

OpenStreetMap Workshop

WikiConference North America

Katie Filbert - @filbertkm / @hotosm



OpenStreetMap



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

The image shows two screenshots of the OpenStreetMap website. The top screenshot displays a detailed map of Mexico City's downtown area, including the Alameda Central, various plazas like Plaza de la Constitución and Plaza de la República, and numerous landmarks such as the National Palace, the Angel of Independence, and the National Museum of Anthropology. The bottom screenshot is a zoomed-in view of the Plaza de la Solidaridad, showing a grid of buildings and streets. It includes a sidebar with edit tools and a legend for feature types like Park, Hospital Grounds, Place of Worship, Cafe, Restaurant, Fast Food, Bar, Bank, Supermarket, and Point. A watermark for "bing" is visible at the bottom of the zoomed-in map.

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

Disneyland (California)





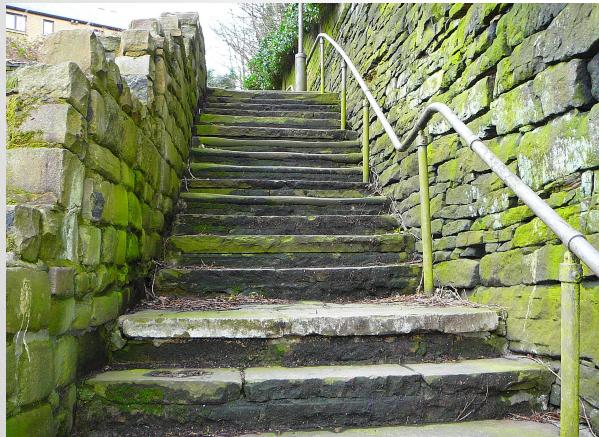
Map features



cycleway = lane



amenity = cafe



highway = steps



tactile_paving = yes

Map features



https://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
Subentries					
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=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;shop,bistro</code> or <code>sidewalk_cafe</code> . The kind of food served may be mapped with the tags <code>cuisine=* and 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> .		

