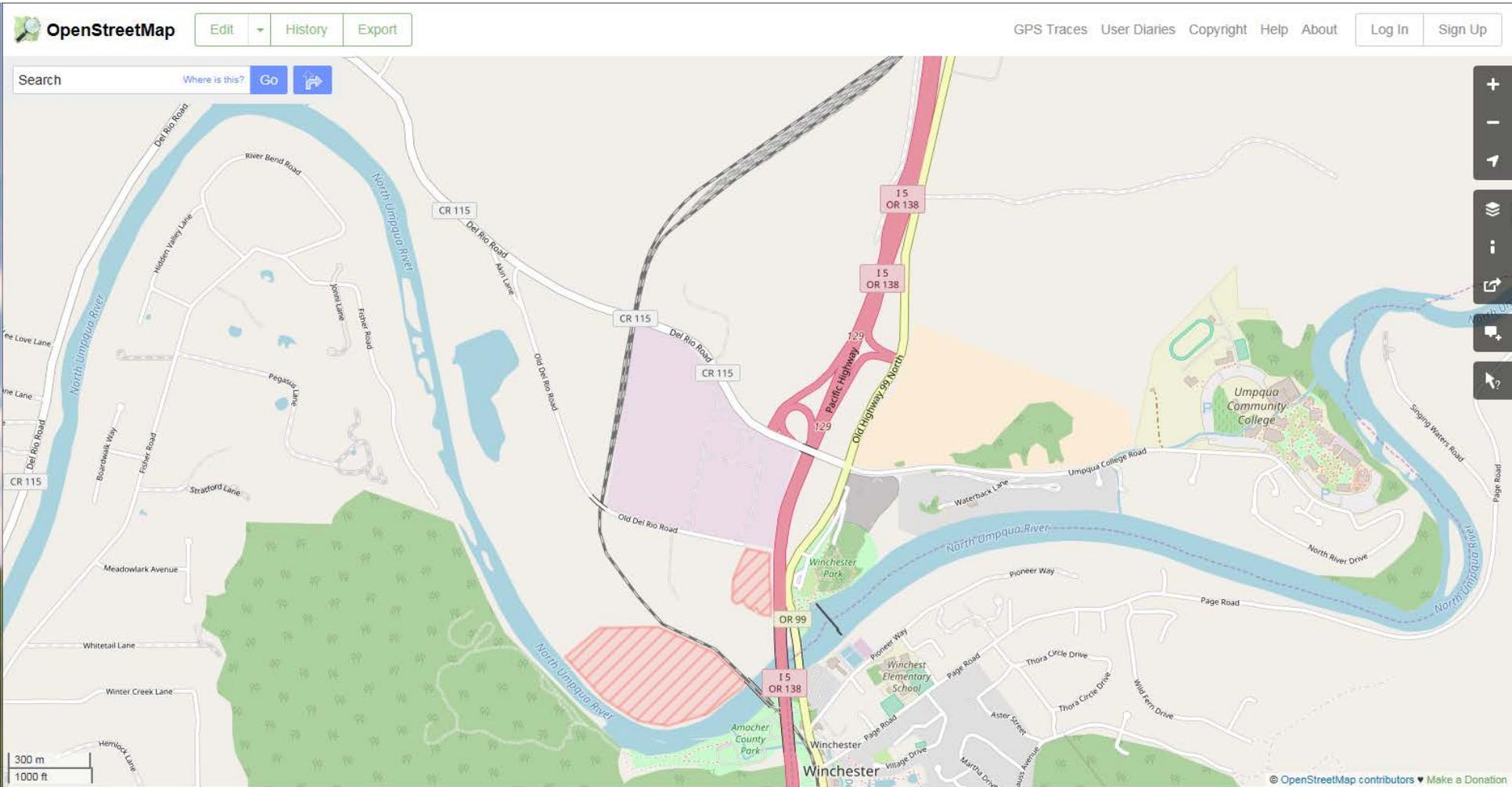
Number of GISCorps Crowdsourced Projects



Areas of Expertise

- **Training & Technical workshops**
- **GIS Needs Assessment & Strategic Planning**
- **Building/Designing/Cleaning Databases**
- **Remote Sensing**
- **Spatial Analysis & Modelling**
- **Geo-coding**
- **Story Maps/Application development**
- **Basic data entry/digitizing**

