

OpenStreetMap Workshop

Wikimania 2015

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<http://filbertkm.github.io/slides>



OpenStreetMap



free and open source map that anyone can [edit]!

The image displays the OpenStreetMap website interface and a satellite map of a city area.

OpenStreetMap Website:

- Header:** OpenStreetMap, Edit, History, Export.
- Search Bar:** Search, Where am I?, Go.
- Map Area:** Shows a detailed map of a city center with various streets, landmarks, and buildings labeled in Spanish. Key labels include: Alameda Central, Plaza de la Constitución, Teatro Juárez, Palacio de Bellas Artes, Museo Nacional de Arte, and several parks like Parque México, Parque Lincoln, and Parque de la Independencia.
- Tools:** GPS Traces, User Diaries, Copyright, Help, About.
- Bottom Left:** A sidebar titled "Select feature type" with a list of categories: Park, Hospital Grounds, Place of Worship, Cafe, Restaurant, Fast Food, Bar, Bank, Supermarket, and Point (which is highlighted).

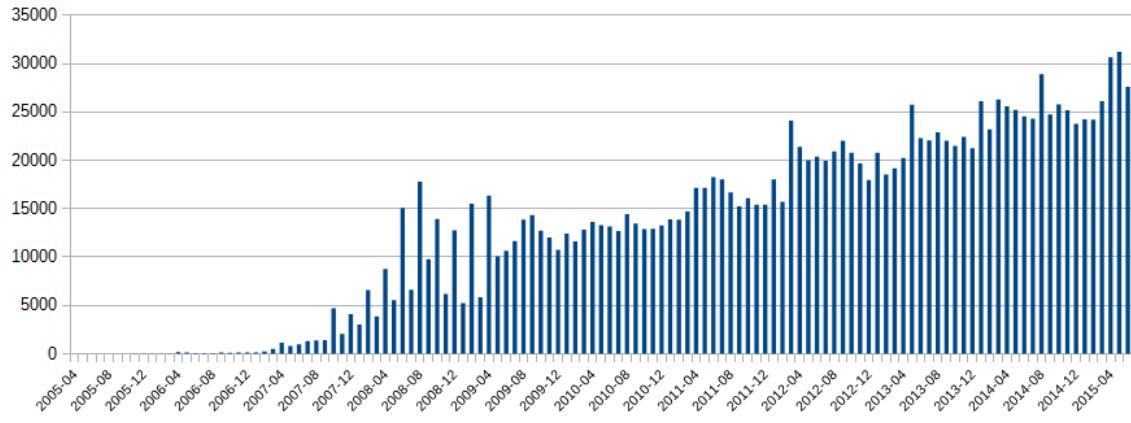
Satellite View:

- Top Right:** A zoomed-in satellite view of a park area labeled "Plaza de la Solidaridad".
- Bottom:** A larger satellite view of a city street with buildings and roads, including labels like "Banamex", "Paseo de la Reforma", "Av. Madero", and "Av. Juárez".
- Bottom Left:** A copyright notice: "© 2009 DigitalGlobe, Inc. All Rights Reserved. © 2009 Microsoft Corporation. Bing".
- Bottom Right:** A small footer note: "Edits by Ben Amoy Ohor, uttinger, Isval, and 8 others 1.7.3".

OpenStreetMap community



Active Contributors per Month



http://wiki.openstreetmap.org/wiki/File:Active_contributors_month.png

Simon Poole (CC-BY-SA 2.0)

<http://osmstats.neis-one.org/>

<https://www.flickr.com/photos/chrisfleming/9698307143/>

Chris Fleming (CC-BY-SA 2.0)
State of the Map 2013
Birmingham, UK



OpenStreetMap mapping parties!



"Wikimania 2013 HK ZvD 09" by Ziko van Dijk - Own work. Licensed under CC BY-SA 3.0 via Wikimedia Commons - https://commons.wikimedia.org/wiki/File:Wikimania_2013_HK_ZvD_09.JPG

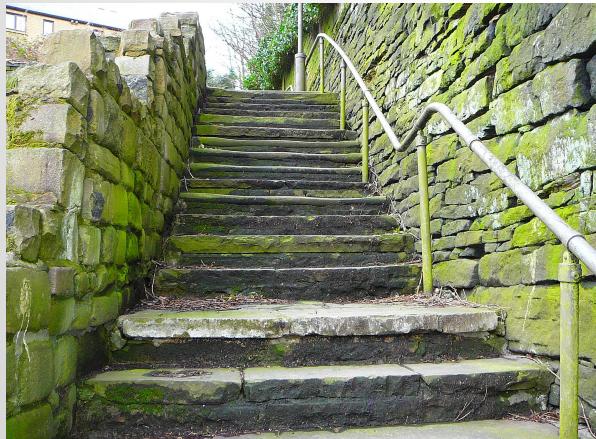
Map features



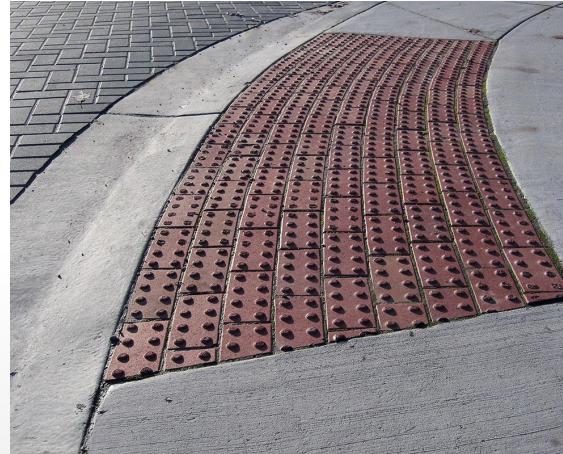
cycleway = lane



amenity = cafe



highway = steps



tactile_paving = yes

Disneyland (California)



Map features



http://wiki.openstreetmap.org/wiki/Map_Features

Amenity

Used to map facilities used by visitors and residents. For example: toilets, telephones, banks, pharmacies, cafes, parking and schools. See the page [Amenities](#) for an introduction on its usage.

