



FOSS4G

HIR●SHIMA
2026



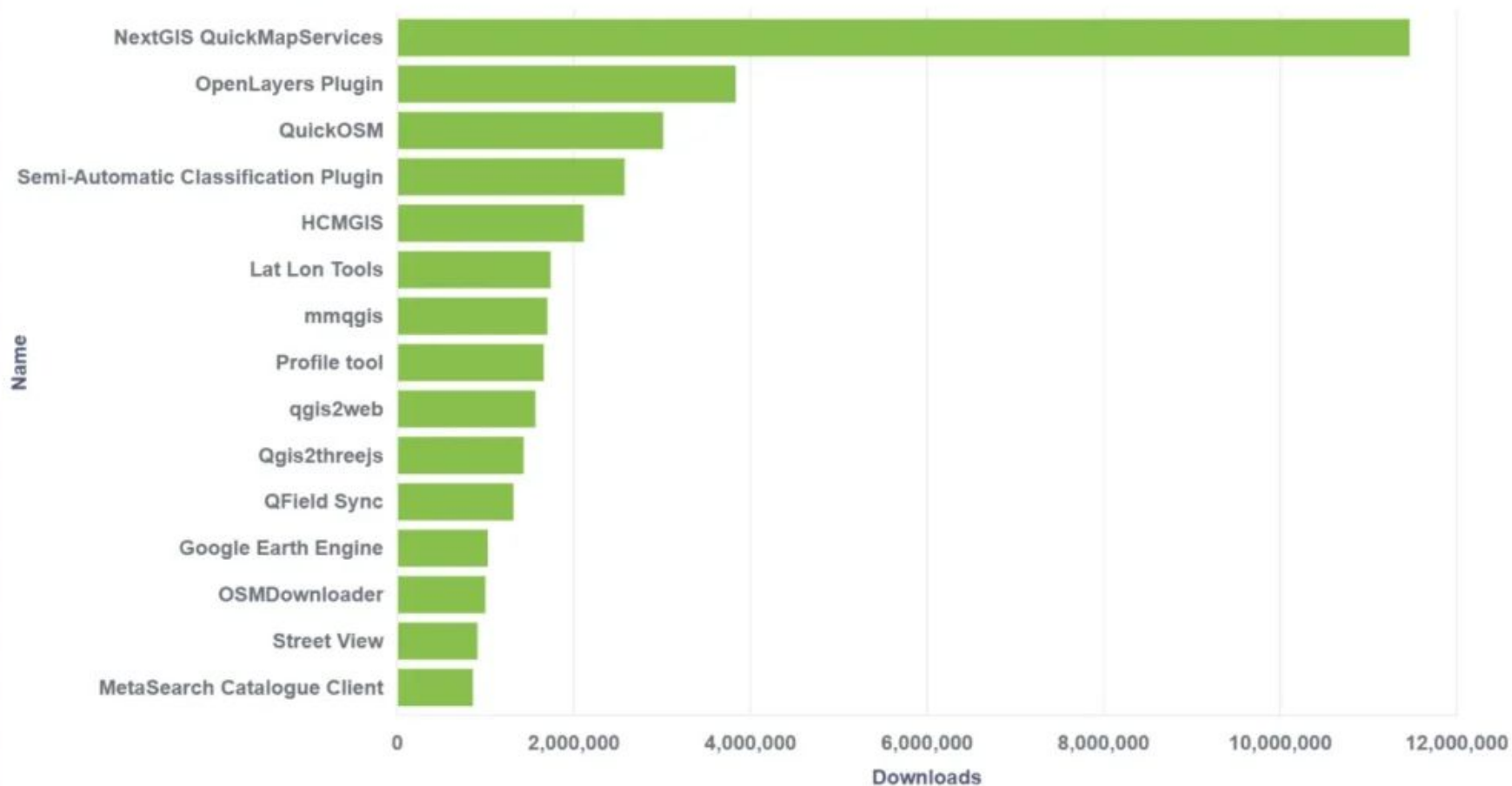
NEXTGIS

The #1 plugin for QGIS: QuickMapServices

Maxim Dubinin | Founder, NextGIS

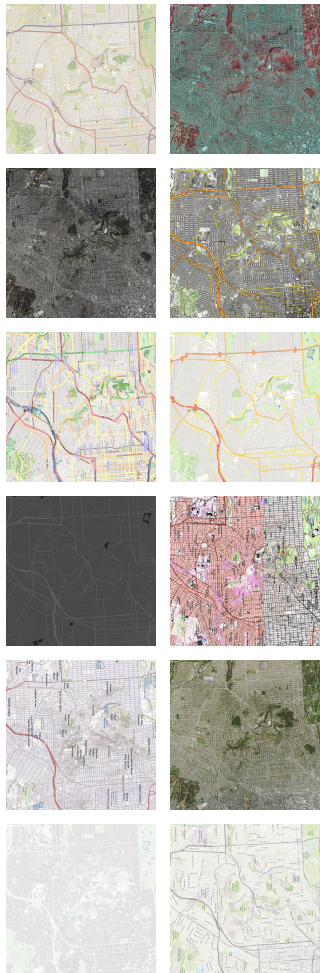


Most downloaded plugins



Plan

- NextGIS
- QMS basics
- History
- Stats
- What's new?



