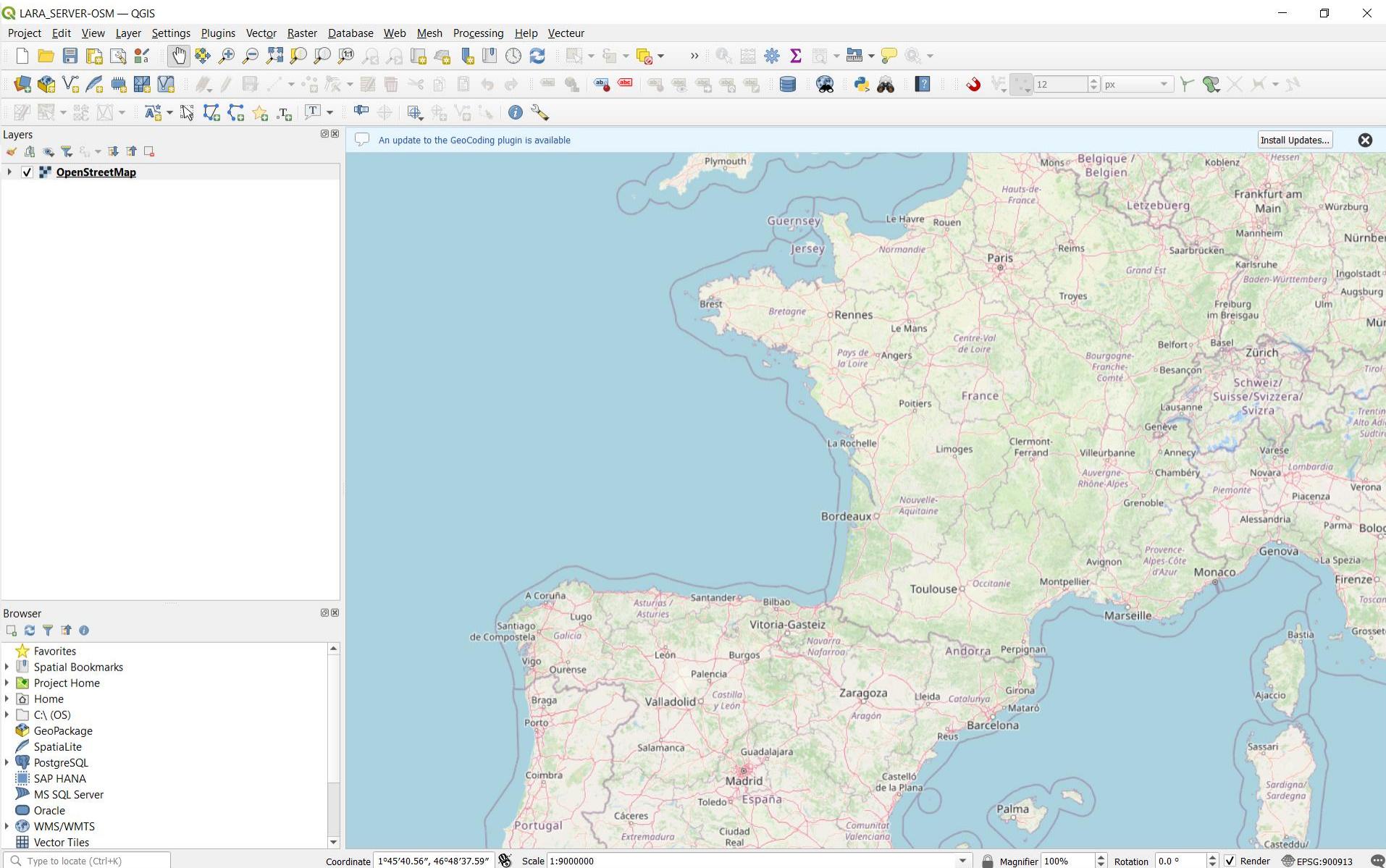


Civil-Military Cooperation



LARA V4.0 – Generic QGIS project

1) Start the provided QGIS “.qgz”



2) Edit the provided CDRs “.qlr”