OpenStreetMap.org



OSM data structure

highway = track
tracktype=grade4
surface=ground
smoothness=bad
name=paddy road
foot=yes
bicycle=yes
oneway=no
access=yes

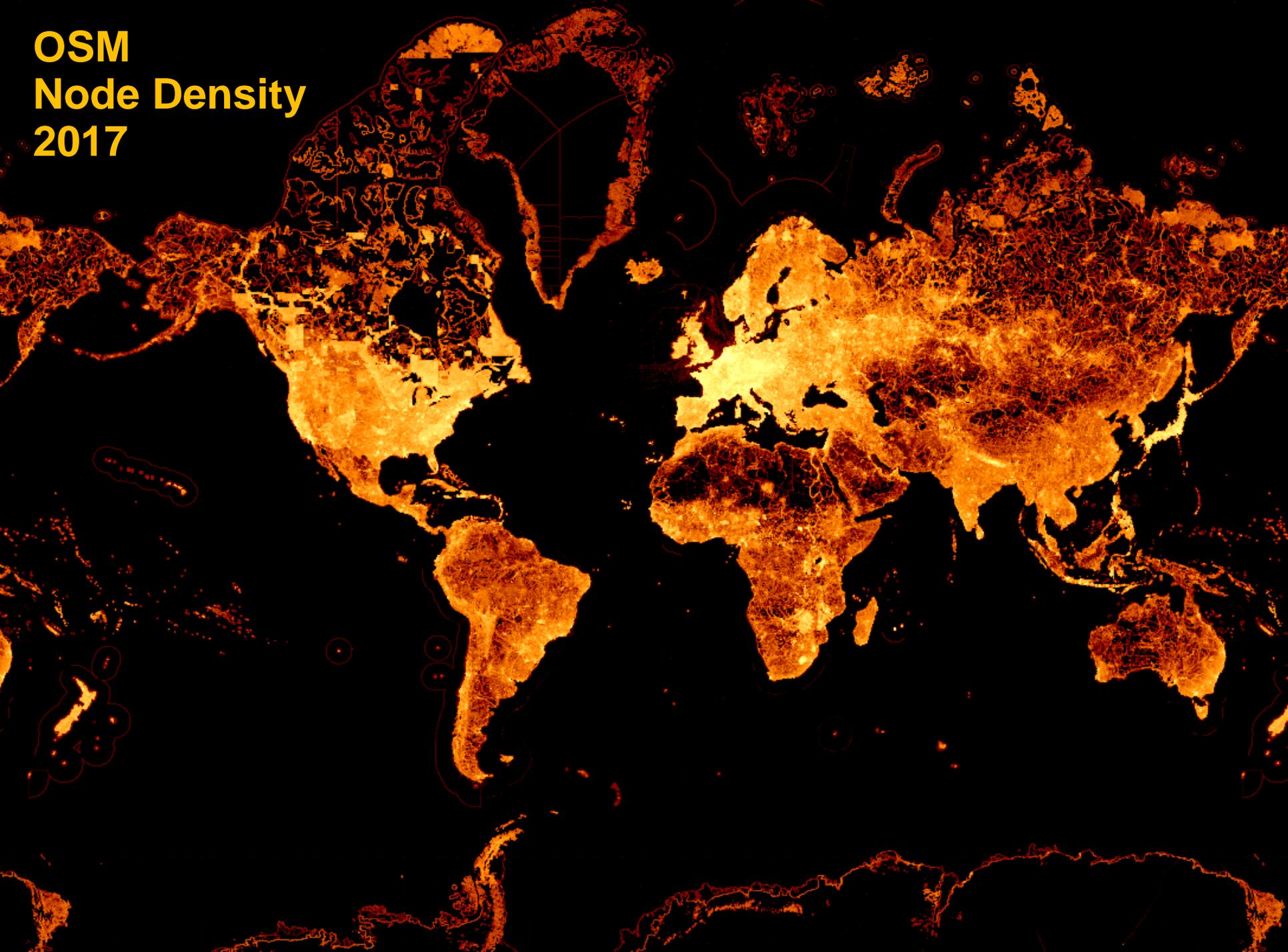


(Ushirombo Tanzania, 2015)

highway = track
highway = path



**OSM
Node Density
2017**



How did you contribute to OpenStreetMap?