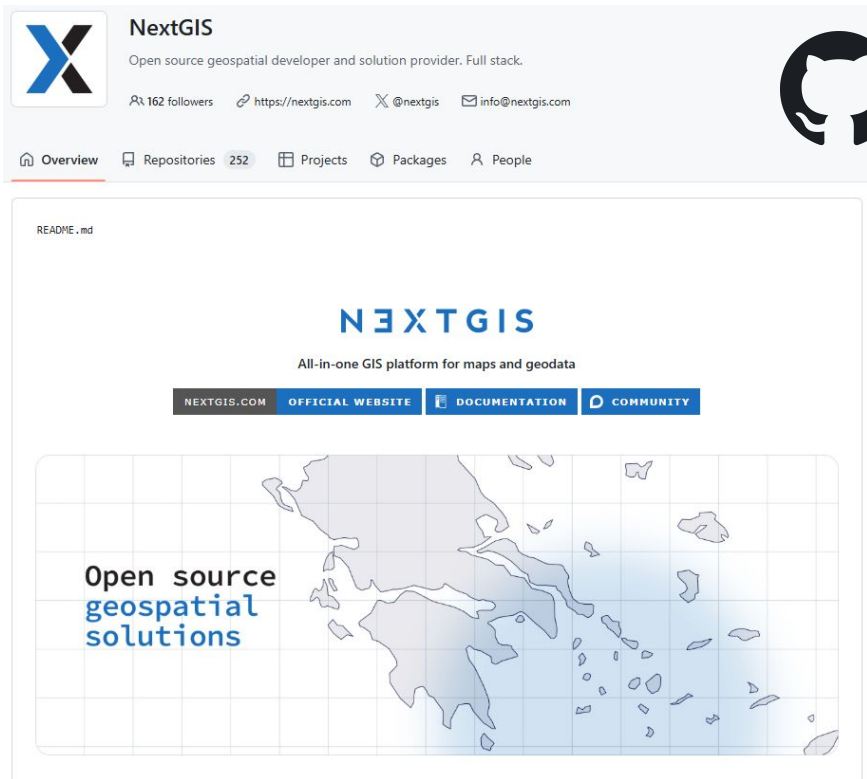
NEXTGIS

Geospatial software developers since 2011

Products. Custom development. Data store



Open source platform



github.com/nextgis

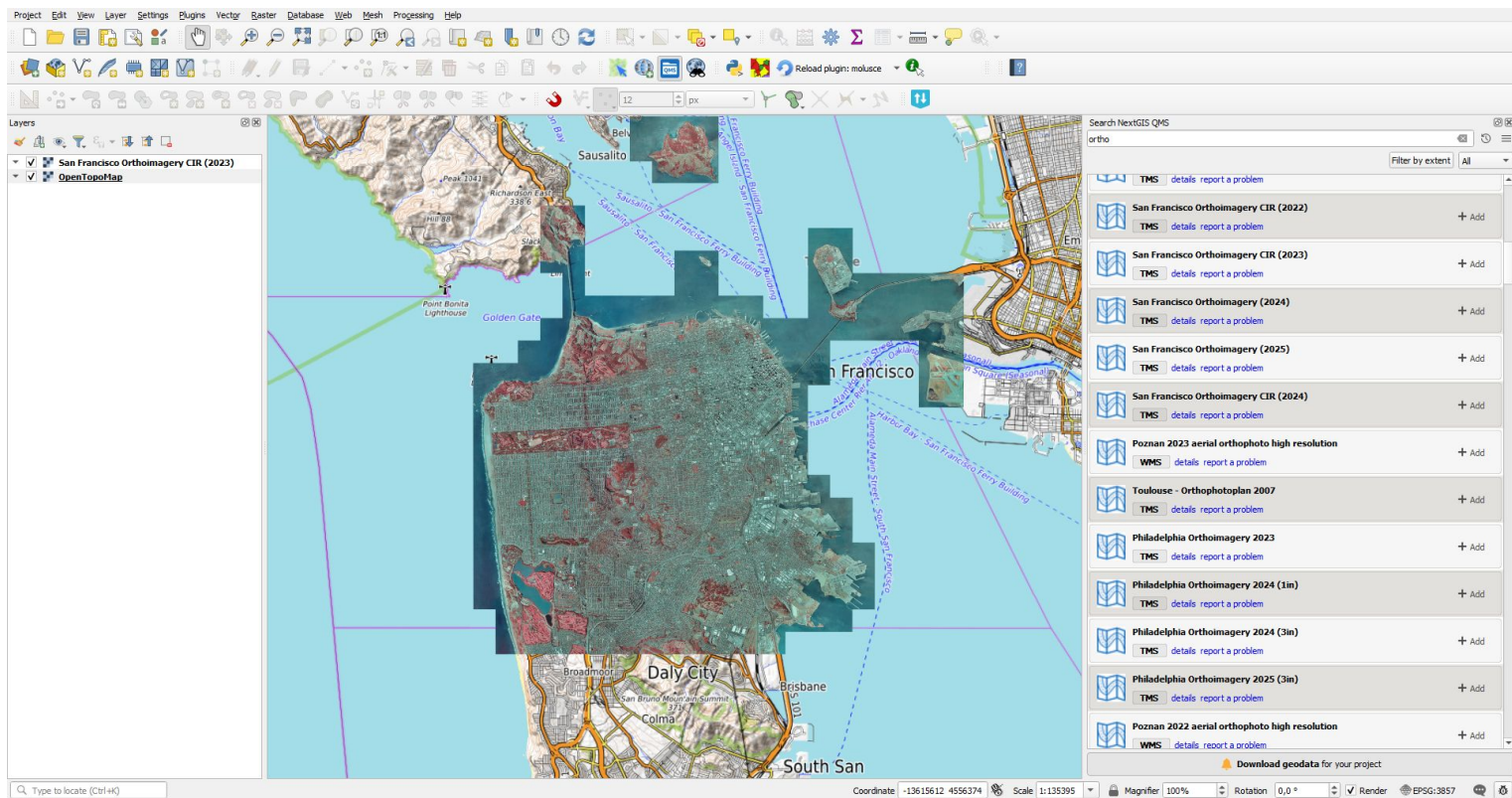
250+ public repositories

All essentials are FOSS:

- Web GIS server
- QGIS integration layer
- Mobile app
- 30+ plugins

What is QMS?

1. Way to add a basemap in exactly ONE click



What is QMS?

2. A crowdsourced catalog with 1,000+ geoservices available

The screenshot displays the NEXTGIS QMS (Queryable Map Service) interface. The top navigation bar includes links for QMS, Services, Map, About, and FAQ. A search bar at the top left shows the query 'japan'. Below the search bar, a list of services is displayed, each with a thumbnail, title, and description. The services are categorized by type (TMS, Vector tiles, WMS, WFS, GeoJSON). The map on the right shows a topographic view of Japan with a blue polygon highlighting a specific region. The map includes a scale bar, a 'Chat with us' button, and a 'Service details' button.

Services found: 30

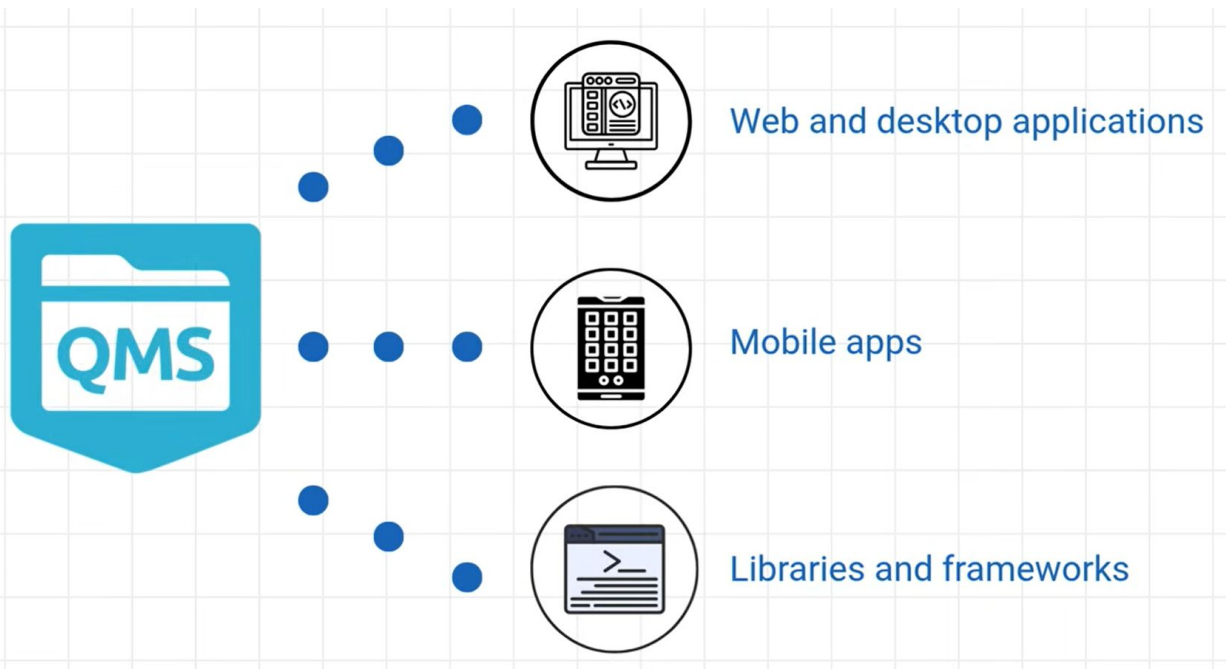
- Aich Handa Imagery 2020**
TMS This is a TMS service for Japan. This service was imported from OSMLab. OSMLab id: osm...
- MLIT Plateau Official**
TMS This is a TMS service for Japan. This service was imported from OSMLab. OSMLab id: Plat...
- Japan GSI airphoto Imagery/update 2021**
TMS This is a TMS service for Japan. This service was imported from OSMLab. OSMLab id: gsi...
- Japan GSI airphoto Imagery/update 2020**
TMS This is a TMS service for Japan. This service was imported from OSMLab. OSMLab id: gsi...
- Japan GSI airphoto Imagery**
TMS This is a TMS service for Japan. This service was imported from OSMLab. OSMLab id: gsi...
- Japan GSI standard maps**
TMS Maps serviced by the Geospatial Information Authority of Japan
- Japan GSI Basemap**
TMS
- 国土地理院淡色地図 - Geospatial Information Authority of Japan light-colored map**
TMS
- Japan GSI ortho Imagery**
TMS This service is imported from OSMLab. OSMLab id: gsi.go.jp. Country: Japan
- Japan GSI land-use maps (1982-1983)**
TMS Geospatial Information Authority of Japan (1/300000-1/30000) Type: TMS
- Japan GSI aerial photos (1928)**
TMS Maps served by the Geospatial Information Authority of Japan
- Japan GSI aerial photos (1974-1978)**
TMS Geospatial Information Authority of Japan (1/4000-1/800000)

