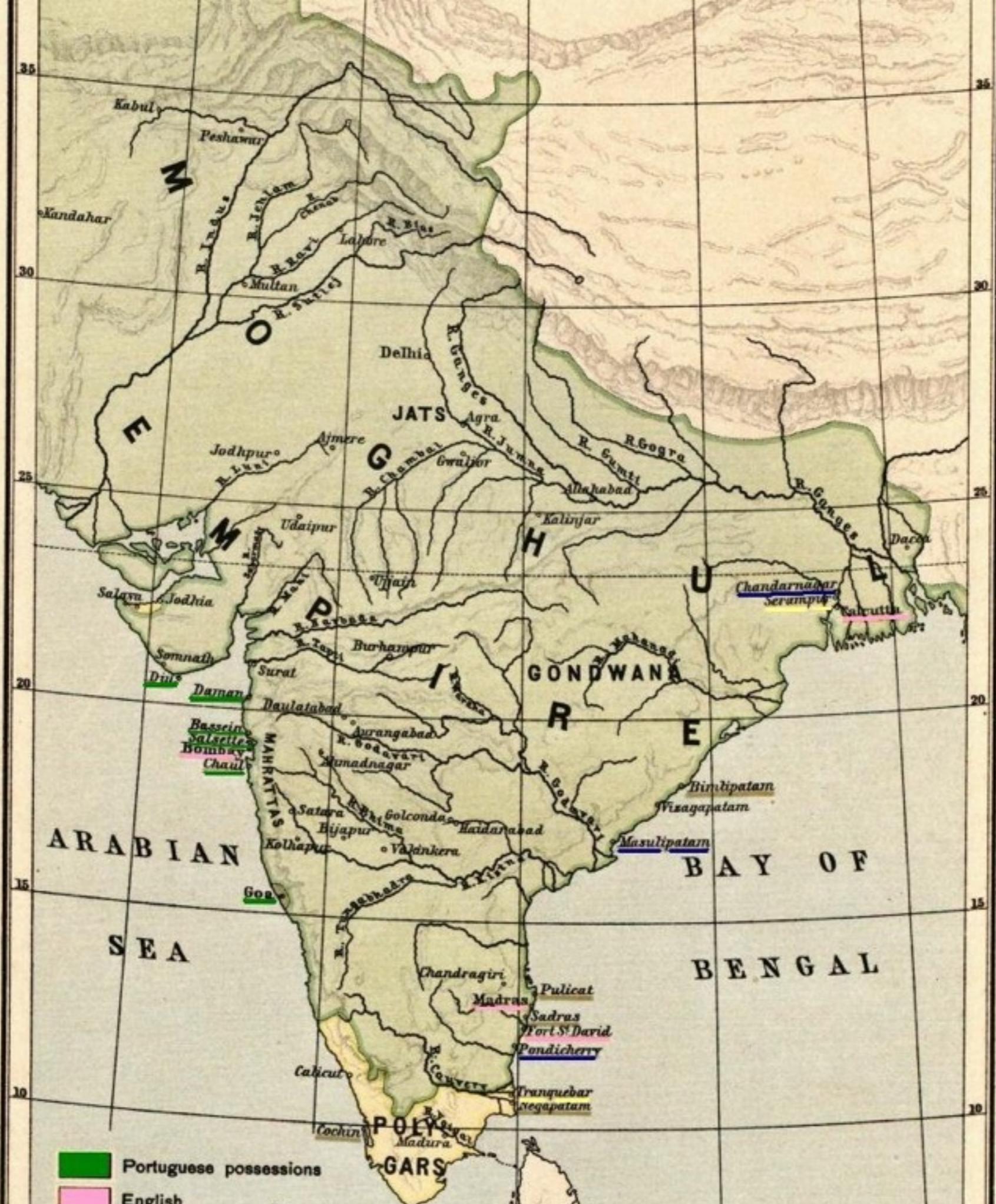


STATE OF THE MAP INDIA

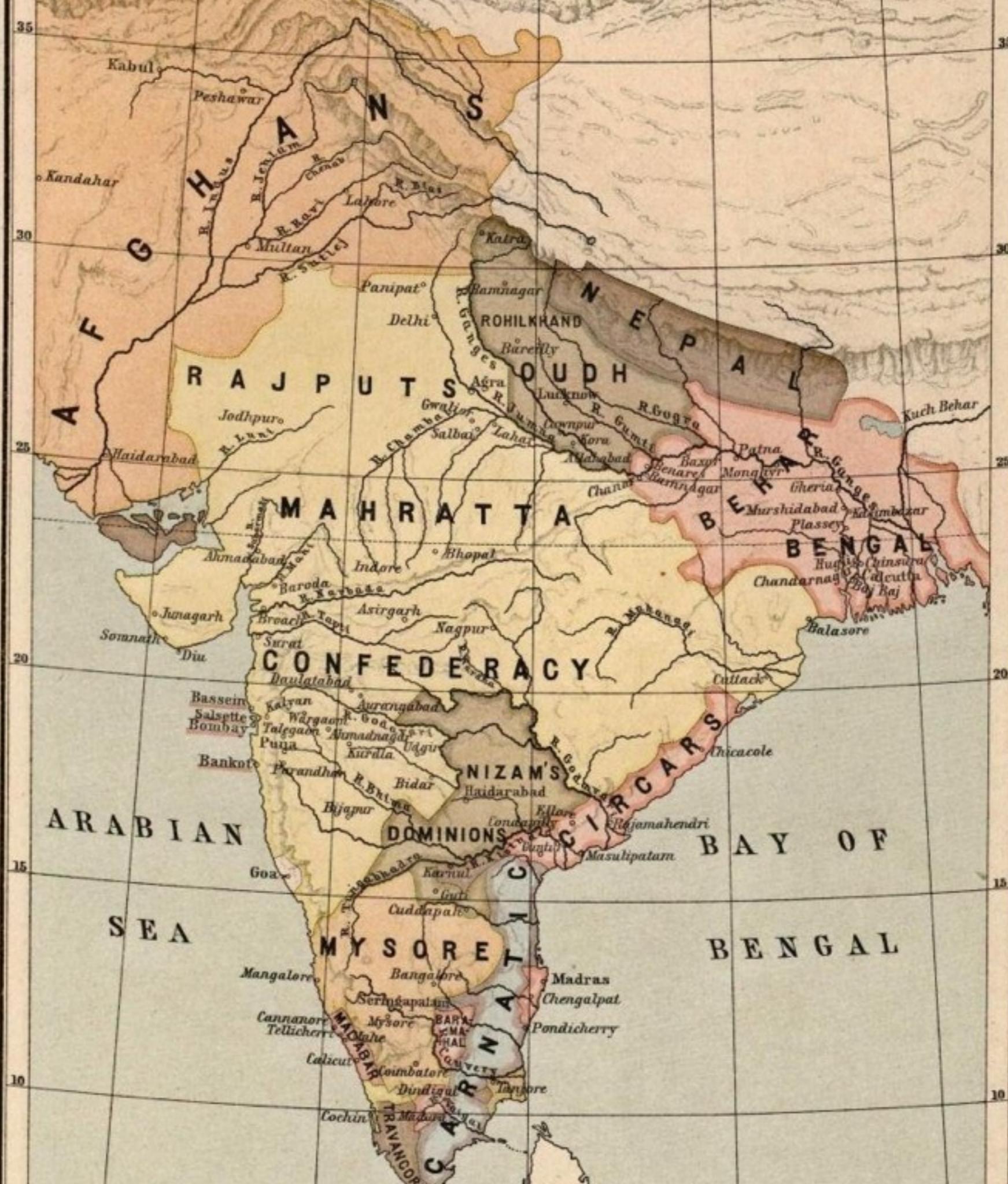
OSM - @srividya_c
twitter - @srividyacb
@mapbox

- ★ History of map making in India
- ★ How OpenStreetMap is growing in India
- ★ What is the current status of the data
- ★ How Contributors are mapping
- ★ What are the possible application of OpenStreetMap in India
- ★ Where to improve more
- ★ Hurdles