Name: [Nesim](#)

Registered: April 24th, 2013

Active mapping days: 1494 (85.2%)

Changesets: 23 515 ([w/ comments 9](#))

Map changes: 6 112 916

GPS-tracks: 124

Type? Legendary Mapper (Mega Active)



OSM-related accounts:

1. [Mapillary](#): Total Photos 6876 Total Distance 86.52 km
2. [OpenStreetCam](#): Total Photos 218 Total Distance 2.84 km
3. [OSM Wiki](#): Editcount 10
4. [HOTOSM](#): Projects 8 Tasks mapped 27

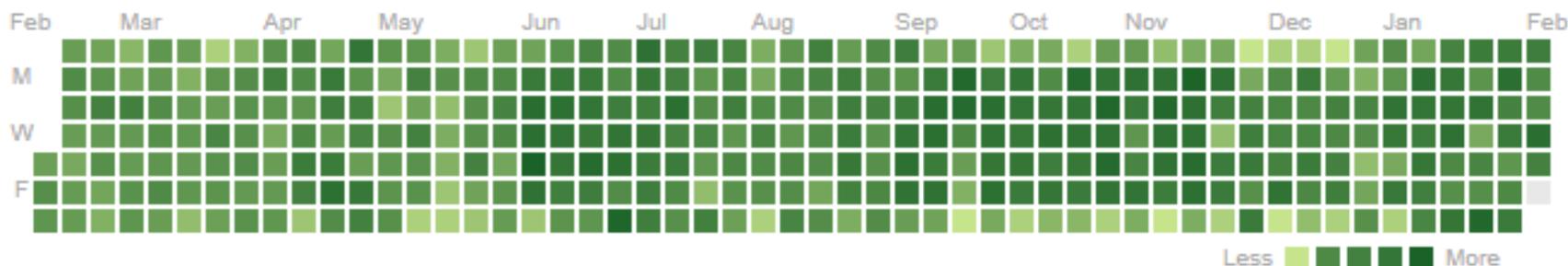
Recent changesets ([details](#)): Turkey 1 861 Saudi Arabia 3 Iraq 2

Recent ranks: Turkey [#1](#) Somalia [#19](#) Syria [#29](#)

OSM Notes: Closed w/ comment 98 (w/o 31), commented 1 and 34 opened

Changeset discussions: Participated in 18 and [created 18 comments](#)

366 mapping days with 10 223 changesets in the last year



	Created	Modified	Deleted
Nodes	5 198 818 (94%)	179 781 (3%)	151 578 (3%)
Ways	307 875 (69%)	125 496 (28%)	14 047 (3%)
Relations	5 319 (44%)	6 557 (54%)	158 (1%)

Name: [bdiscoe](#)

Registered: January 31st, 2011

Active mapping days: 1386 (54.0%)

Changesets: 23 109 ([w/ comments 38](#))

Map changes: 46 700 297

GPS-tracks: 4

Type? [Legendary Mapper](#) (Mega Active)

 verified



OSM-related accounts:

1. [OSM Help](#): Reputation 11
2. [OSM Forum](#): Posts 4
3. [OSM Wiki](#): Editcount 10
4. [HOTOSM](#): Projects 61 Tasks mapped 1218 Tasks validated 2
5. [Github](#): Contributions 0
6. [Mapillary](#): Total Photos 360 Total Distance 6.47 km

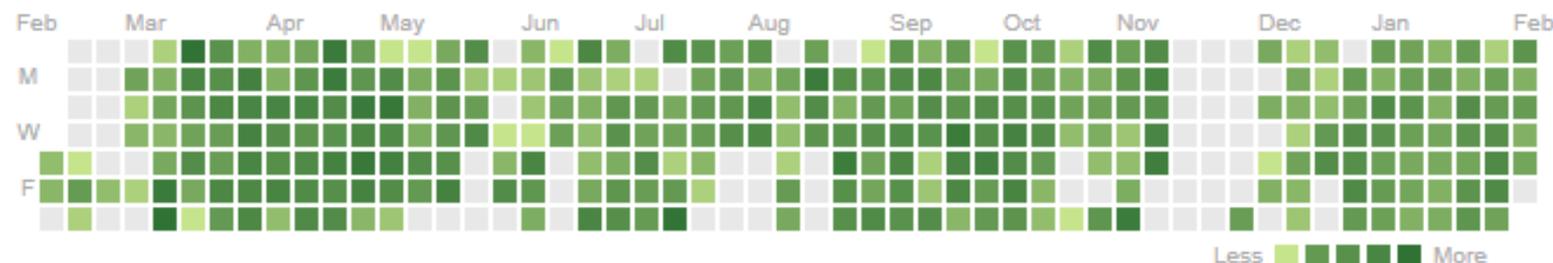
Recent changesets ([details](#)):  India 379  Mexico 240  United States 21