Key	Value	Element	Comment	Rendering	Photo
Sustenance					
amenity	bar	<input checked="" type="checkbox"/> <input type="checkbox"/>	Bar is a purpose-built commercial establishment that sells alcoholic drinks to be consumed on the premises. They are characterised by a noisy and vibrant atmosphere, similar to a party and usually don't sell food. See also the description of the tags <code>amenity=pub;bar;restaurant</code> for a distinction between these.		
amenity	bbq	<input type="checkbox"/>	BBQ or Barbecue is a permanently built grill for cooking food, which is most typically used outdoors by the public. For example, these may be found in city parks or at beaches. Use the tag <code>fuel=</code> to specify the source of heating, such as <code>fuel=wood;electric;charcoal</code> . For mapping nearby table and chairs, see also the tag <code>tourism=picnic_site</code> . For mapping campfires and firepits, instead use the tag <code>leisure=firepit</code> .		
amenity	biergarten	<input checked="" type="checkbox"/> <input type="checkbox"/>	Biergarten or beer garden is an open-air area where alcoholic beverages along with food is prepared and served. See also the description of the tags <code>amenity=pub;bar;restaurant</code> . A biergarten can commonly be found attached to a beer hall, pub, bar, or restaurant. In this case, you can use <code>biergarten=yes</code> additional to <code>amenity=pub;bar;restaurant</code> .		
amenity	cafe	<input type="checkbox"/> <input checked="" type="checkbox"/>	Cafe is generally an informal place that offers casual meals and beverages, typically, the focus is on coffee or tea. Also known as a <code>coffeehouse</code> , <code>shop</code> , <code>bistro</code> or <code>sidewalk cafe</code> . The kind of food served may be mapped with the tags <code>cuisine=*</code> and <code>diet=*</code> . See also the tags <code>amenity=restaurant;bar;fast_food</code> .		
amenity	drinking_water	<input type="checkbox"/>	Drinking water is a place where humans can obtain potable water for consumption. Typically, the water is used for only drinking. Also known as a <code>drinking fountain</code> or <code>bubbler</code> .		
amenity	fast_food	<input checked="" type="checkbox"/> <input type="checkbox"/>	Fast food restaurant (see also <code>amenity=restaurant</code>). The kind of food served can be tagged with <code>cuisine=*</code> and <code>diet=*</code> .		

<http://taginfo.openstreetmap.org/>



amenity=cafe

Generally informal place with sit-down facilities selling beverages and light meals and/or snacks.

[Overview](#) [Combinations](#) [Map](#) [Wiki](#) [Projects](#)

Overview

Type	Number of objects	
All	181 183	0.01%
Node	157 528	0.15%
Way	23 552	0.01%
Relation	103	0.00%

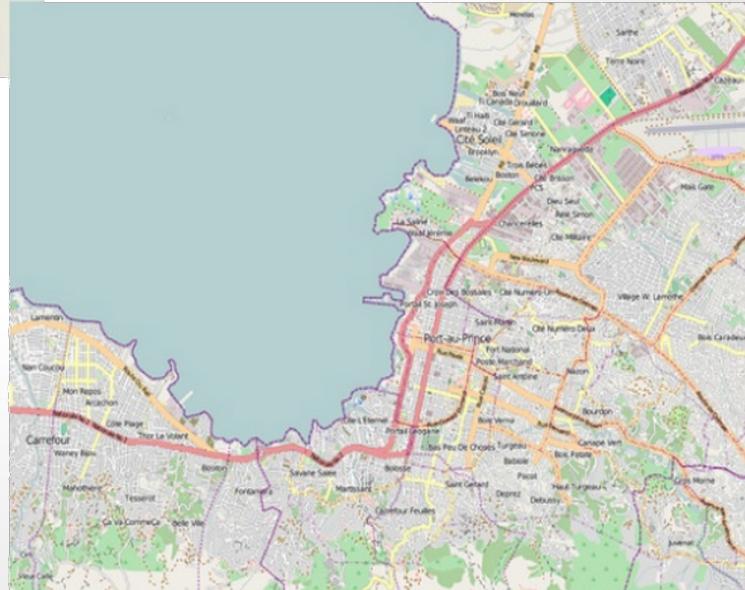
Humanitarian mapping

Haiti 2010 earthquake



Port-au-Prince (before)

28 days later



<http://vimeo.com/9182869>



Open Historical Map

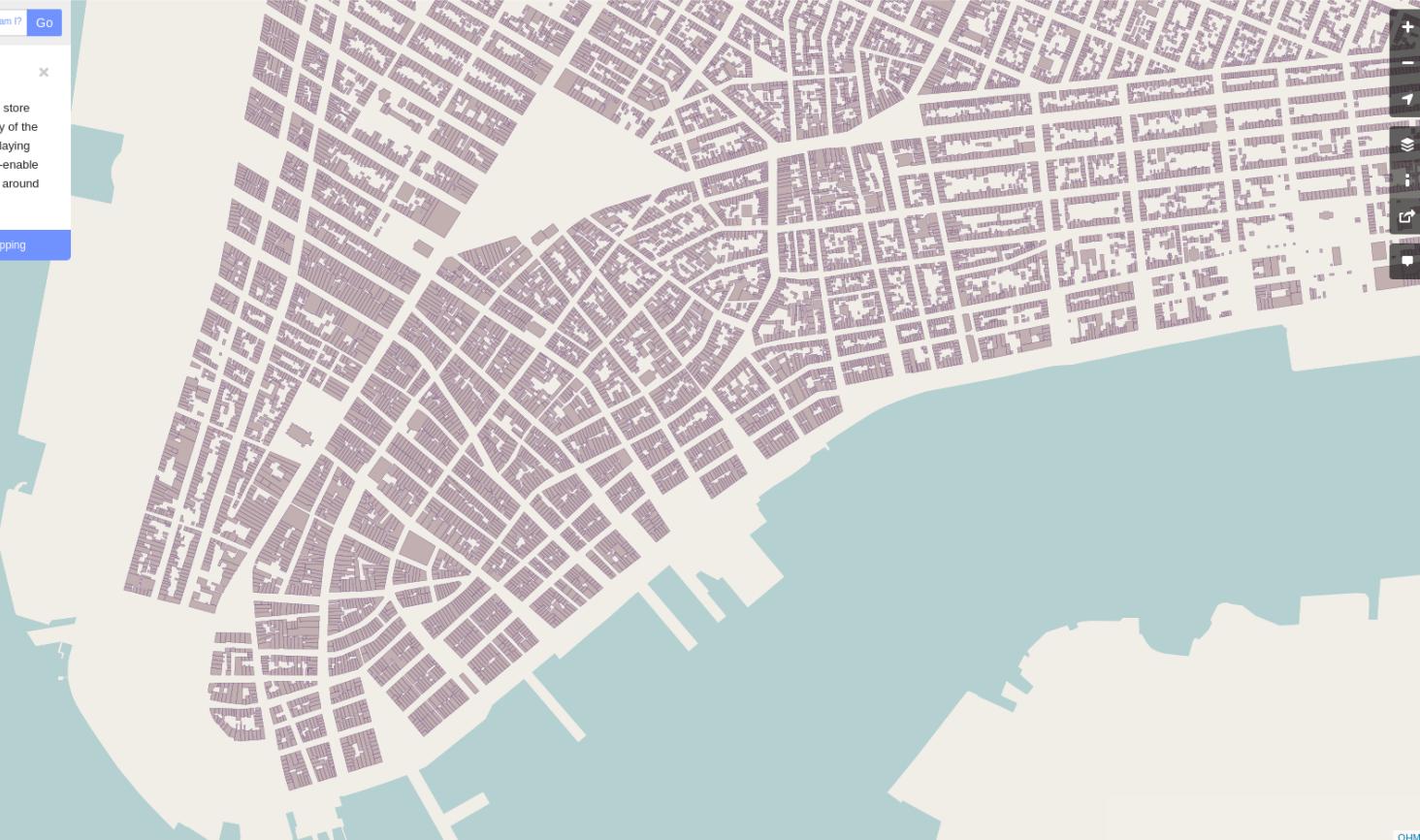
 OpenHistoricalMap [Edit](#) [History](#) [Export](#) [User Diaries](#) [Copyright](#) [Help](#) [About](#) [log in](#) [Sign Up](#)

Search [Where am I?](#) [Go](#)

Welcome to OpenHistoricalMap! [x](#)

OpenHistoricalMap is a project designed to store and display map data throughout the history of the world. This is a work in progress, we'll be playing around with many new features as we time-enable the site. We encourage you to start playing around and editing data, too.