Portuguese possessions

English



INDIA 1765

English Miles
0 50 100 150 200 250 300 350 400



The Great Trigonometrical Survey India

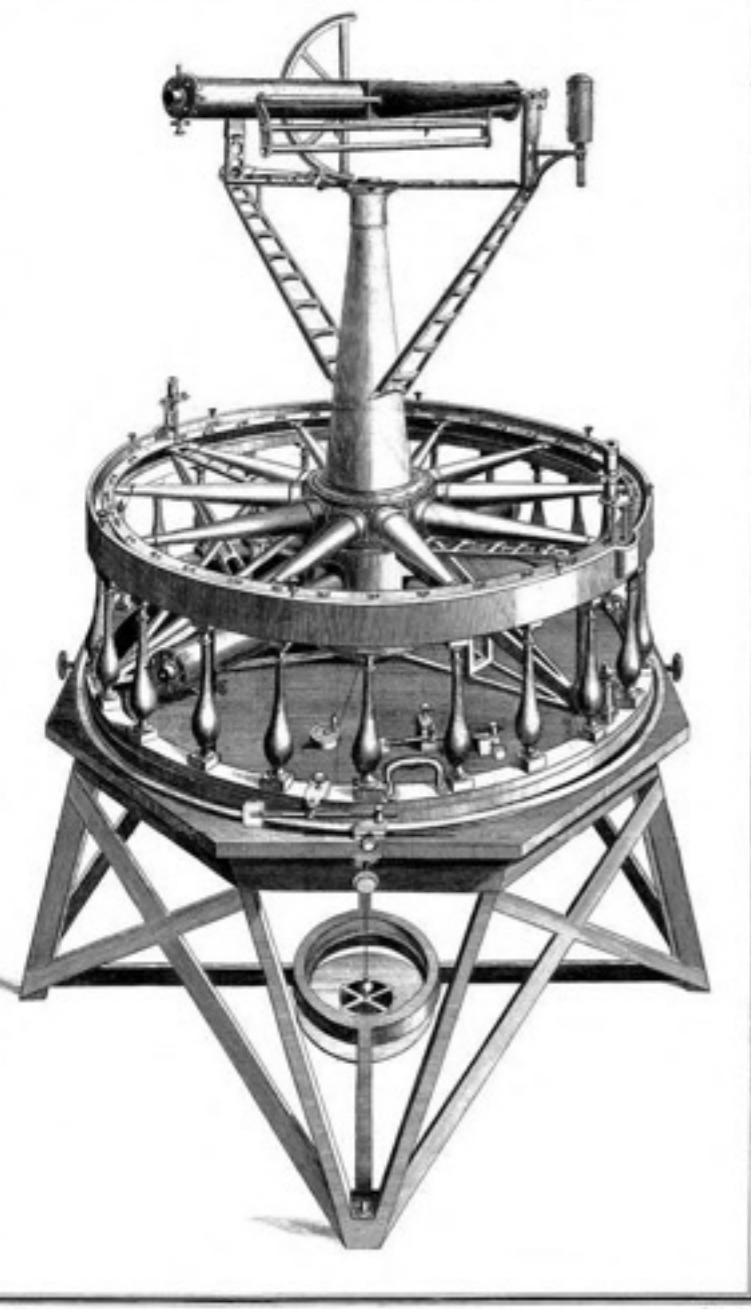
INDEX CHART
TO THE
GREAT TRIGONOMETRICAL SURVEY
OF
INDIA

SHOWING COLONEL LANISTER'S NET-WORK OF TRIANGULATION IN SOUTHERN INDIA,
THE MERIDIANAL AND LONGITUDINAL CHAINS OF PRINCIPAL TRIANGLES,
THE BASE LINES MEASURED WITH THE COLOM APPARATUS,
THE LINES OF THE SPIRIT-LEVELLING OPERATIONS,
THE ASTRONOMICAL PENDULUM & TIDAL STATIONS,
AND THE SECONDARY TRIANGULATION TO FIX THE PEAKS OF
THE HIMALAYAN & THE SOOLIMANI RANGES.

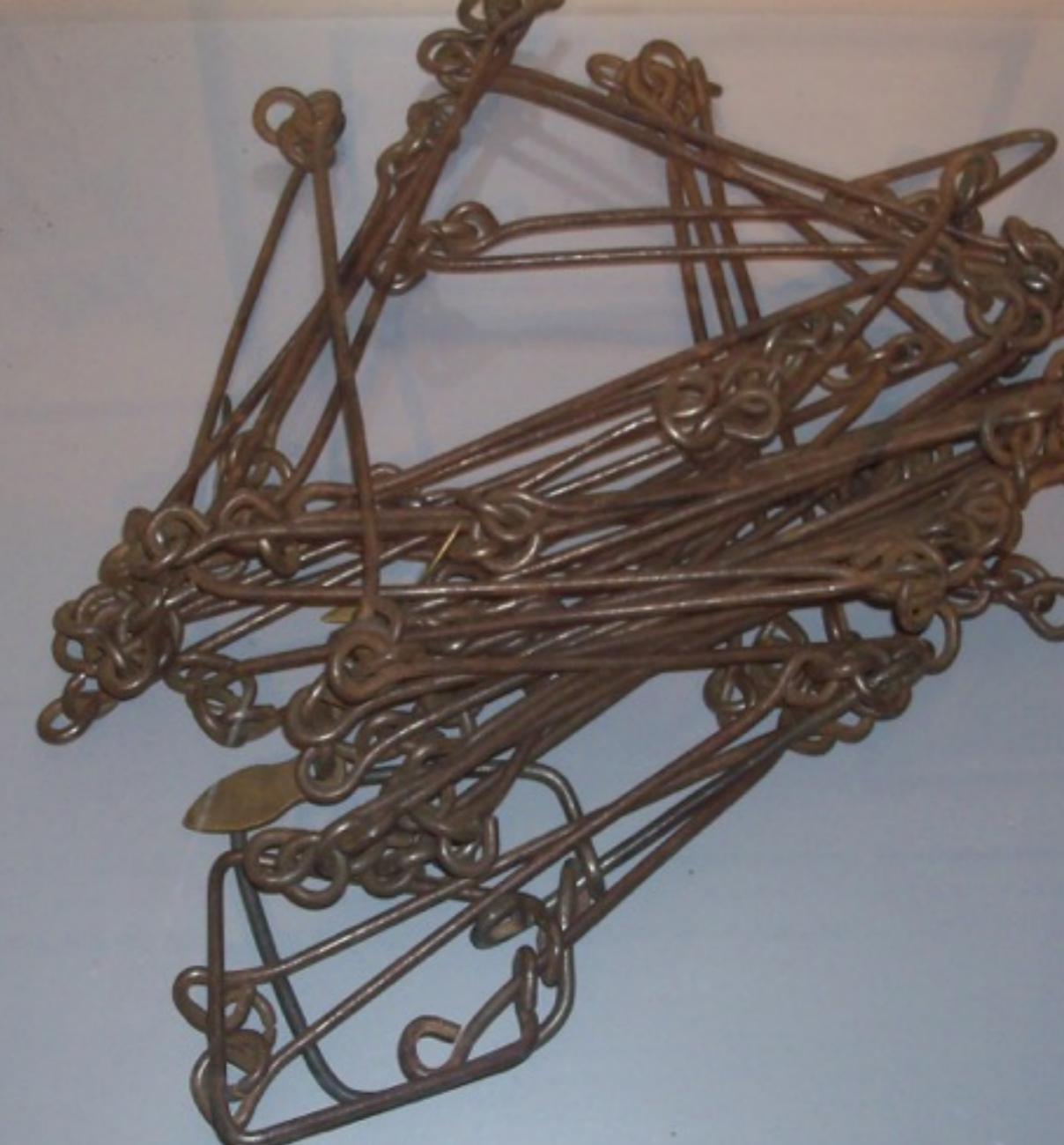
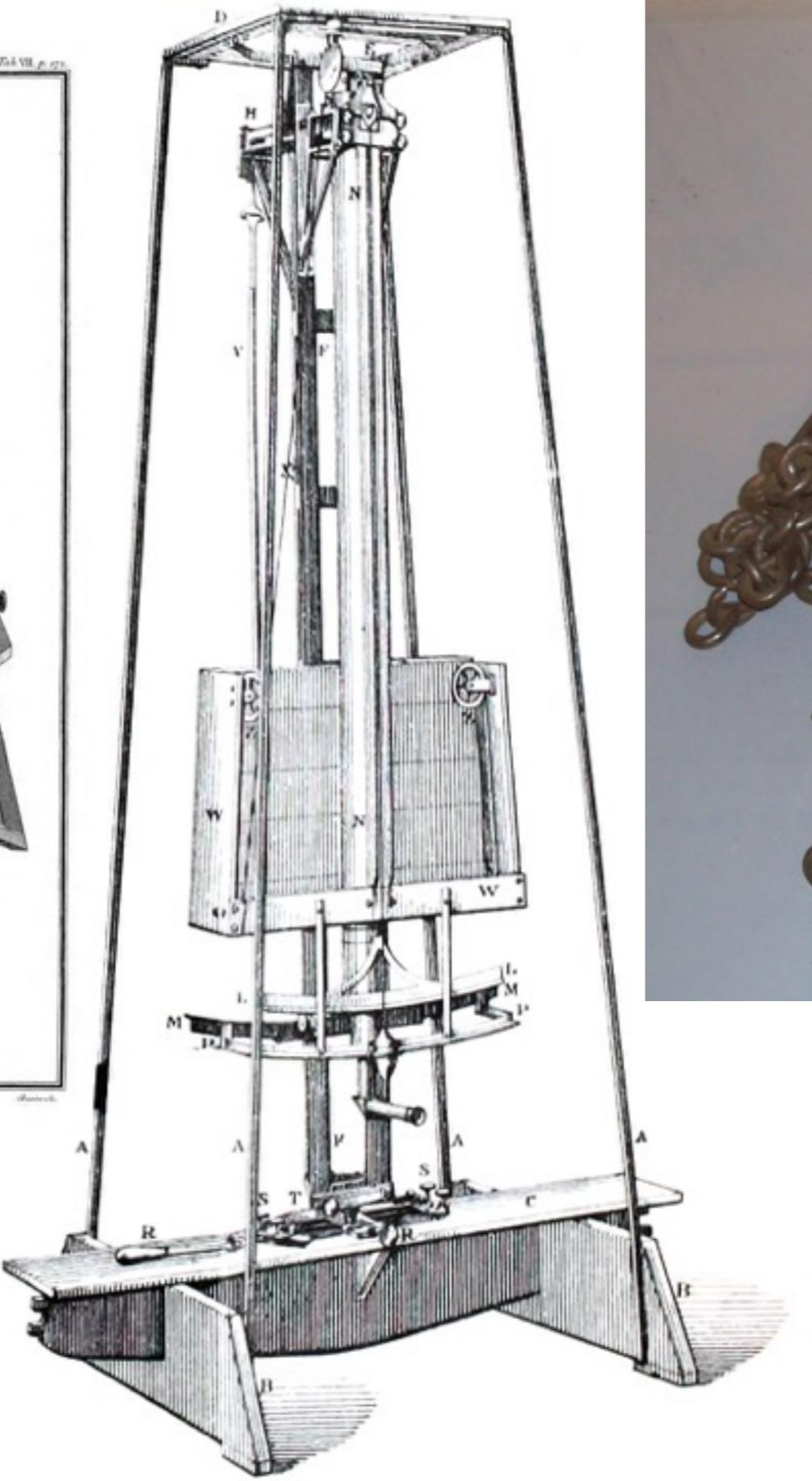
Compiled to 1st May 1890.



