

# OPEN MAPS FOR EUROPE

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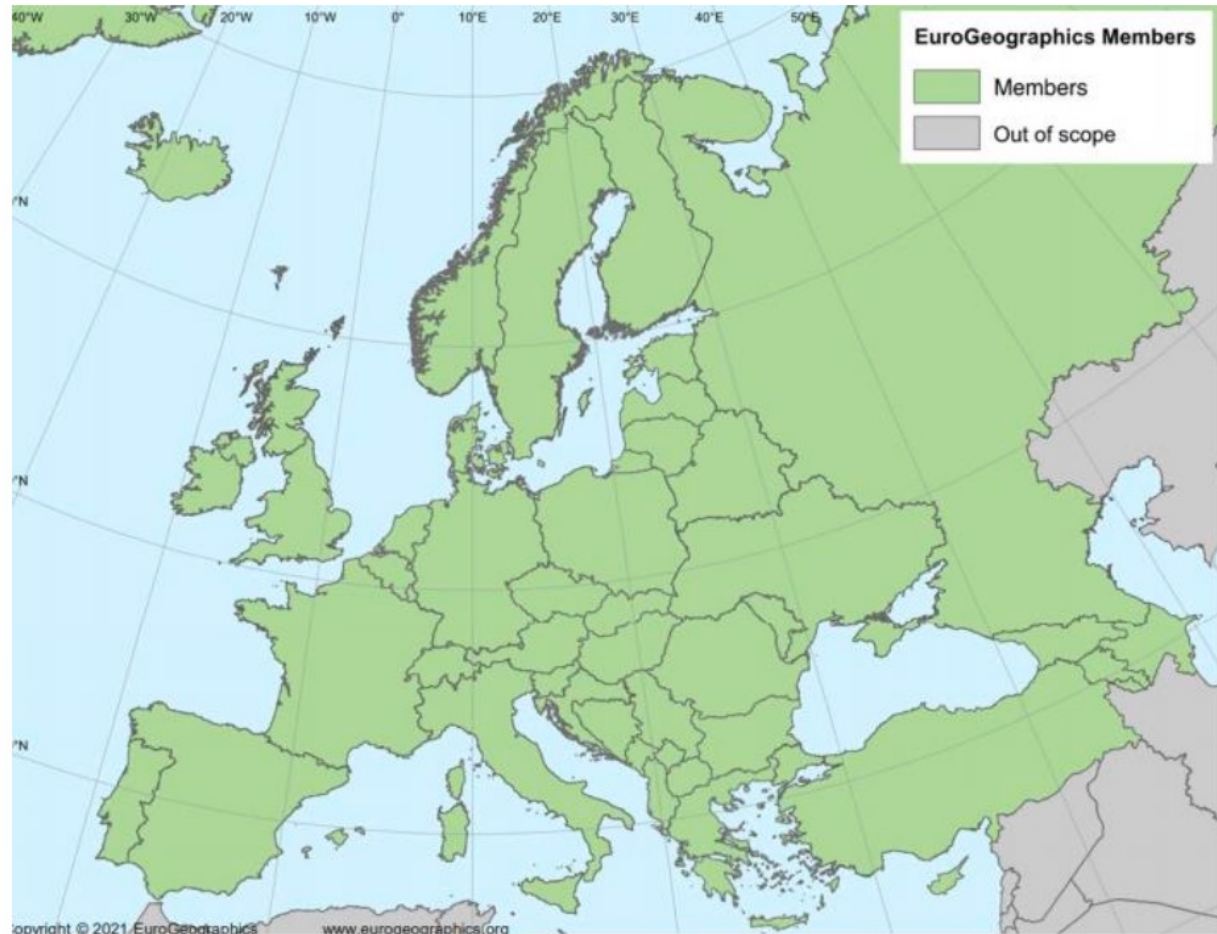
# OME IS AN INITIATIVE OF EUROGEOGRAPHICS