C:\LARA\QGIS\CDRs-LARA_SERVER-5432 qlr - Notepad++

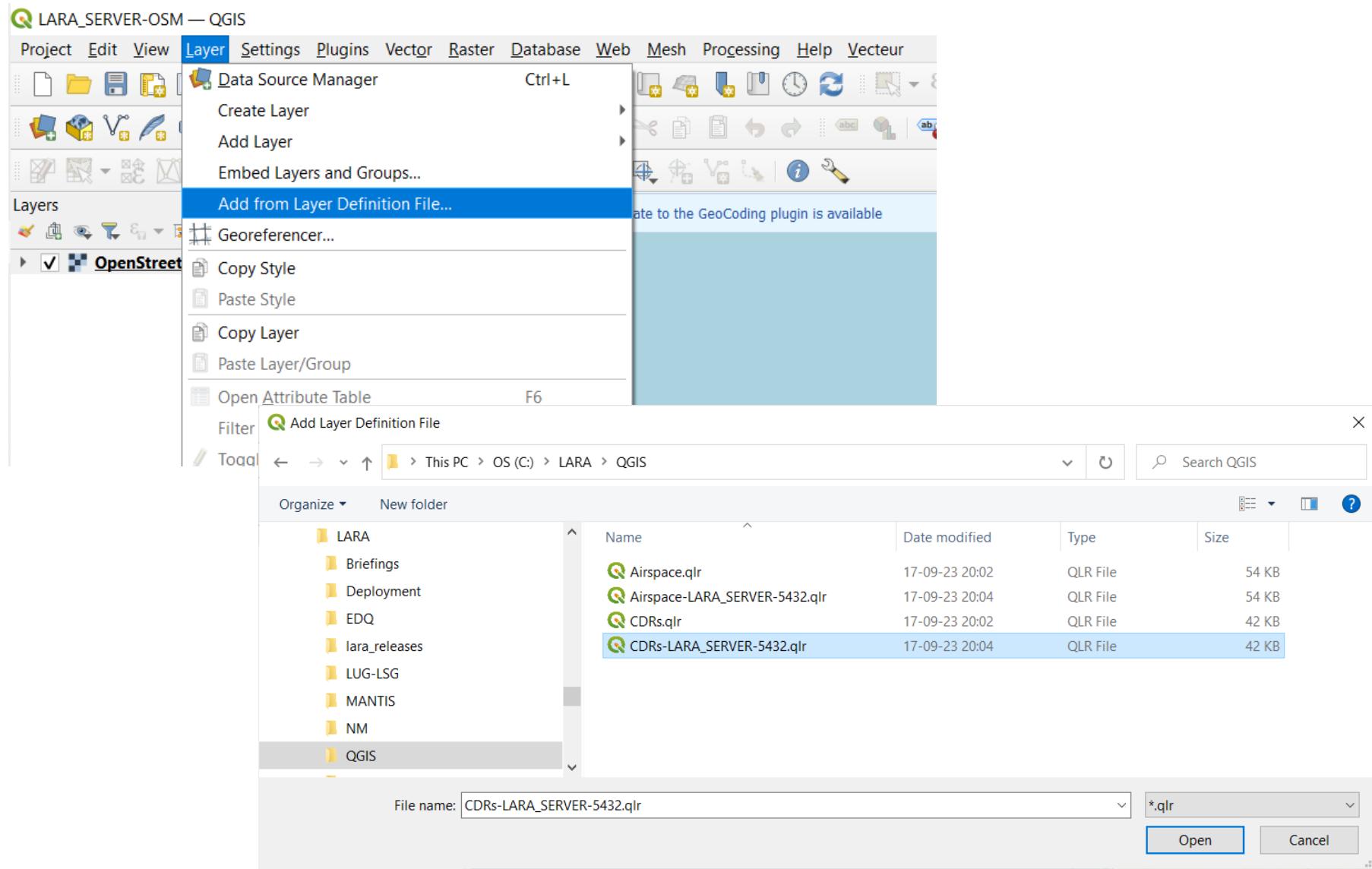
```

1 <!DOCTYPE qgis-layer-definition>
2 <qlr>
3   <layer-tree-group expanded="1" checked="Qt::Checked" groupLayer="" name="">
4     <customproperties>
5       <Option/>
6     </customproperties>
7     <layer-tree-layer legend_exp="" id="CDRs_a7b5f3a2_4d0c_4ela_805a_6f87a26165a4" legend_split_behavior="0" expanded="1">
8       checked="Qt::Checked" patch_size="-1,-1" name="CDRs" providerKey="postgres" source="dbname='LARA_SERVER_Db14' host=localhost port=5432"
9         sslmode=disable key='_uid_' checkPrimaryKeyOnicity='0' table=(SELECT row_number() over () AS _uid_,*
10        (&#xd;&#xa;&#xd;&#xa;&#xd;&#xa;SELECT DISTINCT&#xd;&#xa; concat(perpetualcdr.name,':
11        ',\&quot;pStart\&quot;,.icaoname,'-',\&quot;pEnd\&quot;,.icaoname) as Segment,&#xd;&#xa; perpetualcdr.name as cdrname,&#xd;&#xa;
12        \&quot;pStart\&quot;,.icaoname as startPoint,&#xd;&#xa; \&quot;pEnd\&quot;,.icaoname as endPoint,&#xd;&#xa;
13        ST_Makeline(\&quot;pStart\&quot;,.point, \&quot;pEnd\&quot;,.point) as line&#xd;&#xa; FROM data.perpetualcdr,
14        data.perpetualcdrsegment, data.perpetualpoint \&quot;pStart\&quot;, data.perpetualpoint \&quot;pEnd\&quot; WHERE
15        perpetualcdrsegment.cdr_dbid = perpetualcdr.dbid AND perpetualcdrsegment.start_dbid = \&quot;pStart\&quot;,.dbid AND
16        perpetualcdrsegment.end_dbid = \&quot;pEnd\&quot;,.dbid&#xa;) AS _subq_1_&#xa;)&quot; (line)">
17       <customproperties>
18         <Option/>
19       </customproperties>
20     </layer-tree-layer>
21   </layer-tree-group>
22   <maplayers>
23     <maplayer autoRefreshEnabled="0" symbologyReferenceScale="-1" minScale="100000000" simplifyLocal="1" geometry="Line"
24       refreshOnNotifyMessage="" legendPlaceholderImage="" refreshOnNotifyEnabled="0" simplifyDrawingTol="1" simplifyAlgorithm="0"
25       styleCategories="AllStyleCategories" autoRefreshTime="0" simplifyMaxScale="1" maxScale="0" wkbType="LineString"
26       simplifyDrawingHints="1" hasScaleBasedVisibilityFlag="0" readOnly="0" type="vector" labelsEnabled="1">
27       <extent>
28         <xmin>-5.8366666666666956</xmin>
29         <ymin>39</ymin>
30         <xmax>9.75</xmax>
31         <ymax>51.287222222219784</ymax>
32       </extent>
33       <wgs84extent>
34         <xmin>-5.8366666666666956</xmin>
35         <ymin>39</ymin>
36         <xmax>9.75</xmax>
37         <ymax>51.287222222219784</ymax>
38     </maplayer>
39   </maplayers>
40 </qlr>

```

Warning: 2 locations for data source

3) Add CDRs layer



4) Re-order layers stack (OSM at bottom)