Recent ranks:  Mexico [#1](#)  India [#2](#)  Kenya [#16](#)

OSM Notes: Closed w/ comment 0 (w/o 0), commented 2 and 3 opened

Changeset discussions: Participated in 30 and [created 61 comments](#)

296 mapping days with 4 369 changesets in the last year



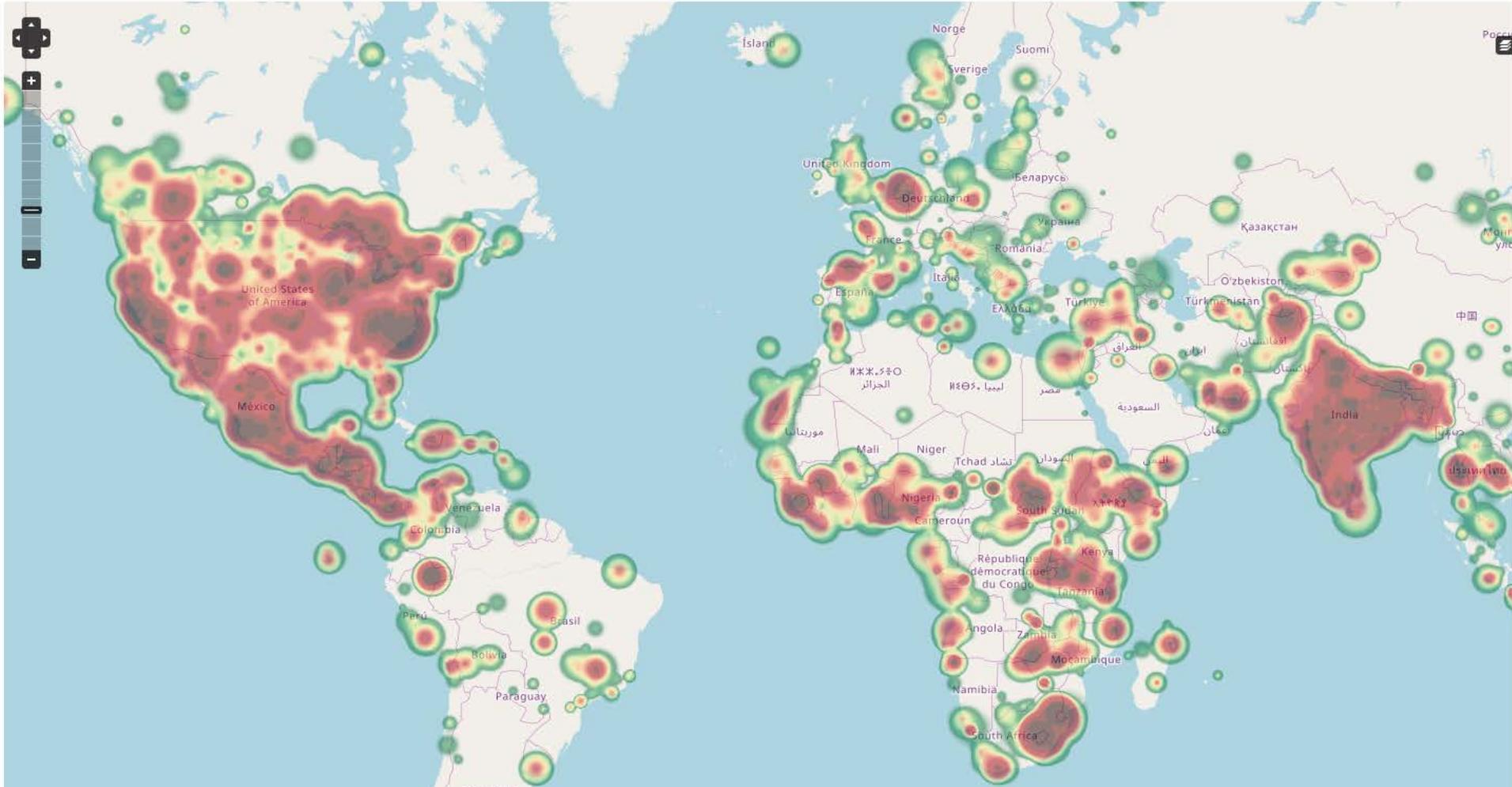
	Created	Modified	Deleted
Nodes	6 080 470 (11%)	3 802 496 (7%)	44 546 462 (82%)
Ways	446 126 (14%)	2 537 085 (81%)	134 816 (4%)
Relations	2 303 (19%)	8 919 (75%)	655 (6%)

