better-osm-org (v.2025-05-21a)

Improve your www.osm.org experience (with better-osm-org & more)



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What is OpenStreetMap?

- https://welcome.openstreetmap.org/
- OpenStreetMap is a free, editable map of the whole world made using free tools and software by collaboration of millions of people like **you**
- OpenStreetMap includes data about roads, buildings, addresses, shops and businesses, points of interest, railways, trails, transit, land use and natural features, and much more.

What is better-osm-org?

- way to improve your www.openstreetmap.org web browser experience and give you more features
- a FOSS Userscript by @TrickyFoxy (deevroman) for FOSS Violentmonkey (or other Greasemonkey-compatible) extension (plugin, add-on) for your (FOSS?) web browser

... Userscripts?

- Userscripts are simple (or complex) external fragments of javascript which run when specific webpage is loaded.
- they can be used to change layouts, remove annoying parts of webpage, add buttons with extra functionality, or basically anything
- existing repositories of scripts, or user-made

...monkey?

- Violentmonkey web-browser extension integrates Userscripts in a web browser
- also restricts what script run on which website, what they may access, auto-updates then, disable/enable, provide settings interface etc.
- works on Firefox (also on mobile, e.g. Fennec), Chrome, Microsoft Edge

Install

- Firefox: "Tools" menu / "Add-ons and Themes" / "Extensions" / search for "Violentmonkey" / click "Add to Firefox"
- open

https://github.com/deevroman/better-osm-org

• click on "Install script"

"s" hotkey – satellite view (shift+s for slow ESRI beta)





"g" hotkey – GPS traces view





Settings – dark map (& dark iD) ("extensions" FF button / Violentmonkey / Better osm.org / Settings)





Notes: inline display of images and GPS traces (e.g. StreetComplete)





Display (inline) pictures from tags

- panoramax=*
- wikimedia_commons=*

Node: Ante Starčević 1823-1896 (2779649996) $ imes$		× 16/1 T
Version #13 🕒	Bacchus jazz bar	
Adding data with #MapComplete	for theme #artwork	
dited <u>6 months ago</u> by mnalis A Changeset #159045881 .ocation: 45.8057952, 15.97769	ALTernative	15
Tags		
artist:wikidata	Josip Poljan [Q16111459]	
Croatian sculptor (1925-2015)		
artwork_type	statue	5 Starcevice dom
historic	memorial	
memorial	statue	Ante Starčevi 1823-1896
name	Ante Starčević 1823-1896	e Starčevića 🔶
panoramax	05065db8-207a-4613- ad4e-4eb82e1c4ec4	amann 20 m

display uploaded GPS tracks

from https://www.openstreetmap.org/traces





(viewing) direction of tags/pictures

Changeset #127276558

aneT	-
rays	

addr:housenumber	43
addr:street	Ulica kralja Zvonimira
building	yes
mapillary	510004650040986
roof:material	roof_tiles
roof:shape	gabled

Nodes



Tags		
amenity	bench	
armrest	yes	
backrest	yes	
colour	brown	
direction	190	
material	wood	_
panoramax	a46cf81c-2f17-4805-b35b- d6c02abf5dee	
seats:separated	no	
two_sided	no	

drag & drop from file manager

- geotagged images
- GPX tracks
- GeoJSON shapes
- .osm files

story Export GPS Traces User Diaries Communities Copyright Help About



1

(several) 3D renderers for buildings

Edited <u>about 1 year ago</u> by mueschel Changeset #148595173

Tags 🚔	
addr: 📌 OSM Building Viewer	Zagreb
addr: 💉 F4Map	31
addr: 🖈 streets.gl	10000
addr: 🔹 OSM go	Kaptol
alt_nosmbuildings.org	Zagrebačka katedrala
alt_n labs.mapbox.com	كاتدرائيه زجرب
alt_name.oc	Заграбскі сабор
alt_name:bg	Загребска катедрала









