

OpenStreetMap

What, Why, and How's it doing?

Gregory Marler

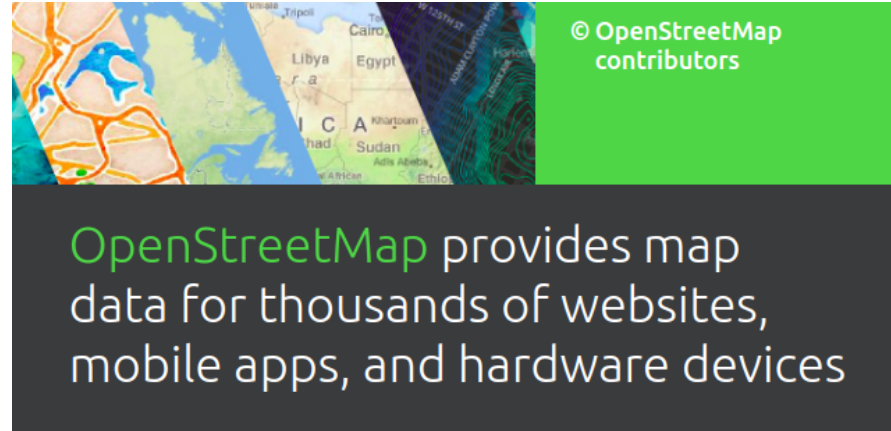
Mastodon: en.osm.town/@gregorymarler

Twitter: [gregorymarler](https://twitter.com/gregorymarler)

Questions

- Have you heard of OpenStreetMap?
- Have you used (looked at) OpenStreetMap?
- Have you edited OpenStreetMap?

What is OpenStreetMap?



OpenStreetMap is built by a community of mappers that contribute and maintain data about roads, trails, cafés, railway stations, and much more, all over the world.

Local Knowledge

OpenStreetMap emphasises local knowledge. Contributors use aerial imagery, GPS devices, and low-tech field maps to verify that OSM is accurate and up to date.

Community Driven

<https://www.openstreetmap.org/about>

OpenStreetMap is a free, editable map of the whole world that is being built by volunteers largely from scratch and released with an open-content license.

Free?



osm.org/copyright

“The Wikipedia of Maps”



MISS
Map

≈4 million map changes/day

Map?

Search

Where is this?

Way: Abertay University (26547289)

Version #18

things

Edited 5 months ago by CrysMelyn

Changeset #163576108

Tags

addr:city	Dundee
addr:postcode	DD1 1HG
addr:street	Bell Street
alt_name	University of Abertay Dundee
amenity	university
name	Abertay University
name:gd	Oilthigh Obar Thatha
name:sco	Abertay Varsity
phone	+441382308000
website	https://abertay.ac.uk
wikidata	Q1505925
wikipedia	en:Abertay University

Nodes

► 36 nodes

Map showing the area around Abertay University in Dundee, Scotland. The map includes streets such as North Marketgait, Bell Street, Euclid Crescent, and West Bell Street. Key landmarks include the Abertay University campus (outlined in orange), the High School of Dundee, and various local businesses and churches. The map is sourced from OpenStreetMap contributors.