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



amenity=cafe

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

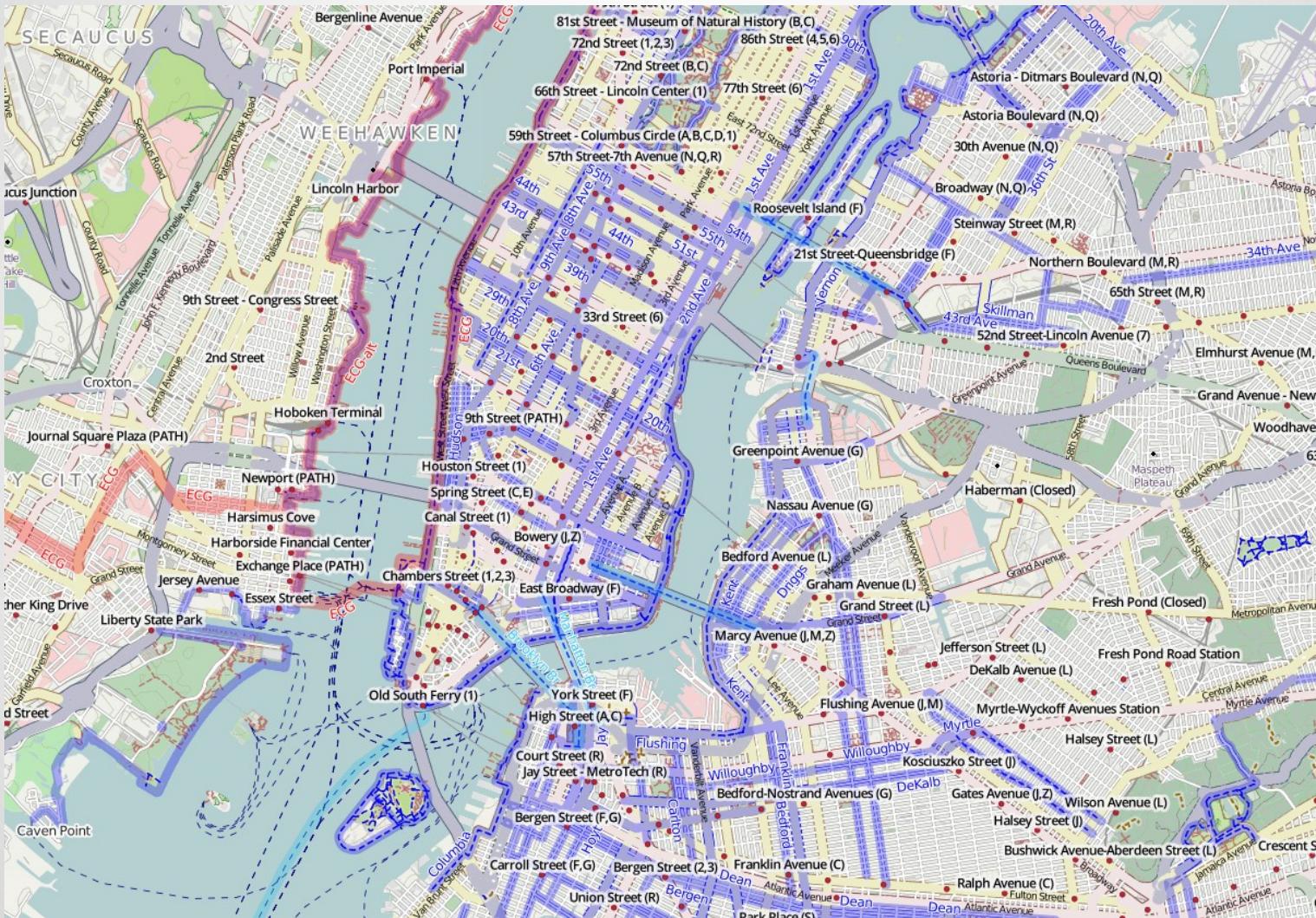
[Overview](#) [Combinations](#) [Map](#) [Wiki](#) [Projects](#)

Overview

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

Map renderings

openCycleMap



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

Map renderings

University of Maryland: accessibility routing



UNIVERSITY OF MARYLAND

Search | Layers | Directions

HIDE MENU

Building to Building Navigation

Instructions: Enter the Building Name or Building Number in the Start/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

Toggle Overview Map

Satellite

Share a Map View | Feedback / Comments | Disclaimer

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



OSM routing

OpenStreetMap Edit History Export

Hilton Mexico City Reforma, 70, Juárez, Cuauhtémoc, Mexico City International Airport, Capitán Piloto, 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

