

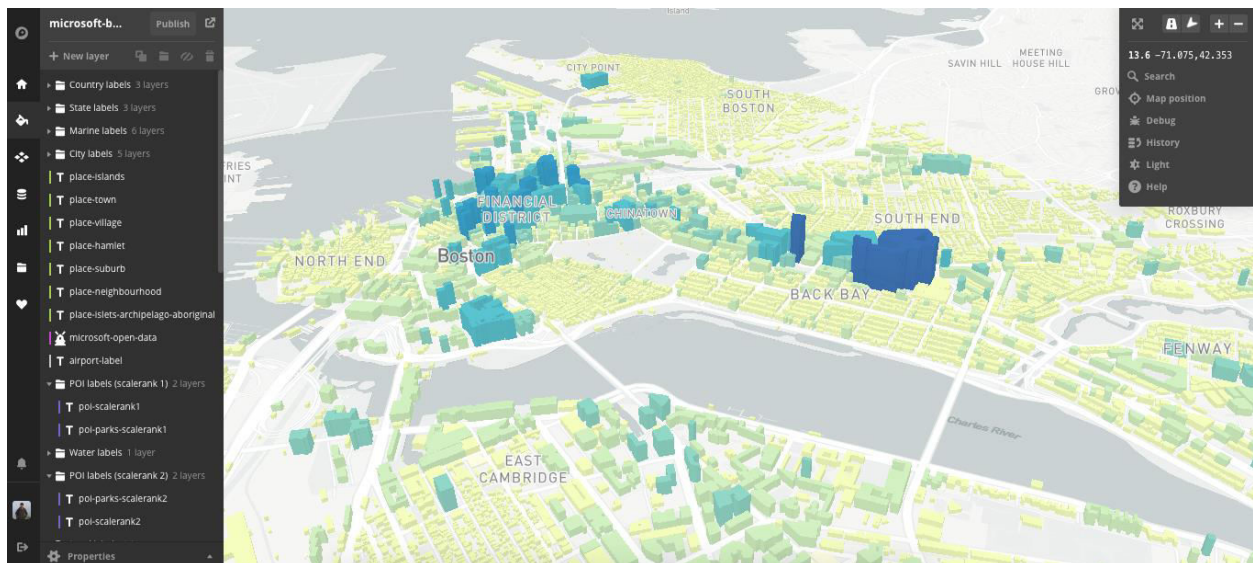


HOT Mapathon

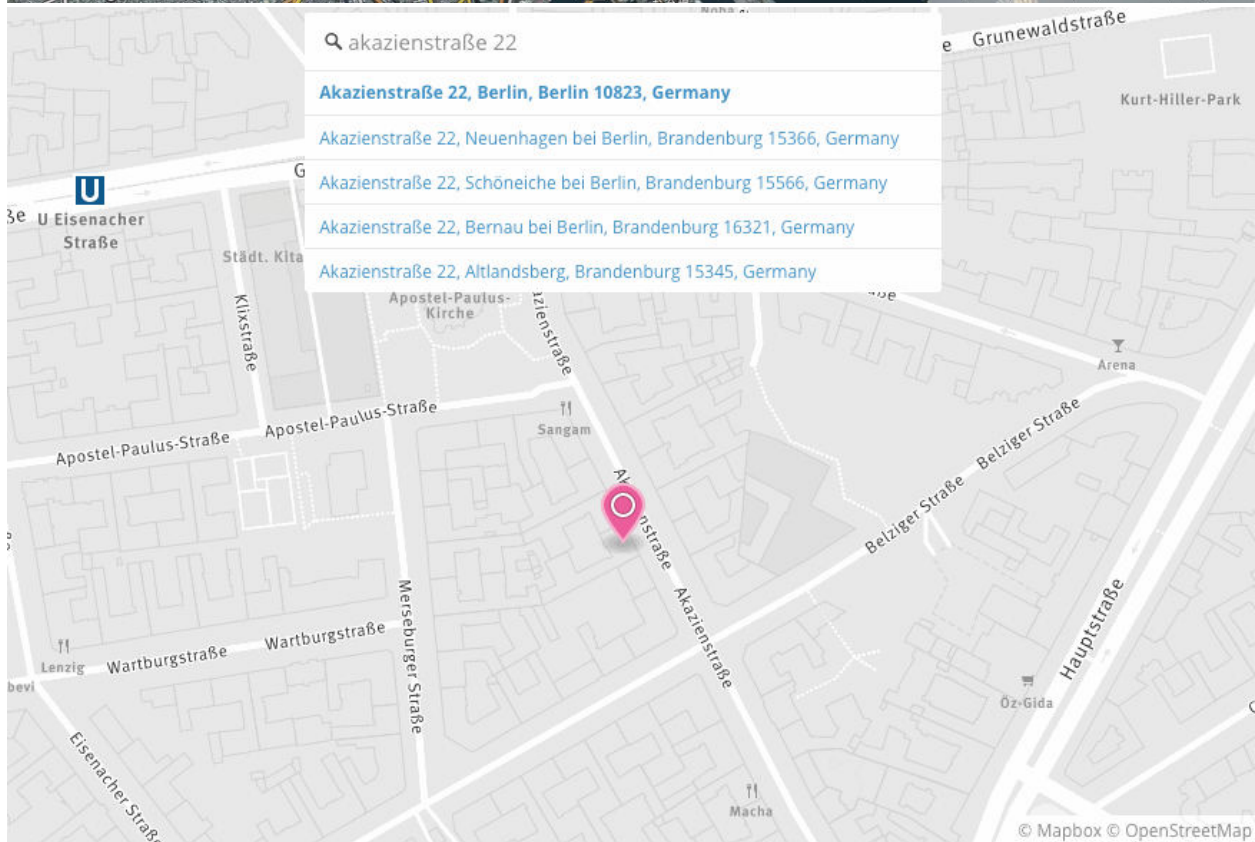
