

What is OpenStreetMap?

- OpenStreetMap is often called the Wikipedia of maps.
- At its core, OpenStreetMap is grassroots mapping.
 - Regular citizens working together to create the greatest free map of the world.
- OpenStreetMap offers <u>free data</u> under the Open Data Commons Open Database License.

Licensure for data that means...

You are free:

- To Share
- To Create
- To Adapt

As long as you:

- Attribute
- Share-Alike
- Keep open



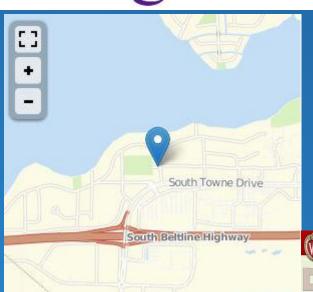
Why Contribute to OSM?

- Who knows your neighborhood better than you? Or your commute route? Or your favorite bike path? Or your local coffee shop?
- OpenStreetMap allows people like you to share local knowledge that makes the best map possible.

Who Uses OSM Data? Examples:

Fahrenbrook Court

craigslist



© craigslist - Map data © OpenStreetMap



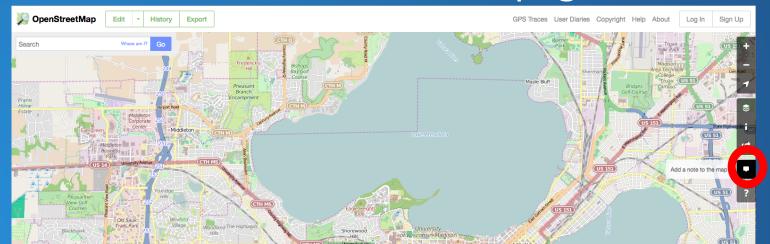


Lot 91

Data @ OpenStreetMap (and) contributors, CC-BY-SA

How to Contribute to OSM

- Go somewhere:
 - Take a GPS receiver and log your route.
 - Use Walking Papers or Field Papers and manually annotate features.
- Trace satellite imagery.
- Add a note on the OSM homepage.



Humanitarian OSM Team (HOT)

- HOT is an associated project of OSM.
- HOT provides maps for:
 - Disaster response
 - Disaster preparedness
 - Disaster risk reduction
 - Development
- Work is performed around the world by tracing, complemented with on-ground responders and natives.

Why Map for HOT?

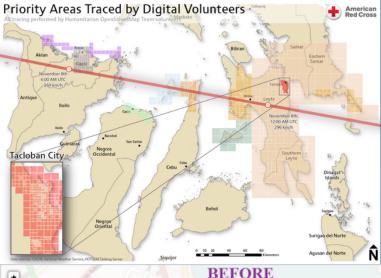
- Mapping allows response coordinators to determine where to prioritize resources.
- Workers are provided with paper maps and offline data for smartphones and gps units to access locations and estimate population.
- Pre and post-damage assessments are completed from map data.

Haiti Earthquake 2010

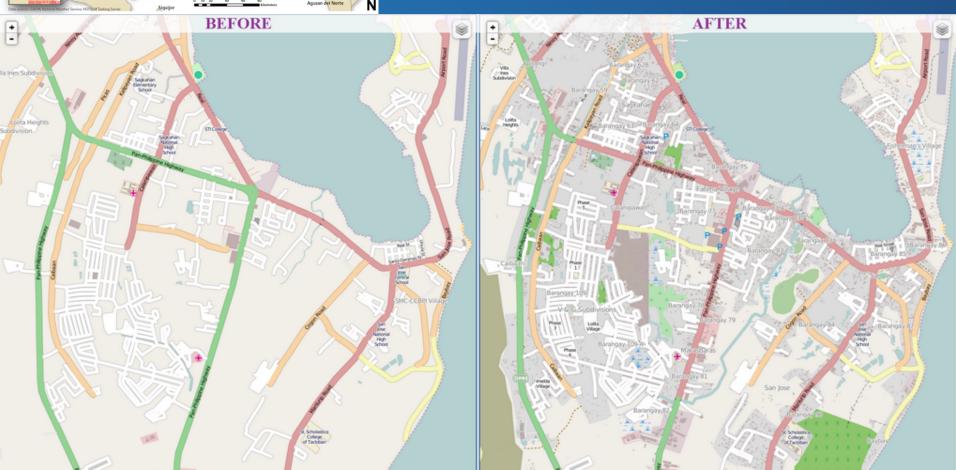


Philippines Typhoon Haiyan

- November 7th, 2013: Initial activation and 10,000 buildings traced in the first day.
- November 8th: Typhoon Haiyan passes over.
- By November 15th: 900 mappers contributed more than 2 million objects to the map.