Map Interface:

- Search: japan
- Map Type: OSM
- Scale: 0 to 1000m
- Service details button
- Chat with us button
- © OpenStreetMap contributors

What is QMS?

3. A public API for using the catalog in any app



`</>` Python

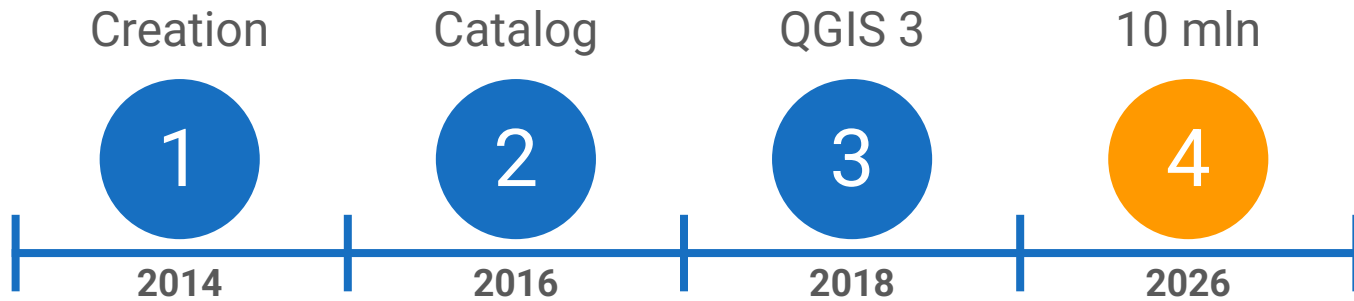
```
import requests
```

```
url = "https://qms.nextgis.com/api/v1/geoservices/"  
params = {"search": "OpenStreetMap"}
```

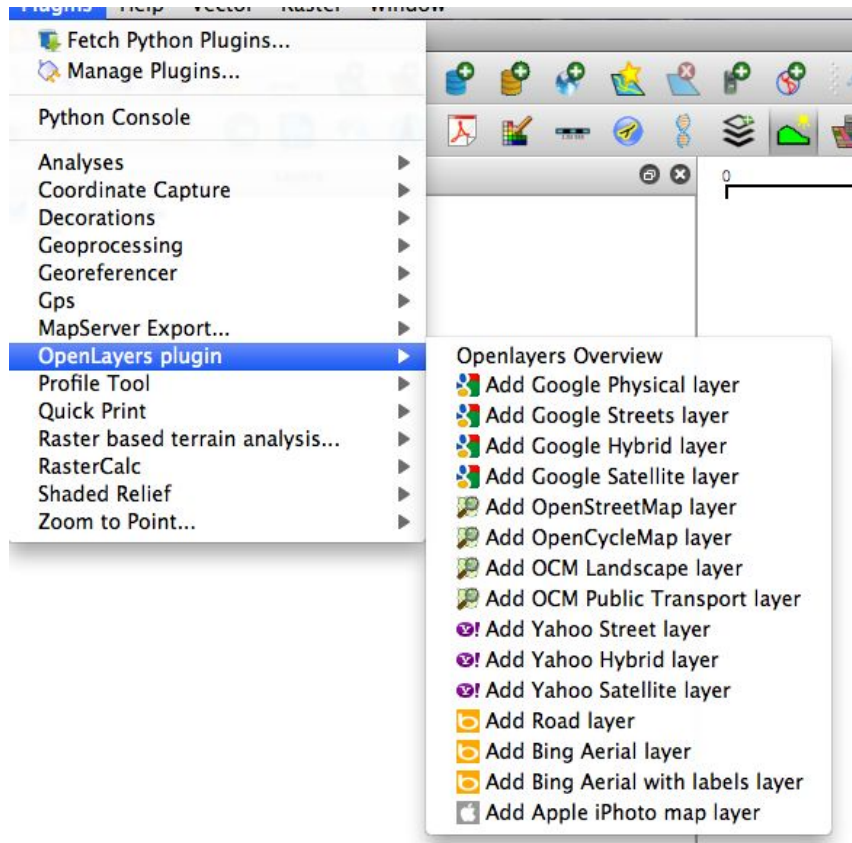
```
response = requests.get(url, params=params)  
response.raise_for_status()
```

```
for service in response.json():  
    print(service["name"], service.get("url"))
```

Timeline



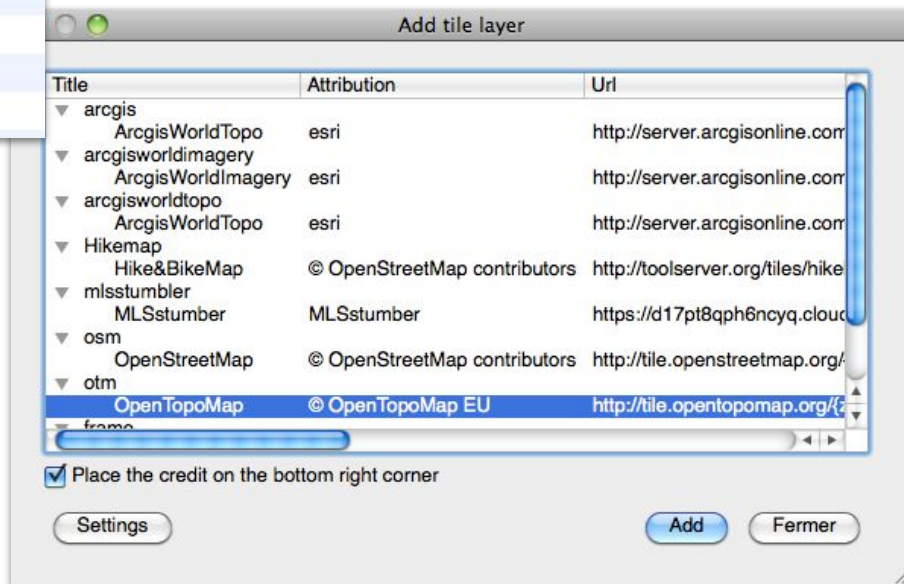
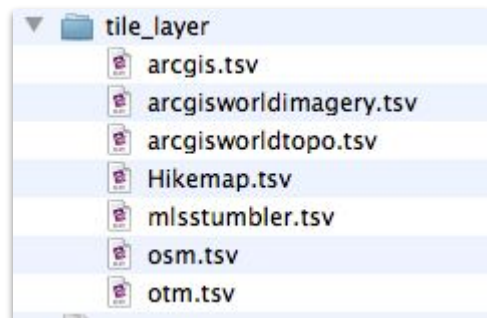
OpenLayers plugin by Sourcepole