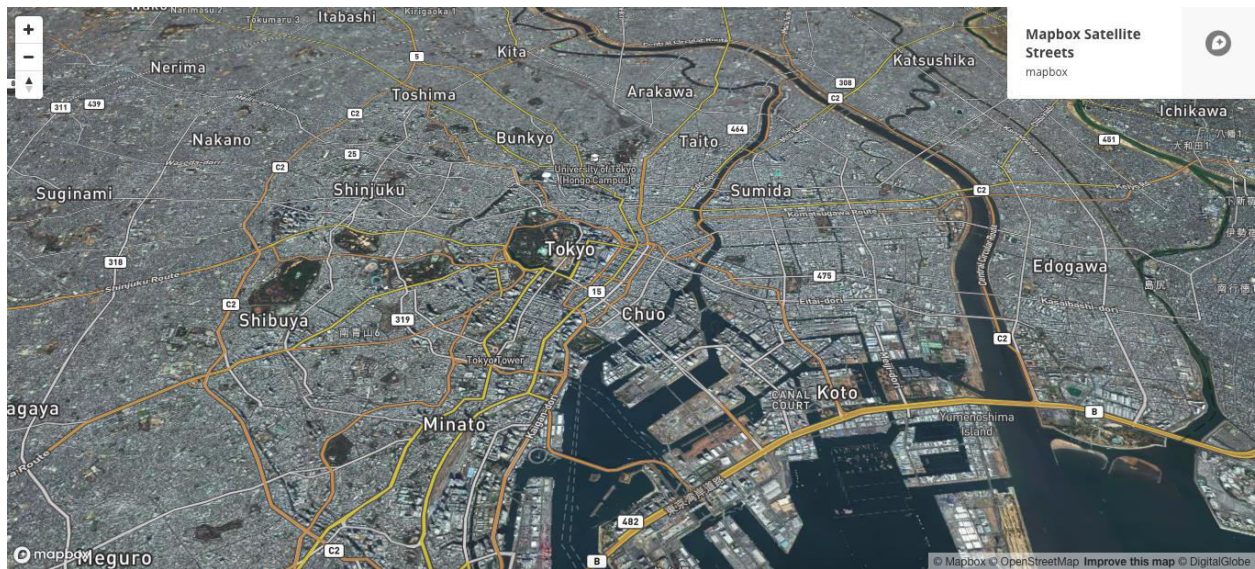
Mapbox, 21 July 2017, Bengaluru