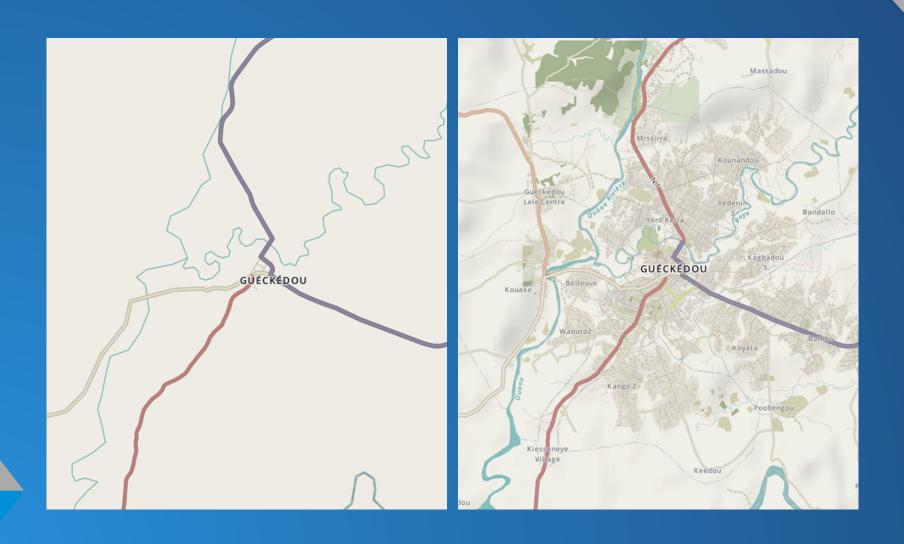
Philippines: Typhoon Haiyan



West Africa: Ebola

- Started in March 2014 to mobilize against a very contagious and deadly epidemic.
- Priority is to locate, isolate, and trace suspected cases.
- Response difficult due to lack of map data in the region and heavily forested areas.

West Africa: Ebola



Philippines Typhoon Ruby

Search for a specific Comment:

Go!

(min. 3 and max. 16 characters)

Information for #ruby

Number of OSM Contributors: 161 Number of Map Changes: 292,886 Total number of Changesets: 3,534 (Display Limit is 4,000 Changesets)

hide large Changesets

Number of Changesets

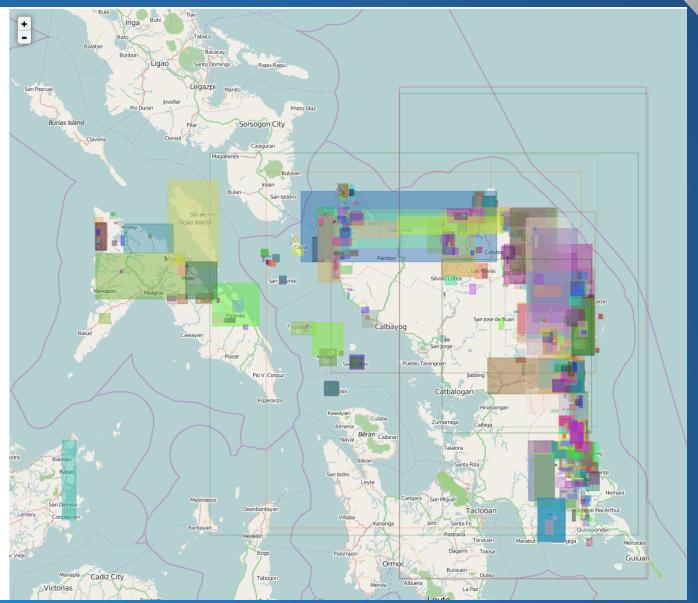


Number of Contributors



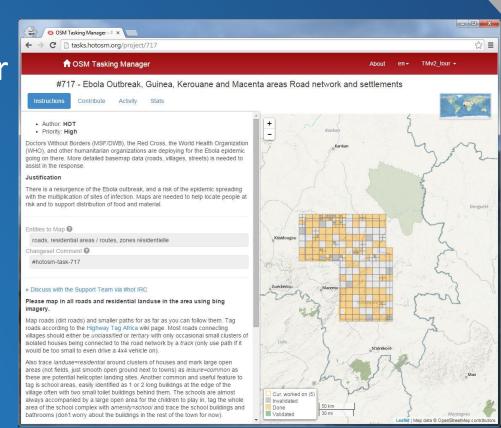
TOP 5 Countries (Map Changes)

- 1. (290,149)
- 2. (2,581)
- 3. 🔤 (102)
- 4. 🚞 (54)



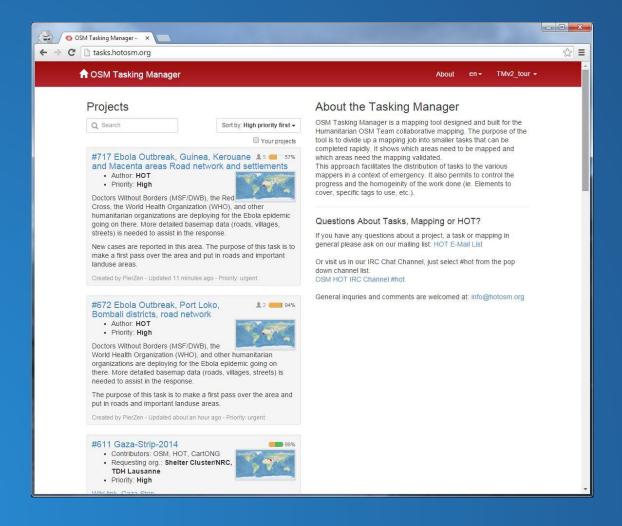
Logistics of Disaster Mapping

- Mapping is coordinated through a tasking manager that partitions areas to be mapped into small tiles.
- Instructions are provided for mapping priorities.
- Once completed, tiles are then validated by users.
- TM maintained by volunteers on GitHub.



How to Map for HOT

Log in at http://tasks.hotosm.org and pick a task!



Map Editing with Carl

http://tasks.openstreetmap.us