Eurogeographics is a European cooperation of :

- Mapping agencies
- Cadastral agencies
- Land registries



**60+**   **46**     
**members countries**  
from the whole of geographical Europe



<https://www.eurogeographics.org/>



# OPEN MAPS FOR EUROPE

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- Opening up Pan European datasets
- Technical platform giving access to digital maps of Europe and pan-European datasets
- Dissemination, impact and sustainability
  
- Production of pan-European harmonised datasets:
  - EuroGlobalMap
  - **EuroRegionalMap**
  - EuroDEM
  - Open Cadastral map, Imagery, Gazetteer, etc.

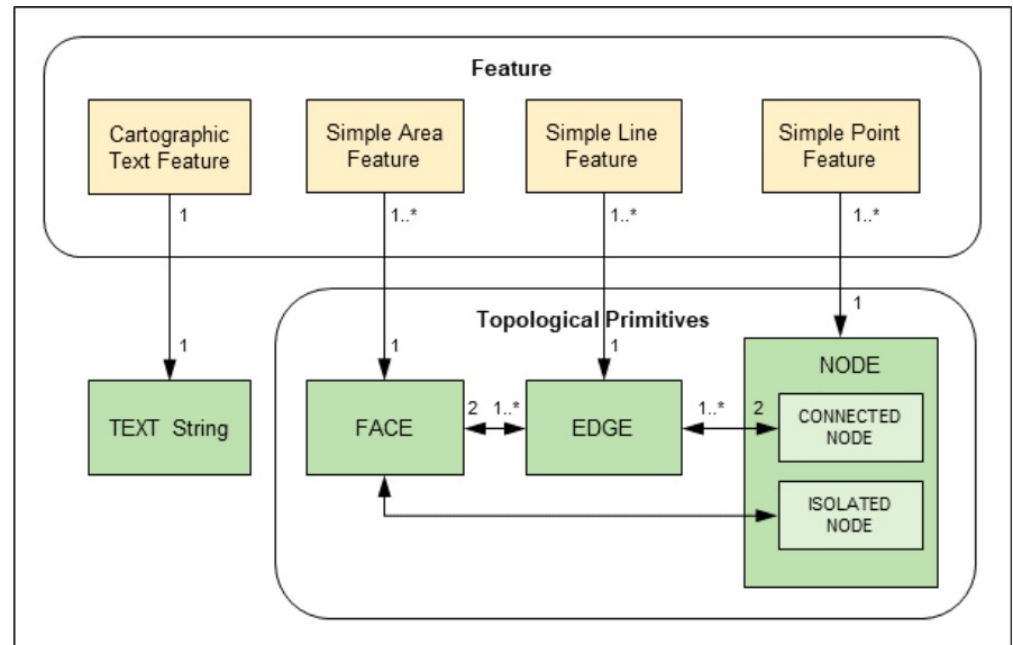
<https://www.mapsforeurope.org/>





# EURO REGIONAL MAP SPATIAL DATA

- Vector data - *reference scale* 1:250.000
- two-dimensional geographical coordinates, degrees (longitude, latitude) :
  - Spatial reference system = ETRS89 with ellipsoid GRS80 (difference with WGS84 “is negligible”)
  - Not projected. Projections that are recommended are Lambert Azimuthal Equal Area (EPSG:3035) or Lambert Conformal Conic (EPSG:3034)
- Harmonized data model
  - geometry
  - attributes (*themes*)



# EURO REGIONAL MAP FEATURE ATTRIBUTES

Thematic themes:

- Administrative Boundaries (BND)
- Hydrography (HYDRO)
- Named Location (NAME)
- Miscellaneous (MISC)
- Settlement (POP)
- Transportation (TRANS)
- Vegetation and Soils (VEG)

All described in the specification documentation (PDF).