*LARA_SERVER-OSM — QGIS

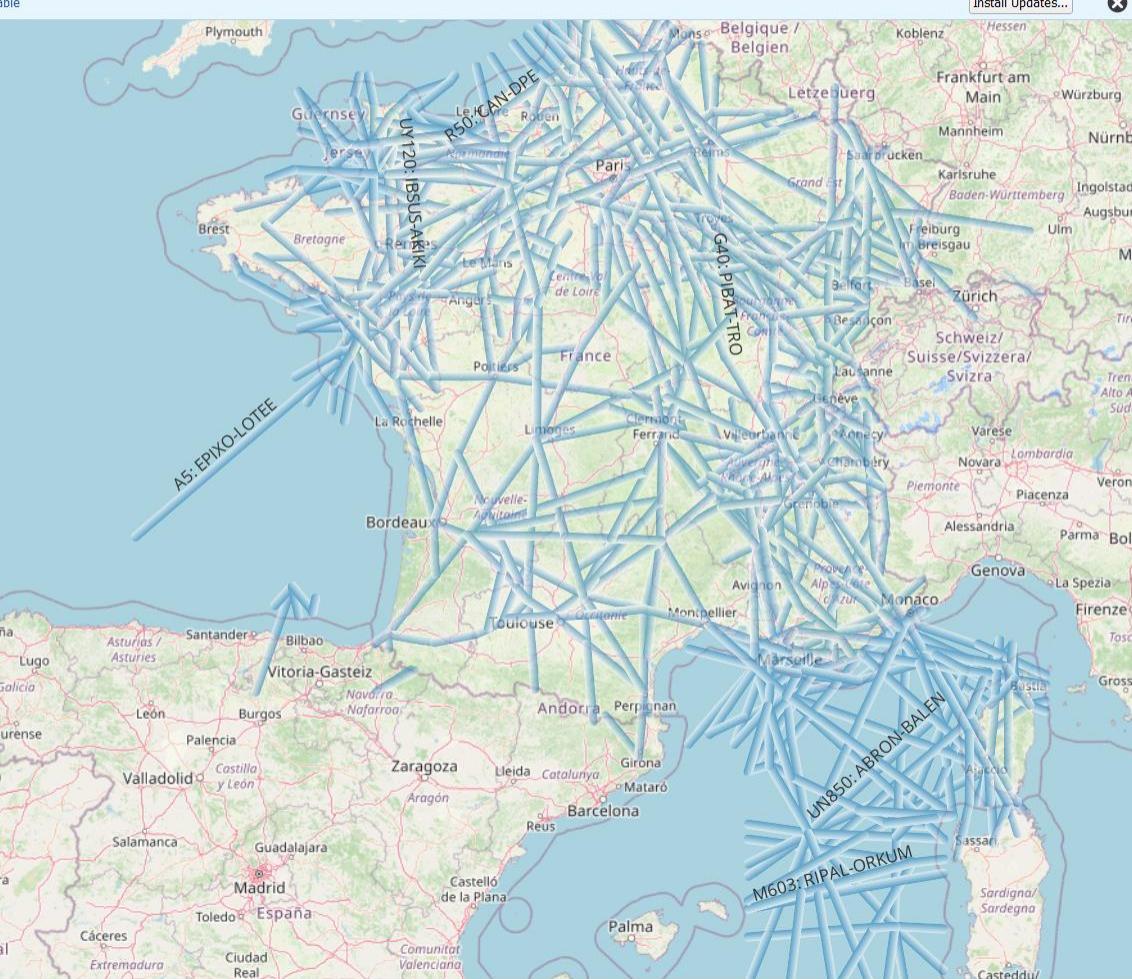
Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help Vecteur

Layers

- CDRs
- OpenStreetMap

An update to the GeoCoding plugin is available

Install Updates...



Browser

- ★ Favorites
- Spatial Bookmarks
- Project Home
- Home
- C:\ (OS)
- GeoPackage
- SpatialLite
- PostgreSQL
- SAP HANA
- MS SQL Server
- Oracle
- WMS/WMTS
- Vector Tiles

Coordinate -12°51'11.36", 47°32'35.73" Scale 1:9000000 Magnifier 100% Rotation 0.0 ° Render EPSG:900913

5) Edit the provided Airspace “.qlr”