Philos Trans Vol. LXXX. Tab VII. p. 175.



General View of the Instrument.



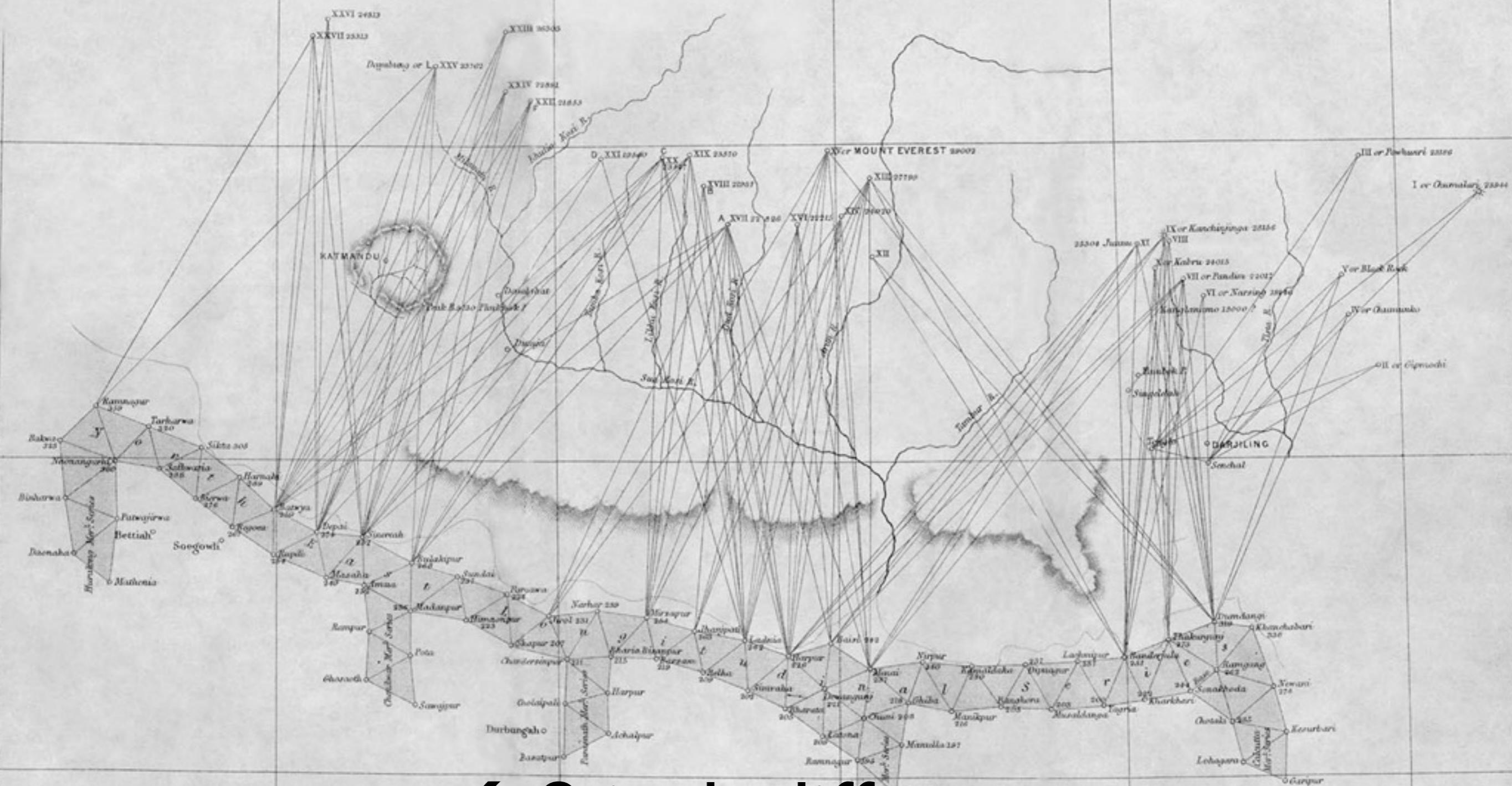
700 people
70 years

Map

To Illustrate Col. A. S. Waugh's Paper
on
MT EVEREST & DEODANGA.

Scale 32 Miles to an Inch.