Ways with addr*	204	24 967	
Building	234 990	531 843	
Highway	121 985	254 402	
Landuse	13 648	92 744	
Name	32 606	482 404	
Natural	18 477	394 360	
Waterway	45 934	1 255 340	

The heatmap for *bdiscoe*

Your OSM Heat Map:

Copyright © Pascal Neis (neis-one.org)
Map data © [OpenStreetMap](https://openstreetmap.org/) contributors



OSM FIGHT

Copyright © Pascal Neis (neis-one.org)

tchaddad

twirth

Fight!



[tchaddad](#)

2 : 7

vs



[twirth](#)

Final Result: twirth wins!

ROUND 2: *Who has more GPS traces?*

(0 vs. 12) 0:2

ROUND 3: *Who contributed more highways?*

(480 vs. 6 124) 0:3

ROUND 4: *Who discussed more changesets?*

(0 vs. 3) 0:4

ROUND 5: *Who mapped more buildings?*

(10 829 vs. 75 449) 0:5

ROUND 6: *Who created more changesets with a comment?*

(99.4% vs. 98.5%) 1:5

ROUND 7: *Who deleted less OSM nodes?*

(6 230 vs. 6 587) 2:5

ROUND 8: *Who closed more OSM Notes?*

(0 vs. 4) 2:6

ROUND 9: *Who visited more countries?*

(8 vs. 56) 2:7

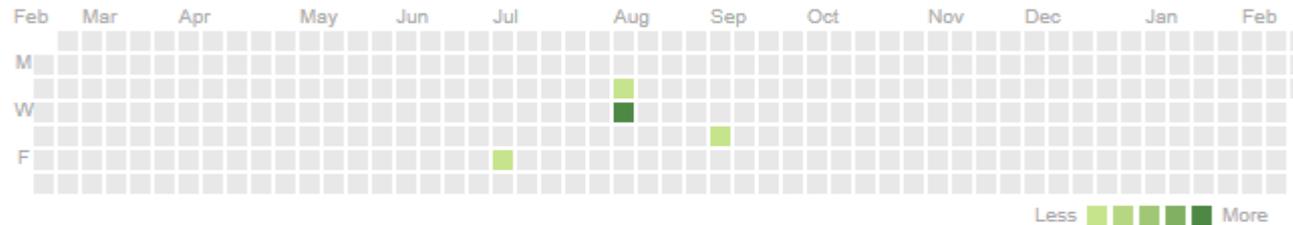
Registered: September 06th, 2014
Active mapping days: 17 (1.3%)
Changesets: 74
Map changes: 7 864
GPS-tracks: 0
Reviews: 0 & requested 0
Type? Newbie (Rarely Active)
Recent changesets: No activity