First release:
Oct 4, 2012

WebKit inside QGIS 🤖

TileLayer by Minoru Akagi



First release:
Dec 1, 2013

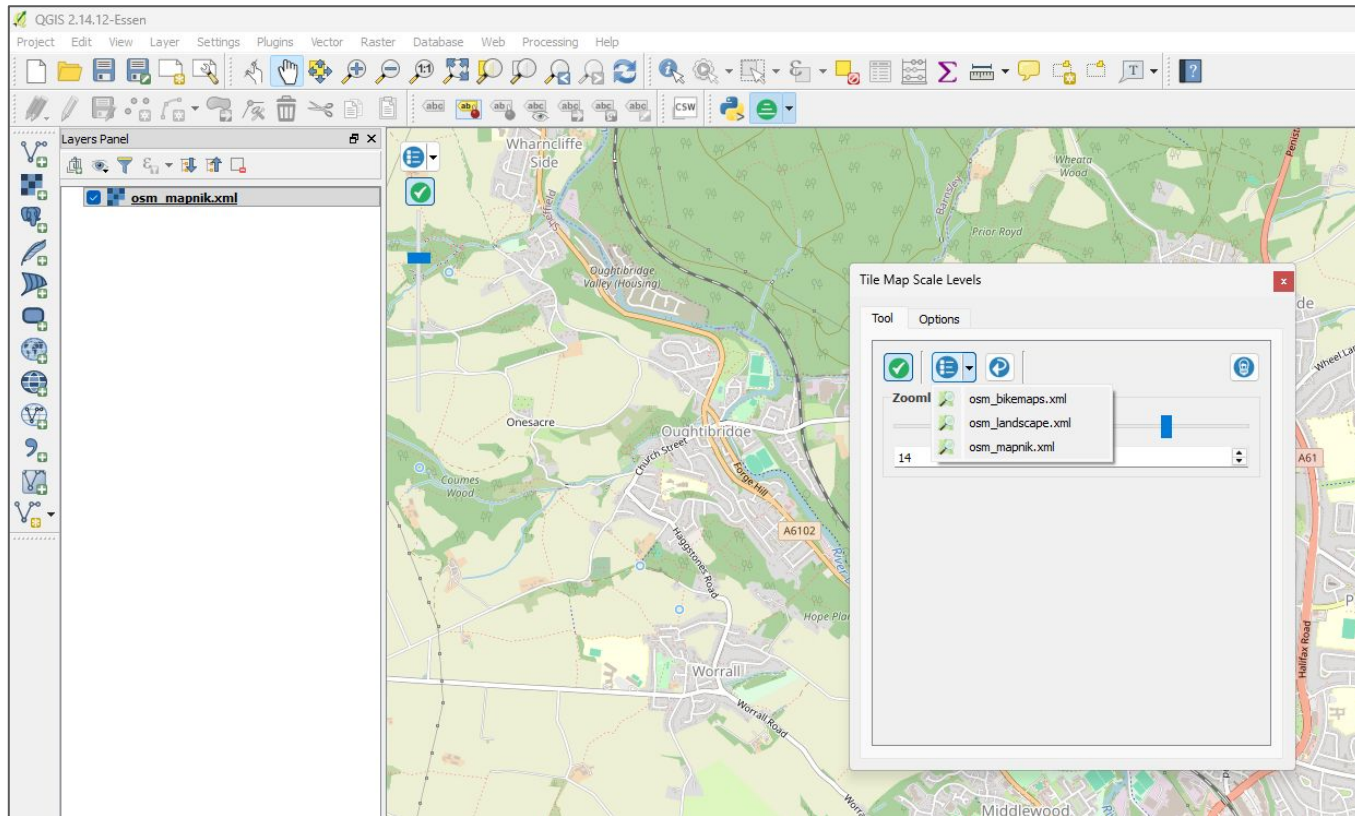
Tab delimited settings
in text files

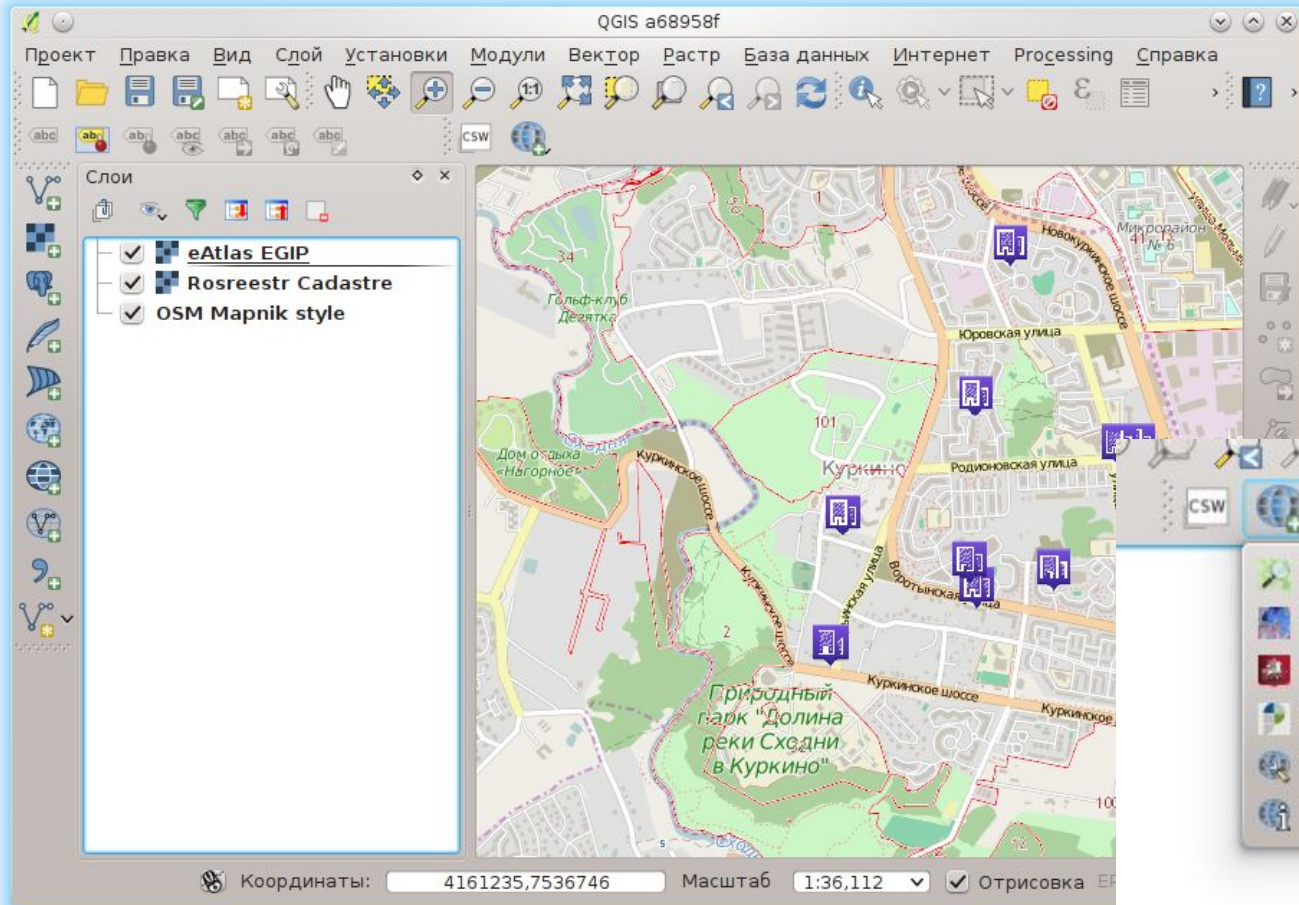
Tile Map Scale Plugin by Matthias Ludwig