Railway Station		AQ125
Definition:	A stopping place for the transfer of passengers and/or freight.	
Feature class:	RAILRDC	
Feature type:	Point	
Primitive type:	Connected node	
Portrayal criteria:	All the stations and stopping places used for passenger traffic and/or freight traffic.	
Quality criteria:	All stations and stopping places should be named. Each railway station must have a unique railway station identifier.	

Attributes:


TFC	Transportation Facility Type	
	Data type:	Short integer
	Domain:	Coded value
		-32768 Unknown, unpopulated, not applicable, no value
		15 Railway Station
		31 Joint Railway Station
		32 Halt
		33 Marshalling Yard
		34 Intermodal Rail Transport Terminal
NAMN1	Name in first national language	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
NAMN2	Name in second national language	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
NAMA1	Name in first national language (ASCII-7bit)	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
NAMA2	Name in second national language (ASCII-7bit)	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
NLN1	ISO 639-2/B 3-Char Language Code for NAMN1	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
NLN2	ISO 639-2/B 3-Char Language Code for NAMN2	
	Data type:	Character
	Domain:	Actual value
		UNK Unknown, unpopulated, not applicable, no value
RStationID	Railway station Identifier	
	Data type:	Character
	Domain:	Actual value
TUC	Transportation Use Category	
	Data type:	Short integer
	Domain:	Coded value
		-32768 Unknown, unpopulated, not applicable, no value
		25 Cargo/Freight
		26 Passenger
		45 General



# ACCESSING EUROREGIONALMAP

- **Web Map Service (WMS)**, raster map with preset styling
- **Web Feature Service (WFS)**, the raw vector data
- **Download** of the vector data

For all access you need to apply for a **token** at the website <https://www.mapsforeurope.org/access-data>



Hello,

Thank you for your request for Open Maps for Europe services. Please find your access token and the list of services below that you now have access to. This is your credential for connecting to the service(s), for example, in desktop and web applications.

A copy of the licence and dataset documentation is included in downloads. For Web Services, please see the dataset information page for further details.

If you request additional services in the future, they will be applied to the same e-mail and token. Please note that your token is unique to you so do not share it with others.

If you have received this email by mistake, please delete it.

Kind regards,  
EuroGeographics

**Your Token**

ImV1cm9nZW9ncmFwaGljc19yZWdpc3RlcmVhZxZQ4NSI.FEgtEA.CkBTkCn-Nrf3D GOKSYrcDmvcKWE

**EuroDEM - WMS**

<https://www.mapsforeurope.org/maps/wms?SERVICE=WMS&VERSION=1.3.0&REQUEST=GetCapabilities&token=ImV1cm9nZW9ncmFwaGljc19yZWdpc3RlcmVhZxZQ4NSI.FEgtEA.CkBTkCn-Nrf3DGOKSYrcDmvcKWE>

**EuroDEM - WMTS**







<https://www.mapsforeurope.org/maps/wmts?SERVICE=WMTS&VERSION=1.0.0&R>



## Access Data

Please select the datasets you want, and then review and accept the [licence terms](#) and enter your e-mail address. We will send you a download link and/or instructions for connecting to the service.

If you have any queries, please go to our [FAQ's](#)

 <p><b>EuroGlobalMap</b> GeoPackage - 434.1Mb zip Shapefile - 399.7Mb zip WFS, WMS, WMTS Last Update: 02/2024</p> <p><input type="checkbox"/> Download <input type="checkbox"/> Web Service</p>	 <p><b>EuroRegionalMap</b> GeoPackage - 3.0Gb zip File GDB - 1.2Gb zip Shapefile - 2.6Gb zip WFS, WMS, WMTS Last Update: 05/2023</p> <p><input checked="" type="checkbox"/> Download <input checked="" type="checkbox"/> Web Service</p>	 <p><b>EuroDEM</b> Tiff - 2.5Gb zip WMS, WMTS Last Update: 04/2022</p> <p><input type="checkbox"/> Download <input type="checkbox"/> Web Service</p>
 <p><b>Open Cadastral Map</b> WMS, WMTS Last Update: November 2022</p> <p><input type="checkbox"/> Web Service</p>	 <p><b>Pan-European Imagery</b> WMS Last Update: 2018</p> <p><input type="checkbox"/> Web Service</p>	 <p><b>Open Gazetteer</b> Geopackage - 124.0Mb zip WFS, WMS, WMTS Last Update: 11/2023</p> <p><input type="checkbox"/> Download <input type="checkbox"/> Web Service</p>