[Learn More](#) [Start Mapping](#)

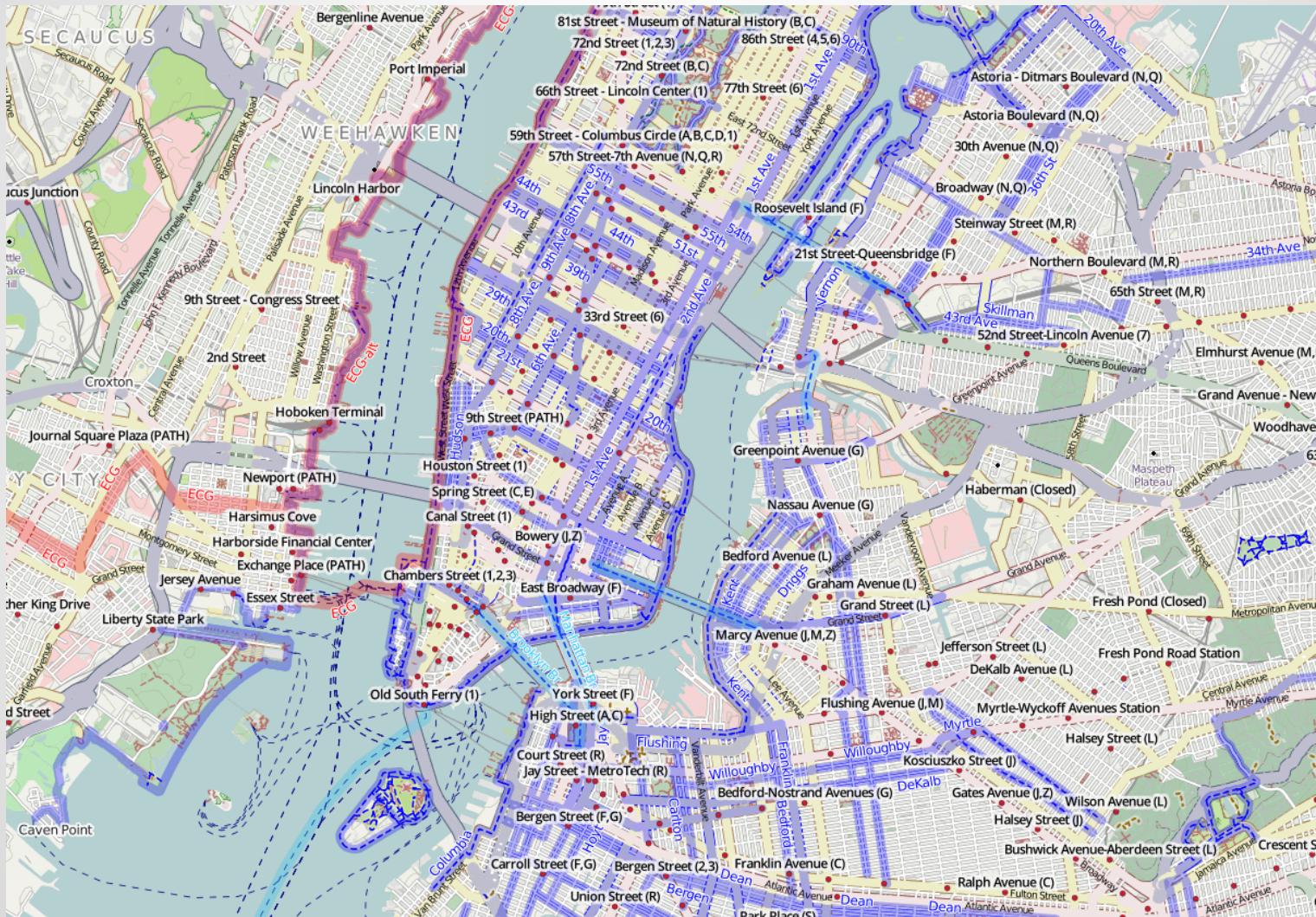


100 m
500 ft

OHM

Map renderings

openCycleMap



<http://www.opencyclemap.org/>

Map renderings

University of Maryland: accessibility routing



UNIVERSITY OF MARYLAND

Search | Layers | Directions

Building to Building Navigation

Instruct: Enter the building Name or Building Number in the Starting/destination locations OR Click the building in the map and use the Directions To/From Option to Find Route. For accessible routes, click Accessible Pathway to find route.

Start Location: ELLICOTT HALL

Building 256

Destination Location: MONTGOMERY HALL

Building 032

Options:

Accessible Pathways

Route Distance: 5174.28 feet

Find Route Clear Map

HIDE MENU

The main map displays the University of Maryland campus grounds, including various buildings like Eppley Recreation Center, La Plata Beach, and the J. Logan & Louise Schutz Football Practice Complex. A red line highlights a specific route from ELLICOTT HALL to MONTGOMERY HALL. The map also shows surrounding areas such as Adelphi, University Park, and Riverdale Park. A legend on the left indicates symbols for buildings, roads, and landmarks. A scale bar at the bottom right shows distances up to 500ft. A small inset map in the bottom left corner provides a broader view of the region, including Chillum, Berwyn Heights, and University Park. The top right corner features social media links (Twitter, Facebook) and links for "Share a Map View", "Feedback / Comments", and "Disclaimer".

Toggle Overview Map

0 300 500ft

0 500 1000m

<http://maps.umd.edu/map/>

OSM routing



OpenStreetMap Edit History Export

Hilton Mexico City Reforma, 70, Juárez, Cuauhtémoc, Mexico City International Airport, Capitán Piloto, Mexico Car (OSRM) Go

Directions

Distance: 9.9km. Time: 0:10.

- Follow Auzaeta
- Turn right onto Juárez
- Turn left onto Lázaro Cárdenas (Eje Central)
- Continue on unnamed road
- Slight right onto Paseo de la Reforma Norte
- Continue on unnamed road
- Slight right onto Rayon (1N)
- Continue on Heroe de Granaditas (1N)
- Slight right onto Av. del Trabajo (1N)
- Continue on Albañiles (Eje 1 Norte)
- Continue on Albañiles (1N)
- Continue on Norte 17 (1N)
- Continue on Hangares Aviación (1N)
- Continue on unnamed road
- Slight right onto Puerto Aereo
- Continue on unnamed road
- Continue on Puerto Aereo
- Continue on Circuito Interior (INT)
- Continue on unnamed road

GPS Traces User Diaries Copyright Help About 15

© OpenStreetMap contributors Mak

Editing OSM



The screenshot shows the OpenStreetMap website interface. At the top, there's a header with the OpenStreetMap logo, a search bar containing "Search Where am I?", a "Go" button, and navigation icons. Below the header is a "Welcome to OpenStreetMap!" message and two blue buttons: "Learn More" and "Start Mapping". The main area is a detailed map of Berlin and its surroundings, including Potsdam and Brandenburg. The map features various road types (e.g., A10, B96, L40) and green areas representing parks and forests. A red box highlights the search bar, and another red box highlights the zoom control in the bottom right corner. At the very bottom, there's a scale bar (3 km/2 mi) and copyright information: "© OpenStreetMap contributors • Make a Donation".