Mount Everest



6-8 inch difference

भारत का प्राकृतिक मानचित्र

PHYSICAL MAP OF INDIA



OpenStreetMap in India



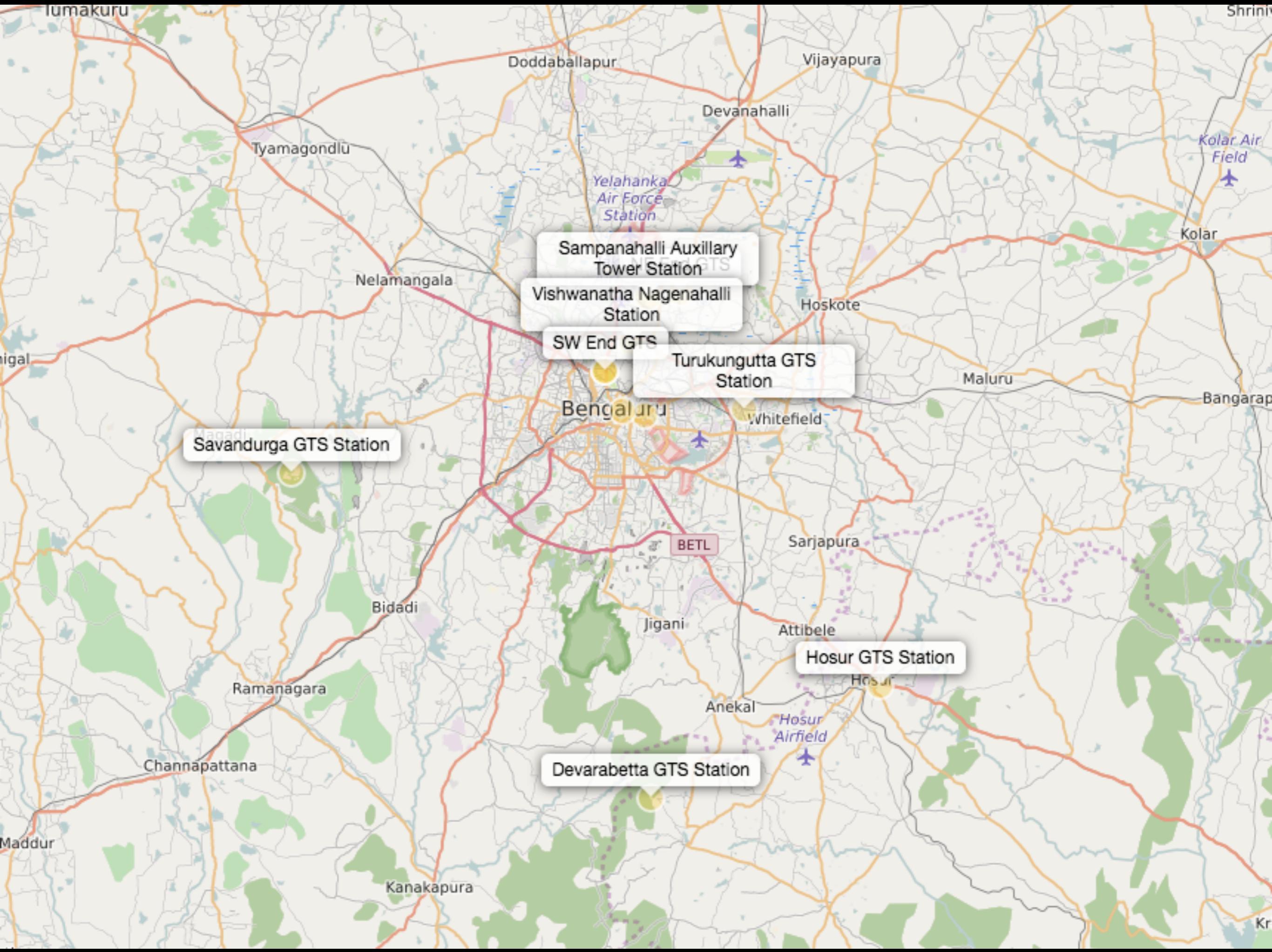
India in 2008

Beginning of OpenStreetMap in India

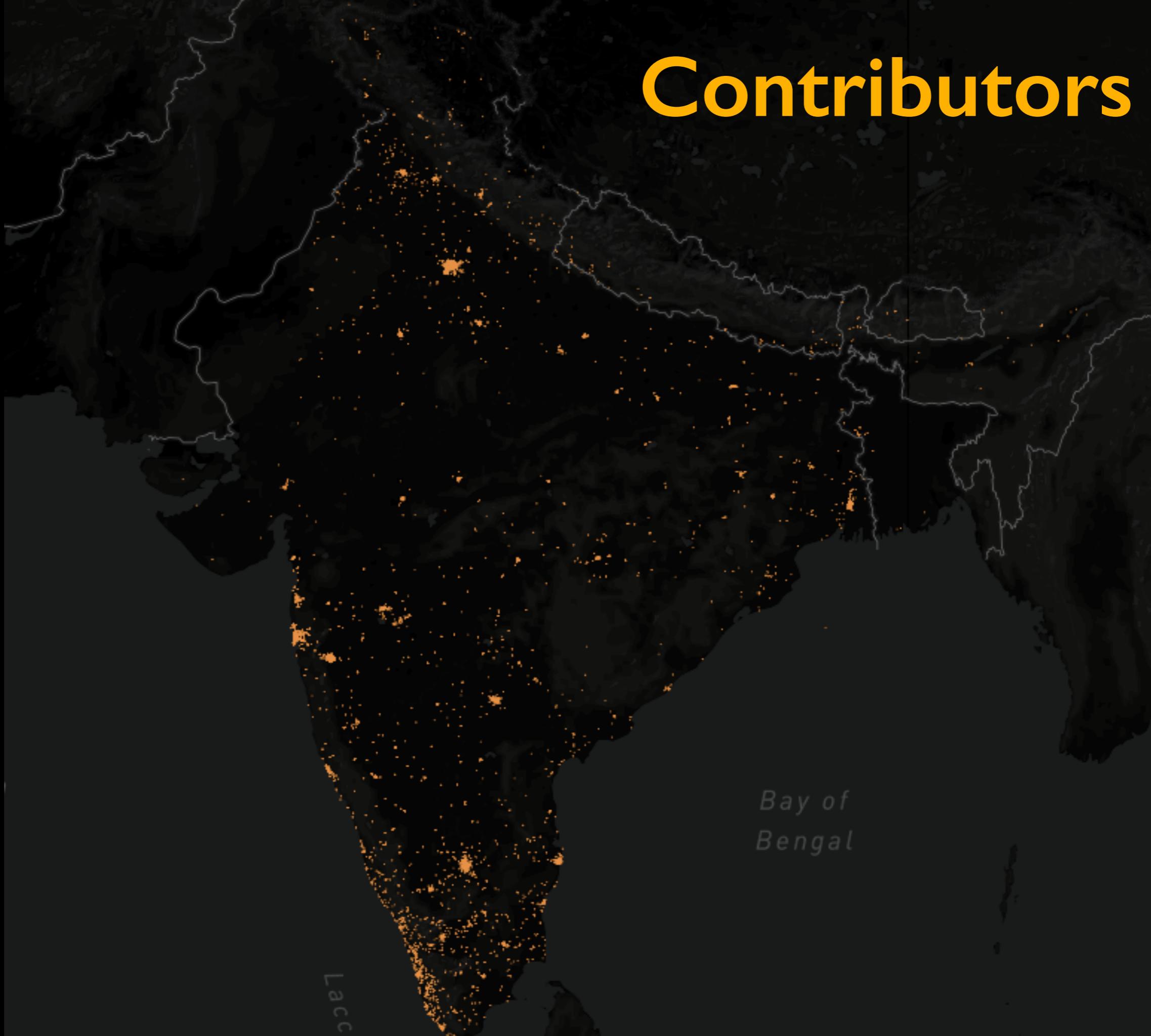
- The country node added in 2009 - and now has 58 versions
- We got road data import from AND data which covered major highways