# ACCESSING EUROREGIONALMAP

**Web Map Service (WMS)**, raster map with preset styling

<https://www.mapsforeurope.org/maps/wms?VERSION=1.3.0&token=<token>>

The screenshot displays a GIS application interface. On the left, a window titled "Create a New WMS/WMTS Connection" is open, showing the "Connection Details" section. The "Name" field contains "EuroRegionalMap WMS" and the "URL" field contains "https://www.mapsforeurope.org/maps/wms?VERSION=1.3.0&token=lmV1cm5". Below this, the "Authentication" section is partially visible. To the right of the connection window is a "Layers" panel with a legend for the "EuroRegionalMap" layer. The legend lists various map features with corresponding symbols and colors: Airport (pink airplane), Airfield / Runway (pink rectangle), Ferry line (dashed line), Railway (black line), Railway underground (dashed line), Motorway (red line), Motorway underground (dashed line), Main road (orange line), Main road underground (dashed line), Secondary road (yellow line), Secondary road underground (dashed line), Local road (grey line), Local road underground (dashed line), Motorway interchange (purple circle), Country capital (black circle), Region / Province / District capital / Municipality (white circle), Village / Hamlet / Quarter (black dot), Built up area (brown area), Administrative boundary (scale dependent) (purple dashed line), Watercourse (blue line), Waterbody (light blue area), Sea (dark blue area), Forest (green area), and Orchard (light green area). The main map area on the right shows a raster map of a coastal region with a network of roads, water bodies, and green spaces.

**Create a New WMS/WMTS Connection**

**Connection Details**

Name: EuroRegionalMap WMS

URL: <https://www.mapsforeurope.org/maps/wms?VERSION=1.3.0&token=lmV1cm5>

**Authentication**

Layers: Layer Order Tilesets

EuroRegionalMap WMS

Connect New Edit Remove Load Save

ID	Name	Title	Abstract
0		thinkWhere ...	
1	erm	EuroRegional...	
2	default	default	
3	egm	EuroGlobalMap	
5	eurodem	EuroDEM	

Legend:

- Airport
- Airfield / Runway
- Ferry line
- Railway
- Railway underground
- Motorway
- Motorway underground
- Main road
- Main road underground
- Secondary road
- Secondary road underground
- Local road
- Local road underground
- Motorway interchange
- Country capital
- Region / Province / District capital / Municipality
- Village / Hamlet / Quarter
- Built up area
- Administrative boundary (scale dependent)
- Watercourse
- Waterbody
- Sea
- Forest
- Orchard

# ACCESSING EUROREGIONALMAP

**Web Feature Service (WFS),** the raw vector data:

<https://www.mapsforeurope.org/maps/wfs?VERSION=1.1.0&token=<token>>

The screenshot displays a GIS application interface. On the left, a 'Connection Details' panel shows the connection name 'EuroRegionalMap 1:250k' and the URL 'https://www.mapsforeurope.org/maps/wfs?VERSION=1.1.0&token=lmV1cm9r'. Below this is an 'Authentication' section. On the right, a toolbar contains buttons for 'Connect', 'New', 'Edit', 'Remove', 'Load', and 'Save'. Below the toolbar is a search bar and a table of available layers.