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Ciudad de México

OpenStreetMap contributors Mak

Editing OSM



<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

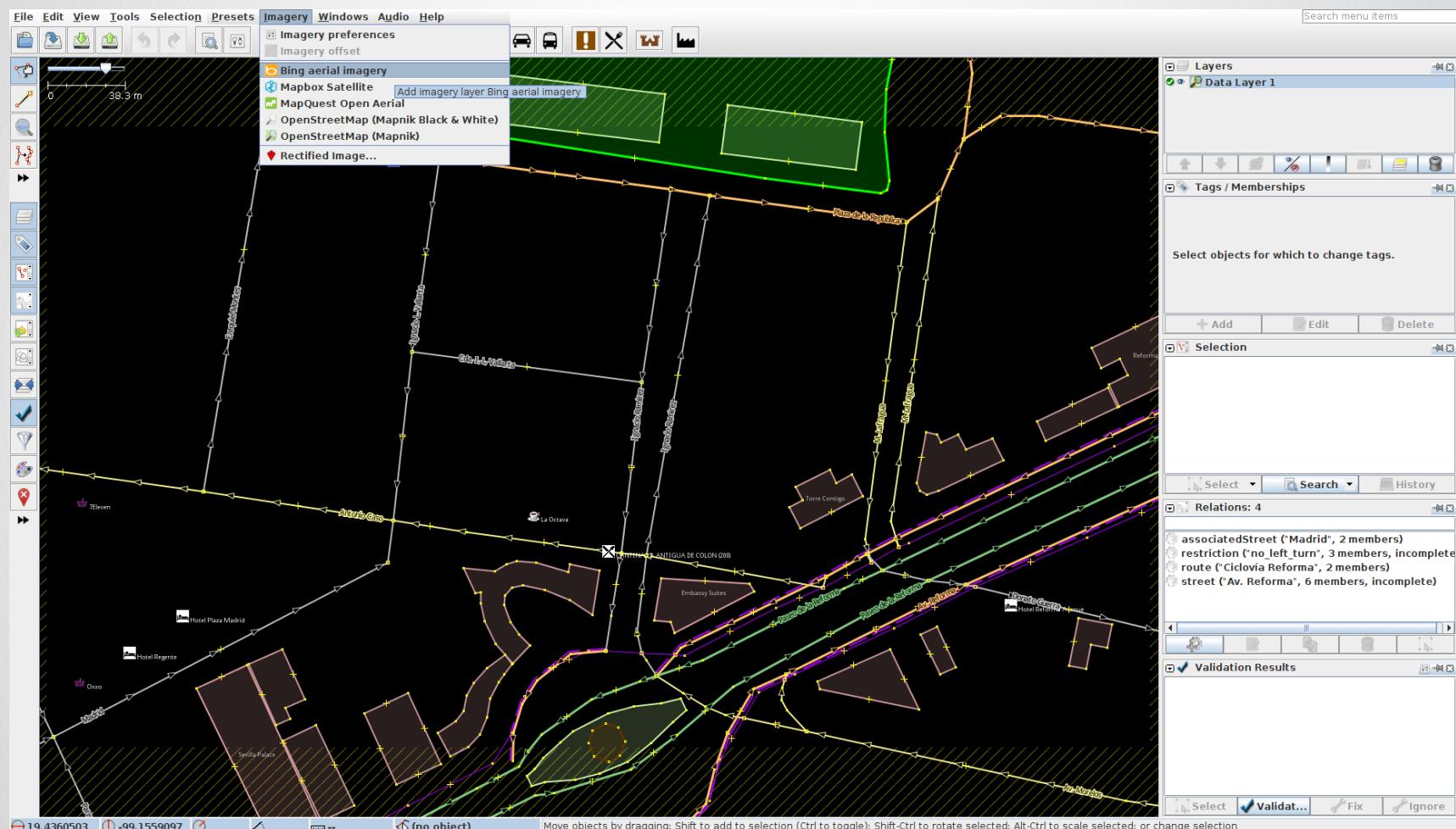
name La Octava

+ All relations (0)

<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

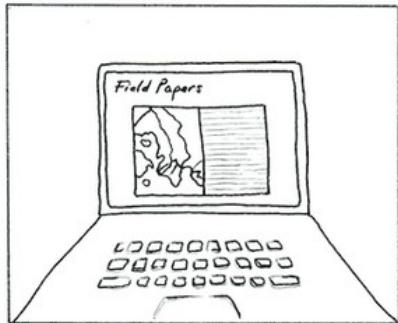
SUBIR
páginas que marcó

VER
actividad reciente

AMPLIAR
con herramientas avanzadas

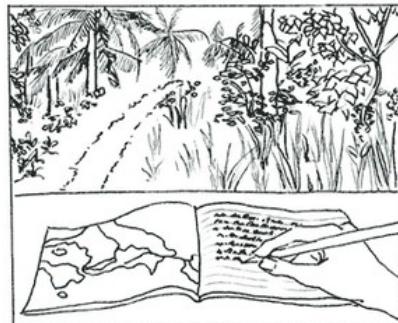
INICIAR SESIÓN
o crear una cuenta

Bienvenido a Field Papers



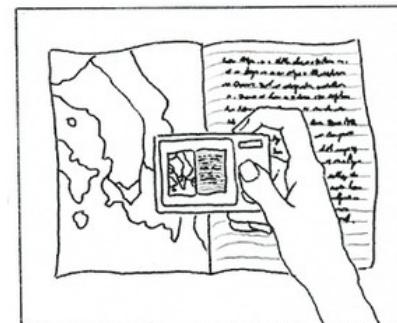
[Haga usted mismo un atlas](#)

Imprima cualquier lugar del mundo.