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



The screenshot shows a detailed map of a section of Mexico City, specifically focusing on the Paseo de la Reforma avenue and its surroundings. The map is centered on the Plaza de la República. Key features include:

- Plaza de la República:** A large, light-colored rectangular area.
- Paseo de la Reforma:** A prominent green and yellow double-line road running diagonally across the map.
- Av. de la República:** An orange double-line road running parallel to the Paseo de la Reforma.
- Av. Morelos:** A yellow double-line road running horizontally across the bottom right.
- Av. I. L. Vallarta:** A yellow single-line road running vertically through the center.
- Av. Ignacio Ramírez:** A yellow single-line road running vertically on the right side.
- Av. Ignacio L. Vallarta:** A yellow single-line road running vertically on the left side.
- Av. Ezequiel Montes:** A yellow single-line road running vertically on the far left.
- Av. Madrid:** A yellow single-line road running horizontally near the bottom left.
- Av. Reforma Norte:** A blue dashed line running along the top edge.
- Av. Reforma Sur:** A blue dashed line running along the bottom edge.
- Ciclovía Reforma Norte:** A green dashed line running along the top edge.
- Ciclovía Reforma Sur:** A green dashed line running along the bottom edge.
- Metrobús Linea 1:** A pink dashed line running along the left side.
- Metrobús Linea Centro:** A pink dashed line running along the top edge.

Other labels include: Senado de la República, Palacio Nacional, Hotel Plaza Madrid, Hotel Regente, 7Eleven, Estación de Bomberos "Ave Ferriz", and various landmarks like CANTINA LA ANTIGUA DE COLON, Embassy Suites, and Hotel Reforma Avenue. A red box highlights the 'Edit' button in the top left corner. The top right corner shows user information for 'aude'.

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



OpenStreetMap

Edit History Export

Search features

Search

Point Line Area

Save

GPS Traces User Diaries Copyright Help About

15 aude

Search features

Point Line Area

Save

GPS Traces User Diaries Copyright Help About

15 aude

The screenshot shows the OpenStreetMap editor interface. At the top, there are tabs for 'Edit' (highlighted in green), 'History', and 'Export'. Below that is a search bar with 'Search' and a magnifying glass icon. The main area is a satellite view of a city street. A white polygonal shape is being drawn on the map, representing an area for editing. The map includes several street names: 'Ezequiel Montes', 'Av. C. Vallarta', 'Ignacio Ramírez', 'Cda. L. L. Vallarta', 'Ignacio Ramírez', 'M. Lázaro Cárdenas', 'M. Lázaro Cárdenas', 'Torre Contigo', 'CANTINA LA ANTIGUA DE COLON', 'Paseo de la Reforma', and 'Plaza de la República'. There are also some red shaded areas and a yellow line. At the bottom left, it says 'bing © 2015 DigitalGlobe, © 2015 GeoEye, © 2015 Microsoft Corporation'. At the bottom right, it says 'Edits by jorge_o_zulu, ethelmermaid, and 15 others' and '173'.

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



OpenStreetMap Edit History Export

Select feature type X

Search

- Park
- Hospital Grounds
- Place of Worship
- Cafe** (highlighted with a red box)
- Restaurant
- Fast Food
- Bar
- Bank
- Supermarket
- Point

Point Line Area Save 1

The screenshot shows the OpenStreetMap editor interface. On the left, there's a sidebar titled "Select feature type" with a list of categories: Park, Hospital Grounds, Place of Worship, Cafe, Restaurant, Fast Food, Bar, Bank, Supermarket, and Point. The "Cafe" option is highlighted with a red box. The main area is a satellite map of a city street. A red marker is placed on the map at a specific location. The map shows various streets, buildings, and landmarks like Plaza de la Republica and Torre Contigo. The map has a yellow border and a grid overlay. There are also some red shapes on the map, possibly indicating areas of interest or edit history. At the bottom, there's a copyright notice from Bing and some other text.

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



OpenStreetMap Edit History Export

GPS Traces User Diaries Copyright Help About 15 audie

Edit feature

Point Line Area Save 1

Cafe

Name La Octava

Cuisine regional, pizza, burger...

Internet Access Yes, No, Wifi...

Address 123 Street

City Postcode

Hours Unknown

Smoking No, Separated, Yes...

Add field: website

Website

Wheelchair Access

Wikipedia

amenity

name La Octava

+ All relations (0)

bing © 2015 DigitalGlobe, © 2015 SeeEye, © 2015 Microsoft Corporation

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



OpenStreetMap Edit History Export

GPS Traces User Diaries Copyright Help About 15 aude

Save Changes x

Changeset comment
add cafe|

The changes you upload as aude will be visible on all maps that use OpenStreetMap data.

Save

1 Changes

Created Cafe: La Octava

This screenshot shows the OpenStreetMap editor interface. At the top, there are tabs for 'Edit', 'History', and 'Export'. On the right, there are links for 'GPS Traces', 'User Diaries', 'Copyright', 'Help', 'About', and a user profile for 'aude'. Below the tabs, a 'Save Changes' button has an 'x' next to it. A 'Changeset comment' field contains the text 'add cafe|'. A note below says 'The changes you upload as aude will be visible on all maps that use OpenStreetMap data.' A 'Save' button is also present. The main area shows a satellite view of a city street with several roads and buildings. A new location, 'Cafe: La Octava', is marked with a red outline. Other street names visible include 'Ezequiel Montes', 'Ignacio Villarta', 'Cde. L.L. Vallarta', 'Ignacio Ramírez', 'Ignacio Ramírez', 'M. Lafarga', 'M. Lafarga', 'Torre Contigo', 'Paseo de la Reforma', 'Av. Reforma', 'Ciclovía Reforma Norte', 'Plaza Residences', and 'Embassy Suites'. The bottom left corner of the map shows a 'bing' logo and copyright information from 2015. A scale bar indicates '150 ft'. The bottom right corner shows 'Edits by jorge_o, gercast, ferval, and 20 others' and a version number '1.7.3'.

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



You just edited OpenStreetMap!

Your changes should appear in the "Standard" layer in a few minutes. Other layers, and certain features, may take longer ([details](#)).