The Agenda of the Workshop

- Introduction to Mapping and OpenStreetMap (OSM)
- Intro to Humanitarian OpenStreetMap Team (HOT)
- Hands on session: Mapping
- Break: 5:45 - 6:00 for Soda/Snacks 
- Map more
- End by 6:45
- Yaay! We did it. 
- Lightening talks



<https://player.vimeo.com/video/222278154>





What is OpenStreetMap?

OpenStreetMap - Wikipedia of maps. It is free and open map of the real world.

<https://www.youtube.com/watch?v=7sC83j6vzjo&>

When did it started?

Steve Coast in 2004 (Marks 13 years of Open Mapping on 13th August 2017)

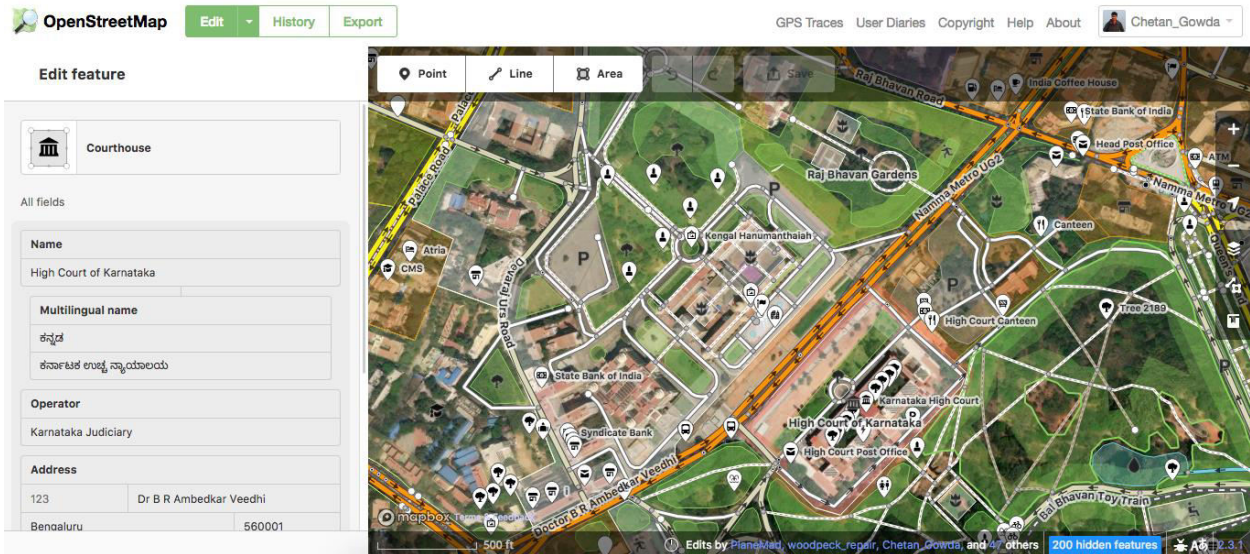
Hosted at **University College London (UCL)** and **Imperial College London (ICL)**.

Why OpenStreetMap?