C:\LARA\QGIS\Airspace-LARA_SERVER-5432 qlr - Notepad++

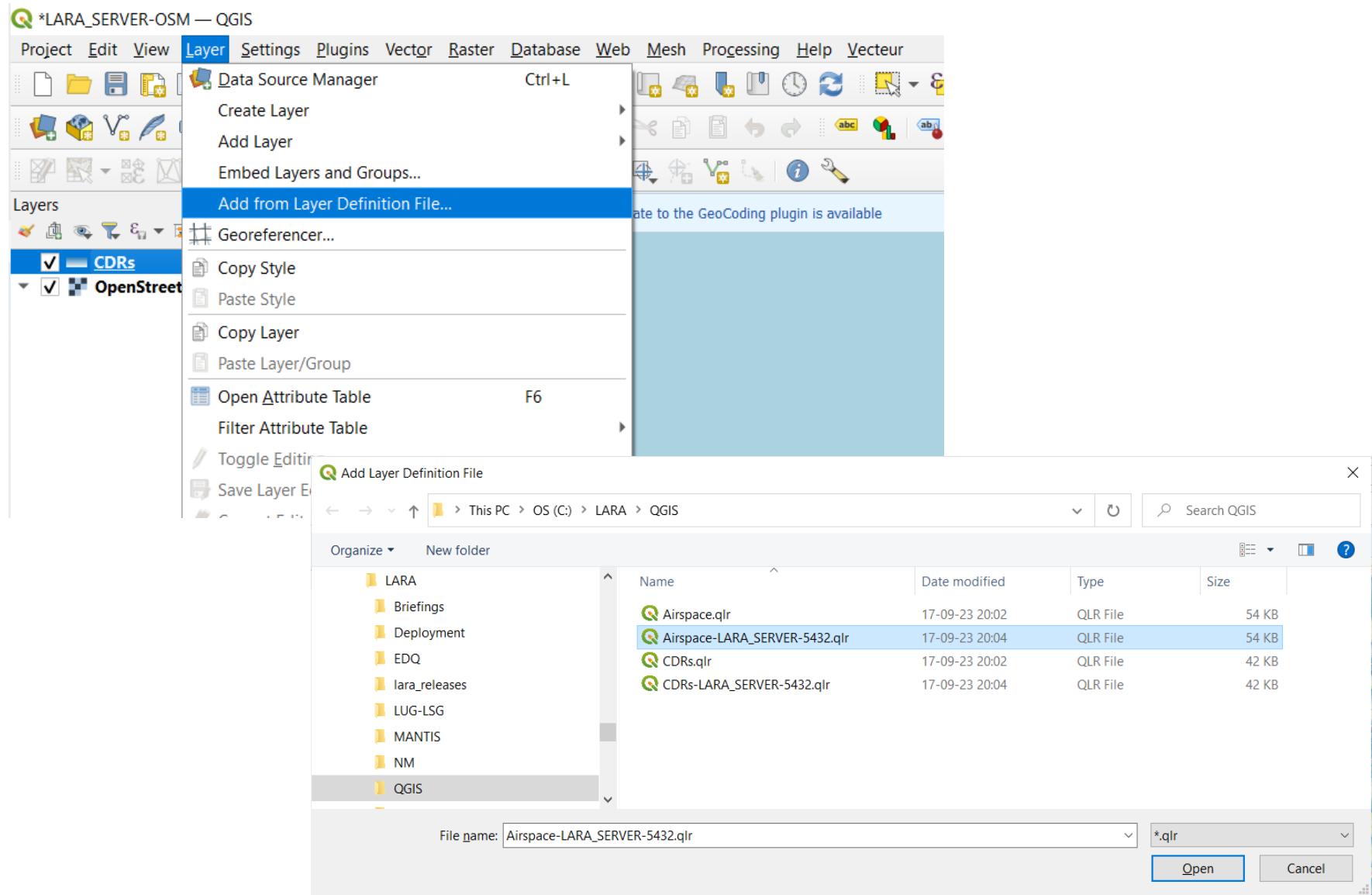
```

1 <!DOCTYPE qgis-layer-definition>
2 <qlr>
3   <layer-tree-group expanded="1" checked="Qt::Checked" groupLayer="" name="">
4     <customproperties>
5       <Option/>
6     </customproperties>
7     <layer-tree-layer legend_exp="" id="Airspace_e7034dc7_3e01_4597_946b_07461d3b3a7d" legend_split_behavior "0" expanded="1"
checked="Qt::Checked" patch_size="-1,-1" name="Airspace" providerKey="postgres" source="dbname='LARA_SERVER_Db14' host=localhost
port=5432 sslmode=disable key='uid' checkprimarykeyunicity=0 table="(SELECT row_number() over () AS _uid_,^ FROM
(&#xd;&#xa;SELECT&#xd;&#xa; abstractairspace.name,&#xd;&#xa; temporalarea.areatype,&#xd;&#xa; geographicalvolume.lower_level as
lbound,&#xd;&#xa; geographicalvolume.upper_level as hbound,&#xd;&#xa; st_astext(geographicalvolume.polygon) as
geometry&#xd;&#xa; FROM&#xd;&#xa; data.abstractairspace,&#xd;&#xa; data.geographicalvolume,&#xd;&#xa;
data.temporalairspace,&#xd;&#xa; data.temporalarea,&#xd;&#xa; data.temporalspace&#xd;&#xa;&#xd;&#xa; WHERE&#xd;&#xa;
geographicalvolume.area_dbid = temporalairspace.dbid AND&#xd;&#xa; temporalairspace.perpetual_dbid = abstractairspace.dbid
AND&#xd;&#xa; temporalairspace.dbid = temporalarea.dbid and&#xd;&#xa; temporalairspace.dbid = temporalspace.dbid
AND&#xd;&#xa; now() BETWEEN temporspace.lifetimestartdate AND temporspace.lifetimeenddate&#xd;&#xa;&#xd;&#xa; ORDER BY
&#x9;temporalarea.areatype, &#x9;abstractairspace.name&#xa;) AS _subq_1_&#xa;)quot; (geometry)">
8       <customproperties>
9         <Option type="Map">
10           <Option value="Airspace" name="cached_name" type="QString"/>
11           <Option value="1" name="overview" type="int"/>
12         </Option>
13       </customproperties>
14     </layer-tree-layer>
15   </layer-tree-group>
16 <maplayers>
17   <maplayer autoRefreshEnabled="0" symbologyReferenceScale="-1" minScale="100000000" simplifyLocal="1" geometry="Polygon"
refreshOnNotifyMessage="" legendPlaceholderImage="" refreshOnNotifyEnabled="0" simplifyDrawingTol="1" simplifyAlgorithm="0"
styleCategories="AllStyleCategories" autoRefreshTime="0" simplifyMaxScale="1" maxScale="0" wkbType="Polygon" simplifyDrawingHints="1"
hasScaleBasedVisibilityFlag="0" readOnly="0" type="vector" labelsEnabled="1">
18     <extent>
19       <xmin>-40</xmin>
20       <ymin>37.47916666666669983</ymin>
21       <xmax>9.74944444444408</xmax>
22       <ymax>51.0527777777779846</ymax>
23     </extent>
24   <wgs84extent>