 View on OSM



bing © 2015 DigitalGlobe, © 2015 GeoEye, © 2015 Microsoft Corporation

150 ft

Edits by gercast, fcgwalk, ztirzo, and 21 others | 1.7.3

<http://learnosm.org/en/beginner/id-editor/>

Editing OSM



OpenStreetMap

Edit History Export

GPS Traces User Diaries Copyright Help About

15 audie

Search Where am I? Go

Plaza de la República

Ezequiel Montes

Ignacio L. Vallarta

Cda. I. L. Vallarta

Ignacio Ramírez

Ignacio Ramírez

M. Lafarga

M. Lafarga

7Eleven

Antonio Caso

La Octava

CANTINA LA ANTIGUA DE COLON

Plaza Residences

Hotel Plaza Madrid

Hotel Regente

Emboss Suites

Av. Reforma

Reforma Norte

Reforma Sur

Ciclovía Reforma Norte

Paseo de la Reforma

Ciclovía Reforma Sur

Paseo de la Reforma

Av. Reforma Ciclovía Reforma Sur

Torre Contigo

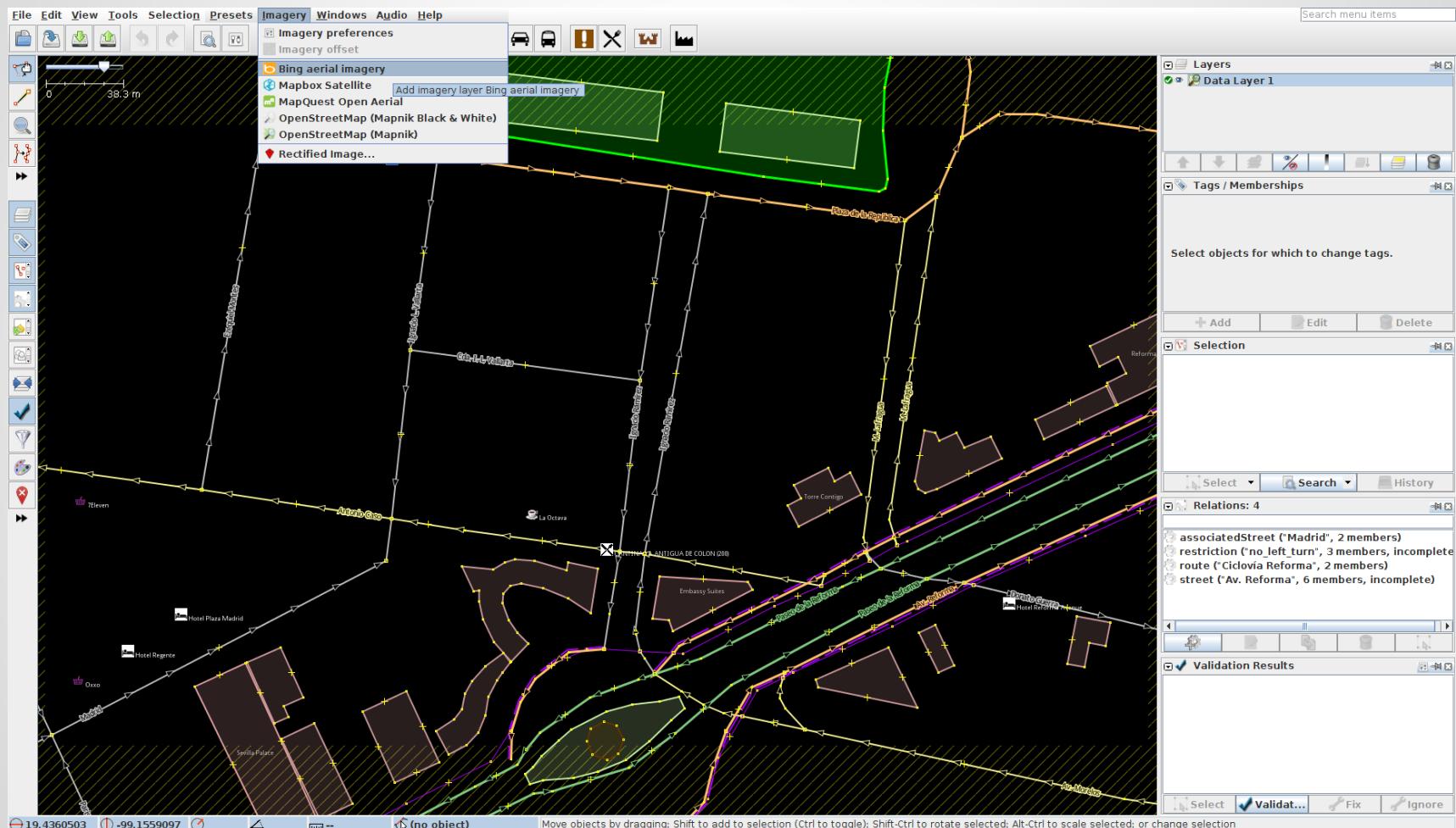
Hotel Reforma Avenue

20 m
50 ft

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<http://learnosm.org/en/beginner/id-editor/>

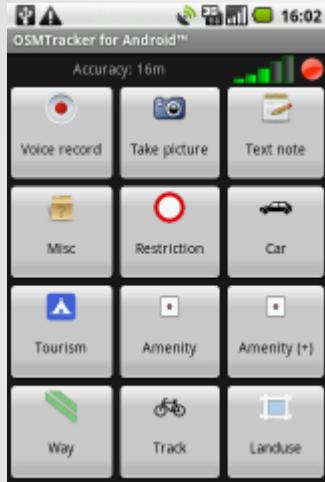
Editing OSM - JOSM



<https://josm.openstreetmap.de/>
<http://learnosm.org/en/josm/>



Editing OSM - Mobile apps



OSM Tracker (Android)



Pushpin (iOS)

<http://wiki.openstreetmap.org/wiki/Software/Mobile>

<http://learnosm.org/en/mobile-mapping/>

Field papers



Field Papers

HACER
un atlas para imprimir

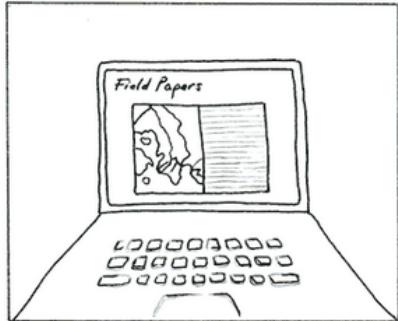
SUBIR
páginas que marcó

VER
actividad reciente

AMPLIAR
con herramientas avanzadas

INICIAR SESIÓN
o crear una cuenta

Bienvenido a Field Papers



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[Capture sus notas](#)

[Suba](#) páginas que ha fotografiado.

Field Papers es construido por [Stamen Design](#) / [Acerca del proyecto](#) / [Ayuda](#)

Datos del mapa © Contribuidores de OpenStreetMap, [Toner](#) por Stamen, [Bing](#) por Microsoft, [Mapbox](#), o una combinación de estos.

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[Blog de desarrollo](#) [GitHub](#) [Issues](#) [Translations](#)

<http://fieldpapers.org/>

Mapillary



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Destination... Search

Mapillary Jan 23, 2015 • jaakkoh 10 related 0 i Blur

Lower Potomac River Francis Scott Key Bridge US 29

FRANCIS SCOTT KEY BRIDGE Lower Potomac River

Potomac Heritage Trail

Lower Potomac River

Mapillary map showing a street view image of a city street with buildings and cars, overlaid with a map of the area. The map includes street names like N ST NW, M ST NW, O ST NW, and various alleys. A blue line traces a path through the area, starting from the bridge and moving inland. A green dot marks a specific location on the map. The map also shows the Chesapeake and Ohio Canal Trail and Georgetown Waterfront Park.