Title	Name	Abstract	Sql
Euro Regional Map runwayl for WFS	ome:erm_wfs_runwayl		
Euro Regional Map roadl for WFS	ome:erm_wfs_roadl		
Euro Regional Map restc for WFS	ome:erm_wfs_restc		

The main area of the application shows a map of a road network, with roads represented by yellow lines on a white background.

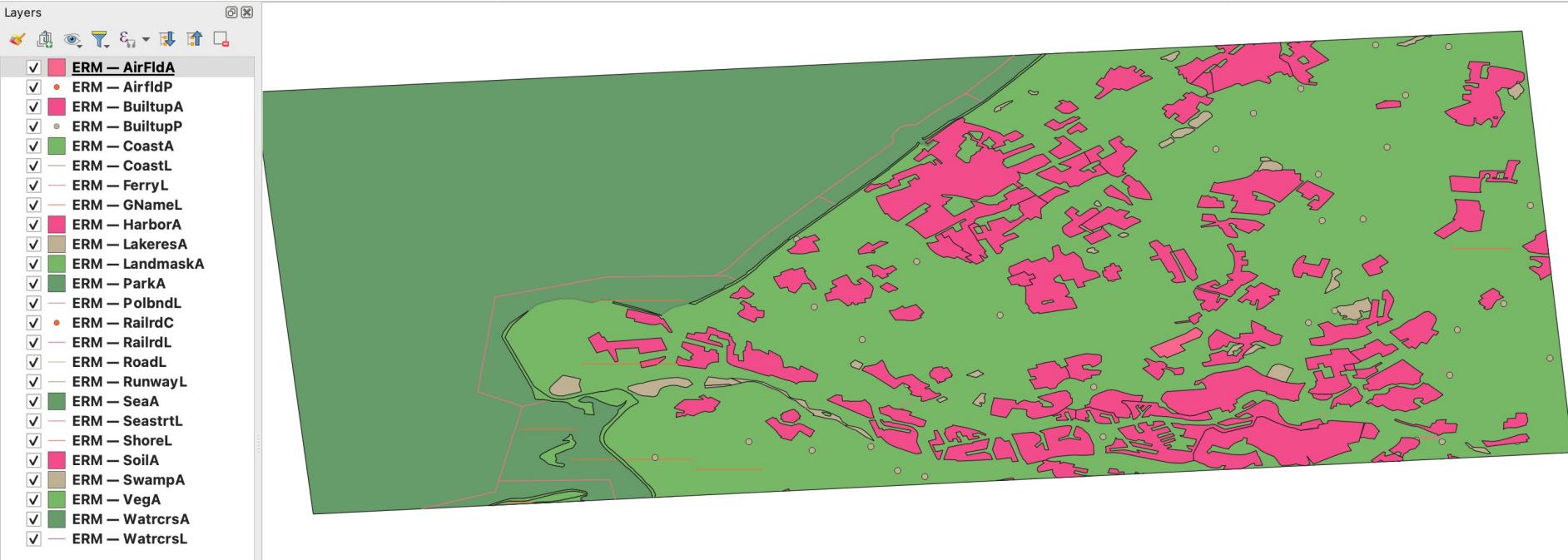
# ACCESSING EUROREGIONALMAP

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## ▪ Download of the vector data:

Details: <https://www.mapsforeurope.org/datasets/euro-regional-map>

- [GeoPackage](#) - 3.0Gb zip  
[in this workshop we use a small excerpt]
- ESRI FileGeodatabase - 1.2Gb zip
- ESRI Shapefile - 2.6Gb zip