Highlights tag issues

Tags

fixme	postoji li ovaj spoj još, ili se mora koristiti onaj travnati jugoistocno?
highway	track
surface	grass



NI - -I - -

- invalid "opening_hours" syntax
- "fixme=*" & "note=*" tags

mobile	051658111	
name	Dom zdravlja Rijeka – Ginekološka ambulanta	
note	Potrebna dokumentacija: Zdravstvena iskaznica, uputnica	Dom zdr Rijek - Gineko ambula
opening_hours	Pon-Pet 08:00-16:00	

Hover to highlight (and show details)

Nodes

- ▼ 23 nodes
- 2058611030 (part of ways Jarun / Prečko (639745102),
 Novi Zagreb zapad / Trešnjevka jug (195433624), and
 Novi Zagreb zapad / Trešnjevka jug (639426059))
- 6024834610
- 8025150835
- 8025150834
- 6024834609
- 8025150836
- 8025150837
- 8025150833

https://www.openstreetmap.org/node/6024834609



Changeset #113449330

Tags

admin_level	10
ooundary	administrative
name	Mjesni odbor Blato
уре	boundary
vikidata	Blato [Q65150642]

Blato, Zagreb neighborhood of Zagreb, in Croatia

Part of

▼ 1 relation

🕅 Gradska četvrt Novi Zagreb - zapad (3173887) (as subarea)

Members

outer

admin_level=10 boundary=administrative name=Blato / Remetinec ⁾5433624) as

- Kay Blato / Remetinec (639384568) as outer
- < Way Blato / Botinec (639384566) as outer

A white a much of provide conceptions and the



User stats by editor / comment

- changeset comment filter is regex capable
- additive with editor filter
- comment details
- also, past usernames



mnalis ALTernative

 Edits
 20,179
 Map Notes
 14,332
 Traces
 559
 Send Message
 Diary
 0
 Comments
 0
 Unfollow

 Report this User
 Mute this User

Mapper since: September 14, 2009 Last map edit: May 20, 2025 Past usernames: mnalis_ONLY_Tiles@Home render

tiles@HOME renderer, mobile phone direct acccess Primary account is Matija Nalis

My HDYC, Wiki

19750 contributions in the last year



Changeset: coloring diff (with compact/expanded modes via icon or hotkey "t")

Node History: Parasailing Banjole (12820926556) Version #8 Deleted description, added address 11 days ago Comino #166040387 44.8211434, 13.8657179

description	Parasailing team located in Banjole, Glavica 7a
addr:city	Banjole
addr:housenumber	7-A
addr:postcode	52100
addr:street	Glavica
attraction	parasailing
check_date	2025-05-09
check_date:currency:XBT	2025-05-09
contact:facebook	parasailingbanjole
contact:instagram	parasailing.banjole
currency:XBT	yes
email	intexomarine@gmail.com
name	Parasailing Banjole
payment:lightning	yes
payment:lightning_contactle ss	yes
payment:onchain	yes
phone	+385 915210658 → +385 915 210 658