Mapbox © OpenStreetMap | Improve this map

<http://www.mapillary.com/>

Map Roulette



This node has addr:housenumber without a corresponding addr:street tag, or it is not a member of a relation like street or associatedStreet. Please fix it adding addr:street tag or editing a relation.

We are somewhere on earth..

The sidebar on the right contains the following information:

- OpenStreetMap MapRoulette**
signed in as aude, [sign out](#)
Italian Wrong Addresses
- More help for this challenge
- Select a different challenge
- MapRoulette Metrics
- This challenge has about 32130 tasks, and we still need to fix about 7180 of them.
- THIS IS NOT AN ERROR**
- I'M NOT SURE / SKIP**
- EDIT IN ID** e
- EDIT IN JOSM** f

Leaflet | © OpenStreetMap contributors

HOT tasking manager



OSM Tasking Manager You are aude ▾

Ebola Outbreak, Panguma, Kenema, Segbwema (Sierra Leone) -- Updated Imagery, 2014-07-12

[Description](#) [Instructions](#) [Task](#) [Users](#) [Stats](#)

Author: HOT
Requesting org.: IFRC / Red Cross
Priority: High

The International Federation of Red Cross and Red Crescent Societies (IFRC) is deploying for the Ebola epidemic going on there. More detailed basemap data (roads, villages, streets, buildings) is needed to assist in the response.

Justification There is a resurgence of the Ebola outbreak, and a risk of the epidemic spreading with the multiplication of sites of infection. There are difficulties, including in forests of Sierra Leone with tracing the point of contact and delivering the message to the population about the infection. Both the Red Cross ([redcross](#)) and MSF ([MSF](#)) are deploying in Sierra Leone where various sites have been identified.

MapGive
Through the [MapGive](#) project, the Humanitarian Information Unit ([HIU](#)) of the U.S. Department of State is providing the OpenStreetMap community access to updated satellite imagery services to help assist with humanitarian mapping.

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Total (319) Done (88) Validated (4) Curr. worked on (1)

Designed and built for the [Humanitarian OpenStreetMap Team](#) with initial sponsorship from the Australia-Indonesia Facility for Disaster Reduction. See the [about](#) page for complete information.

Fork the code on [github](#).

<http://tasks.hotosm.org>

Make a map - uMap



 **umap**

Log in / Sign in About Feedback

Create a map

Search maps

Search



uMap let you create maps with [OpenStreetMap](#) layers in a minute and embed them in your site.



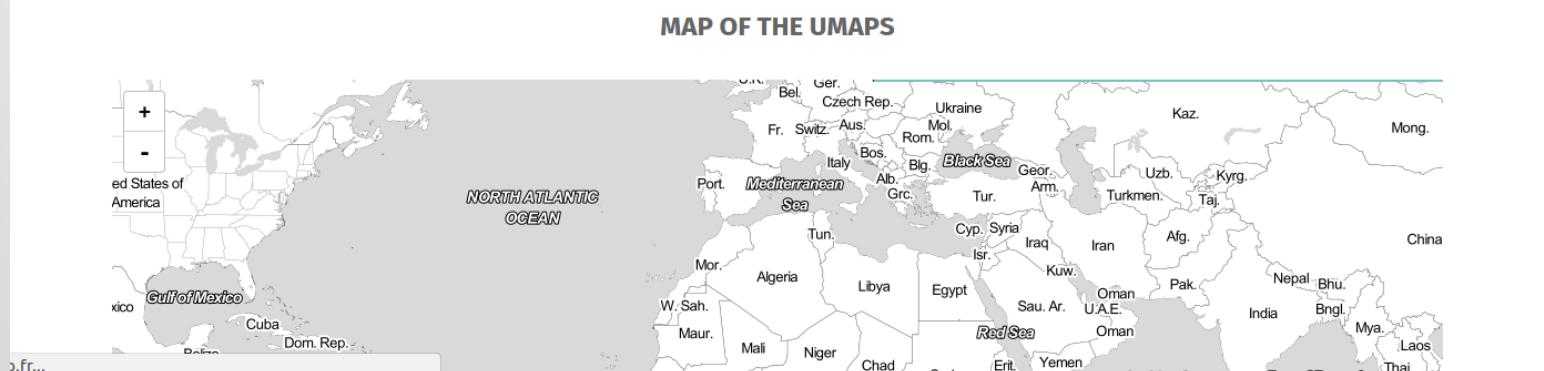
✓ Choose the layers of your map
✓ Add POIs: markers, lines, polygons...
✓ Manage POIs colours and icons
✓ Manage map options: display a minimap, locate user on load...
✓ Batch import geostructured data (geojson, gpx, kml, osm...)
✓ Choose the license for your data
✓ Embed and share your map



And it's [open source!](#)!

Create a map

Play with the demo



<https://umap.openstreetmap.fr/>

OSM planet data



Planet OSM

The files found here are regularly-updated, complete copies of the OpenStreetMap.org database, and those published before the 12 September 2012 are distributed under a Creative Commons Attribution-ShareAlike 2.0 license, those published after are Open Data Commons Open Database License 1.0 licensed. For more information,

[see the project wiki.](#)

Complete OSM Data

[Latest Weekly Planet XML File](#)

43 GB, created 2 days ago.

md5: 018ed07f9e42f93210ec1ae7a805d24b.

[Latest Weekly Changesets](#)

1.2 GB, created 2 days ago.

md5: 7b3599b392dd9bb5e898b0d51279d64e.

[Latest Weekly Planet PBF File](#)

28 GB, created 2 days ago.

md5: db413dee54246d432463cea6218ebf48.

Each week, a new and complete copy of all data in OpenStreetMap is made available as both a compressed XML file and a custom PBF format file. Also available is the '[history](#)' file which contains not only up-to-date data but also older versions of data and deleted data items.

A smaller file with complete metadata for all changes ('changesets') in XML format is also available.

If you find data within OpenStreetMap that you believe is an infringement of someone else's copyright, then please make contact with the [OpenStreetMap Data Working Group](#).

Using The Data

You are granted permission to use OpenStreetMap data by [the OpenStreetMap License](#), which also describes your obligations.

You can [process the file](#) or extracts with a variety of tools. [Osmosis](#) is a general-purpose command-line tool for converting the data among different formats and databases, and [Osm2pgsql](#) is a tool for importing the data into a Postgis database for rendering maps.

[Processed coastline data](#) derived from OSM data is also needed for rendering usable maps, and can be found in a [single shapefile](#) (360MB).

Extracts & Mirrors

The complete planet is very large, so you may prefer to use one of [several periodic extracts](#) (individual countries or states) from third parties. [GeoFabrik.de](#) and [BBBike.org](#) are two providers of extracts with up-to-date worldwide coverage.