- 1 License/Copyright issues
- 2 Geodata is expensive
- 3 Errors

Editors

- 1 **iD** Default Editor (Browser Editor)
- 2 **Potlatch 2** (Browser Editor)
- 3 **Java OpenStreetMap Editor (JOSM)** - Desktop app

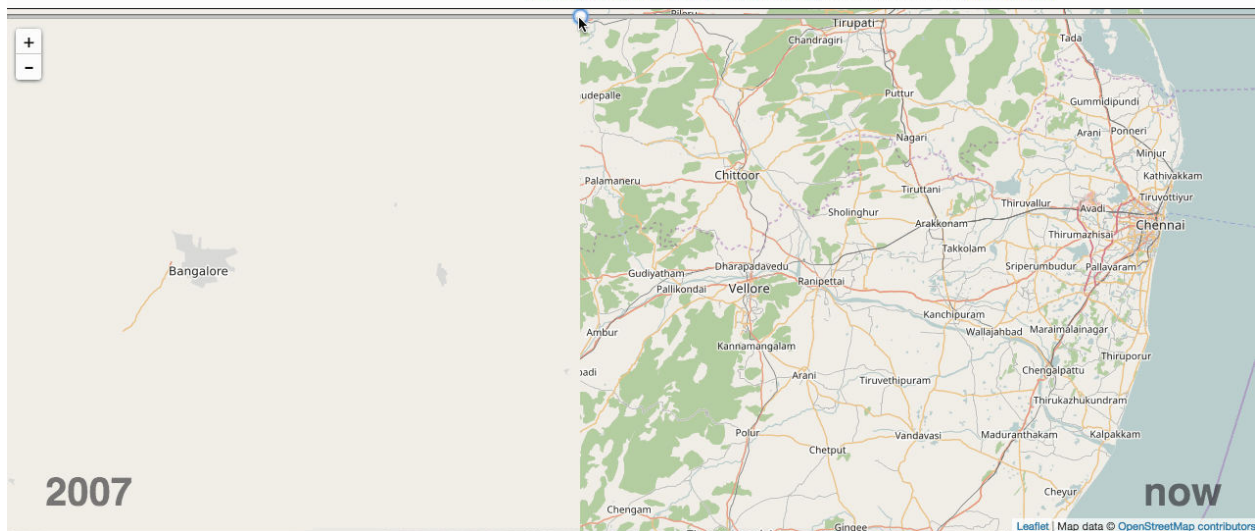


Good Practice

- Map what's there on the ground
- Do not map **temporary things** and **historic events**
- Do not **DELETE** other's work

OSM Then And Now

To the left you see OSM data as it was in early October 2007. To the right you see the current state. Use the slider to see more of the one or the other.
Please be gentle and be patient. The tiles will load eventually. A thing by Martin van Exel / [fork me on GitHub](#)



[HOT OSM](#)



