

Validando el mapa

FOSS4G + SOTM Argentina 2017

Karito Tenorio

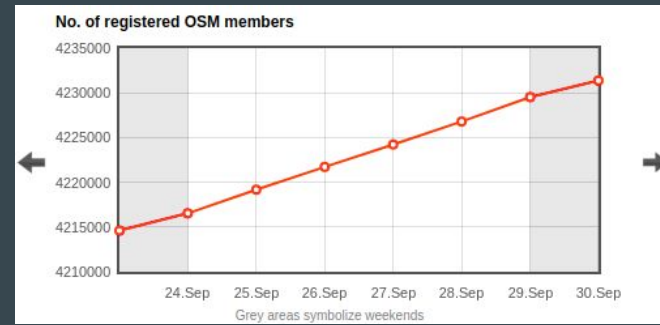




Proyecto de datos abiertos



- Más de 4 millones de usuarios registrados en OpenStreetMap



- ~30,000 cambios creados todos los días

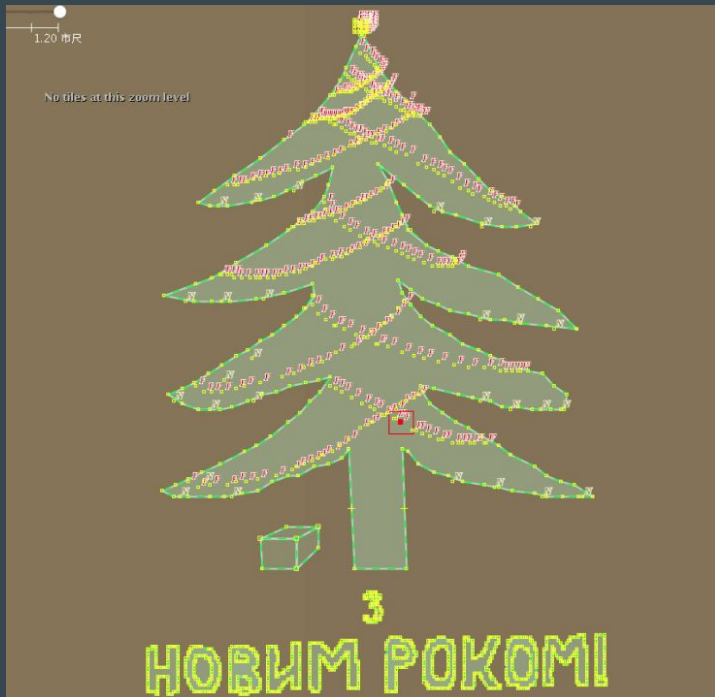


Fuente: <https://osmstats.neis-one.org>

Estadísticas de OSM



Por qué validar?