First release:
Aug 11, 2014

GDAL WMS via XML
configs

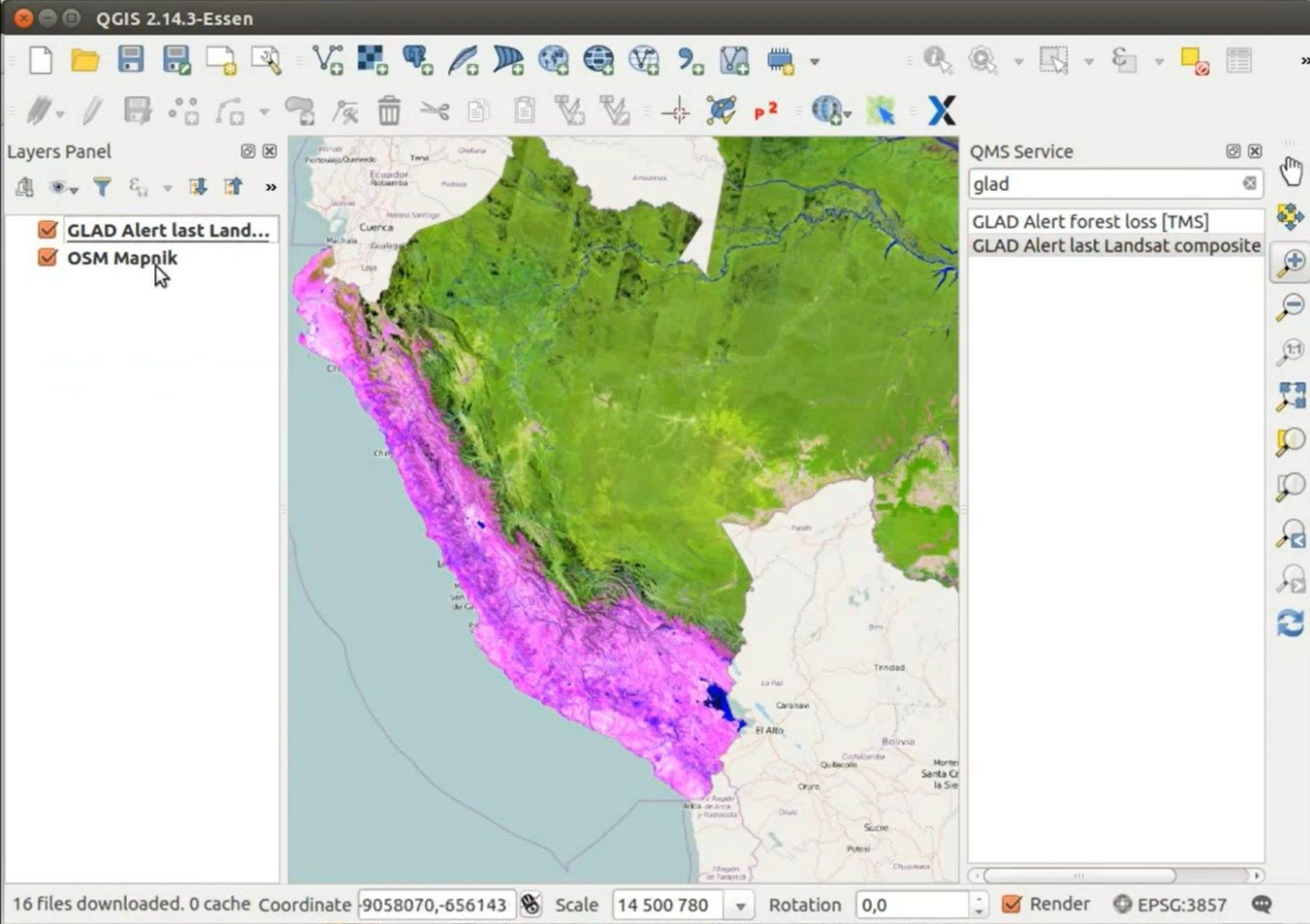
Zoom jumping





First release:
Jan 12, 2015

First commit:
Nov 24, 2014



First release:
Dec 1, 2016

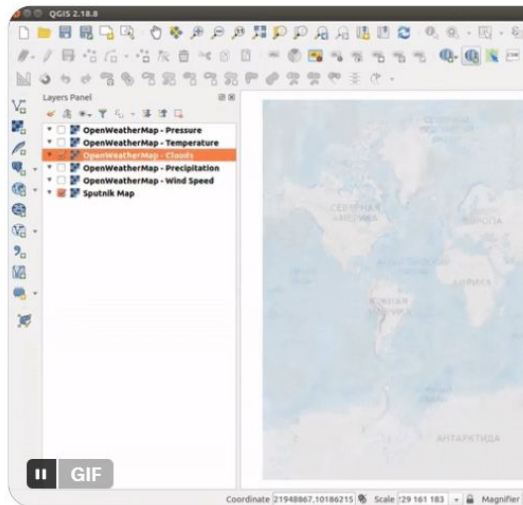
qms.nextgis.com



Hey QGIS 3 fans! Would you like to see QMS support it? Please help us make it possible sooner [nextgis.com/qms-plugin-cro...](https://nextgis.com/qms-plugin-crowdfunder/) Let's see how ~400000 downloads translate into a little bit of support for its developers ;) Enjoy the spring and please spread the word! 🌈

Crowdfunded release:
Mar 27, 2018

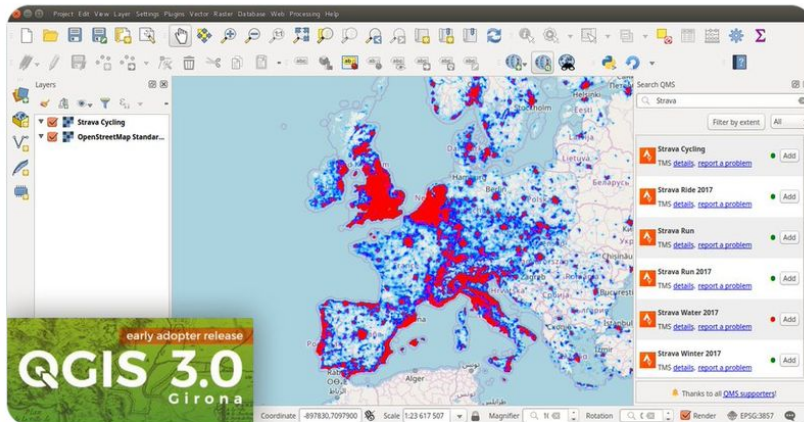
- 3.0 supported
- Native QGIS driver



8:00 AM · Mar 1, 2018



QuickMapServices (aka QMS) for QGIS3 is out in the wild! Native rendering is now default. Big thanks to its 27 backers from 11 countries who are now written in QMS history nextgis.com/blog/qms-qgis3/