Map Layers

Standard

CycloSM

Cycle Map

Transport Map

Tracestrack Topo

Humanitarian

Shortbread

MapTiler OMT

Enable overlays for troubleshooting the map

☐ Map Notes

☐ Map Data

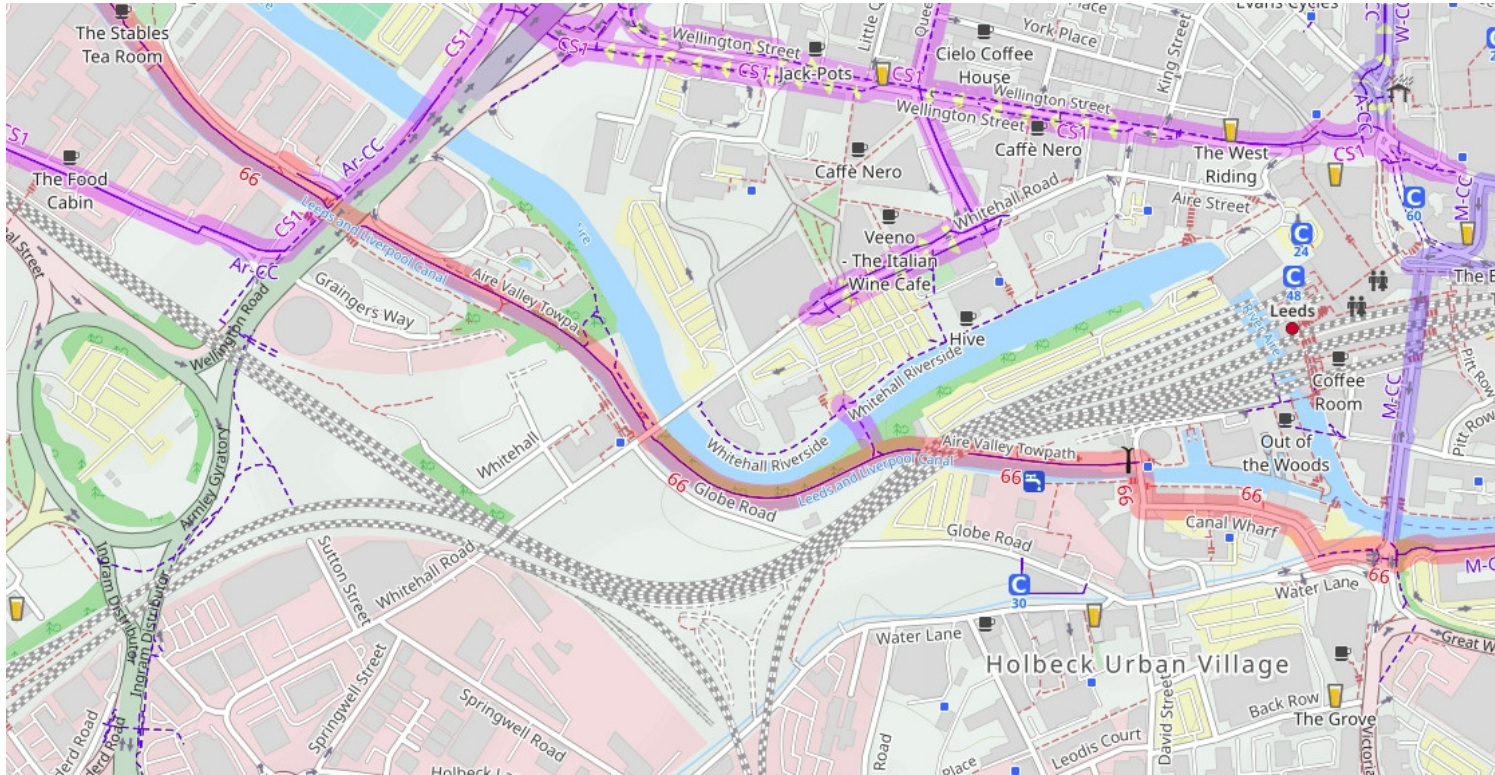
☐ Public GPS Traces

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Dundee Data Meetup

<https://www.openstreetmap.org/way/26547289>
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OpenCycleMap.org