58 million objects

2,130 unique keys



Contributors

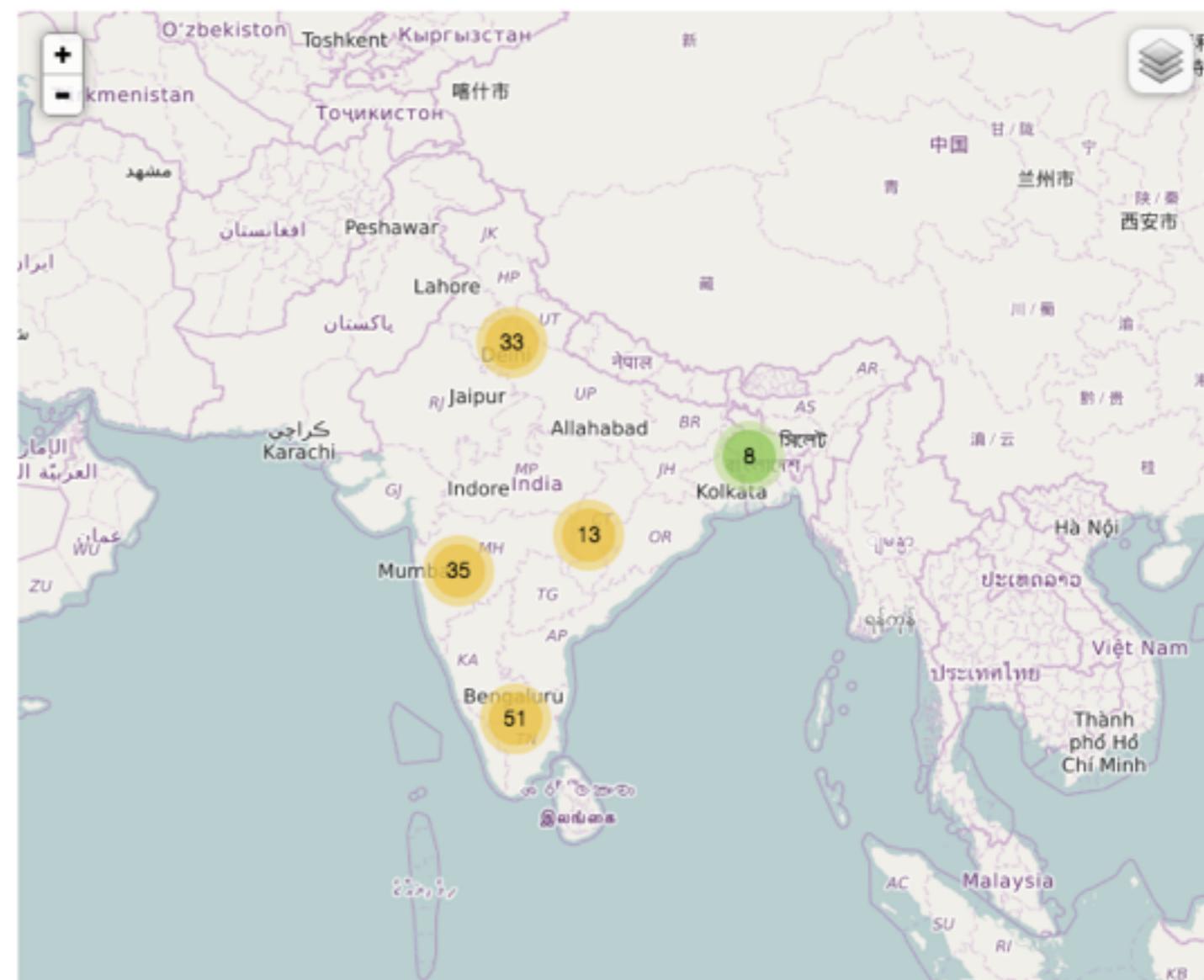




Latest OSM Contributors (7 days): 140 - India - RSS-Feed

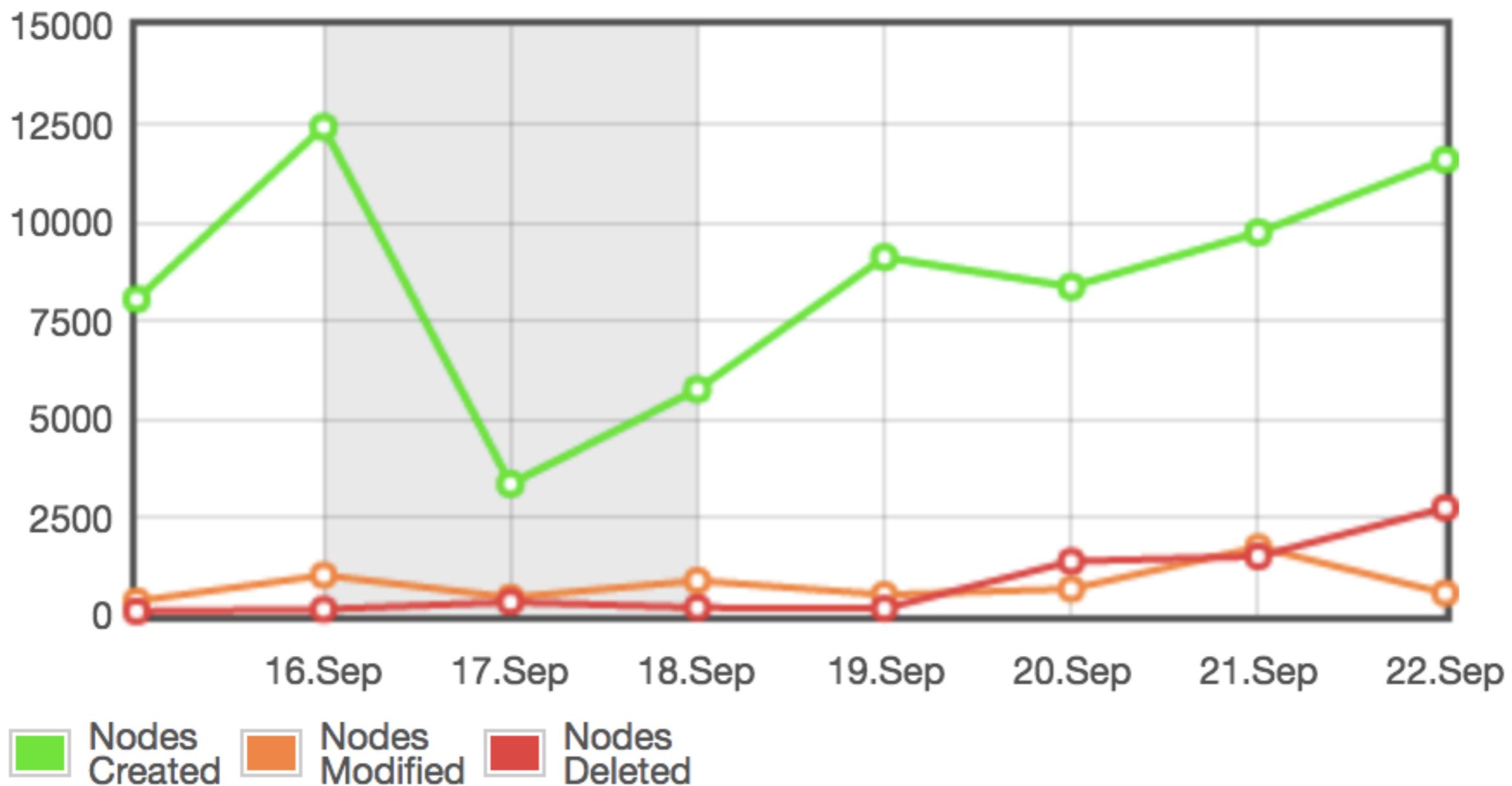
Copyright © Pascal Neis (neis-one.org) - Map data © [OpenStreetMap](http://OpenStreetMap.org) contributors (Data is updated on a hourly basis) - [See All Countries](#)

Country Contributor	Near by
 madmanbusted (Registered: 2014-12-17 12:28:01 UTC)	Erandwana (1.57 km) (First Edit: 2016-09-24 13:25:43 UTC)
 Ramesh@123 (Registered: 2016-09-08 06:35:09 UTC)	Saifabad (0.16 km) (First Edit: 2016-09-24 13:10:12 UTC)
 Hemanth kumar goli (Registered: 2016-09-24 12:08:23 UTC)	B. Narayanapura (0.73 km) (First Edit: 2016-09-24 12:28:53 UTC)
 Sridhar s k (Registered: 2016-09-24 10:04:49 UTC)	Mysore (0.31 km) (First Edit: 2016-09-24 11:21:49 UTC)
 GIS EXICUTIVE (Registered: 2016-09-24 10:21:20 UTC)	Thubarahalli (0.32 km) (First Edit: 2016-09-24 10:35:22 UTC)
 Jitesh Khanna (Registered: 2016-09-24 09:56:09 UTC)	SR Nagar (0.16 km) (First Edit: 2016-09-24 10:16:50 UTC)
 Joshua PInto (Registered: 2016-09-18 10:31:59 UTC)	Judicial Layout (0.72 km) (First Edit: 2016-09-24 08:48:43 UTC)
 Leo Arokia Johny (Registered: 2016-09-11 03:01:02 UTC)	Tiruchirappalli (2.77 km) (First Edit: 2016-09-24 07:23:25 UTC)
 lokesh marine (Registered: 2016-09-24 07:03:27 UTC)	VOC Nagar (0.33 km) (First Edit: 2016-09-24 07:04:45 UTC)
 abdul samathu (Registered: 2016-09-19 13:04:30 UTC)	Madhavaram (0.83 km) (First Edit: 2016-09-24 06:52:18 UTC)
 arunS (Registered: 2016-09-24 05:17:24 UTC)	Zirkapur (1.79 km) (First Edit: 2016-09-24 06:47:29 UTC)
 Rohitpat (Registered: 2016-09-24 06:01:34 UTC)	D-cabin (3.54 km) (First Edit: 2016-09-24 06:05:03 UTC)
 Huzalifa ajiu (Registered: 2016-09-23 21:52:21 UTC)	Dahod (0.98 km) (First Edit: 2016-09-24 04:56:01 UTC)
 rahul6162 (Registered: 2016-09-24 03:16:20 UTC)	Karol Bagh (2.01 km) (First Edit: 2016-09-24 03:20:35 UTC)
 ramesh kumar maurya (Registered: 2016-09-23 22:12:19 UTC)	Purwa (13.27 km) (First Edit: 2016-09-23 22:24:31 UTC)
 Biju Varghese Palamattom (Registered: 2016-09-22 20:08:27 UTC)	Njaliyakuzhi (0.24 km) (First Edit: 2016-09-23 20:16:08 UTC)
 GIREESHKUMAR (Registered: 2016-09-23 18:23:32 UTC)	Bangalore (0.82 km) (First Edit: 2016-09-23 18:25:01 UTC)