“Open” means more than the data is open

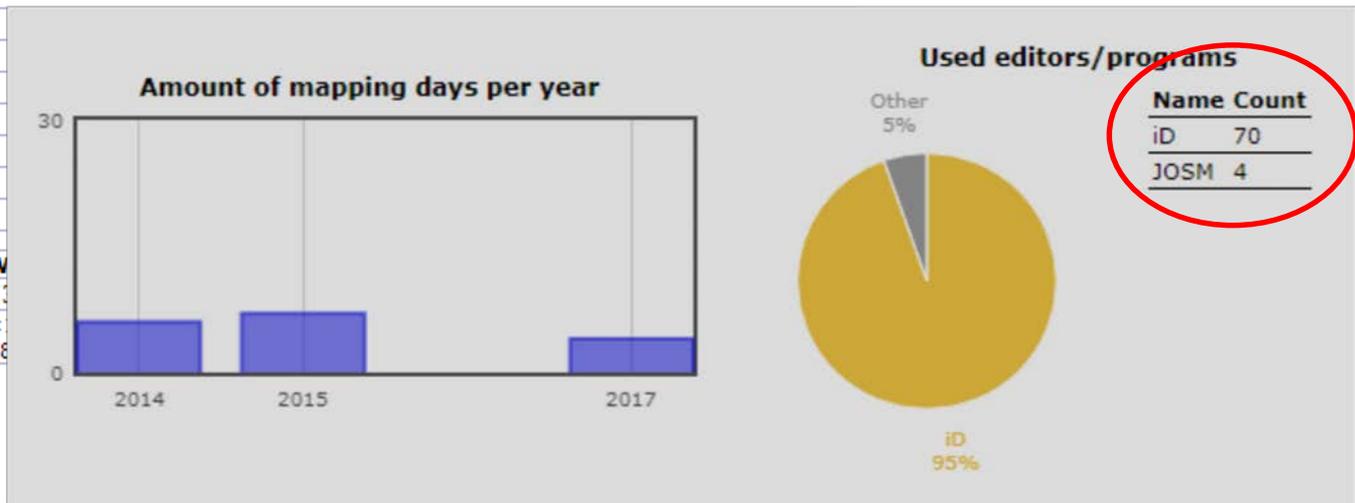
OSM Notes: Closed w/ comment 0 (w/o 0), commented 0 and 0 opened
Changeset discussions: Participated in 0 and [created 0 comments](#)

4 mapping days with 8 changesets in the last year



	Created	Modified	Deleted
Nodes	6 836 (97%)	158 (2%)	67 (1%)
Ways	739 (92%)	55 (7%)	7 (1%)
Relations	2 (100%)	0 (0%)	0 (0%)

Ways with addr*	
Building	
Highway	
Landuse	
Name	
Natural	
Waterway	
Changesets	Ways
74	739
Amount of map changes	< 28



Name Count	
iD	70
JOSM	4

The online Résumé of the user

Currently seeking new opportunities!

PRODUCTS

RESUME

LINKS

ABOUT

Executed GPS map spotting techniques and data input management for hurricane recovery parishes

SKILLS



HTML | python | SQL | Native English | Advanced Kiswahili | Basic French



URGENT

15 - Active Mappers

#4215 - Papua New Guinea Earthquake 1

SHARE

EDIT PROJECT

tasks.hotosm.org

Download: Aol as [.geojson](#), Tasks as [.geojson](#), [.osm](#), [.gpx](#)

Papua New Guinea was struck by a 7.5 magnitude Earthquake on February 25th.

Help provide a basemap for response and relief efforts by tracing mostly buildings, and some roadways, in the area near the epicenter of the earthquake. Mapping is fairly easy even for beginner mappers but note the instructions on imagery.

Status:	PUBLISHED	Created by:	russdeffner
Last updated:	12 minutes ago	Difficulty:	BEGINNER
Priority:	URGENT	Type(s) of mapping:	ROADS BUILDINGS
Organisation:	HOT	Campaign:	Disaster Response
Mapper level required:	No	Validator role required:	No

- [Instructions](#)
- [Map](#)
- [Validate](#)
- [Questions and Comments](#)

Instructions

Entities to map

Buildings mostly, major roads if missing

Changeset Comment

#hotosm-project-4215 #PNGQuake2018 #PapuaNewGuinea Missing buildings and roads,





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JOSM is an extensible editor for [OpenStreetMap](#) (OSM) for [Java 8+](#).

It supports loading GPX tracks, background imagery and OSM data from local sources as well as from online sources and allows to edit the OSM data (nodes, ways, and relations) and their metadata tags.

JOSM is [open source](#) and licensed under [GPL](#) .