Datos incorrectos

Roturas en el mapa



Todos pueden cometer errores

Contribuidores nuevos

Contribuidores con experiencia



60% de los cambios nocivos
son de
Contribuidores nuevos



Contribuidores Nuevos

Naturalmente cometen errores

No conocen las guías de contribución

No familiarizados con el sistema de etiquetado

No familiarizados con las herramientas de edición

No están al tanto de la Comunidad





Geometría incorrecta





Etiquetado incorrecto



DETAILS

5 0 0

newer (4 edits) created 3 months ago

Air Force Sperm Bank

Translate

New mapper

Profanity tag

SOURCE

Not reported

EDITOR

ID 2.3.1

IMAGERY

WAY: 509065000

OSM

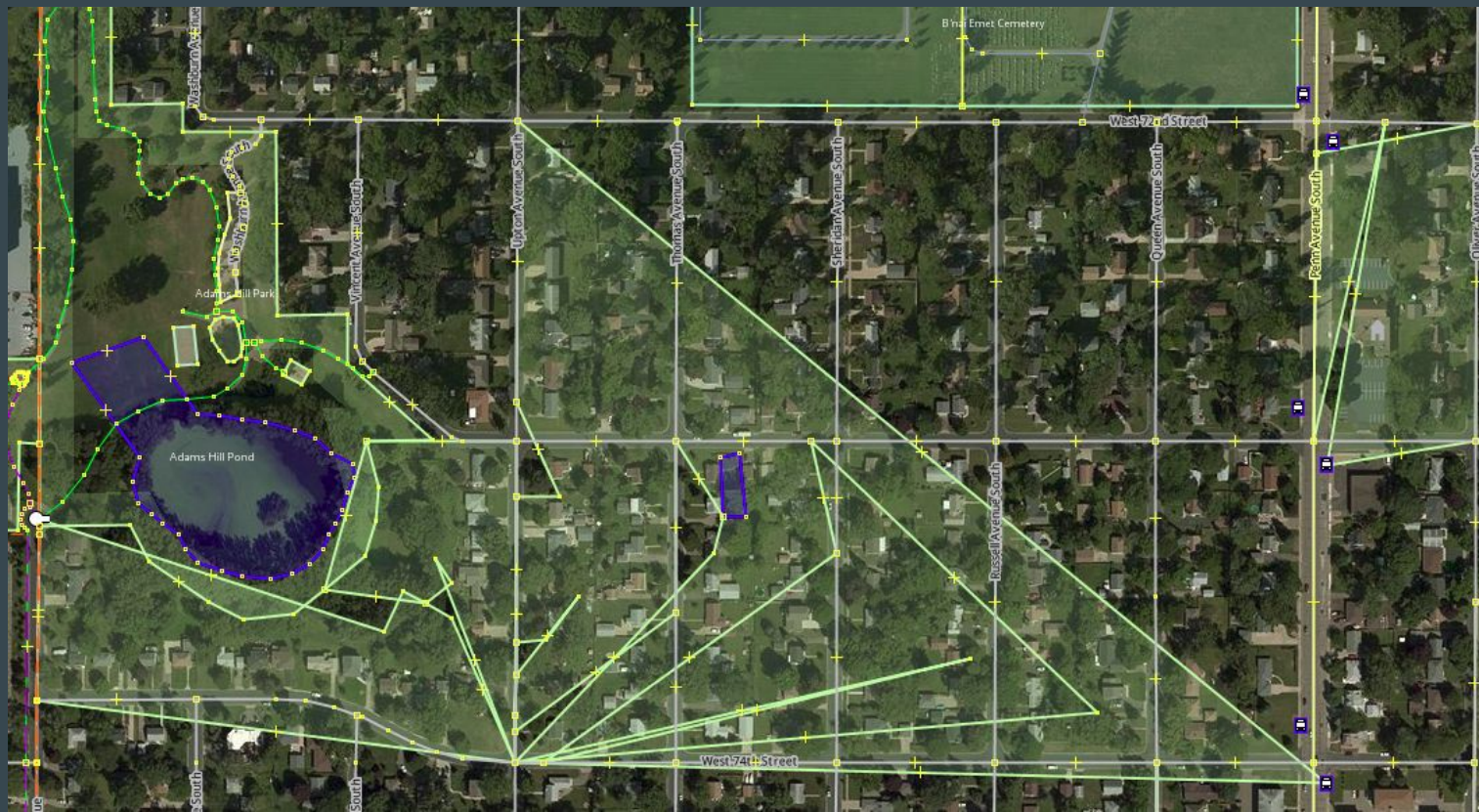
Deep History

version	1
timestamp	2017-07-20T19:30:32Z
changeset	50440551
uid	6350538
user	loner boner

addr:postcode	92110
addr:state	California
addr:street	Midway Drive
building	commercial
description	Fertile but bald
name	Casa d'el Idiota
smoking	separated