Humanitarian
OpenStreetMap
Team



Haiti Earthquake 2010

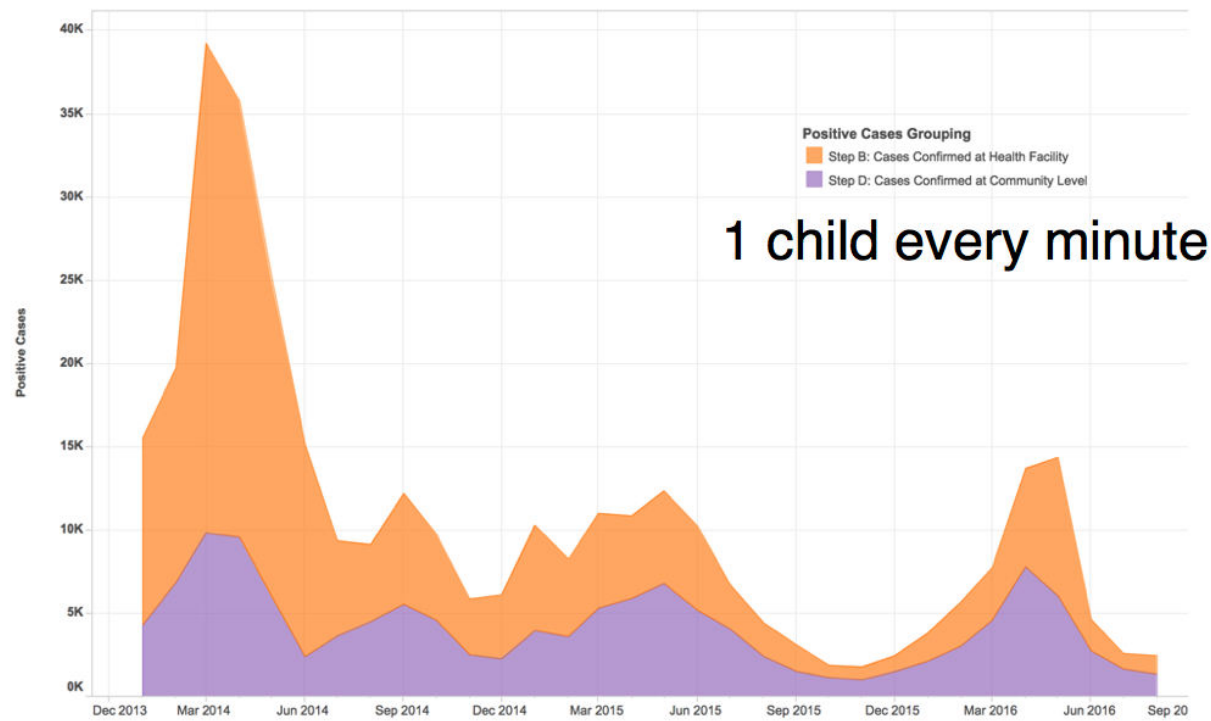




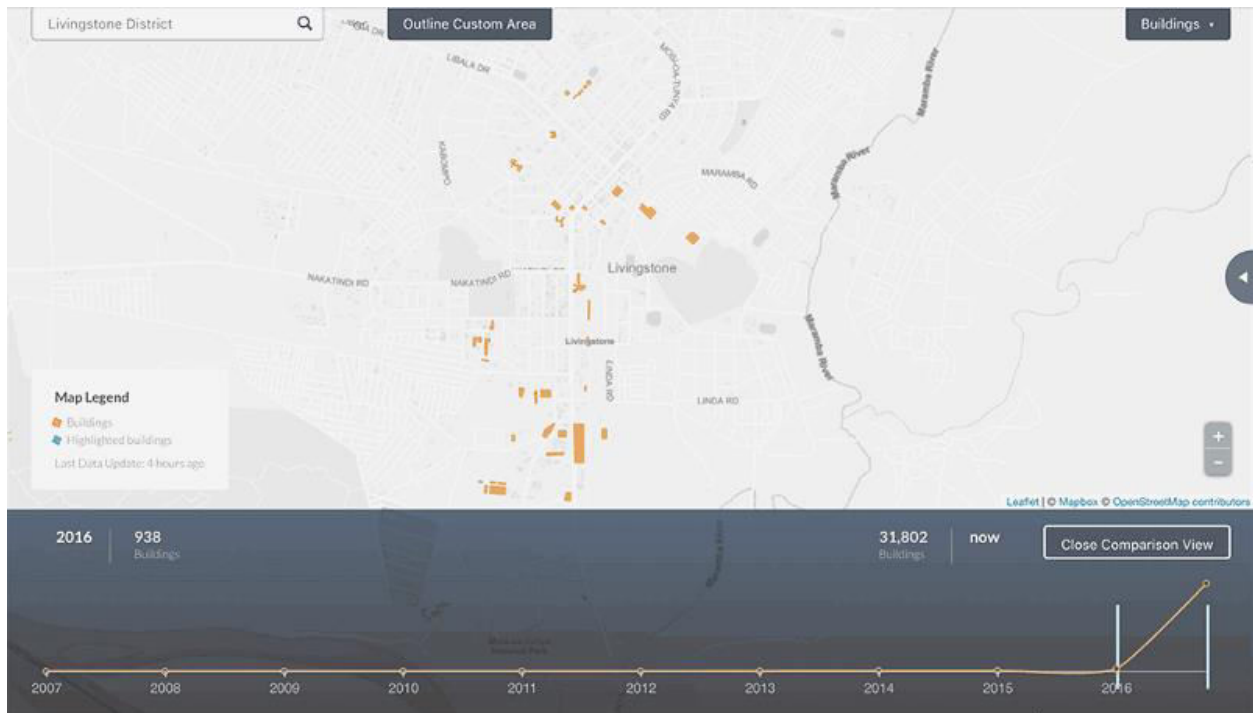
Nepal Earthquake 2015



Southern Province Confirmed Malaria Cases



Visualize No Malaria



Malaria Elimination

Secure <https://www.mapbox.com/malaria-mapping/#5.8/-19.036/24.323>

Apps Welcome to Mapbo... Upendra: Welcome... Issues · mapbox/hey Issues · mapbox/data Issues · mapbox/india Issues · mapbox/ma... Issues · mapbox/out 2016-08-11: Array...

Malaria Elimination Mapping

Volunteers from all over the world are contributing to eliminate malaria by mapping buildings of impacted communities. Mapping data helps to inform malaria prediction models, and deploy resources in communities like spraying campaigns.

[Start mapping now →](#)

112,191
buildings mapped by Dec 8, 2016

►

Mapping Projects

- Zambia
- Botswana

<https://www.mapbox.com/malaria-mapping/#5.8/-19.036/24.323>

Enumeration enables malaria programs to have a better sense of where at-risk populations are living, to improve quantification and targeting of intervention, and to track cases in communities

Malaria Elimination USE CASES:
Housing improvement/ mosquito proofing
Community health worker allocation
Bed-net distribution
Active household-case investigation
Foci investigation
Household surveys
Vaccination campaigns
Indoor Residual Spraying

Tasking Manager

About
English
upendrakulkonda

#3231 - Missing Maps: Cambodia Malaria Elimination 3

[Description](#)
[Instructions](#)
[Contribute](#)
[Activity](#)
[Stats](#)

Entities to Map

buildings

Change your Comment

#hotsm-project-3231 #MissingMaps #EliminateMalaria #Cambodia

When saving your work, please leave the default comment but add what you actually mapped, for example "edited buildings and a residential road".

Project Specific Mapping Notes