See also: <https://cycle.travel> and <https://cyclestreets.net>

OpenWhateverMap.xyz

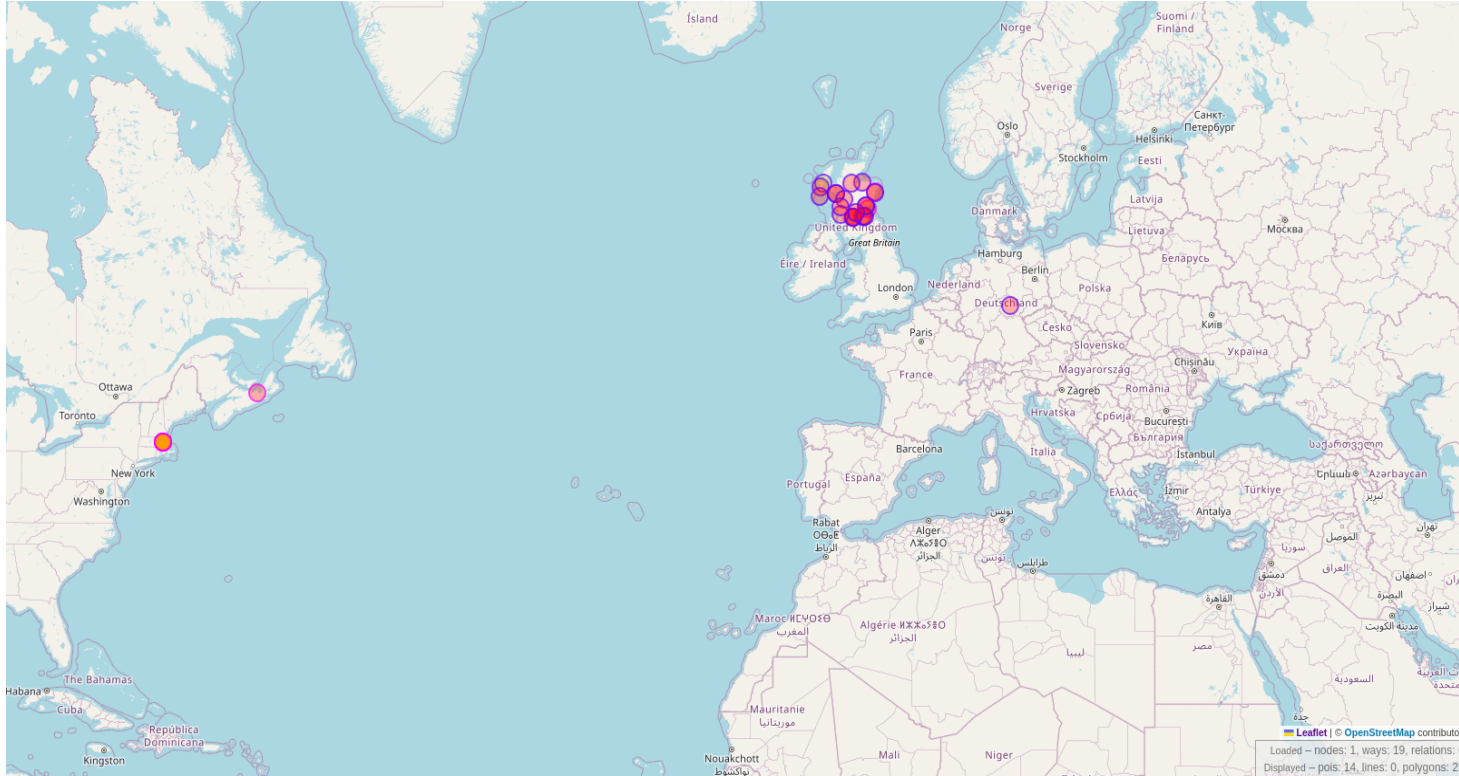


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Of the whole world



amenity=university and name:gd=*

<https://overpass-turbo.eu/s/2amj>

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Who is OpenStreetMap?



State of the Map LatAm

State of the Map Scotland 2015 <https://www.flickr.com/photos/chrisfleming/21922635036/>

State of the Map Asia 2016

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State of the Map 2017

<https://www.flickr.com/photos/151809324@N08/35898632114>

State of the Map France 2017, Cyrille de Villèle - Ville de Digne-les-Bains

OpenStreetMap

Dundee Data Meetup

10 million users

~20k editing each month

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**We interrupt this talk with
a word from our sponsor**



State of the Map Europe

14th & 15th November 2025
Dundee, United Kingdom

<https://2025.stateofthemap.eu>



Talks, discussion groups, and other sessions

Across 8 tracks

1, 

2, 

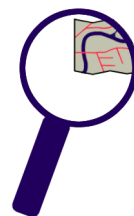
3. 

OSM Basics

Software & Engineering

Mapping & Collection

Not just OSM

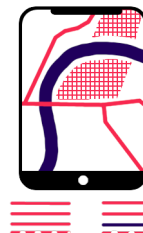
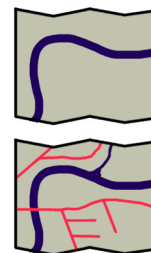


Community & Vision

Map Progress

Humanitarian

Cartography & Outputs



OpenStreetMap: Why?



speedy
updates



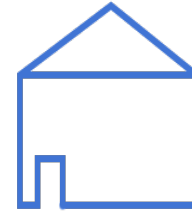
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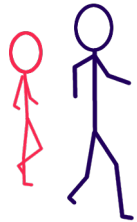
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motives