Esta etiqueta de descripción parece útil





Ediciones de Pokemon Go

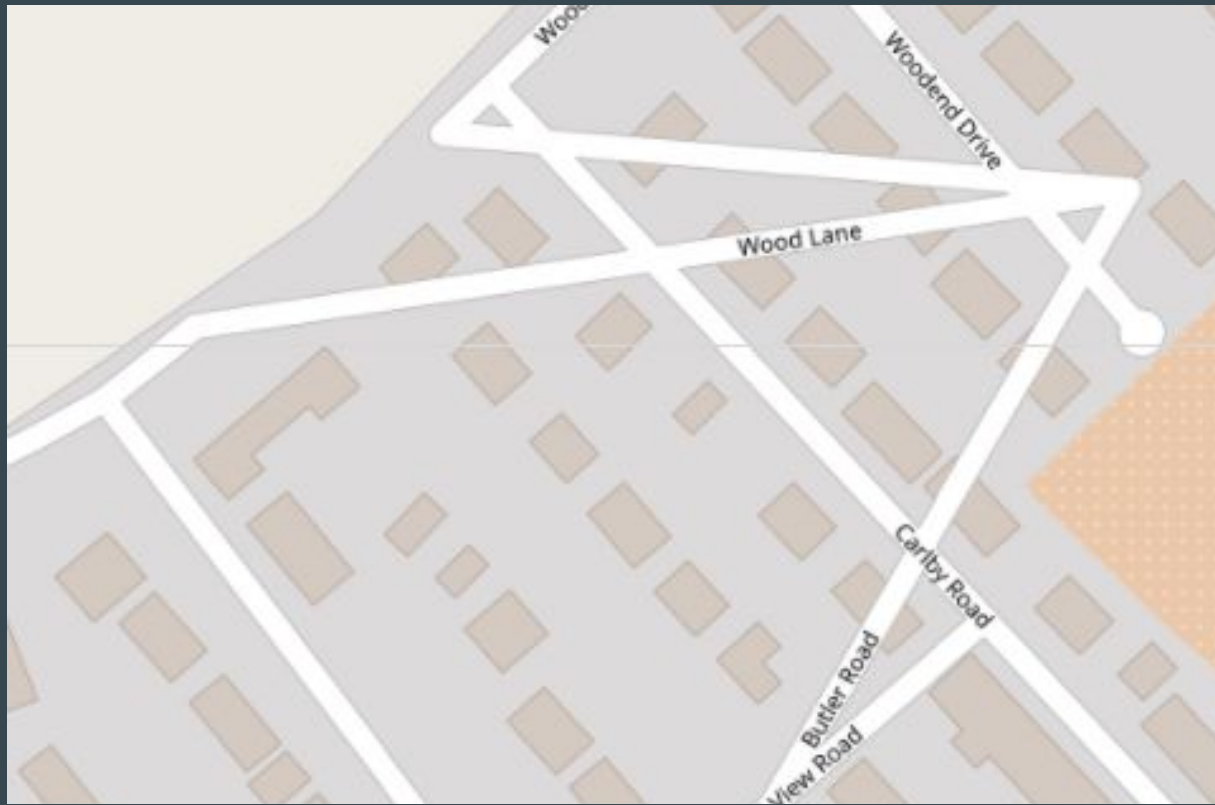


Contribuidores con experiencia

Conocen sobre OpenStreetMap

Pero pueden cometer errores






Nodos movidos accidentalmente



Daños intencionales

Totalmente consciente de los cambios malos



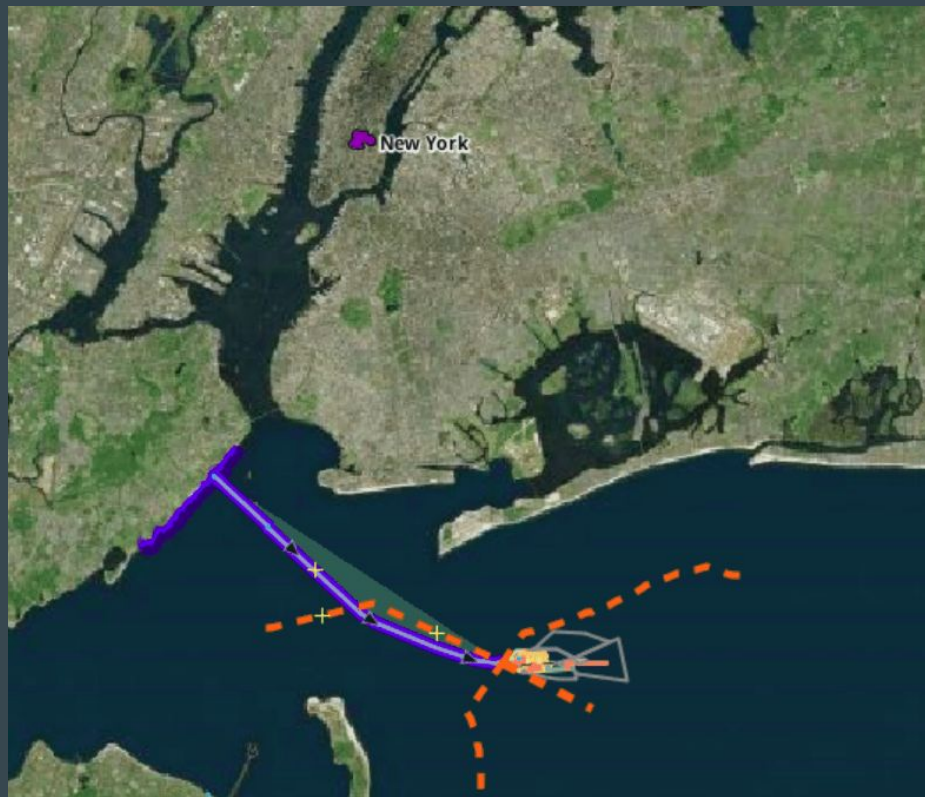


A satellite map of Paris, France, showing the city's layout. The map includes labels for 'BEAUBOURG', 'Stravinsky Fountain', 'Rue de Rivoli', 'Île de la Cité', 'Cathedral of Notre Dame de Paris', and 'Île Saint-Louis'. A 'POIs' (Points of Interest) logo is visible in the center. The map is overlaid with a 'TAG DETAILS' table.