10:38 AM · Mar 27, 2018



4



60



87



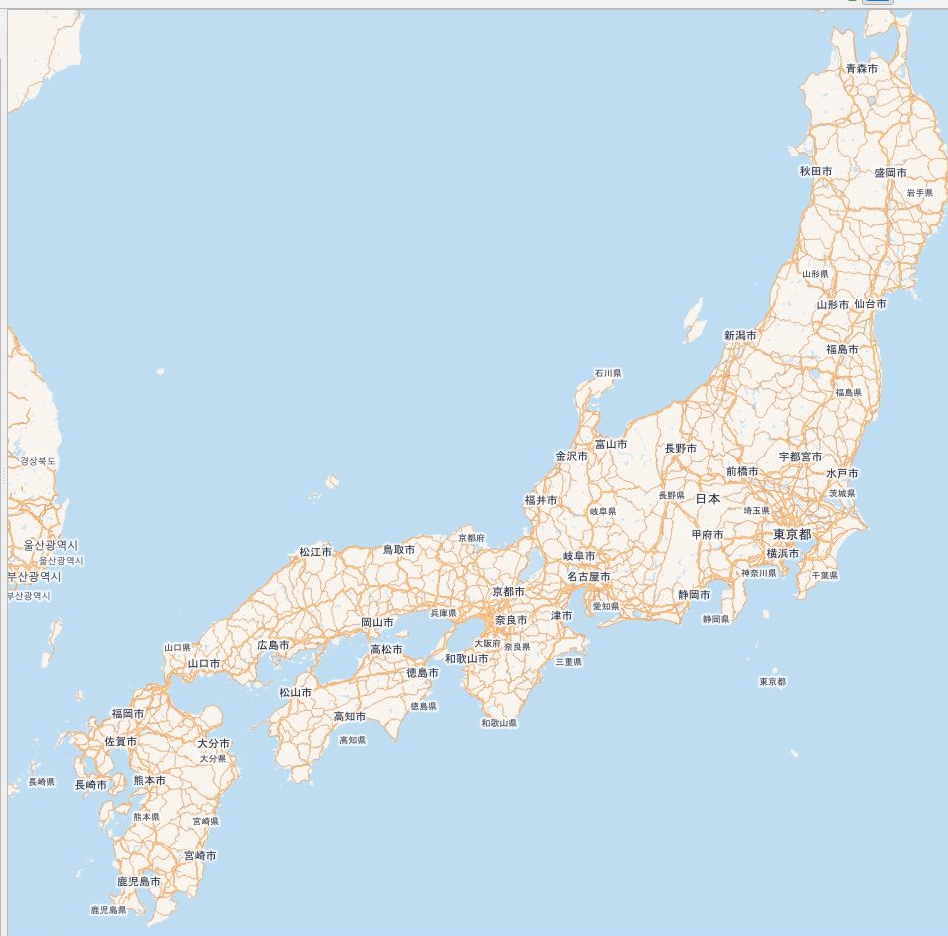
1





Layers

- ☐ NextGIS GeoServices 2 Test
- ☒ VersaTiles Colorful
- ☐ OpenStreetMap Standard aka Mapnik



Search NextGIS QMS

openstreetmap

Filter by extent

All



Cadastre France

TMS details report a problem

+ Add



Cyclosm

TMS details report a problem

+ Add



ESRI World Topo

TMS details report a problem

+ Add



MarineRegions - Coasts Subnational Level (20150814)

WMS details report a problem

+ Add



OpenStreetMap (Basque Style)

TMS details report a problem

+ Add



OpenStreetMap (Breton Style)

TMS details report a problem

+ Add



OpenStreetMap.de

TMS details report a problem

+ Add



OpenStreetMap.fr

TMS details report a problem

+ Add



OpenStreetMap (French Style)

TMS details report a problem

+ Add



OpenStreetMap (German Style)

TMS details report a problem

+ Add



OpenStreetMap GPS traces

TMS details report a problem

+ Add



OpenStreetMap (HOT Style)

TMS details report a problem

+ Add



OpenStreetMap (Occitan Style)

TMS details report a problem

+ Add

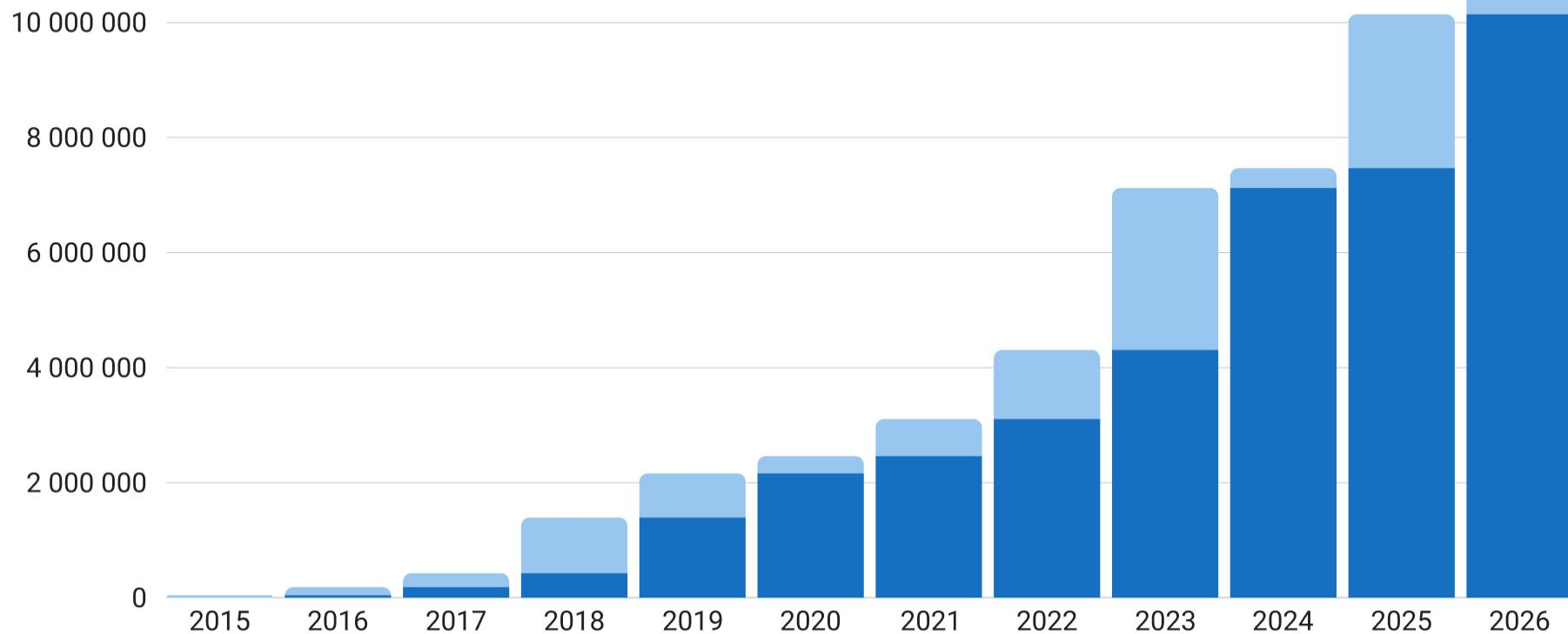


OpenStreetMap Standard aka Mapnik

+ Add

Download geodata for your project

Stats - downloads



All services

TMS

WMS

WFS

GeoJSON

Services found: 124

 OpenStreetMap (Occitan Style)