Daily 50 active members edit data for India

No. of nodes that are daily created/modified/deleted



Road Coverage

- **motorway/trunk** - 83,701 kms
- **primary/secondary** - 180 thousand kms
- **tertiary** - 127 thousand kms
- **named roads** : 84,468
- **un-named roads** : 1,481,608

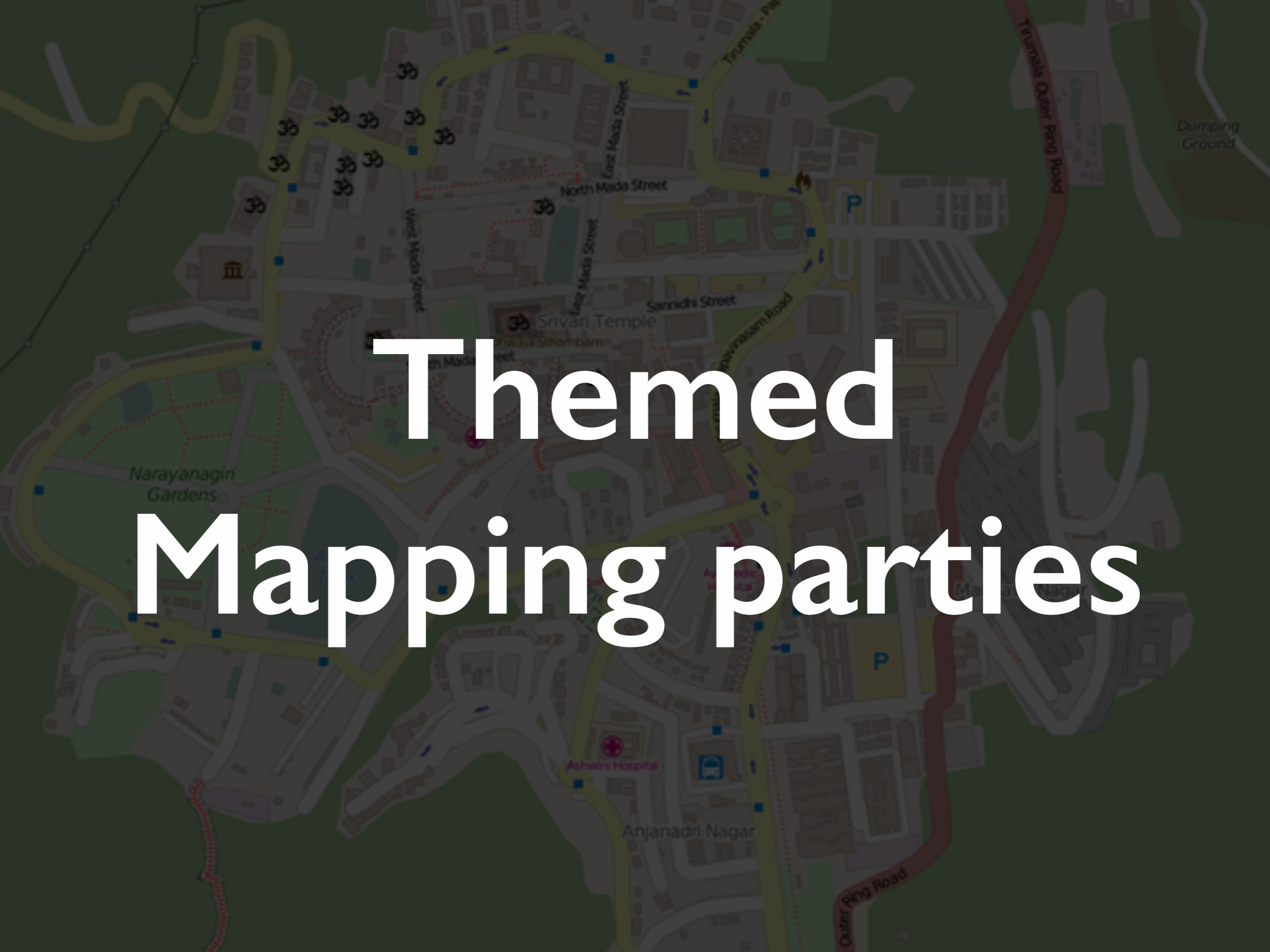
Natural resources

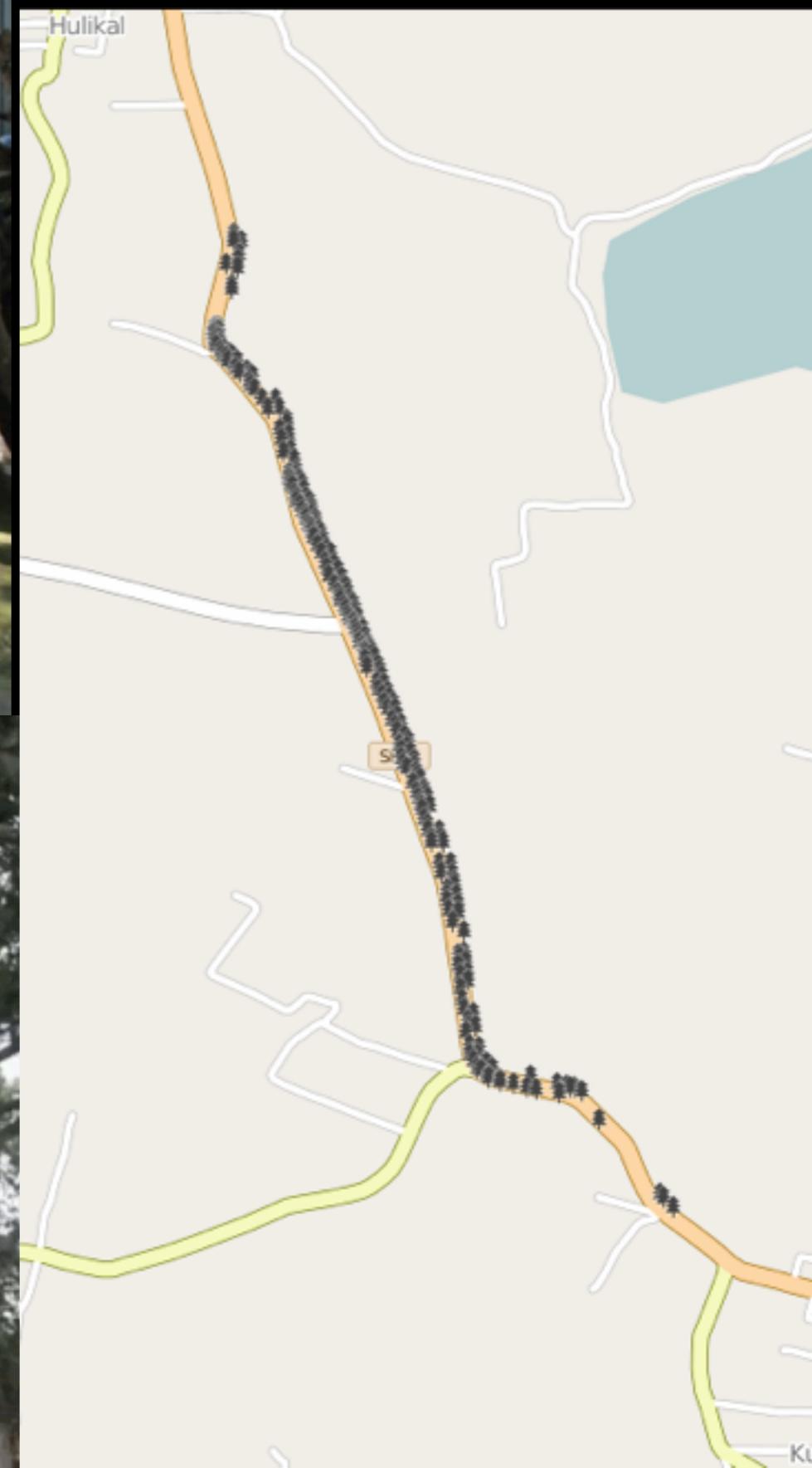
- Forest and green cover - 50,000 sq kms
- Water resources - 670 thousand sq kms
- Farmland - 1,320 sq kms

More numbers.....