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Node History: Parasailin Version #8 Deleted description, added a 11 days ago Comino #16604 44.8211434, 13.8657179	ng Banjole (12820926556)	No Contraction X
description	Parasailing team located in Banjole, Glavica 7a	P
phone	+385 915210658 → +385 915 210 658	Aparthotel
compretery revised data atti		
<u>11 days ago</u> Comino #16603 44.8211434, 13.8657179	39451	P
<u>11 days ago</u> Comino #16603 44.8211434, 13.8657179 contact:whatsapp	+385915210658	P
11 days ago Comino #16603 44.8211434, 13.8657179 contact:whatsapp mobile	+385915210658 +385 91 5210 658 Banide	P
11 days ago Comino #16603 44.8211434, 13.8657179 contact:whatsapp mobile addr.city addr.bousenumber	+385915210658 +385 91 5210 658 Banjole 7-A	P 0
11 days ago Comino #16603 44.8211434, 13.8657179 contact:whatsapp mobile addr:city addr:chousenumber addr:postcode	*385915210658 *385 91 5210 658 Banjole 7-A 52100	
11 days ago Comino #16603 44.8211434, 13.8657179 contact:whatsapp mobile addr:city addr:housenumber addr:postcode addr:street	+385915210658 +385915210658 Banjole 7-A 52100 Glavica	
11 days ago Comino #16603 44.8211434, 13.8657179 contact:whatsapp mobile addr:city addr:housenumber addr:postcode addr:street check_date	+385915210658 +385915210658 = +385 91 5210 658 Banjole 7-A 52100 Glavica 2025-05-09	P
ti days ago Comino #16603 d4.8211434, 13.8657179 oontact:whatsapp mobile addr:city addr:housenumber addr:postcode addr:street check_date check_date:currency:XBT	+385915210658 +385915210658 +385 91 5210 658 Banjole 7-A 52100 Glavica 2025-05-09 2025-05-09	P
11 days ago Comino #16603 44.8211434, 13.8657179 mobile addr.city addr.city addr.busenumber addr.street check_date check_date:currency:XBT contact:facebook	+385915210658 +385915210658 +385915210658 6 5 6 6 7-A 6 6 7 6 7 6 7 7 8	

Changeset: "f" for filter

- show or hide
- by user, and/or by comment
- shows number or changes and changeset discussions
- "l"/"k" prev/next

Changesets 🔎 Display	yed 7/360 X	
Show changesets from	GPMapper	
Show changesets with	languages	
Added names in other lan 3 days ago by GPMapper maro21 Do you know that you o Collaboration_with_Wikipedia P osm.wiki/Changeset#Geograp	<i>guages</i> ・#166395403	
Added names in other lan 4 days ago by GPMapper Added names in other lan	guages •#166382979 13 ± auages	
4 days ago by GPMapper ilias_ Pleasesave your changes changesets are huge	・#166357676 2 〇 34 土 before moving on to another place, your	

QuickLook for simple changesets

- displays added, removed, and changed elements
- shows distances the nodes were moved
- hotkey "u" open user profile





Changeset: Before and now?

- change time format to precise
- view augmented diff
- show map as it was in the past
- OsmCha like/dislike



Changeset: Analyze or Revert

- Reverts:
 - osm-revert (web)
 - via JOSM
 - "r": partial revert

Changeset: 165281851 ව 🎗	×
Landscape	Open changeset in OSMCha (or press O)
2025-04-22T11:58:32Z 🕰 eclip	(shift + O for open Achavi)
changesets_count	16113 /16486
created_by	iD 2.33.0
imagery used	Esri World Imagery

Changeset: 165281851 Landscape	 Open osm-revert Shift + click for revert via JOSM Press R for partial revert 	
changesets_count	16113 /16486	
created_by	iD 2.33.0	
imagery used	Esri World Imagery	

Analyze changes:

- "o": OSMCha
- "shift+o": Achavi

More help

- detect and warn of edit wars
- detect new users
- Settings: template responses for closing notes / discussing changesets (e.g. too big bboxes, spam etc.)

more info, easier to use, less clutter

- displays extra info (like way/relation versions, deleted authors of changesets, OSMF redactions, ...)
- shortens long URLs and hides clutter (like https://www.openstreetmap.org
 → osm.org or "ideditor:" keys in changset tags, or default host, ...)
- clicking on element IDs in header automatically copies them to buffer
- makes a lots of things *linkable* on **osm.org** (URLs in tags and changesets, panoramax/mapillary keys, #hashtags in changesets, IDs, tag2link...); but also on **taginfo.osm.org**
- hover over icons & text for help (or more info)