TAG DETAILS		
name:fr	Paris	Algérie
wikipedia	fr:Paris	fr:Paris
source:popul...	INSEE 2013	INSEE 2013
ref:INSEE	75056	75056
name:jbo	Paris	Paris
addr:country	FR	FR

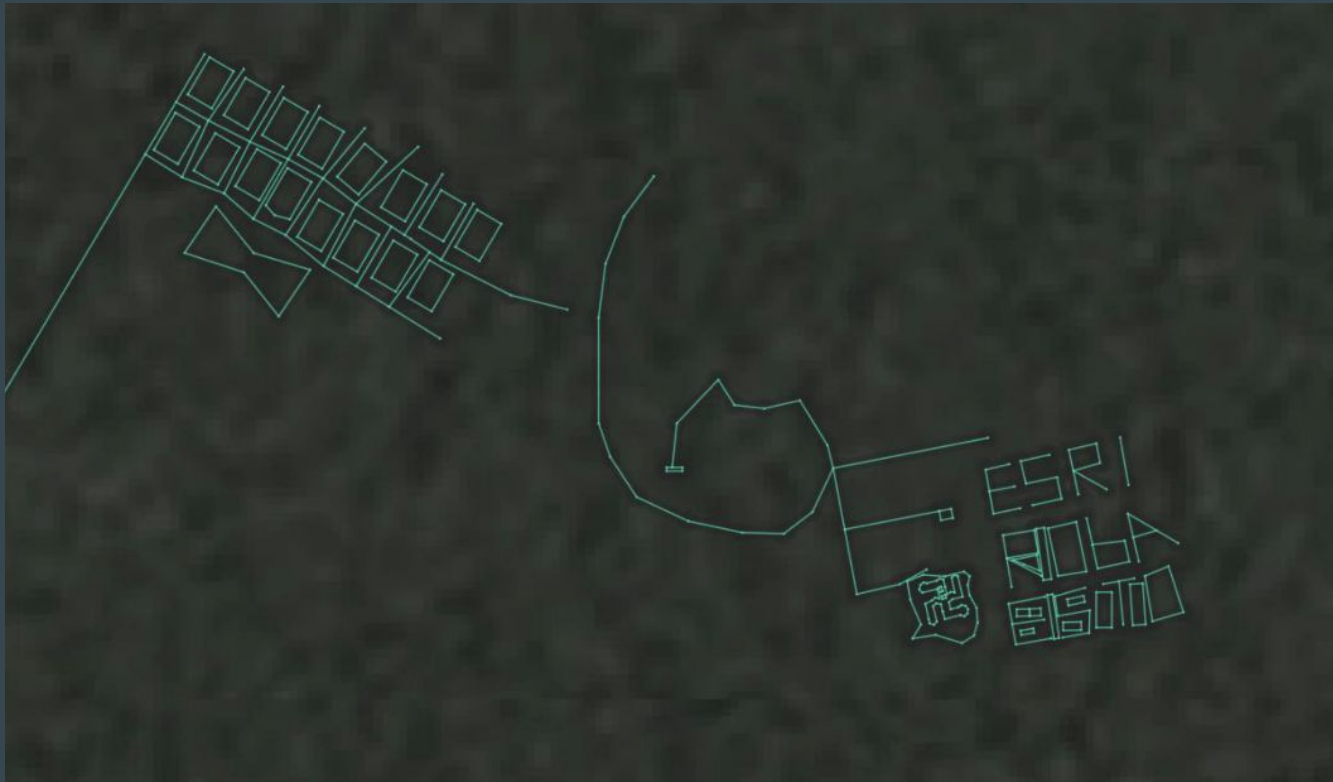
Es hora de cambiar el nombre de mi ciudad