This is a TMS service for France. This service was imported from OSMLab. OSMLab id: osmfr-occitan

TMS Updated: 2026.08.20 **OpenStreetMap (HOT Style)**

This is a TMS service imported from OSMLab. OSMLab id: HDM_HOT

TMS Updated: 2026.08.20 **OpenStreetMap (German Style)**

This is a TMS service imported from OSMLab. OSMLab id: osm-mapnik-german_style

TMS Updated: 2026.08.20 **OpenStreetMap (French Style)**

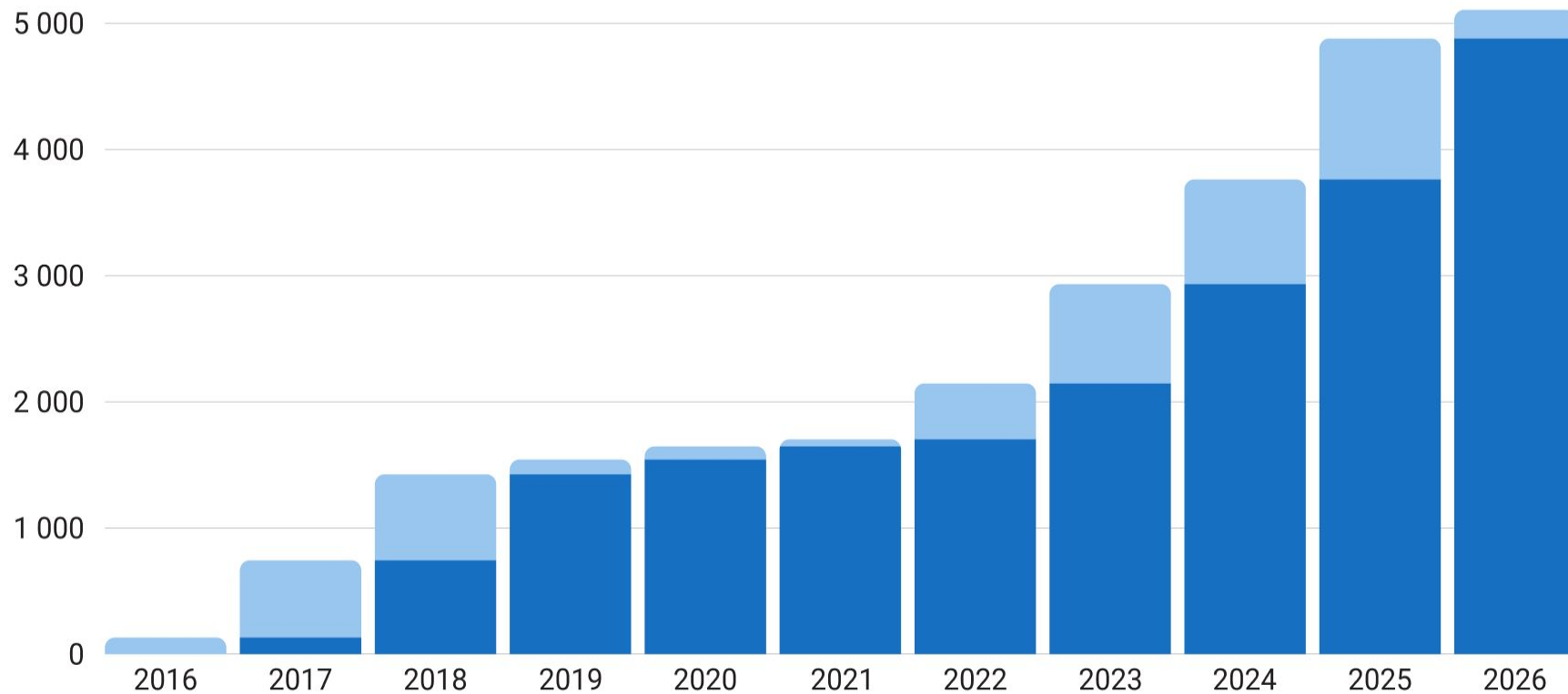
This is a TMS service imported from OSMLab. OSMLab id: osmfr

TMS Updated: 2026.08.20 **OpenStreetMap (Breton Style)**

This is a TMS service for France. This service was imported from OSMLab. OSMLab id: osmfr-breton

TMS Updated: 2026.08.20 **OpenStreetMap (Basque Style)**

Stats - services in catalog



How many are valid?

1 out of 5

What's new? Map view!

The screenshot displays the NextGIS QMS web application interface. The browser address bar shows the URL `qms.nextgis.com/map?search=hungary&type=tms`. The application header includes the NextGIS logo, navigation links for Services, Map, About, and FAQ, and buttons for 'Add service' and 'Sign in'.

The left sidebar contains a search bar with the text 'hungary' and a list of 13 services found. The services are listed as follows:

- openstreetmap.hu orthophotos
- Sósút, Pusztazámor, Tárnok, Diósd orthophoto 2017
- FÖMI orthophoto 2016 leaf-off 20cm (webp)
- Hillshade Hungary
- EUFAR Balaton orthophotos
- FÖMI orthophoto 2011-2014
- FÖMI orthophoto 2015-2020 leafless, PARTIAL
- FÖMI orthophoto 2015
- FÖMI orthophoto 2007-2010
- Szeged orthophoto 2011
- Danube flood orthophoto 2013

The main map area displays a satellite view of Hungary, with a blue rectangular selection box highlighting a specific region in the central part of the country. The map includes a scale bar and a 'Service details' button at the bottom left. The footer of the application shows the copyright notice '© 2026 NextGIS' and links to the 'Terms of Service' and 'Privacy Policy'.

What's new? Vector tiles in the web viewer

The screenshot shows a web browser window displaying the NextGIS web viewer. The address bar shows the URL `qms.nextgis.com/geoservices/10243`. The page title is "VersaTiles OpenStreetMap Colorful + Terrain".

Service Info

- Style URL: <https://tiles.versatiles.org/assets/styles/colorful-terrain/style.json>
- Z min: 0
- Z max: 14

General Info

Description: A colorful OpenStreetMap basemap from VersaTiles enhanced with terrain shading to provide a clearer sense of elevation and landscape structure. Well suited for general-purpose maps, outdoor applications, and visualizations where both geographic features and relief are important.