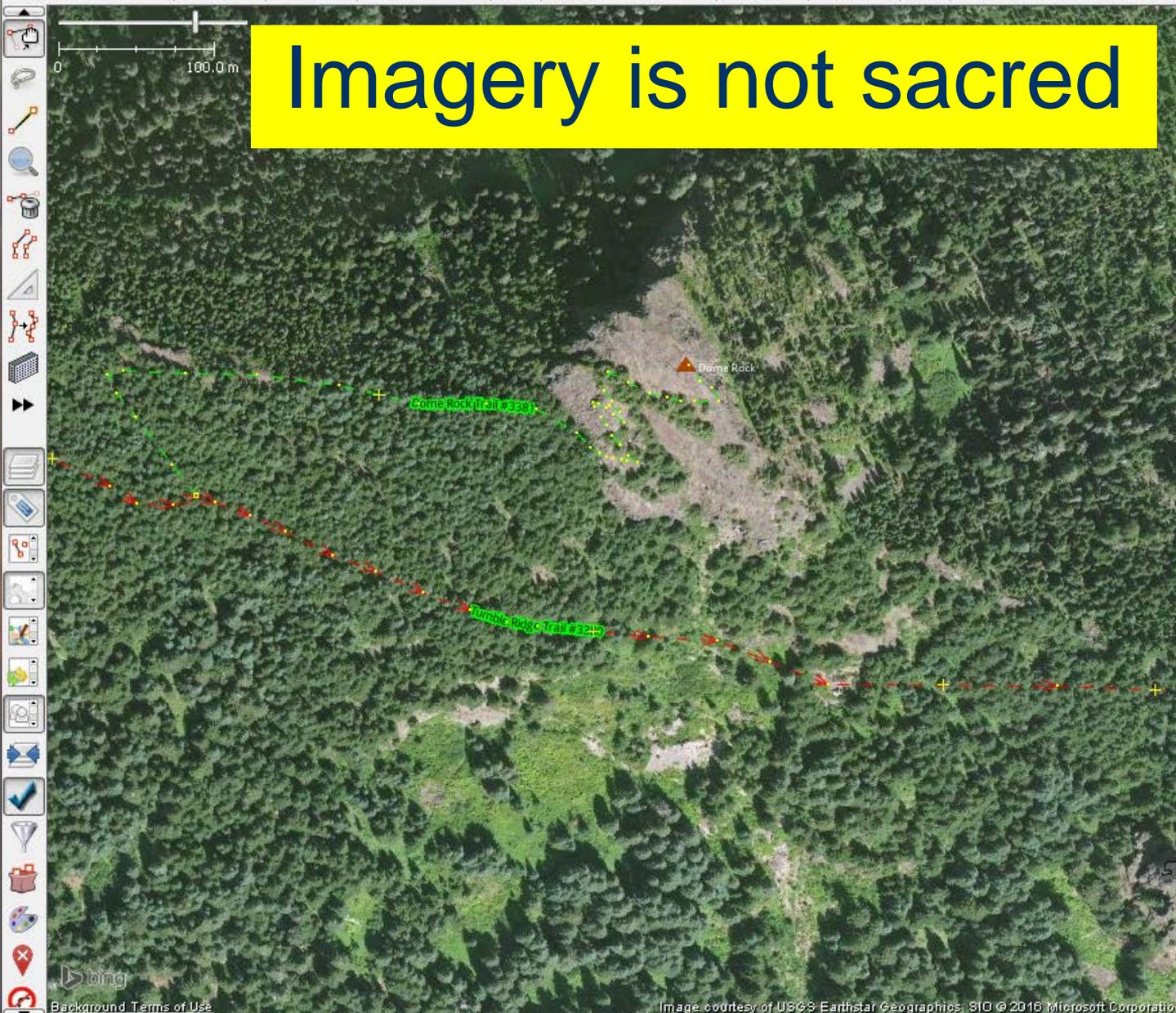
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 [Launch josm.jnlp](#) (version 13367)



Imagery is not sacred



Layers

- Validation errors
- Data Layer 1
 - DomeRock2.jpg
 - Bing aerial imagery

Tags: 4 / Memberships: 0

Key	Value
fixme	improve alignment with GPS
highway	path
name	Tumble Ridge Trail #3380
surface	dirt

Relations: 1

- boundary ("Willamette National Forest", 281 member)