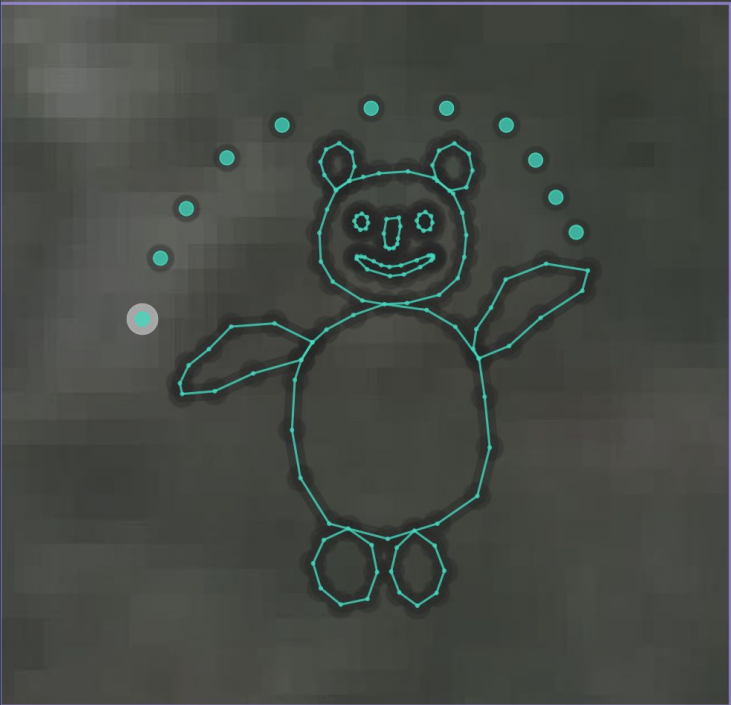
Ciudad ficticia en el océano





Símbolo de ESRI





NODE: 4287620315	
version	1
timestamp	2016-07-07T10:02:21Z
changeset	40538203
uid	549219
user	trololoman