- ★ **Railway Network**
- ★ **Building data is increasing - 4.4 million buildings**
- ★ **Power poles mapped - thanks to Germans - 1.1 million**
- ★ **6-8 major metro cities of the country have good usable street-level data.**

Themed Mapping parties







India/Events/Map your waste

< India | Events
(Redirected from India/Events/Map your waste, FSMK Bengaluru)

This will be a decentralized mapping event. Volunteers of [Free Software Movement Karnataka\(FSMK\)](#) are organizing 'Map your waste' mapping event using OpenStreetMap in coordination with GNU/Linux Users Groups of colleges across Bengaluru and in few other districts of Karnataka. The idea is to survey the area in the vicinity/neighborhood for sewage manholes, sewage lines and public toilets using [Fieldpapers](#) and [OSMtracker/Keypad-Mapper_3/Mapillary](#) in GPS-enabled android device. And then comeback to add the data to OSM using [id/JOSM](#) editor. For adding the data, we'll be using [manhole=sewer](#) tag and [manmade=pipeline](#) with [type=sewage](#) tags to add sewage lines. Currently there are no [manhole](#) or [sewage](#) objects mapped in India OSM(different tags used?) and looks like a unique mapping effort. :)



Sample manhole

What you need

- Pen/Pencil to take location notes on [Fieldpapers](#).
- GPS-enabled smartphone with [OSMtracker/Keypad-Mapper_3/Mapillary](#) app.
- Laptop to edit/upload data to OSM.

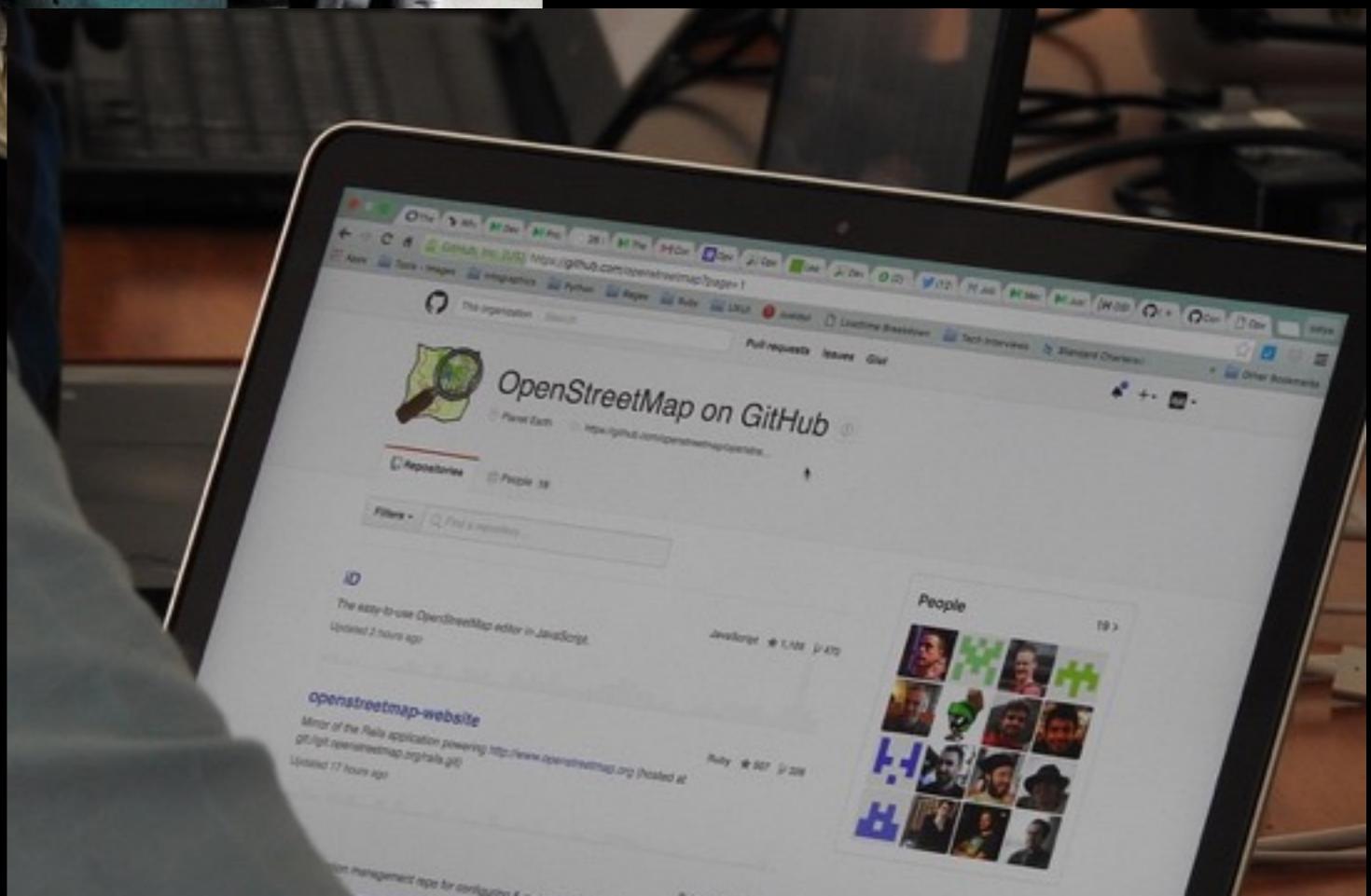
How to

- Beginner's Guide [G](#)
- If using OSMTracker - [LearnOSM Guide on OSMTracker](#)
- [OSMTracker buttons layout](#) - customized for Map Your Waste
- If using Mapillary - [Data_collection_with_Mapillary](#)
- If using Fieldpapers - [LearnOSM Guide on Fieldpapers](#)
- To add manhole, sewage line and public toilets data, use following tags -
 1. For manhole locations - [manhole=sewer](#)
 2. For sewage line - [manmade=pipeline](#) and [type=sewage](#)
 3. For public toilets - [amenity=toilets](#)

Please do not delete existing data unless you know what you're doing and map responsibly.