```

Warning: 2 locations for data source

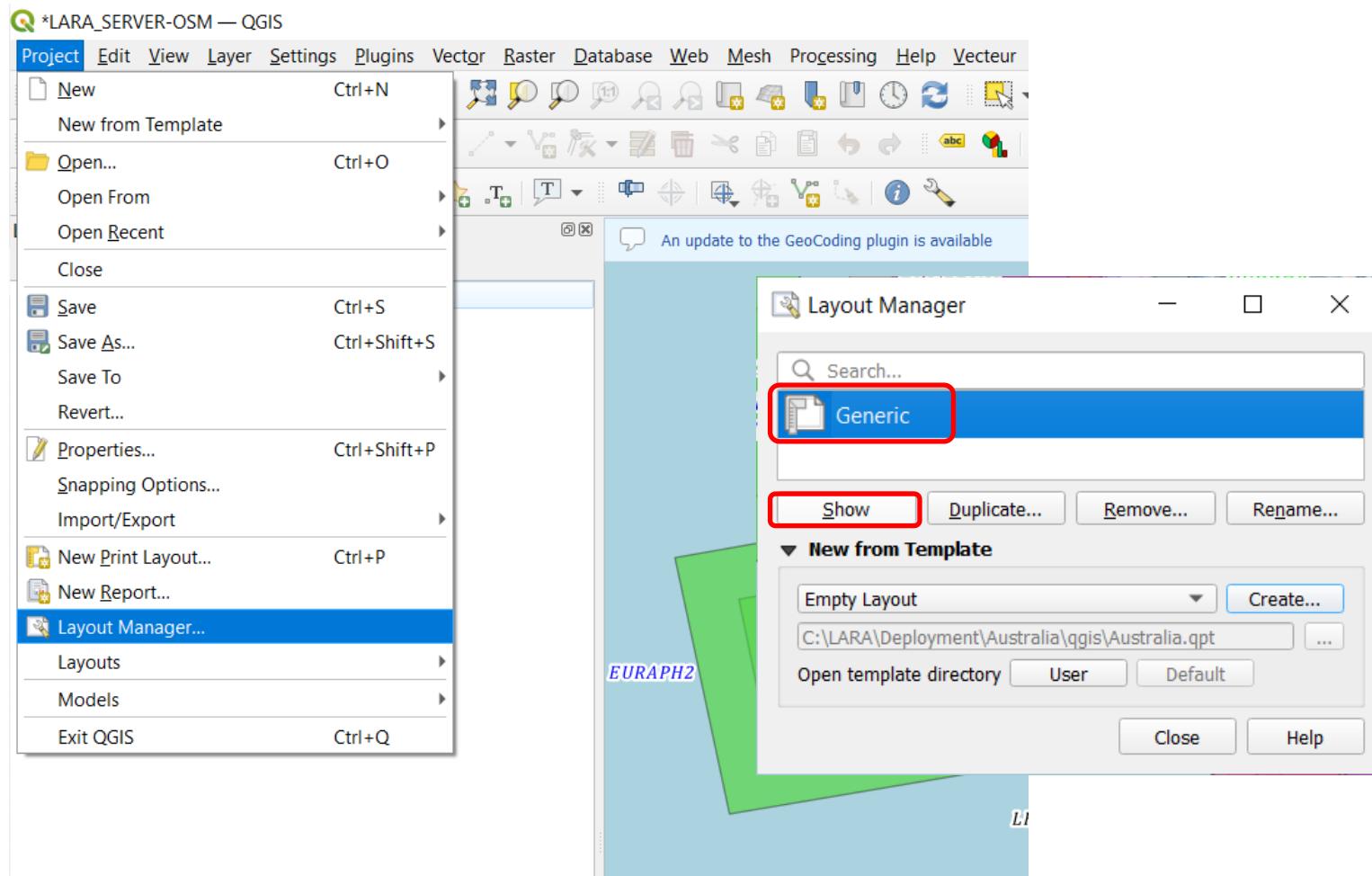
6) Add Airspace layer





7) Re-order layers stack (OSM at bottom)

8) Show pre-defined Layout





9) Select Map1 item

*Generic

Layout Edit View Items Add Item Atlas Settings

1 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

Legend

LARA Server - generic dataset

Scale: 1/8500000
CRS Name: Google Maps Global Mercator
Created: 18/09/2023
Author: Eurocontrol CMC/AIO
Credits: Eurocontrol, Base map from OpenStreetMap

0 100 200 300 400 NM

Item Properties

Map 1

Main Properties

- Scale: 8500000
- Map rotation: 0.00 °
- CRS: EPSG:900913 - Google
- Draw map canvas items

Layers

- Follow map theme (none)
- Lock layers
- Lock styles for layers

Extents

- X min: -1119118.814
- Y min: 5350831.490
- X max: 870816.188
- Y max: 6627333.203