TAG DETAILS	
natural	tree

Teddy en el mapa



Un promedio del
14% de los cambios entrantes no son
buenos

108,099 cambios revisados
14,942 encontrados con mala calidad



Protegiendo el mapa

Garantizando la calidad de datos agregados en
OpenStreetMap



Identificación de problemas en los datos

Monitoreo constante de su vecindario

Representación inusual del mapa

Detección de errores comunes mientras se mapea

Notas de OpenStreetMap

Información a través de IRC, listas de correo



Cómo respondemos

Comentario en los cambios

Mensajes en OSM

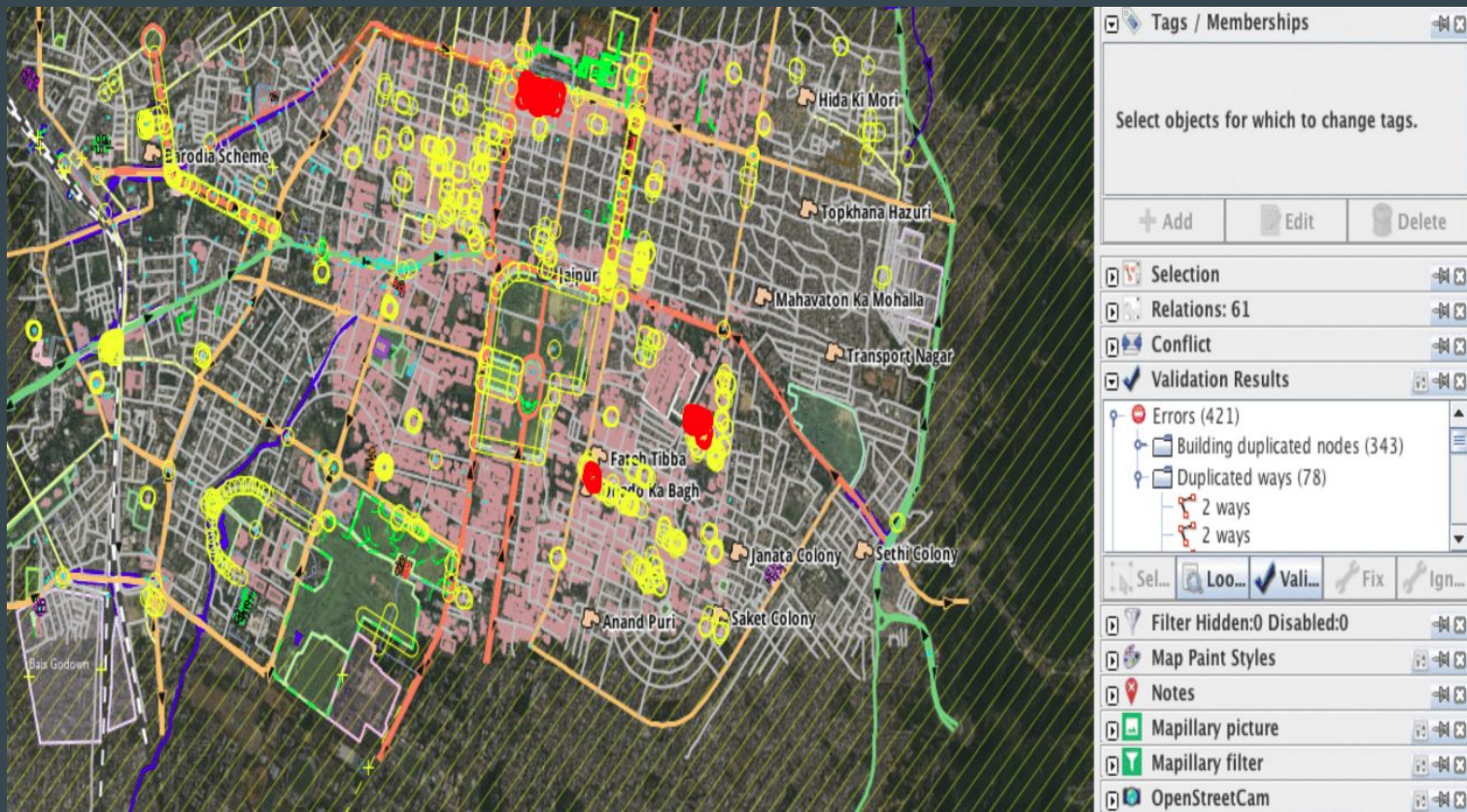
Plugin para revertir cambios en JOSM

La mayoría de las veces, la Comunidad ya ha resuelto los problemas



Herramientas disponibles





Validador de JOSM



How did you contribute to OpenStreetMap?

Name: [karitotp](#)

Mapper since: March 10th, 2015

Project days: 952

Active mapping days: 608 (63.9%)

GPS-tracks: 2

Changesets: 93 930

Map changes: 2 199 776

Type? Mega Mapper (Highly Active)



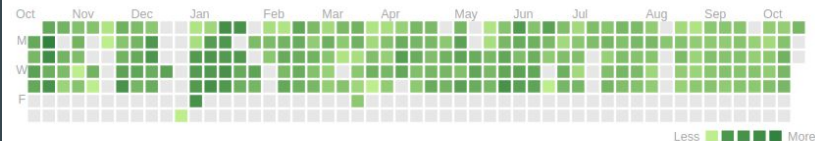
Recent activities in United States 737 Mexico 18 Spain 15 changesets

OSM Notes: Closed with comment 0 (w/o 0), commented 0 and 751 opened

Changeset discussions: Participated in 118 and created [125](#) comments

Discussed changesets: [36](#)

Activity calendar of all contributions for the past 12 months (overall 230 mapping days)



Name: karitotp (UID 2748195)	Nodes	Ways	Relations
Created:	963 021	164 863	1 465
Modified:	665 541	186 648	7 335
Deleted:	183 150	28 875	107
last modifier of:	1 437 449	235 634	2 194
has the following ranks:	#460	#241	#394

Changesets	With comments	Unique comments	Median length
93 930	93 893	755 (0.8%)	106.00
Amount of map changes	<15 changes: 76 213 changesets	>15 <150 changes: 14 296 changesets	>150 changes: 3 421 changesets

Last Modifier of way-objects with the following tags (% of all last modifier ways of the user)

Amenity	Building	Highway	Landuse	Leisure	Name	Natural	Addr:*
175 (0%)	49 585 (21%)	180 223 (76%)	713 (0%)	287 (0%)	73 710 (31%)	513 (0%)	3 743 (2%)

HDYC - How did you contribute?



OSMCha v0.31.0 Sign in

Order by Filters

162,148 changesets.

Globeur [France] Mapillary 52732773	a few seconds ago	1 12 0
PASTA777 Korrektur 52732772	2 hours ago	1 1 0
erickdeoliveiraleal melhorias User has multiple blocks 52732771	a minute ago	13 4 0
Khaled Alrassas Created a hostel and a hotel New mapper 52732770	a minute ago	2 0 0
Phoenixh #hotosm-project-3671 #HurricaneMaria #PuertoRico 52732769	a minute ago	5 0 0
Doqer Дополнение 52732768	a minute ago	0 7 0

OSMChā BETA

Validation tool for OpenStreetMap



v0.31.0

[Guide](#) | [Github](#) | [File an issue](#)

OSMCha - OSM Changeset Analyser
<https://osmcha.mapbox.com>



OSMCha

v0.31.0

Sign in

Order by

Filters

164,914 changesets.