- Some of these squares may already be partially or fully mapped, please review and map missing features if needed, fix up the existing mapping, or just mark it "Done" if already complete.
- This project was created using data from a Mapswipe campaign, therefore the task shapes are irregular and task boundaries will not load automatically in JOSM and some other editors. To show the task shapes, you will need to download a GPX file and add it to your editor: [Cambodia 3 Task Boundaries](#) (right-click and save as).

Imagery Notes

- Please use the Bing imagery as it was used during the Mapswipe campaign to identify the areas with structures, you are encouraged to compare with DigitalGlobe or Mapbox services as well.
- View this video demonstration of imagery alignment in iD

Buildings

- Please accurately outline all the buildings you can find. The outline should be for the full size of the building even if it is partly covered by trees in the imagery.
- Most buildings are rectangular, after drawing the outline, use the 's' key in the iD web editor to "square" the corners.
- For circular buildings there is the 'o' key in the iD editor to create a circular structure.
- Many buildings are very close, but do not actually touch each other, try to map them close to each other without letting them connect or share nodes with each other, roads or residential area outlines. In the iD web editor, holding down the "alt" key will keep nodes of "snapping" to each other and accidentally connecting.
- In the iD web editor, the first time you map a building you will use the "Building Features" category and then at the top of the list select "Building" again, this is the most generic building tag we can use as we almost never can tell the more specific use of any building from imagery alone.

Leaflet | Map data © OpenStreetMap contributors

<http://a.mbx.io/hotmapathon>

<https://gist.github.com/chtnha/88bb04499d08eedb484e6cc308ae65b0>