[Llévelo al terreno](#)

Haga sus notas y observaciones.



[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.

[Dansk](#) [Deutsch](#) [English](#) [Español](#) [Français](#) [Bahasa Indonesia](#) [Italiano](#) [日本語](#) [కుర్డ](#) [Nederlands](#) [Polski](#) [Português](#) [Kiswahili](#) [Tagalog](#) [Українська](#)

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

<http://fieldpapers.org/>

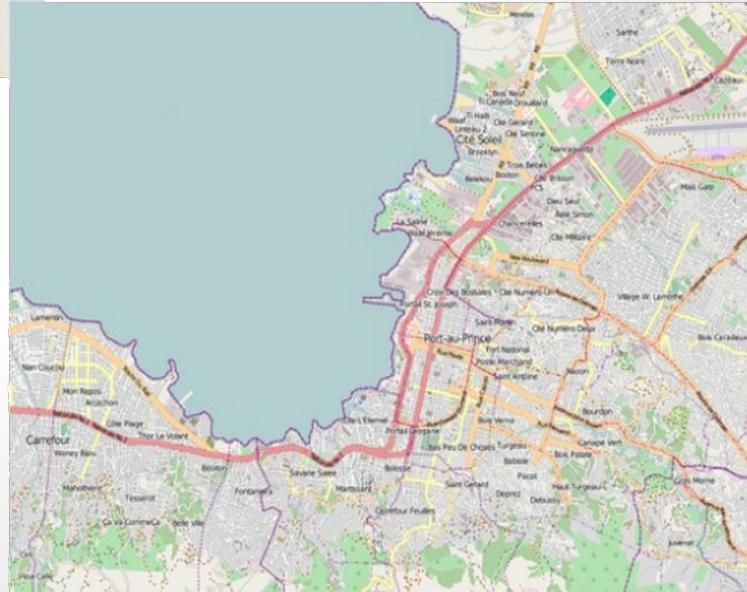
Humanitarian mapping

Haiti 2010 earthquake



Port-au-Prince (before)

28 days later



<https://vimeo.com/9182869>

HOT tasking manager



MEDIUM 0 - Active Mappers

#5126 - Missing Maps: South Central Myaungmya, Myanmar

[SHARE](#)

The Red Cross is mapping the Ayeyarwady Delta area in Myanmar as part of a multi-year mapping and data readiness activity to better understand where critical infrastructure and roads are to inform decision making during potential disasters. As recently as 2008 a cyclone killed at least 77,000 people with over 55,900 missing, and left about 2.5 million homeless. The map data will help the Red Cross to better understand where people live in relation to potential hazards so that we can help them be prepared for the disaster and so national decision makers can make better decisions in the immediate aftermath of a disaster.

The Missing Maps project aims to map the most vulnerable places in the world (affected by humanitarian crises: disease epidemics, conflict, natural disasters, poverty, environmental crises). Building on HOT's disaster preparedness projects, the Missing Maps tasks facilitate pre-emptive mapping of priority countries to better facilitate disaster response, medical activities and resource allocation when crises occur.

Status:	PUBLISHED	Created by:	edircksen
Last updated:	9 hours ago	Difficulty:	BEGINNER
Priority:	MEDIUM	Type(s) of mapping:	BUILDINGS
Organisation:	American Red Cross	Campaign:	Missing Maps
Mapper level required:	No	Validator role required:	No

Instructions Map Validate Questions and Comments

Instructions

Entities to map
buildings

HOT tasking manager



Missing Maps: South Central Myaungmya,
Myanmar

<https://tasks.hotosm.org/project/5126>

(also is OpenStreetMap US tasking manger)

<https://tasks.openstreetmap.us>

<http://tasks.hotosm.org>

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