7 hours ago

StreetAv

New shop

52735539

1 0 0

7 hours ago

Xiphius

Added landuse

possible import

52735538

282 1 0

7 hours ago

Andreas Lattmann

Aggiunto sentiero

52735537

16 1 0

7 hours ago

Md Atikuzzaman Limon

Adding Building

Review requested

52735536

5 0 0

7 hours ago

bluetandem

added: asphalt

52735535

0 1 0

7 hours ago

Sawan Shariar

#hotosm-task-366 #OSMBD #BHOOT #MissingMaps #Mapillary #BOIL #Pathao

52735534

185 0 0

7 hours ago

bison166

Not reported

1 2 3 4 5 6

Filters/unnamed *

Reset Apply

Basic

Date

01/10/2017 To

BBox (Location)

Pan to the location of interest in the map

BBox size bound

Upper bound of bbox area

Comment

Enter a keyword like hotosm, import or fixme

Flags

Show Flagged

yes / no

Reasons for Flagging

OR AND

Start typing to pick reasons

mass deletion

mass modification

Invalid relation

Edited a major road

New footway created

Review Date

Select one or multiple reasons that a changeset might be flagged for.

Filtrar cambios por localización, fecha, categoría...



OSMCha

v0.31.0

Sign in

Order by

Filters

164,914 changesets.

StreetAv

New shop

52735539

7 hours ago

100

Xiphuis

Added landuse

possible import

52735538

7 hours ago

28210

Andreas Lattmann

Aggiunto sentiero

52735537

7 hours ago

1810

Md Atikuzzaman Limon

Adding Building

Review requested

52735536

7 hours ago

500

bluetandem

added: asphalt

52735535

7 hours ago

010

Sawan Sharlar

#photosm-task-366 #OSMBD #BHoot #MissingMaps #Mapillary #BOIL #Pathao

52735534

7 hours ago

18500

1

2

3

4

5

6

Filters/unnamed *

Reset

Apply

X

Changeset Details

Users

Enter OSM usernames

Changeset IDs

Enter Changeset IDs

Objects Created

from

to

Objects Modified

from

to

Objects Deleted

from

to

Source

eg. Bing, Local

Editor

eg. ID, JOSM

Imagery used

eg. Bing, Mapbox

Order by

Filtros por detalles del cambio



The screenshot displays a map editor interface. On the left, a sidebar contains icons for eye, warning, heart, user, and a list. The main panel shows details for a feature named 'fixing highway' created 5 days ago by user 'karitotp' (95113 edits). The feature has 3 versions, 5 changes, and 23 comments. Below this, a table lists the source as 'Bing', the editor as 'JOSM/1.5 (12717 en)', and the imagery as 'Not reported'. The background is a satellite map of a rural area with a yellow line representing the highway and a label 'Okseong-ri'.