Name	Last modified	Size	Description
replication/	2015-07-18 10:47	-	
notes/	2015-07-18 03:06	-	
tile logs/	2015-07-17 22:45	-	

<http://planet.openstreetmap.org/>

OSM extracts



OpenStreetMap Data Extracts

Welcome to Geofabrik's free download server. This server has data extracts from the [OpenStreetMap project](#) which are normally updated every day. Select directed to this page from elsewhere and are not familiar with OpenStreetMap, we highly recommend that you read up on OSM before you use the data.) The

Willkommen auf dem Geofabrik-Downloadserver. Hier gibt es Daten-Auszüge aus dem [OpenStreetMap-Projekt](#), die normalerweise täglich aktualisiert werden. Daten benötigen. (Wenn Sie von anderswo auf dieser Seite gelandet sind und von OpenStreetMap nichts wissen, dann ist es empfehlenswert, sich mit dem von der Geofabrik GmbH kostenlos angeboten.

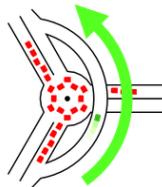
Click on the region name to see the overview page for that region, or select one of the file extension links for quick access.

Sub-Region	Quick Links		
	.osm.pbf	.shp.zip	.osm.bz2
Africa	[.osm.pbf]	✗	[.osm.bz2]
Antarctica	[.osm.pbf]	[.shp.zip]	[.osm.bz2]
Asia	[.osm.pbf]	✗	[.osm.bz2]
Australia and Oceania	[.osm.pbf]	✗	[.osm.bz2]
Central America	[.osm.pbf]	✗	[.osm.bz2]
Europe	[.osm.pbf]	✗	[.osm.bz2]
North America	[.osm.pbf]	✗	[.osm.bz2]
South America	[.osm.pbf]	✗	[.osm.bz2]

[Technical details](#) about this download service.

[Old, CC-BY-SA licensed data](#) from before OpenStreetMap's license change.

Overpass API



**Overpass
API**

Use

POIs showing Maps

JOSM Plugins

Public Transport Diagrams

Permanent OSM ID

Query

Query and Convert Forms

Language Guide

Language Reference

Areas

Employ

Output Formats

OpenLayers mashup

Wiki template handling

Command Line and HTTP handling

Clone

Technical overview

No frills

Complete installation

Source Code

Overpass API



TileMill overpass turbo overpass-turbo.eu

Run Share Export Wizard Save Load Settings Help overpass turbo

Map Data

```
/*
1 This is an example Overpass query.
2 Try it out by pressing the Run button above!
3 You can find more examples with the Load tool.
4
5 */
6 node
7 [tourism=museum]
8 ({bbox});
9 out;
```

500 km

Loaded - nodes: 5565, ways: 0, relations: 0
Displayed - polis: 5565, lines: 0, polygons: 0

<http://overpass-turbo.eu/>

Overpass API



Run Share Export Wizard Save Load Settings Help overpass turbo ↗

Flatten this! Map Data

```
1 /*  
2 This is an example Overpass query.  
3 Try it out by pressing the Run button above!  
4 You can find more examples with the Load tool.  
5 */  
6 node  
7 [tourism=museum]  
8 ({bbox});  
9 out;
```

Export

▼ Data

- as [geoJSON](#)
- as [GPX](#)
- as [KML](#)
- raw [data](#)

raw data directly from [Overpass API](#)

load data into an OSM editor: [JOSM](#)

[Level0](#)

save GeoJSON to [gist](#)

► Map

► Query

done

```
1 <?xml version="1.0" encoding="UTF-8"?>  
2 <osm version="0.6" generator="Overpass API">  
3 <note>The data included in this document is from www.openstreetmap.org. The data is made available under ODbL.</note>  
4 <meta osm_base="2015-07-18T19:44:03Z"/>  
5  
6 <node id="270108950" lat="19.4368585" lon="-99.1476336">  
7 <tag k="historic" v="memorial"/>  
8 <tag k="tourism" v="museum"/>  
9  
10 "19.7132903" lon="-99.2212211">  
11 Nacional del Virreinato"/>  
12 eum"/>  
13  
14 "19.2653736" lon="-99.1247023">  
15 Dolores Olmedo Patiño"/>  
16 eum"/>  
17  
18 "19.3574731" lon="-99.1591884">  
19 &quot;León Trotsky&quot;/>  
20 eum"/>  
21  
22 "19.3488799" lon="-99.1772823">  
23 r="88"/>  
24 v="04010"/>  
25 "Salvador Novo"/>  
26 de la Acuarela Alfredo Guati Rojo"/>  
27 v="Tu-Su 10:00-18:00"/>  
28 5 51304600"/>  
29 eum"/>  
30  
31 "19.4312680" lon="-99.1633886">  
32 e Carranza"/>  
33 eum"/>  
34  
35 "19.3547658" lon="-99.1488569">  
36 de las Intervenciones"/>  
37 eum"/>  
38  
39 "19.3499065" lon="-99.1610463">  
40 <tag k="name" v="Nacional de Culturas Populares"/>  
41 <tag k="tourism" v="museum"/>  
42 </nodes>  
43 <node id="729787004" lat="19.2894424" lon="-99.1688059">  
44 <tag k="name" v="Casa Frisac"/>  
45 <tag k="tourism" v="museum"/>  
46 </node>  
47 <node id="729787005" lat="19.2878525" lon="-99.1667460">  
48 <tag k="name" v="Museo de Historia de Tlalpan"/>  
49 <tag k="tourism" v="museum"/>  
50 </node>  
51 <node id="739035845" lat="19.3393127" lon="-99.1925055">  
52 <tag k="addr:houseNumber" v="46"/>  
53 <tag k="addr:postcode" v="01090"/>  
54 <tag k="addr:street" v="Altamirano"/>  
55 <tag k="name" v="Museo Soumaya"/>  
56 <tag k="tourism" v="museum"/>  
57 </node>  
58 <node id="860309900" lat="19.4286347" lon="-99.1568135">  
59 <tag k="name" v="Museo de Ripley"/>  
60 <tag k="tourism" v="museum"/>  
61 </node>
```

Make a map - Tilemill



The screenshot shows the TileMill application interface. On the left is a sidebar with icons for Editor, Projects, Manual, Plugins, and Settings. The main workspace displays a world map with a dark teal color scheme. A 'Layers' panel at the bottom left shows a single layer named '#countries'. A central 'museums' panel shows a map of North America with a light gray background. An 'Add layer' dialog box is open in the foreground, overlaid on the map. The dialog has tabs for File (selected), SQLite, and PostGIS. It contains fields for 'ID' (set to 'museums'), 'Class' (empty), 'Datasource' (set to '/home/filbertkm/museums.geojson'), 'SRS' (set to 'Autodetect'), and 'Advanced' options ('option1=? option2=?'). At the bottom are 'Save', 'Save & Style', and 'Cancel' buttons.