Type: Vector tiles

CRS: 3857

Submitter: dezhin

Source: <https://versatiles.org>

Date added: 2026.08.27

Last update: 2026.08.28

Service boundary: None

Status: Working

License & Copyright Info

- License name: None
- License URL: None
- Copyright text: None
- Copyright URL: None
- Terms of use URL: None

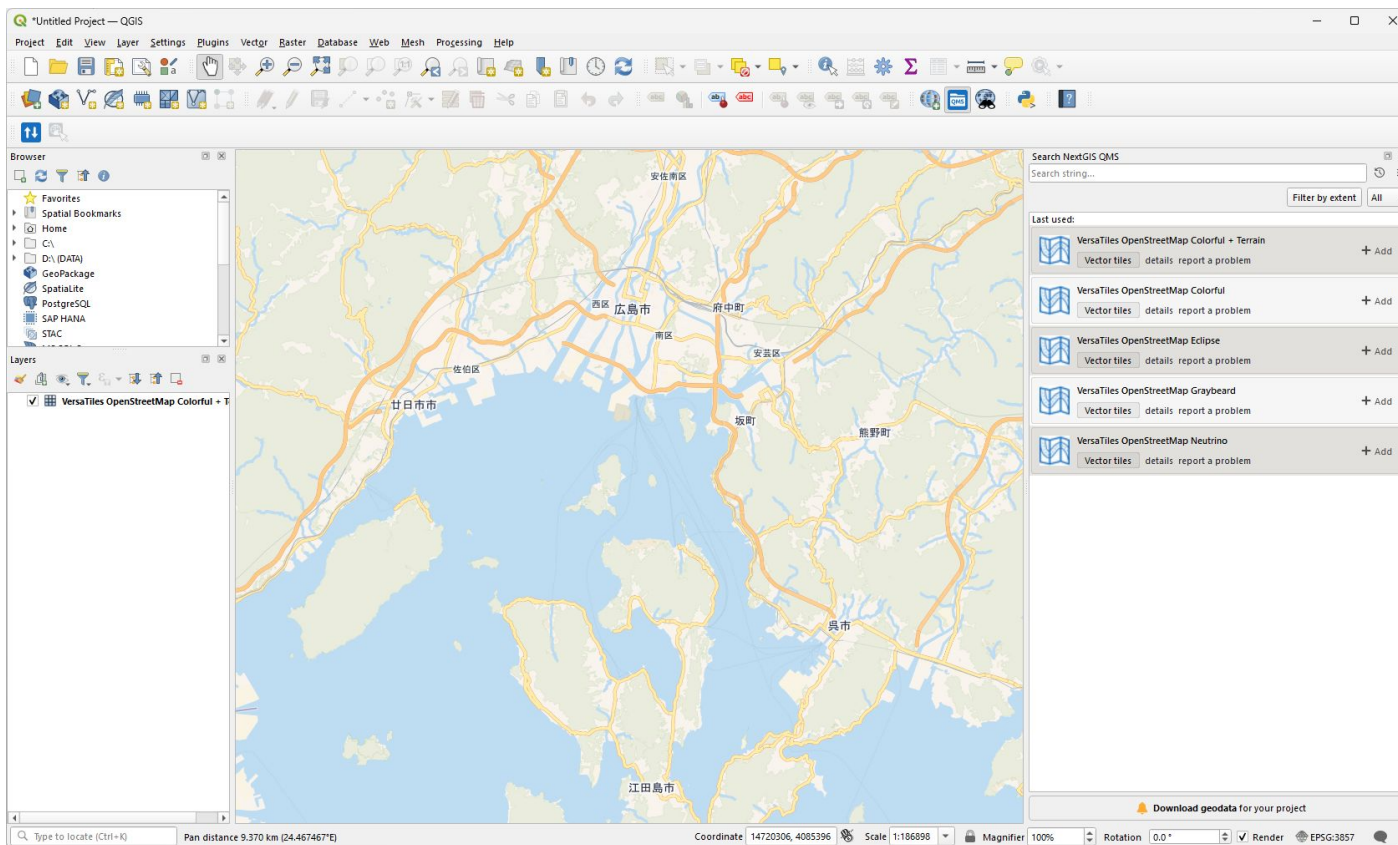
The main map area displays a colorful vector tile map of a coastal region, likely Japan, showing cities like 広島市 (Hiroshima), 廿日市市 (Fukuroi), 海田町 (Uda), 熊野町 (Kumano), 大竹市 (Otake), 和木町 (Waki), 岩国市 (Iwakuni), and 江田島市 (Yasuda). The map includes terrain shading and a blue overlay representing water bodies. A "Feedback" button is located in the top right corner of the map area. A "Chat with us" button is located in the bottom right corner of the page.

© 2026 NextGIS

info@nextgis.com

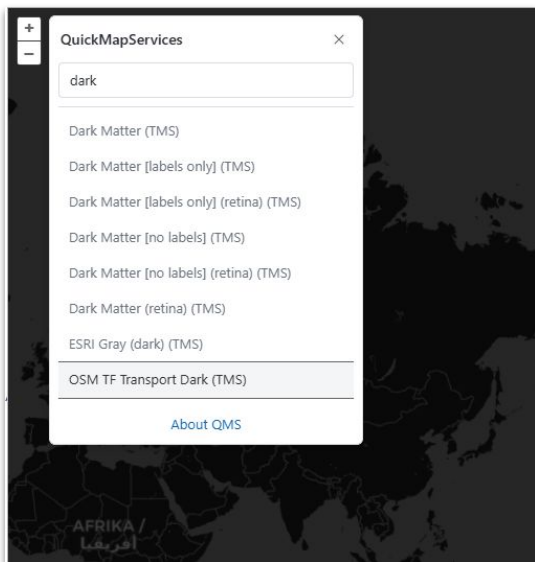
Terms of Service Privacy Policy

What's new? Vector tiles in QGIS

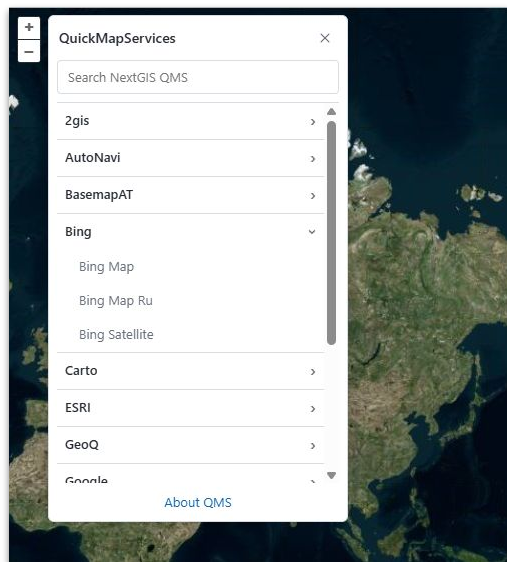


What's new? Embeddable QMS

QGIS-like access to **QuickMapServices** in popular **JavaScript** mapping frameworks



Search
Find services in QMS



Catalog
Browse available services

```
import Map from 'ol/Map';
import 'ol/ol.css';
import '@nextgis/qms-ol/lib/qms-ol.css';

import { addQmsLayer } from '@nextgis/qms-ol';

const map = new Map({ target: 'map' });

const layer = await addQmsLayer(map, 448);
```

JavaScript API
Add programmatically

What's new? QMS for web mapping libraries

One API. Three libraries.



Maplibre GL JS



OpenLayers



Leaflet

Coming up

- Better spatial search
- Collections
- Cloud native formats
- Proper UGC
- ... missing anything?

NEXTGIS



<https://nextgis.com>

info@nextgis.com

[linkedin.com/company/nextgis](https://www.linkedin.com/company/nextgis)



community.nextgis.com