DETAILS 3 5 23

karitotp (95113 edits) created 5 days ago

fixing highway

Translate

SOURCE	EDITOR	IMAGERY
Bing	JOSM/1.5 (12717 en)	Not reported

Okseong-ri

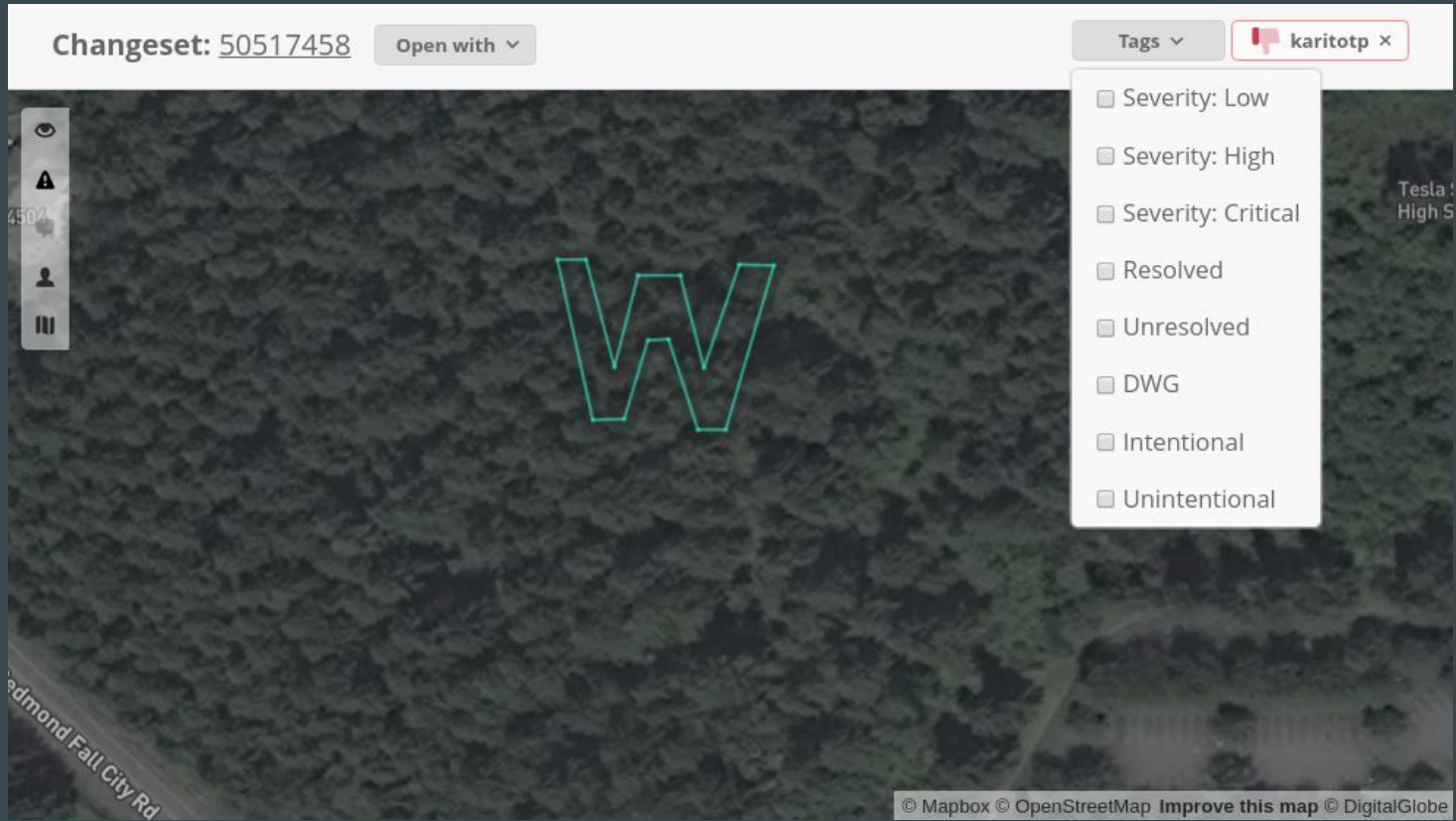
Detalles del cambio y del mapeador





Visualizar un cambio en el mapa





Revisión y etiquetas para el cambio



OSMCha v0.32.0		? Sign in
Order by ▾		Filters
218,188 changesets.		G
yourealwaysbe bits great queen 53132647	15 minutes ago	1 0 1
Brian Reavis Tracks outside of Moab 53132646	15 minutes ago	300 15 1
Der Cheikh Ibra Senegal, Touba, #map4sn, #francophonelibretrm-project-102 possible import 53132645	15 minutes ago	325 0 5
Jake Strine fix osmose 53132644	15 minutes ago	1 1 0
andrewpmk meadowvale 53132643	15 minutes ago	0 1 0
WoronieckiM Uzupelnienie infrastruktury 53132642	15 minutes ago	0 2 0

OSMCHA Guide

- Introduction to OSMCha
 - Why use OSMCha?
 - What is vandalism?
 - What are flagged changesets and how are they automatically flagged?
 - Why to review a changeset as Good/Bad ⬇ / ⬆ ?
 - Future of OSMCha and validation using OSM-Compare
- Usage
 - How to review a changeset?
 - Changeset and Mapper details
 - Using Changeset-map
 - Reviewing changesets in OSMCha from OpenStreetMap
 - Filters
 - Basic filters
 - Applications for edit based search
- FAQ
 - How are the changesets presented?
 - How can I sign-in into OSMCha?
 - Can I view the changesets and use filters without logging into OSMCha?
 - How do I logout of OSMCha?
 - My changeset has been flagged by a reason, am I doing something wrong?
 - Are there keyboard shortcuts in OSMCha?
 - What are tags on OSMCha?
 - What if I want to change my review for a changeset?
 - Can I review my own changesets?
- Frequent error messages
 - Changeset views error messages
 - Changeset was already checked.
 - User can not check his own changeset.
 - Changeset is not checked.
 - User does not have permission to uncheck this changeset.

Guía OSMCha

<https://osmcha.mapbox.com/about>



Repositorios de Github

Código fuente: <https://github.com/mapbox/osmcha-frontend/issues>

Escribir OSM-Compare: <https://github.com/mapbox/osm-compare>



Gracias!

karito@mapbox.com

@tp_karito

#osm: karitotp