hotkey "shift+/" - Overpass highlight

	SAB			
		node/986056761	. /	~ 10
	Oure Crnatka	access	yes	and the second se
	15 Dente	amenity	drinking_water	
Prve 10064	Koluratka (L	fee	no	
edionice		fountain	viktorija_zdenac	
	Martinovka	name	Zlatarovo zlato	
	0	opening_hours	24/7	
the www.openstreetmap.org	Andrew Contraction of	panoramax	6d7f8046-10ae-4043-a3a0 e5acd25f3a2c	-
Type overpass selector:		panoramax:0	cdb7de99-5280-4e74- a374-2b852733e933	- Anna
key=value key~val.i		► metainfo		J
way[footway=crossing](if: length() > 150) End with ! for global search	a 10094			
node[amenity=drinking_water]	toops	Slavonska aveni	ja 1035	avonska Ika ulica
Cancel	ок	Hrvatsko radiotelevizijo Prisavlje 6	Prod-Starotmansa ulica	Pračanska I

access	yes	
amenity	drinking_water	
fee	no	
fountain	<u>viktorija</u> zdenac	
name	Zlatarovo zlato	
opening_hours	24/7	
panoramax	6d7f8046-10ae-4043-a3a0- e5acd25f3a2c	
panoramax:0	cdb7de99-5280-4e74- a374-2b852733e933	
+		

- ability to edit tags!
- use **alt+click** to hide any object

Useful hotkeys

- n,d,g: on/off Notes/Data/GPS tracks layer
- shift+n: create new note (referencing selected object, if any)
- alt+s: (fast reload tiles)
- j / alt+j: (edit selected element in JOSM/Level0)
- h: open object (or user) history
- **z**: zoom to changeset/object bbox
- **1**: open first version of object (or first user changeset)
- <,>: prev/next version of the object (or prev/next changeset)
- **u**: user profile (**shift+u**: your profile)
- ... and much more

Create / Delete nodes

- Allows to create nodes via Notes icon (but click "+" instead of "Add note"!)
- Or, quickly delete nodes



amenity=cafe smoking=no	94	
5	94	
	99 49	94 94
Add Note +		

Extra: https://github.com/Zverik/osmtags-editor web browser extension

🥦 OpenStreetMa	Edit -	History	Export	GPS Tra
Search	Where is this?	4		
Node: 9038	8628352	×		
Version #2				
Specify access to play	/grounds			
Edited about 1 year ago Bogomil Shopov - Бого Changeset #151404735 Location: 45.8104769, 19	by 5.9404851		2	8B
access	yes			
leisure	playground			1
Download XM	ML · Edit Tags	-2	6	
≪ Version #1 · View ⊦	listory · Version #2	»		



Extra: human-readable-wikidata by @ZeLonewolf

💹 OpenStreetMap 🛛	Edit 💌 History Export GF	PS Traces User Diaries Com
Tags 🚔	×	Krbani
addr:city	Zagreb	B
addr:housenumber	87a	
addr:postcode	10000	041
addr:street	Rudeška cesta	1
air_conditioning	yes	
alt_name	McDonald's Vrbani	
amenity	fast_food	+
branch	Vrbani	f
brand	McDonald's	
brand:wikidata	McDonald's [Q38076]	
McDonald's American fast food restaurant	chain	McDonald
brand:wikipedia	en:McDonald's	
building	retail	
building:levels	2	-
cuisine	burger	0 0 0

Tags		
artist:wikidata	Frano Kršinić [Q1280270]	
Frano Kršinić Yugoslav sculptor of Croatian ethnics ((1897–1982)	ka Maričić
artwork_type	statue	a Želj
mapillary	523519275475856	
name	Ribari	
start_date	1947	Ribari
subject:wikidata	fisher [Q331432]	
Fisherman someone who captures fish and other gathers shellfish	animals from a body of water, or	4 #
tourism	artwork	

Links

- https://mnalis.com/OSM this presentation
- https://github.com/deevroman/better-osm-org
- https://c.osm.org/t/121670 better-osm-org discussion (& updates)
- https://violentmonkey.github.io/
- https://github.com/Zverik/osmtags-editor
- https://c.osm.org/t/108180 human-readable-wikidata discussion

Questions?



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