Mapathons



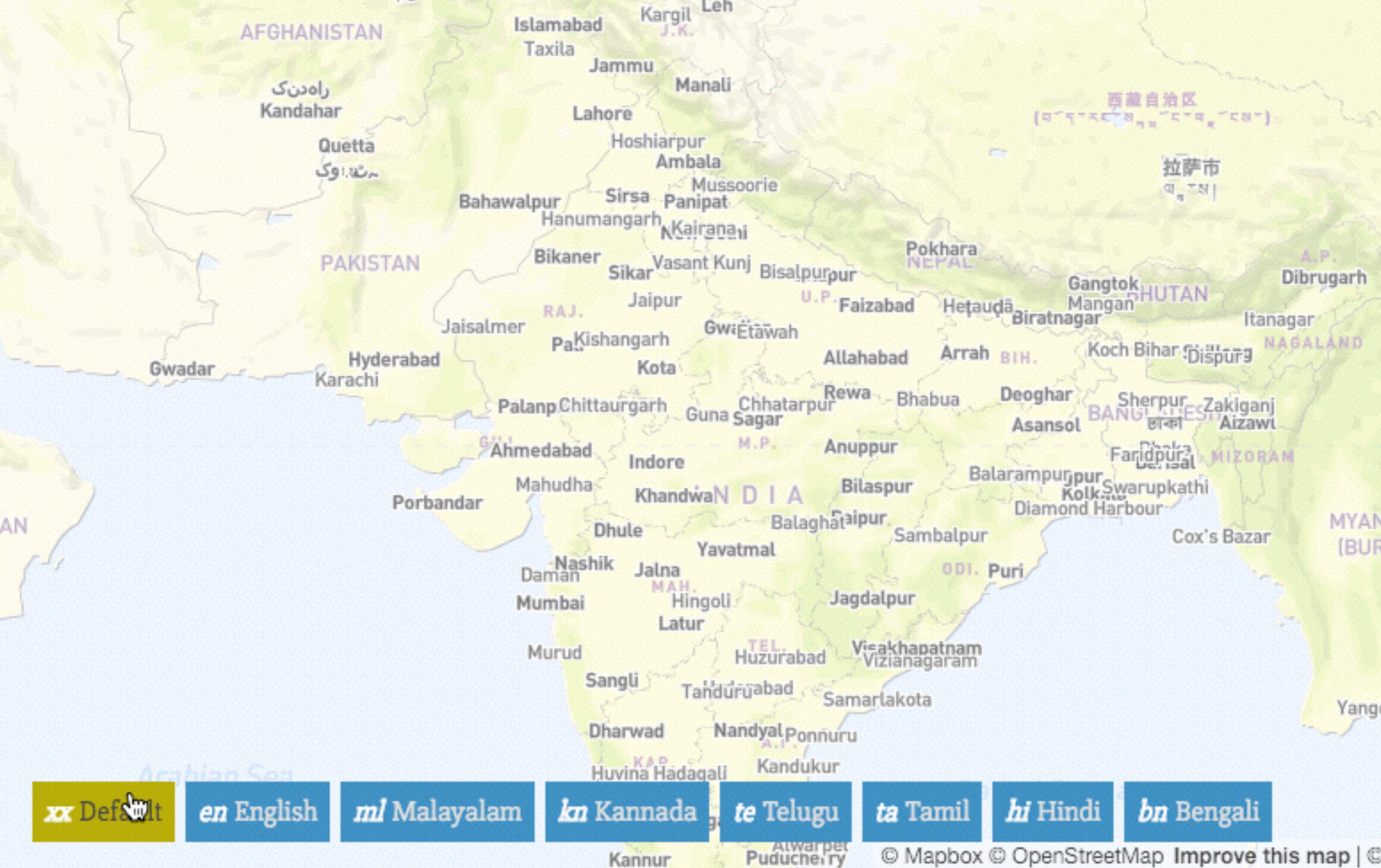
Colleges



Universities



Applications



Localised Maps

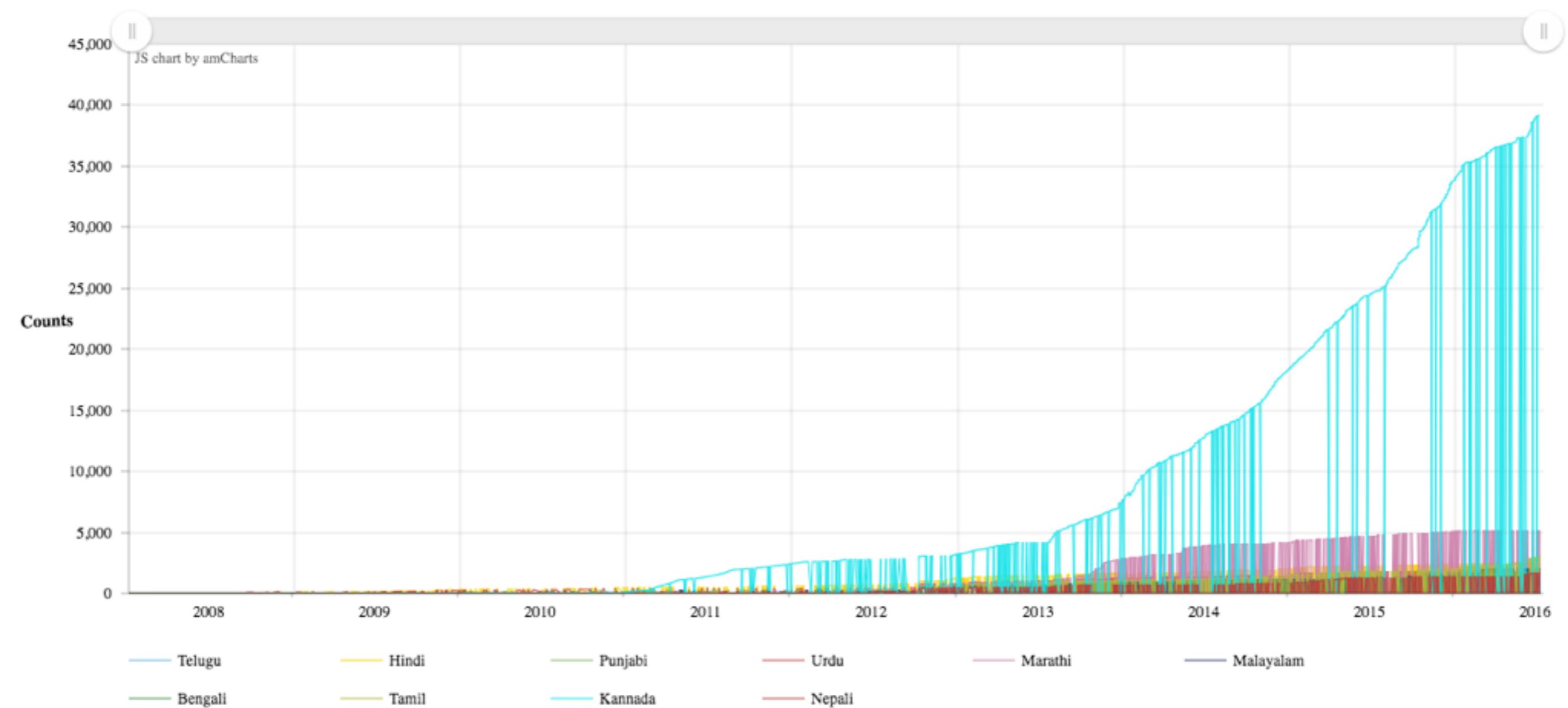
<https://www.openstreetmap.org/user/PlaneMad/diary/38176>

OpenStreetMap in Kannada

<http://yogiks.github.io/osm-kn/map/>



History of Indian Language Tag Growth on OSM





Projects

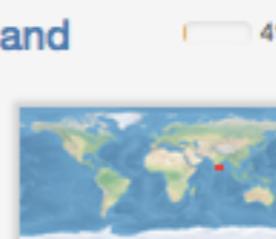
 Search

Sort by: High priority first ▾

 Include archived projects Your projects

#63 Cuddalore Floods - Tracing missing roads and waterways in Cuddalore coast

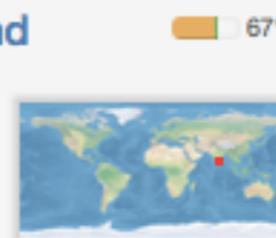
Tracing missing roads and waterways to support Cuddalore flood response



Created by [manings](#) - Updated 4 days ago - Priority: high

#62 Chennai Floods - Tracing missing roads and waterways in the Chennai Metropolitan Area

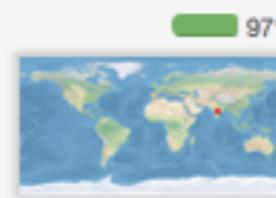
Tracing missing roads and waterways to support Chennai flood response



Created by [PlaneMad](#) - Updated 19 days ago - Priority: high

#28 Hyderabad Road Network Cleanup

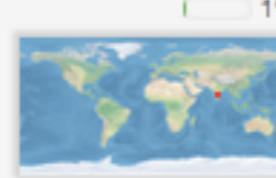
There's been a lot of additions to the road network in Hyderabad (recently by [User:Rajkumarmishra](#)) that caused over 25,000 connectivity issues. We'll use this task to clean this.



Created by [geohacker](#) - Updated 3 months ago - Priority: high

#80 Buildings in Adoni

Building tracing in Adoni.



Created by [manings](#) - Updated 4 days ago - Priority: medium

About the Tasking Manager

OSM Tasking Manager is a mapping tool designed and built for the Humanitarian OSM Team collaborative mapping. The purpose of the tool is to divide up a mapping job into smaller tasks that can be completed rapidly. It shows which areas need to be mapped and which areas need the mapping validated.

This approach facilitates the distribution of tasks to the various mappers in a context of emergency. It also permits control of the progress and the homogeneity of the work done (e.g. elements to cover, specific tags to use, etc.).

New to Mapping?

Just jump over to [OpenStreetMap](#), create an account, and then visit the LearnOSM tutorials on the [Tasking Manager](#) and the [iD editor](#). Alternatively check out the [MapGive](#) website which also provides information on the Tasking Manager and mapping. Once you have read up on how to map, come back here to help map for people on the ground!

Questions About Tasks, Mapping or HOT?

If you have any questions about a project, a task or mapping in general please ask on our mailing list: [HOT E-Mail List](#).

Or visit us in our IRC Chat Channel, just select #hot from the pop down channel list: [OSM HOT IRC Channel #hot](#).

General inquiries and comments are welcomed at: info@hotosm.org.

More

- OpenStreetMap serving many students in their research projects
- OpenStreetMap is used by National Space Research Organisation
- OpenStreetMap part of academics for university students

Places to improve

- Awareness
- Improve road network connecting each and every village.
- Improve road names data
- Improve address data
- Improve POI data in cities

Hurdles

- Community awareness
- No open data policies and datasets
- non-standards



Images :Wikipedia, Openclipart and own work
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