curated
output

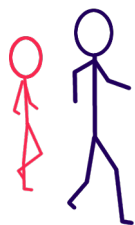


home
locations



Mapping &
Collection

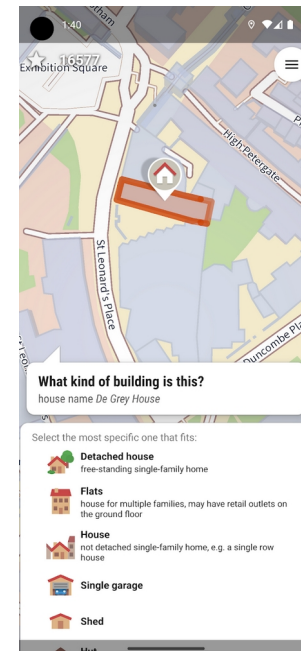
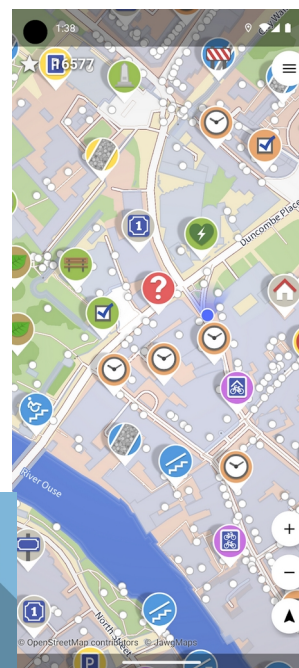
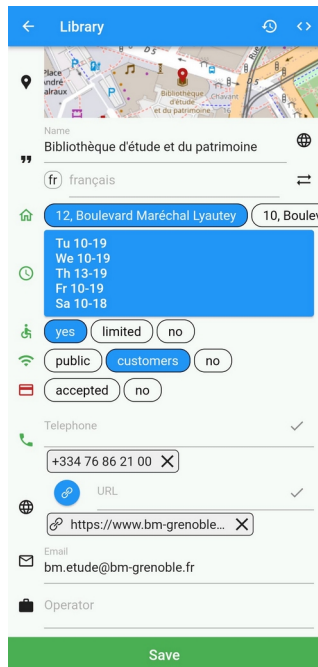
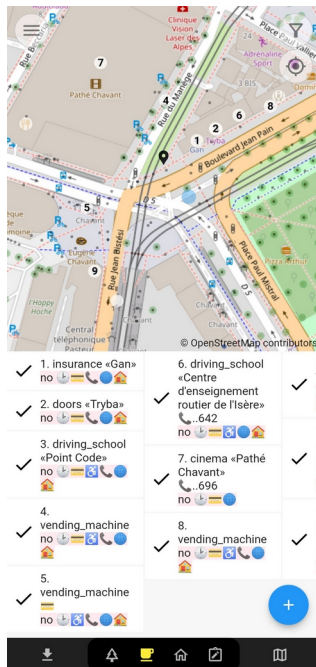
OpenStreetMap: How's it going?



Mapping &
Collection

ID and JOSM editors still important.

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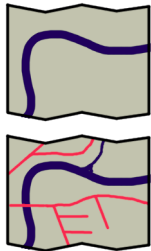


Every Door app <https://every-door.app/>
StreetComplete app <https://streetcomplete.app/>

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OpenStreetMap: Why?



Map
Progress

OpenStreetMap Edit History Export GPS Tracks User Diaries Communities Copyright Help About

OSRM

South Union Street, Central Waterfr
Abertay cyberQuarter, Bell Street, C

Directions

Distance: 798m. Time: 0:11.

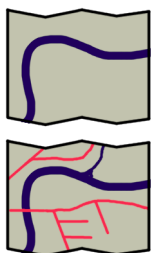
1. Start on unnamed road
2. Turn left onto unnamed road
3. Turn right onto unnamed road
4. At the end of the road turn left onto unnamed road
5. Turn left onto **Union Street**
6. Turn right onto **Nethergate**
7. Turn left onto **Tally Street**
8. Turn right onto unnamed road
9. At the fork turn left onto unnamed road
10. At the end of the road turn left onto **Willison Street**
11. Turn right onto **Barrack Street**
12. Continue on **Constitution Road**
13. Turn right onto **Bell Street**
14. Reach destination

[Download route as GeoJSON](#)