Temporal Range

Controlled by Atlas

Grids

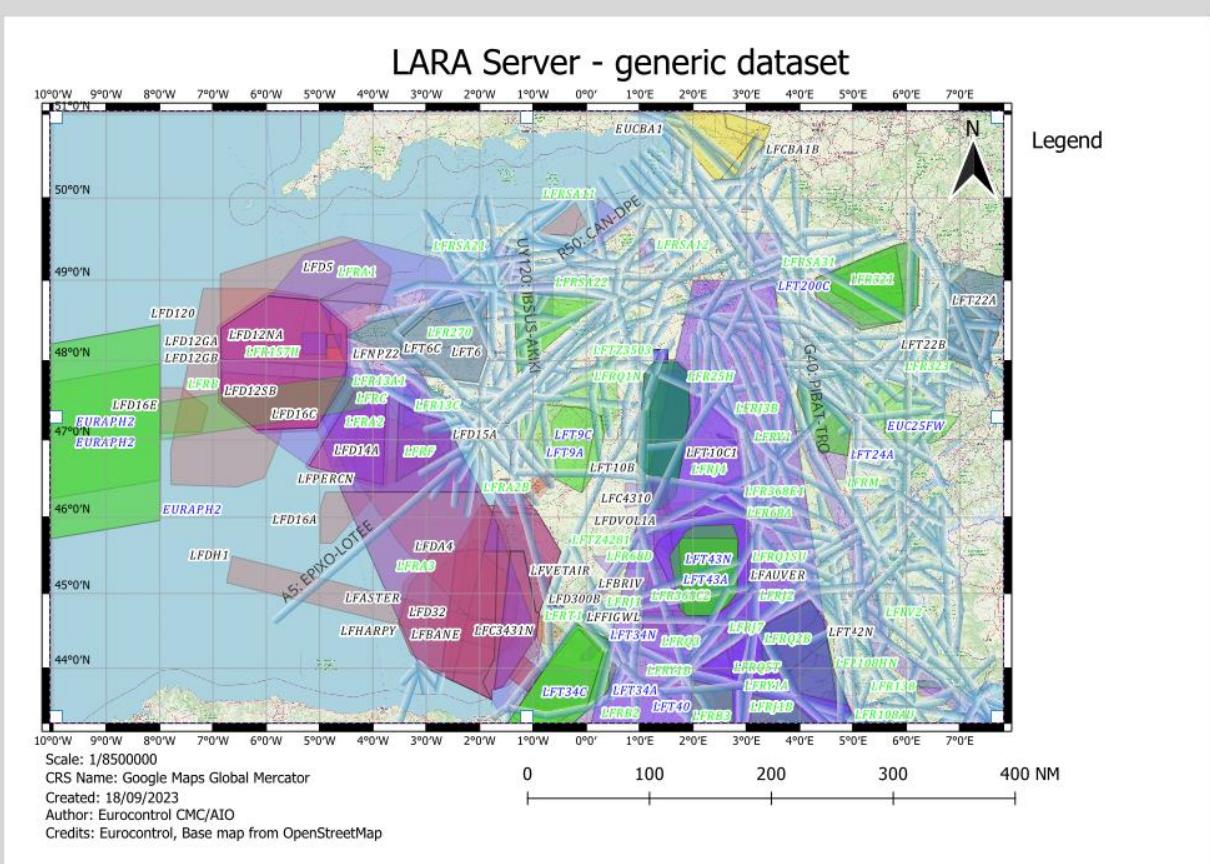
Overviews

Position and Size

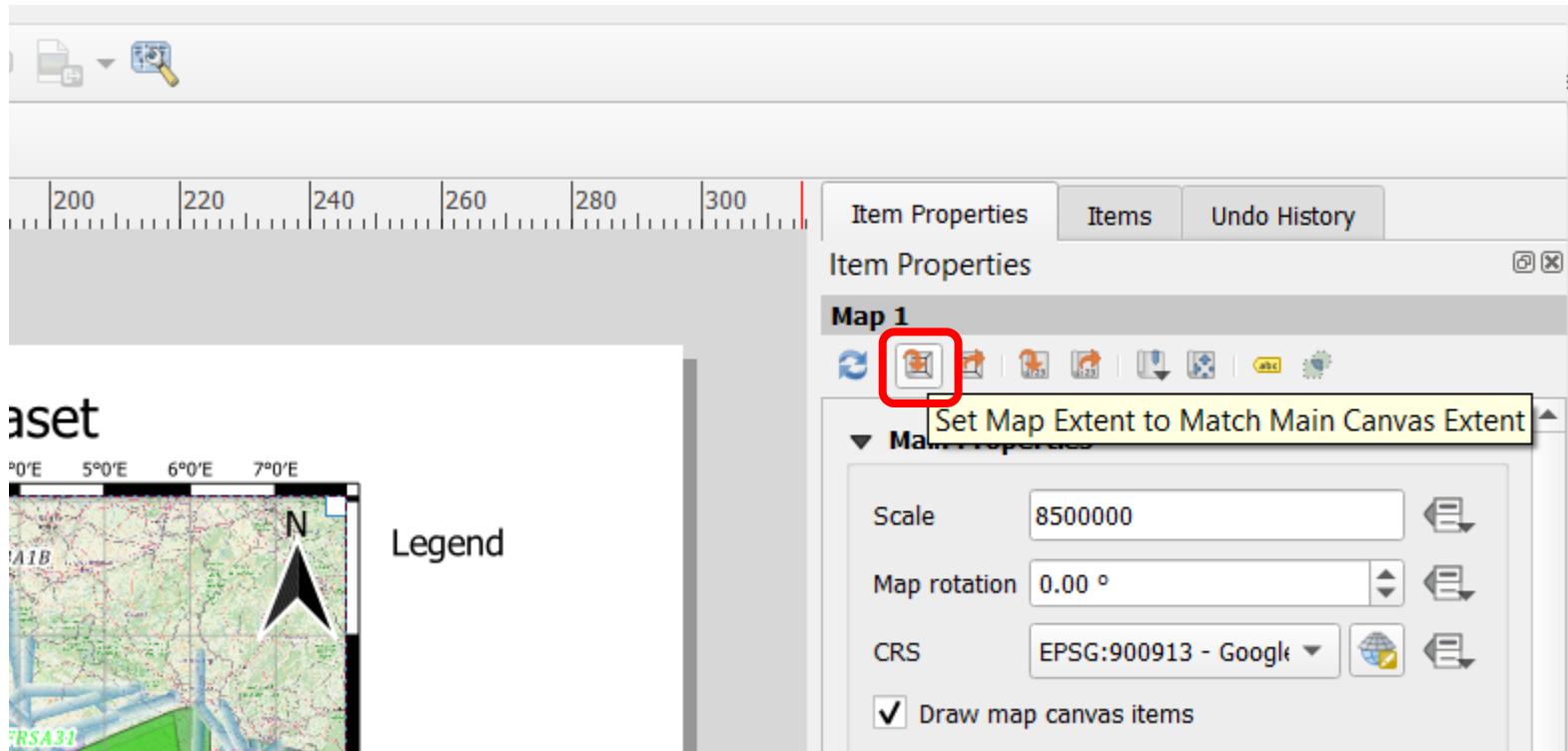
Rotation

Frame

x: 310.813 mm y: 59.4652 mm page: 1 57.1%



10) Adapt Layout view on Project view



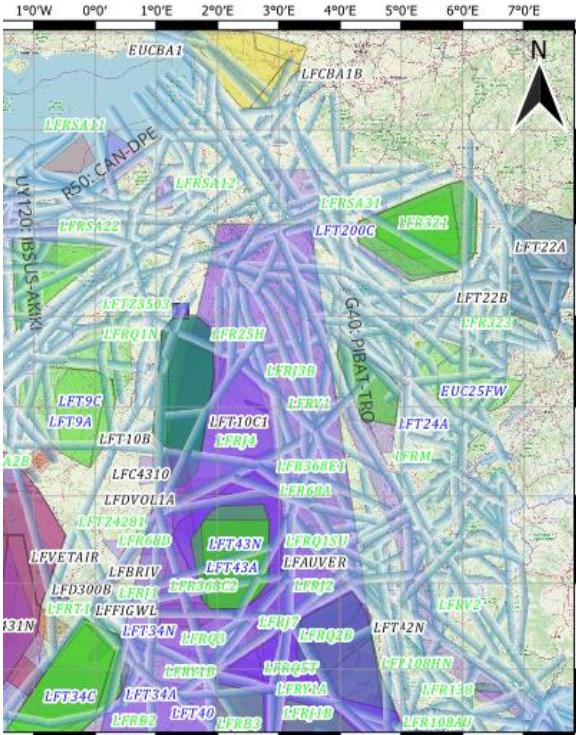
11) Review proposed Items properties

Items Properties Items Undo History

Items

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Item
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T Author: Eurocontrol CMC/A...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T Created: [% format_date(n...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T Credits: [% array_to_stri...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T LARA Server - generic dat...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	North Arrow
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<Scalebar>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T CRS Name: [% item_variabl...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	T Scale: [% '1/' round(m...
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Map 1
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Legend

