deck: hackmd.io/@mapamore/S1li5WXqkg (http://hackmd.io/@mapamore/S1li5WXqkg)

Welcome

- Announcements
- Sna-py Talk
- "Talk Show"

Save the date! SotM 2025: Manila, PHL



(https://postimg.cc/6ymMpTXH)

- 3-5 October
- Manila, Philippines
- see: <u>https://2025.stateofthemap.org (https://2025.stateofthemap.org)</u>

Sentinel-2 mosaics in OSM

- ESA program of earth observation satellites providing global color imagery, in 10 m resolution
 - higher resolution than Landsat, but lower than commercial providers (Bing, ESRI, etc.)
- EC Copernicus License is OSM-compatible:
 - See https://osm.org/wiki/Contributors#EU_Copernicus_.28GMES.29_data (https://



Bing (above) and Copernicus Sentinel-2 (below):

postimg.cc/2VScQyfD)

Latest mosaic from Sentinel-2



(https://postimg.cc/jCp5Y0gG)

▲ Some screenshots and URLS are inaccessible because of an ESA service outage today.

Sorry!

A	SERVICE MESSAGE We would like to inform you about the planned cloud upgrade, aimed at improving service stability and performance. The upgrade will cause unavailability of the
	Copernicus Data Space Ecosystem services from 18.02.2025 22:00 CET to 19.02.2025 05:00 CET described here.
	Cloud upgrade has been extended until 19.02.25 08:00 CET.
	Before the service break, please remember to save any in-progress work in your notebooks to permanent storage (folder "storage" in Jupyter file explorer).

Sentinel-2 tiles in JOSM

Imagery

Modify list of imagery layers displayed in the Imagery menu

Im	agery providers	Settings	Offset boo	kmarks	Cache	Export MbTile	s Imagel(0		
Ava	Available default entries:									
٩	Sentinel-2									
	Menu Name (Default)			Imagery URL (Default)						
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×	EOx cloud	dless Sentin	el-2 2023	wms[18	3]:https://	ítiles.maps.eox.	at/?FORMA ⁻	T=image/p		

- Sentinel-2 tile servers are available in JOSM (Preferences > Imagery), but not the most recent
- Now, let's fix that! 🛠

- Sign-up for an account: <u>browser.dataspace.copernicus.eu (http://</u> browser.dataspace.copernicus.eu)
- Sentinel Hub dashboard: <u>shapps.dataspace.copernicus.eu/dashboard (http://</u> <u>shapps.dataspace.copernicus.eu/dashboard)</u>

 $\,\circ\,$ generate your Instance ID and determine your Layer ID to use in your configuration

In JOSM, go to Preferences > Imagery and add a new WMS entry

			^ × ×		
💭 Display	Imagery	🕍 Add Imagery URL 🗛 🗙			
🛃 OSM Data	Modify list of imagery layers display	1. Make sure OSM has the permission to use this service . Enter GetCapabilities URL			
😯 GPS Points	Imagery providers Settings	https://sh.dataspace.coper_ccus.eu/ogc/wms/YOUR_INSTANCE_ID?FORMAT=image/png&TRANSPARE			
E Colors	Available default entries:	NT=TRUE&VERSION=1_00&SERVICE=WMS&REQUEST=GetMap&LAYERS=YOUR_LAYER_ID&STYLES \$CBS={proj}&vviDTH={width}&HEIGHT={height}&BBOX={bbox}	S:		
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📑 OSM Server	Bing aerial imagery	4. Select layers			
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Expert Mode					

• GetCapabilities URL: https://sh.dataspace.copernicus.eu/ogc/wms/YOUR_INSTANCE_ID? FORMAT=image/ png&TRANSPARENT=TRUE&VERSION=1.3.0&SERVICE=WMS&REQUEST=GetMap&LAYERS=YOUR LAYER ID&

STYLES=&CRS={proj}&WIDTH={width}&HEIGHT={height}&BBOX={bbox}

• Name the layer

- Use source=Sentine1-2 in your OSM changeset tag, if you used it for editing.
- Check your SH dashboard usage. There's a (low) monthly limit, so use it sparingly.
- Adjust the configuration for your needs:



Wrap up

- When configured properly, you can just load the layer in your next editing session. No other configuration needed.
- Alternative sources:
 - OpenAerialMap
 - ESRI Wayback
 - Public, high-resolution imagery are available from your government
- Any tips from participants?

Thank you! 🍯

Now, on to our "Talk Show"...