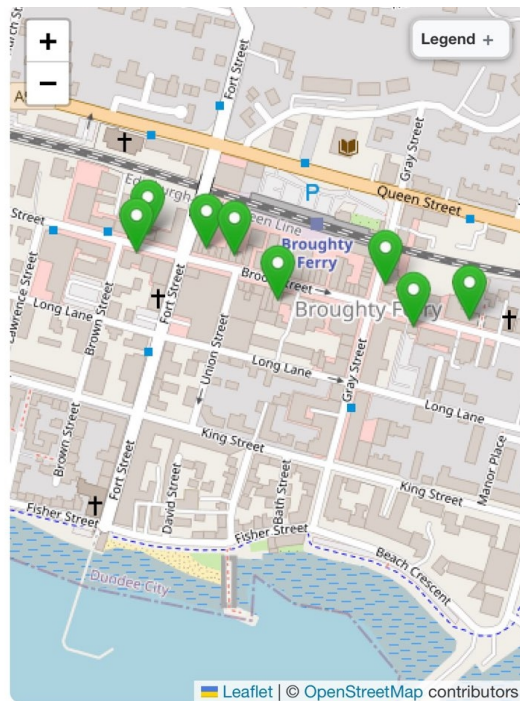
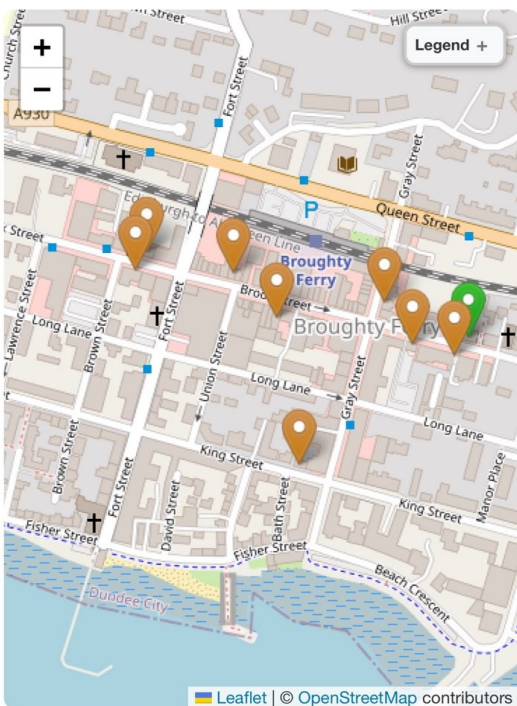
Directions courtesy of [OSRM \(FOSSGIS\)](#)



OpenStreetMap: How's it going?



Map
Progress



Survey Me!

A local comparison tool combining data from the other tools listed here

Addresses & Postcodes

Tools and links to help those wanting to improve the coverage of addresses

Chain Reaction

Comparison of branches of UK retail chains, including supermarkets,

Defibrillators (AEDs)

Tools and links to help those wanting to improve the coverage of public

Ghosts

Lists UK chains that have closed or been re-named/re-branded but are

Healthcare

A tool to evaluate OSM UK data on healthcare facilities, and compare

Linear High Street Maps

A tool to produce linear maps showing the shops and other businesses

Nameless

A tool to find OSM objects that should have names but are missing a

Pharmacies

Tools and links to help those wanting to improve the coverage of phar

Post Boxes

Statistics, reports and maps to examine and check the data on UK po

Post Offices

Statistics, reports and maps to compare the data on UK Post Offices f

Public Rights of Way

Tools and links to help those wanting to improve the coverage of UK

Schools

A comparison / progress tool and other useful resources to help comp

Stale Developments

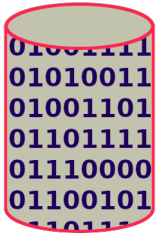
A tool to find OSM objects for construction sites / developments that l

“Dundee OSM Health” <https://osm.dundee.opendata.scot/>

“Robert’s OSM Stuff” <https://osm.mathmos.net/>

OpenStreetMap: Why?

- All major GIS systems & formats support it
- Cloud based services like AWS
- Vector Tiles: making on-the-fly style changes possible



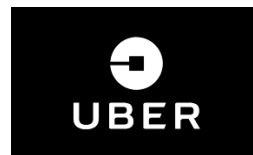
Software &
Engineering

OpenStreetMap: How's it going?

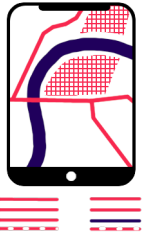
Some of the past sponsors from various State of the Map events.



Not just
OSM



OpenStreetMap: Why?