<http://wiki.openstreetmap.org/wiki/TileMill>

Make a map - Tilemill



The screenshot shows the Tilemill map editor interface. On the left, there's a vertical toolbar with icons for Editor, Projects, Manual, Plugins, and Settings. Below that is a zoom control with buttons for zooming in and out, and a current zoom level of ZOOM 3. The main workspace displays a map of North America with a light blue background. Overlaid on the map are numerous small red circular markers representing museum locations, primarily concentrated in the United States and Canada. The bottom left corner features a 'Layers' panel with two entries: '#museums' (selected) and '#countries'. The bottom right corner contains a color palette with three swatches: a teal square, a white square, and a red square. On the right side of the screen is the 'style.mss' file, which contains the CSS-like styling for the map layers:

```
1 Map {
2   background-color: #b8dee6;
3 }
4
5 #countries {
6   ::outline {
7     line-color: #85c5d3;
8     line-width: 2;
9     line-join: round;
10  }
11  polygon-fill: #fff;
12 }
13
14 #museums {
15   marker-fill: #df0000;
16   marker-width: 2;
17   marker-opacity: .4;
18   marker-line-opacity: 0;
19   marker-allow-overlap: true;
20 }
```

<http://wiki.openstreetmap.org/wiki/TileMill>

OSM on Wikipedia (WikiMiniAtlas)



to improve this article in

ially known as **México**, D is not part of any one of the

ico (Valle de México), a

mi).[15] According to the western hemisphere, the

the richest metropolitan area as a stand-alone country,

l Quito. The city was orig and rebuilt in accordance with the Spanish urban standards. In 1524, the o (Mexico City).[20] Mexico City served as the political, administrative and created in 1824.

representatives of the unicameral Legislative Assembly by popular vote in

Coordinates: 19°26'N 99°8'W

Wikimedia Commons / Map data © OpenStreetMap contributors, License

OSM on Wikipedia (WiWOSM)



Artikel Diskussion Lesen Bearbeiten Versionsgeschichte Suchen Koordinaten: 19° 25' N, 99° 9' W | [Bearbeiten](#) [Hilfe](#) [Permalink](#)

Mexiko-Stadt

Mexiko-Stadt (spanisch *Ciudad de México* oder *México D.F.*) ist die Hauptstadt von Mexiko. Sie gehört zu keinem Bundesstaat, sondern bildet einen **bundesunmittelbaren Hauptstadtbezirk (Distrito Federal)**, in dem 8,8 Millionen Menschen (2010) leben. Die Metropolregion **Zona Metropolitana del Valle de México** (ZMVM), zu der Mexiko-Stadt, der östliche Teil des Bundesstaates **México** und eine Gemeinde aus dem **Staat Hidalgo** gehören, ist mit 20 Millionen Einwohnern einer der größten der Erde.

Die Stadt ist politischer, wirtschaftlicher, sozialer und kultureller Mittelpunkt sowie größter Verkehrsknotenpunkt des Landes. Sie ist Sitz des **Erzbistums Mexiko** sowie zahlreicher Universitäten, Hoch- und Fachschulen. Die UNESCO hat ihr historisches Zentrum mit den Überresten der **Aztekenhauptstadt Tenochtitlan** sowie die Wassergärten im Stadtteil **Xochimilco** 1987 und den zentralen **Universitätscampus der Universidad Nacional Autónoma de México**⁸¹ im Jahr 2007 zum **Weltkulturerbe** erklärt.

Mexiko-Stadt

OSM on Wikivoyage



Understand · Get in · Get around · See · Do · Buy · Eat · Drink · Sleep · Stay safe · Connect

The old city center or Centro Historico of Mexico City, centered around the Plaza de la Constitucion, is an area clearly different from the rest of the city. Its colonial and European architecture and narrow cobblestone streets set it apart from the rest of Mexico City. It has an enormous amount of stores, street vendors, and especially crowds. Without a doubt, this area is one of the most popular areas in Mexico City.

Understand [\[edit\]](#)

The Centro Historico, the original foundation of Mexico City, was built on the ruins of Tenochtitlan, the Aztec empire capital established around 1325 and destroyed by the Spanish in 1521. It contains a large amount of old buildings that date back to the 16th century. Due to its importance, it was included in UNESCO's list of [world heritage](#) places in 1987.



The Cathedral

Get in [\[edit\]](#)

Other areas of the city are also experiencing closings for bicycle use only.

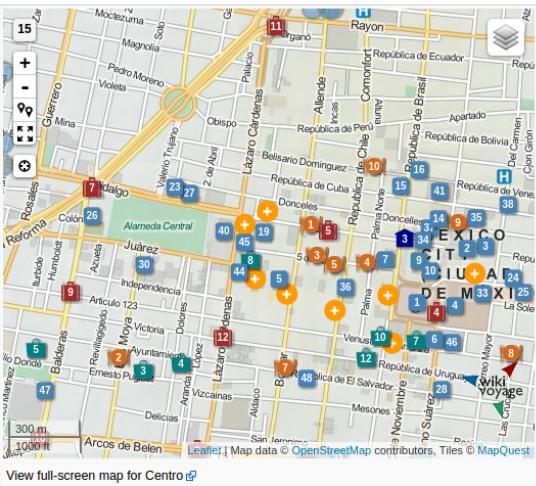
Government web page that advises on routes that will be closed to vehicular traffic: [1] [\[edit\]](#)

By metro [\[edit\]](#)

This is probably the best way to reach the Centro Historico, however, all the stations in the area are consistently crowded, so be prepared and alert for pickpockets.

There are various Metro lines that connect the Centro Historico with the rest of the city.

- Line 1 (pink): **1 Pino Suarez**, **2 Isabel La Católica** and **3 Salto del Agua** stations.
- Line 2 (blue): **Pino Suarez**, **4 Zocalo** (your best choice for direct access), **5 Allende**, **6 Bellas Artes**, **7 Hidalgo** and **8 Revolucion** stations.
- Line 3 (light green): **Hidalgo**, **9 Juárez** and **10 Balderas** stations.
- Line 8 (dark green): **11 Garibaldi**, **Bellas Artes**, **12 San Juan de Letrán** and **Salto del Agua** stations.



By Turibus [\[edit\]](#)

The hop-in hop-off double-decker bus makes a stop just north of the Zocalo in Monte de Piedad street in the west side of the cathedral. The one-day pass costs \$140 MXN (\$160 MXN for English version of the excursion – do not forget to ask for your headphone!).

By Metrobús [\[edit\]](#)

Line 4 (orange) of the Metrobús system has two branches that ride through the Centro Histórico. Both branches run from the Buenavista train station to the San Lazaro station adjacent to the East bus terminal (TAPO). In both branches there are a few specially marked buses that will continue beyond San Lazaro to Mexico City's airport, serving both terminals. Buses going to or coming from the airport charge \$30 MXN instead of the regular Metrobús fare (6 pesos).

By trolley bus [\[edit\]](#)

The Trolley Bus rides along Eje Central Avenue. Ask the driver to drop you off at Madero street.

By car [\[edit\]](#)

This is the least recommended way to get around Centro Historico since the streets are always jammed with hundreds of cars especially during

Bike Day

Every Sunday Ave. Reforma is closed to motor vehicles due to "bike" day (confined streets for bicycle use only).

OSM on Wikipedia (future)



- Production tile server
- Maps in Special:Nearby and in the apps

<https://www.mediawiki.org/wiki/Maps>

OpenStreetMap Workshop

Wikimania 2015

Katie Filbert - @filbertkm / @hotosm

<http://filbertkm.github.io/slides>

