OpenStreetMap Through the Years

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Maps are Important

Well...really geospatial data is important. Maps are a product of that data.
John Snow’s Cholera Map
In 2004 map data was very expensive. This was certainly the case in the UK with the Ordnance Survey. University student Steve Coast decided to make his own map.
OpenStreetMap was born

People began using GPS to map their communities

Remember this is 2004 “everyone” wasn’t walking around with a GPS in their pocket
The Vision

To create a free map of the entire world.

Made by the people making up that world. ← me editorializing
geographic data, or a map, is open only if someone can make you a gift of a cake with your map on it. - Iván Sánchez Ortega
Map Cakes
What makes up OSM?

Nodes, Ways and Areas

**Node**: basic element
Latitude & longitude
Used for POIs

**Way**: ordered interconnection of nodes
Used for linear features

**Closed Way**: first and last nodes of the way identical
Used for areas

**Relation**: group of any primitives with associated roles
Used for relationships between objects and abstract objects
Most geographic data is made up of “layers”
OpenStreetMap is unique in that all the data is together, you can make layers from it, but it isn’t always easy because of the crowdsourced nature of the data structure

horse=yes where is horse =no?
Major Milestones

(I probably missed something)
Domain registered, website up and first mailing list post
Isle of Wright - 2006

30 mappers convened to map the Island and get to know each other.
Established to encourage the growth, development and distribution of free geospatial data and provide geospatial data for anybody to use and share.
The Rails Port

The basis of the OpenStreetMap API today.

(funny how names stick around, isn’t it?)
First OSM Companies Founded

GeoFabrik and CloudMade

50% of these still provide OpenStreetMap services
In December 2006 Yahoo confirmed OpenStreetMap could use its imagery for tracing for map production.
First State of the Map – 2007 Manchester
Mapnik
Potlatch is an online visual editing that appeared on the OSM home page in 2007 to make it easier for users to get started.
GPS2Go

Image: Mikel Maron
Brain Off
Mikel Maron :: Building Digital Technology for Our Planet

Gaza OpenStreetMap
January 5, 2009 at 8:05 pm - Filed under openstreetmap

We’re making a push to get up to date maps of Gaza in OpenStreetMap. UN agencies, NGOs, web sites are requesting better maps of the crisis. For one, we are looking to re-activate the partnerships and routing services developed in Haiti last year. AidWorkerDaily has a quick survey of mapping API coverage right now.

Anyone interested in assisting with OpenStreetMap work in Gaza, please get in touch. Using the OSM wiki to coordinate: OpenStreetMap WikiProject Palestine Gaza.

And again in 2014
Haiti Earthquake (2010)

Image: Craig Luecke
• 2006 is an idea
• Started going to Haiti in response to the earthquake
• Become an organization August 2010
• Began working in Indonesia to pre-map in 2011
• Today supporting humanitarian and international development projects around the world
OSM in Indonesia

InaSAFE.org
Nepal Earthquake 2015

Image: Kathmandu Living Labs
License Change

CC-BY-SA → ODbL (Open Database License)
Moves from Google

Switch2OSM

Rich data

OpenStreetMap data is rich and detailed, containing huge amounts of data which is relevant to people on the ground - the people who collected it.

Features include:

- Roads, railways, waterways, etc...
- Restaurants, shops, stations, ATMs and more.
- Walking and cycling paths.
- Buildings, campuses, etc...

Home

Take back control of your maps

Do your maps look like everyone else's? Are you paying high fees just to include maps on your website?

Switch to OpenStreetMap and discover how you can build beautiful maps from the world's best map data. We give you the data for free; you can make any map you like with it. Or benefit from the expertise of those already using OpenStreetMap. Host it on your hardware, or elsewhere. You have control.

switch2osm.org explains how to make the switch - from first principles to technical how-tos.

Search

Links

- OpenStreetMap
- OSM data download (planet.osm)
- OSM Foundation
More Imagery

- State Department Provides Imagery
- DigitalGlobe Provides Imagery
- Airbus
- Planet
- World Bank
- And others
Map Coloring Books!

CITY MAPS
a coloring book for adults

Gretchen N. Peterson
Enjoy!

Gretchen Peterson
2016 was the first Chapters Congress at State of the Map

Local Chapters are officially recognized and have an agreement with the OSM Foundation
Corporate Membership

Gold Corporate Members
- mapbox
- esri
- Bing
- facebook
- Grab
- GraphHopper

Silver Corporate Members
- MAPS.ME

Bronze Corporate Members
- GEOFABRIK
- GEOTAB
- Open Geo Group
- OpenCage Data
- Boundless
- Omniscale
- Mapillary
- dab&co
- KAART
- NAVER
- Cesium
- krick.com
- auskunft.de

Supporter Corporate Members
- Toursprung
- NextGIS
- LocationIQ
- Passenger
- Intevation
- Savana
The Pineapple Fund
User Growth (registered users)

- 2005 – 1,000 users
- 2007 – 10,000 users
- 2007 – 20,000 users
- 2009 – 100,000 users
- 2010 – 200,000 users
- 2013 – 1,000,000 users
- 2015 – 2,000,000 users
- Today - ~5,000,000 user
Still a community mapping themselves, but has grown to be much, much more.

Like many other free projects we are not without tensions.
OSM of the Future

- More data available from sensors (hopefully)
- Defined the place for automated mapping
- More editors from all over the world
- More users
- More community
- More map cakes!
Go to OpenStreetMap.org and get an account. Then map what you know.
Without our tools we wouldn’t have a way to make a map, use a map or get data out. (And probably a million other things people have thought to do with OSM)
Host a Mapathon, Mappy Hour, or Mapapalooza, Mapstock, or whatever other fun event you want to stick the word “map” on
Become a member!

The OpenStreetMap Foundation needs you as member. Members are vital to our project and we welcome all who supports our goals to join us. We look forward to welcoming you to the Foundation!

Why should you join?

- **Keep OpenStreetMap's servers running.** OpenStreetMap is the world’s biggest user-generated map, free for everyone to use. Our volunteer sysadmins rely on the OSM Foundation to provide the server hardware.
- **Influence the future direction of the project.** Vote in the annual OSM Foundation elections for the board that steers the project.
- **Support our volunteer working groups.** Our [Working Groups](https://www.openstreetmap.org/community) keep OpenStreetMap safe from vandalism and legal threat, resolve licensing issues, organise conferences, keep our hardware and software up to date, any many other things.
- **Show your support for OpenStreetMap.**

We have three membership classes: Normal (£15), Associate (£15) and Corporate (£500 to €20,000).

About 70% of our members are normal members. In short, normal membership gives you more voting rights, associate membership gives you more privacy, corporate membership is for organisations.
Upcoming Events

State of the Map 2019 in Heidelberg, Germany 21-23 of September

State of the Map US 2019 in Minneapolis, Minnesota 5-8 September
Thank you to the FSF
After all you can’t use free map software to make maps without data. People used to use samples of proprietary data mostly.
Thank you to the OSM Community
Thank You

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