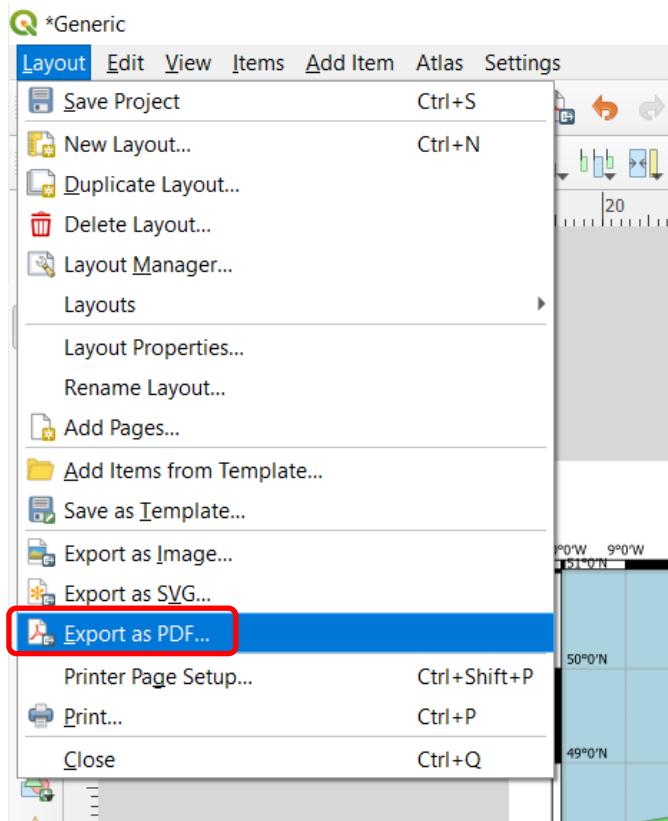
server - generic dataset



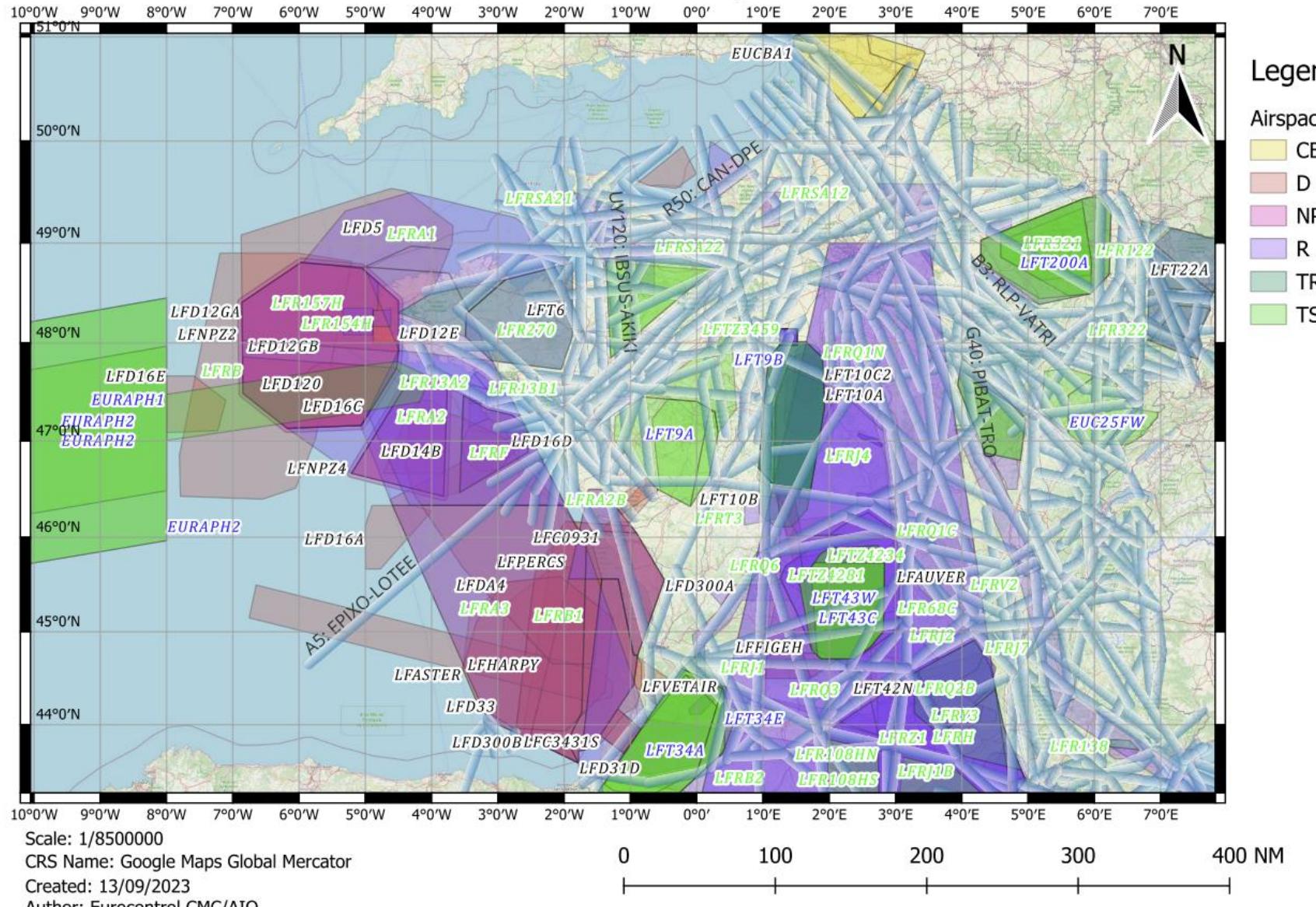
Legend

Scalebar

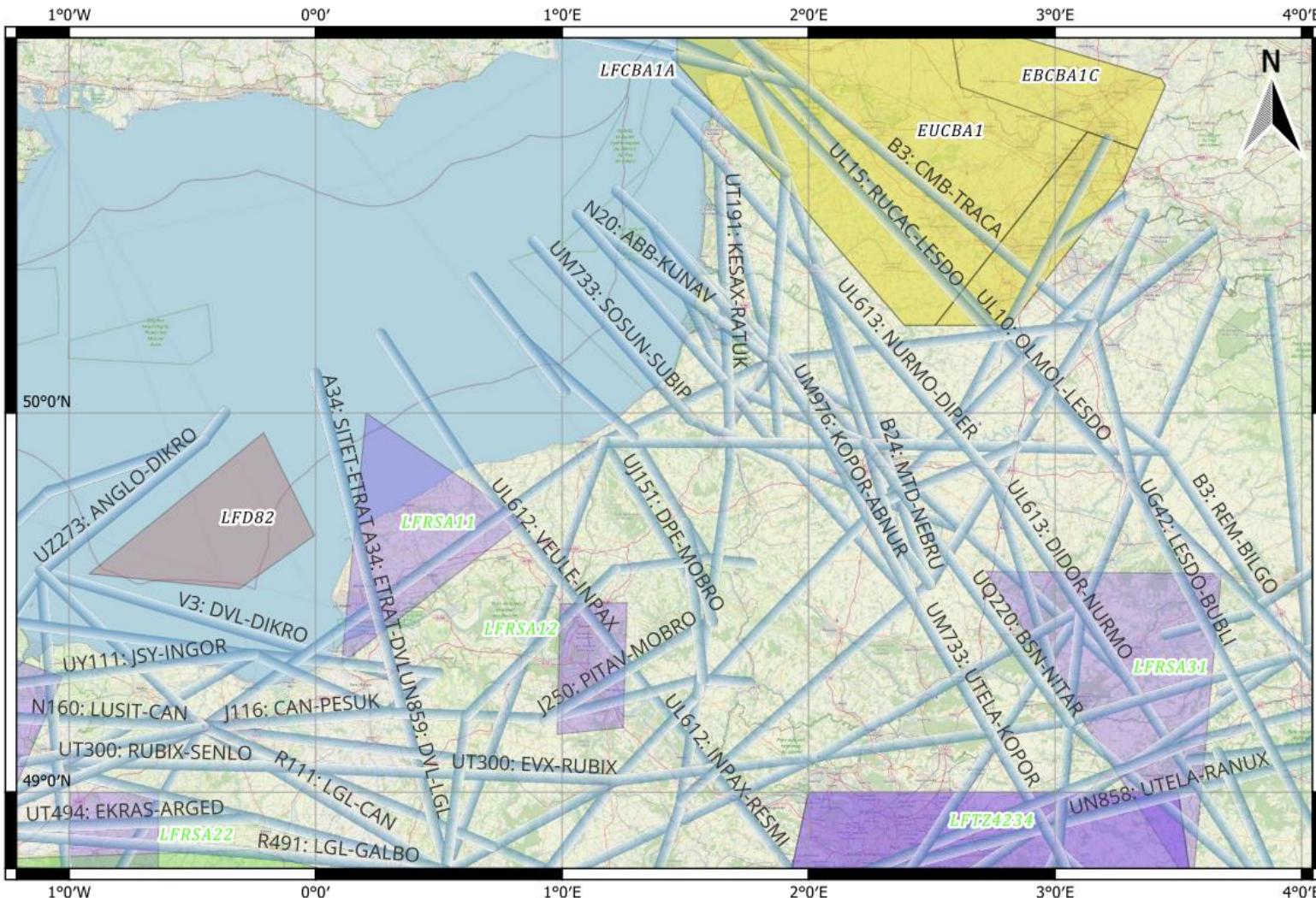
12) Export e.g. as PDF



LARA Server - generic dataset



LARA Server - generic dataset



Scale: 1/2500000

CRS Name: Google Maps Global Mercator

Created: 13/09/2023

Author: Eurocontrol CMC/AIO

Credits: Eurocontrol, Base map from OpenStreetMap

0 30 60 90 120 NM

13) ... and much more...

Google qgis layout tutorials x |   

Vidéos Images Maps Actualités Livres Vols Finance

Environ 531000 résultats (0,35 secondes)

 QGIS Tutorials and Tips
<https://www.qgistutorials.com/docs> :

Making a Map
QGIS has a powerful tool called **Print Composer** that allows you to take your **GIS** layers and package them to create maps. Overview of the task. The tutorial ...

 QGIS Tutorials and Tips
<https://www.qgistutorials.com/docs> :

Making a Map (QGIS3)
QGIS has a powerful tool called **Print Layout** that allows you to take your **GIS** layers and package them to create maps. Overview of the task. The tutorial shows ...

 QGIS
<https://docs.qgis.org/docs/map...> :

5.1. Lesson: Using Print Layout
5 juin 2020 — 5.1.1. basic Follow Along: The **Layout Manager**. Click on the Project ▾ **Layout Manager** menu entry to open this tool. You'll see a blank **Layout** ...

 YouTube
<https://www.youtube.com/watch...> :

How to Create Map Layout in QGIS - Explained - YouTube
Study area **Map** using **QGIS** | Study Area Location **Map Preparation** | **QGIS** for beginners - **Tutorials** | ... **Map Layout** **GIS** **tutorial** using **QGIS**...

YouTube · Terra Spatial · 3 sept. 2018