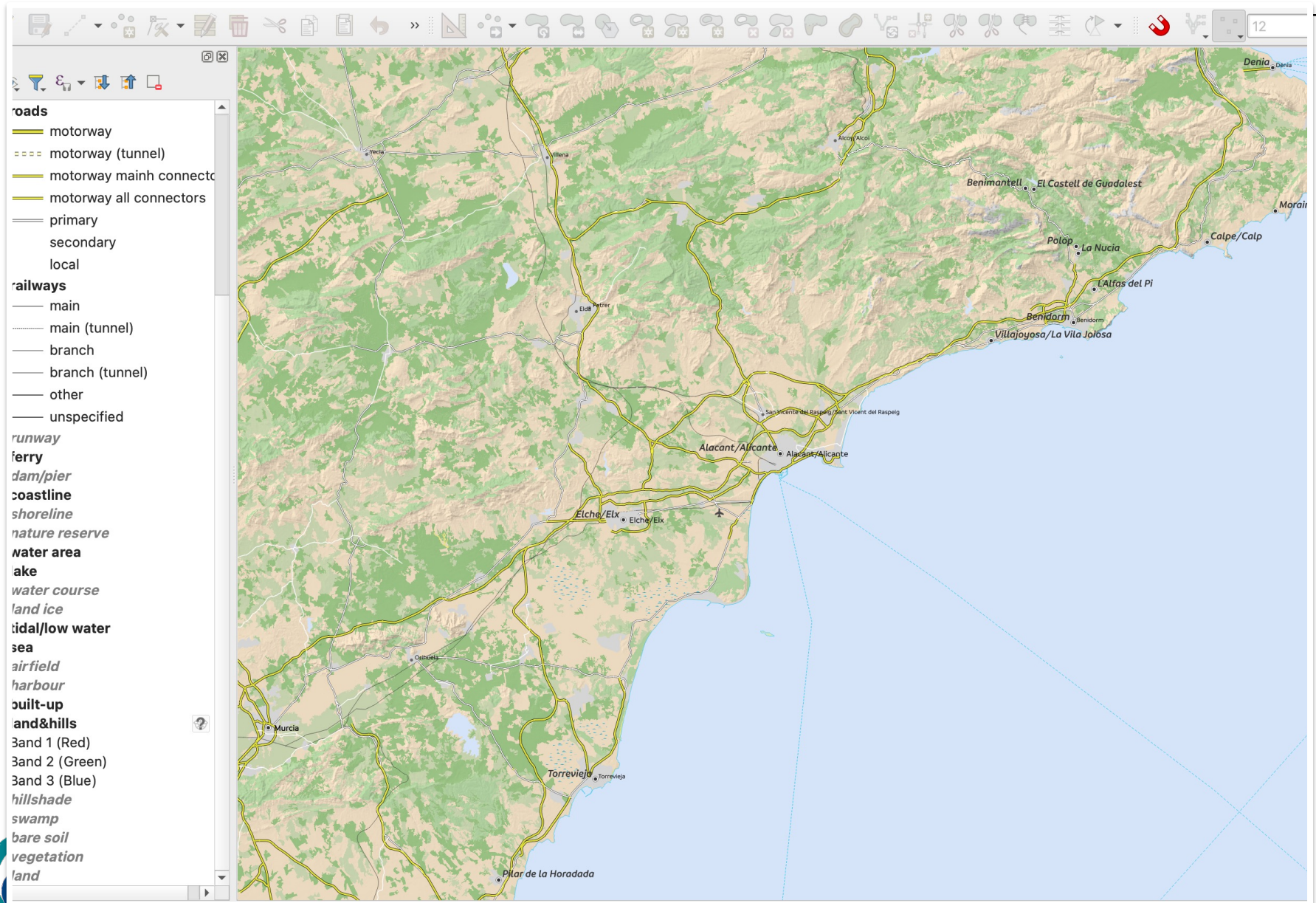


# EXAMPLES: ERM STYLED FOR PRINT IN QGIS





# EXAMPLES: ERM + EURODEM STYLED FOR PRINT





# EXAMPLES: ERM + EURODEM IN ILLUSTRATOR





# EXAMPLES: EGM + EURODEM IN QGIS





# EXAMPLES: EGM IN ILLUSTRATOR