Cartography
& Outputs



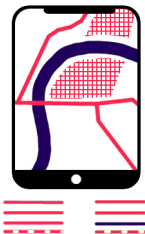
<https://streets.gl/>
<https://demo.f4map.com/>

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<https://2025.StateOfTheMap.eu>

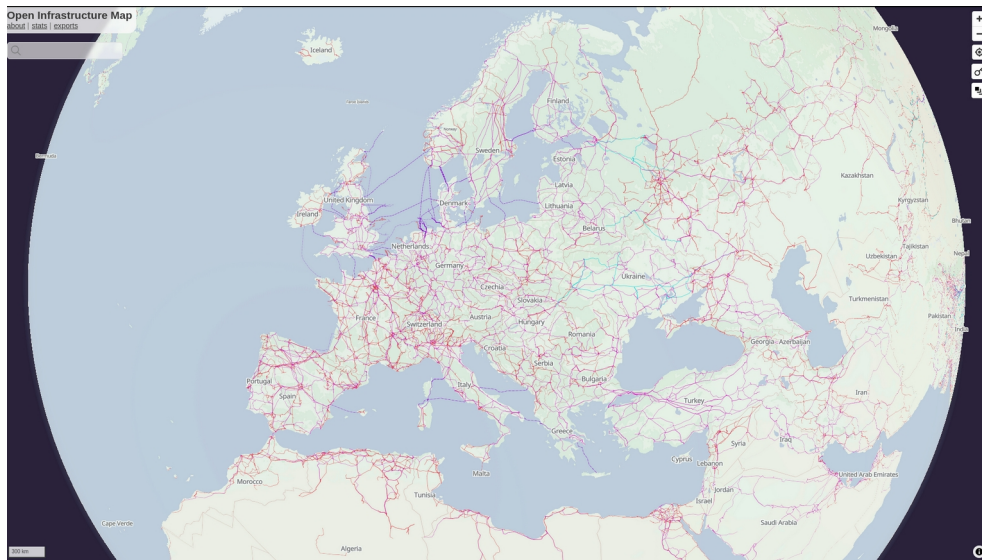
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OpenStreetMap: How's it going?



Cartography
& Outputs



OVERTURE MAPS
FOUNDATION

<https://openinframap.org/>

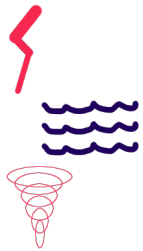
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OpenStreetMap: Why?

- Rapidly change world needs a map
- Wildfires, floods, wars
- On-the-ground deployments & remote volunteers



Humanitarian



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Mapping Youth Mental Health Services in Kenya for International Youth Day 2025

In celebration of International Youth Day 2025 under the theme 'Youth Advancing Multilateral Cooperation Through Technology and Partnerships', we would like the youth contributors in Kenya to lead a community mapping initiative focused on youth-friendly mental health services.

29 July, 2025

Global



Mapping Cholets, or how to build a mapping community in El Alto, Bolivia

Explore how mapping cholets in El Alto brought together community, culture, and open data—using ChatMap, to showcase a unique urban identity.

Juan Arellano Valdivia - 27 July, 2025

Bolivia



Mapping for Equity: Voices from Dhaka's Informal Settlements

Discover how community-led open mapping is transforming lives in Dhaka's informal settlements. Brazil Singh shares powerful insights from the Dhaka Thrive Project, where data becomes a tool for justice, resilience, and local enhancement.

Brazil Singh - 27 July, 2025

Bangladesh



En la primera línea de la crisis climática: un viaje a la Amazonía Boliviana

En Sapecho, Bolivia, comunidades indígenas, guardaparques y bomberos se unen en un taller de mapeo abierto para prevenir incendios y gestionar el territorio con tecnología humanitaria.

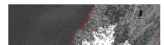
Emilio Mariscal - 17 July, 2025

Bolivia



OSM Building Dataset Complete for Conflict Affected Districts in Southern Lebanon

Accurate building footprints are needed to identify the impact of conflict on affected communities. After a dedicated volunteer



OpenStreetMap: How's it going?



Community
& Vision

SotM EU 2023 in Antwerp. Photographer: Taïs Grippa

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OpenStreetMap

What, Why, and How's it doing?

Gregory Marler

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YouTube: [MapperDiaries](https://www.youtube.com/channel/UCMapperDiaries)

Instagram: [openstreetmapuk](https://www.instagram.com/openstreetmapuk)

Linkedin.com/company/state-of-the-map-europe

en.osm.town/@sotmeu



State of the Map Europe

14th & 15th November 2025 Dundee, Scotland, UK

<https://2025.stateofthemap.eu>

info@stateofthemap.eu

sponsors@stateofthemap.eu

Deadline for session proposals: 31st August

Early-bird tickets on sale now!