1 Author

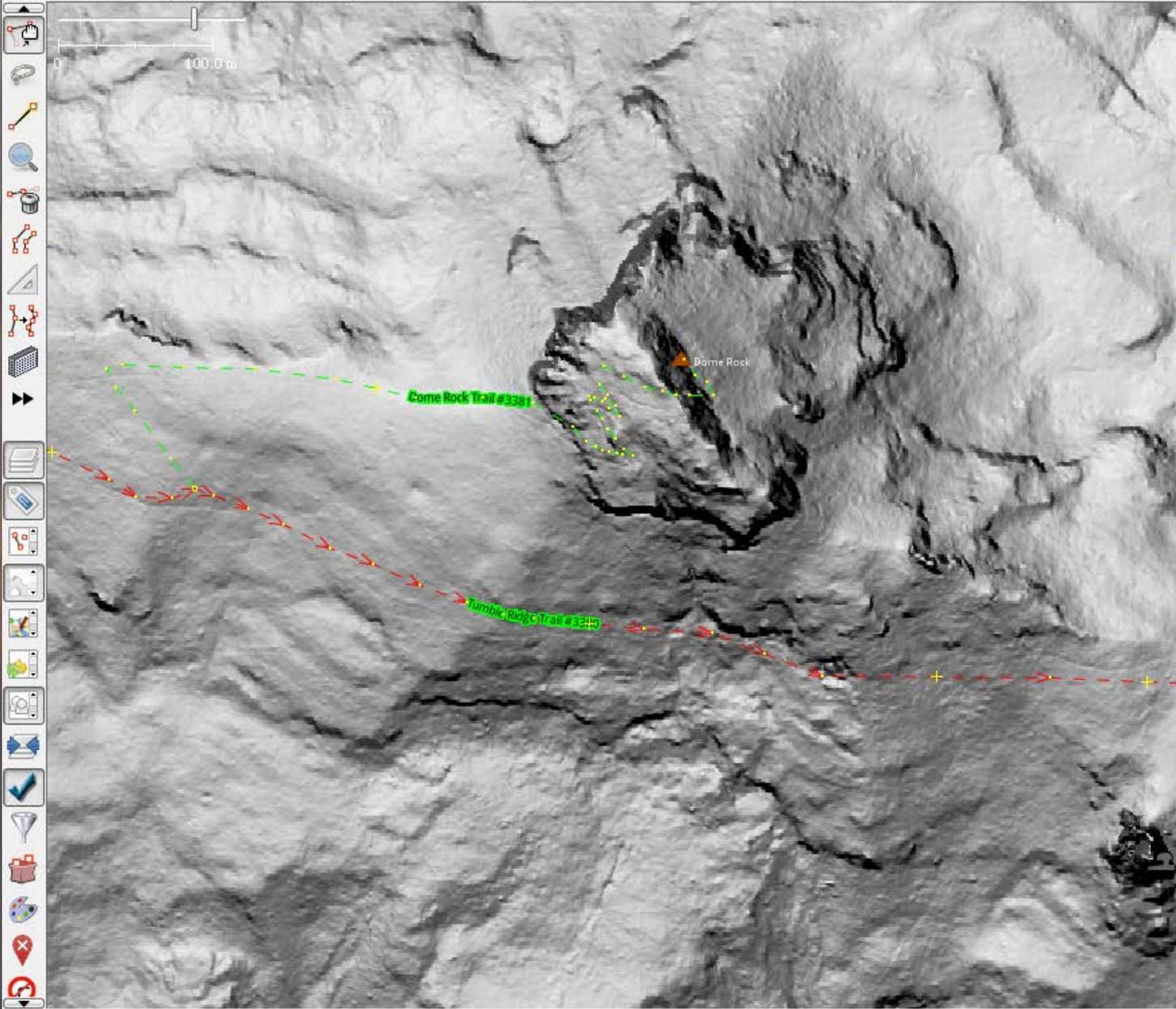
Author	# Objects	%
Palolo	1	100%

Validation Results

44.7546327 -122.2042918 (no object)

Image courtesy of USGS Earthstar Geographics 310 © 2015 Microsoft Corporation

Move objects by dragging; Shift to add to selection (Ctrl to toggle); Shift-Ctrl to rotate selected; Alt-Ctrl to scale selected



Layers

- Validation errors
- Data Layer 1
- DomeRock2.jpg
- Bing aerial imagery

Tags: 4 / Memberships: 0

Key	Value
fixme	improve alignment with GPS
highway	path
name	Tumble Ridge Trail #3380
surface	dirt

+ Add Edit Delete

Relations: 1

- boundary ("Willamette National Forest", 281 member)

1 Author

Author	# Objects	%
Palolo	1	100%

Select Show info

Validation Results

Sel... Lo... Val... Fix Ign...

GPS is not sacred

GPS track
& lidar

Santiam State Forest

