

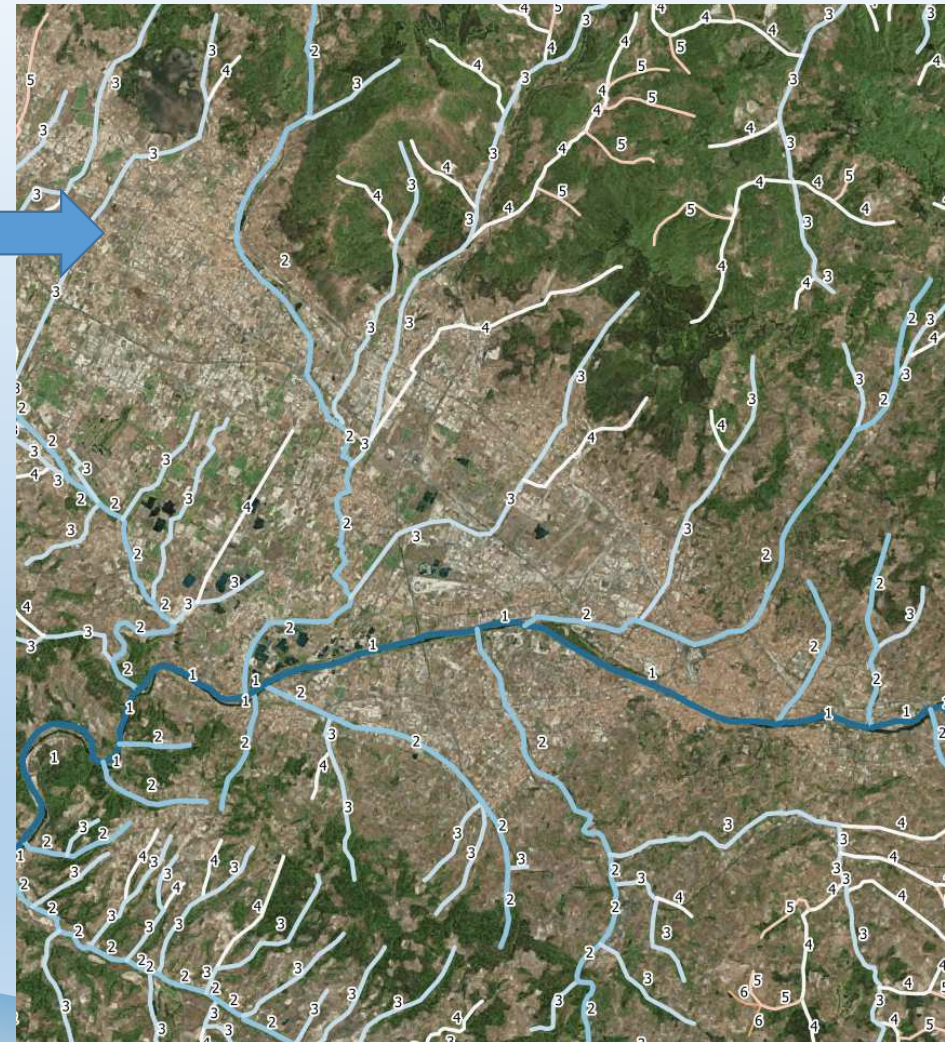
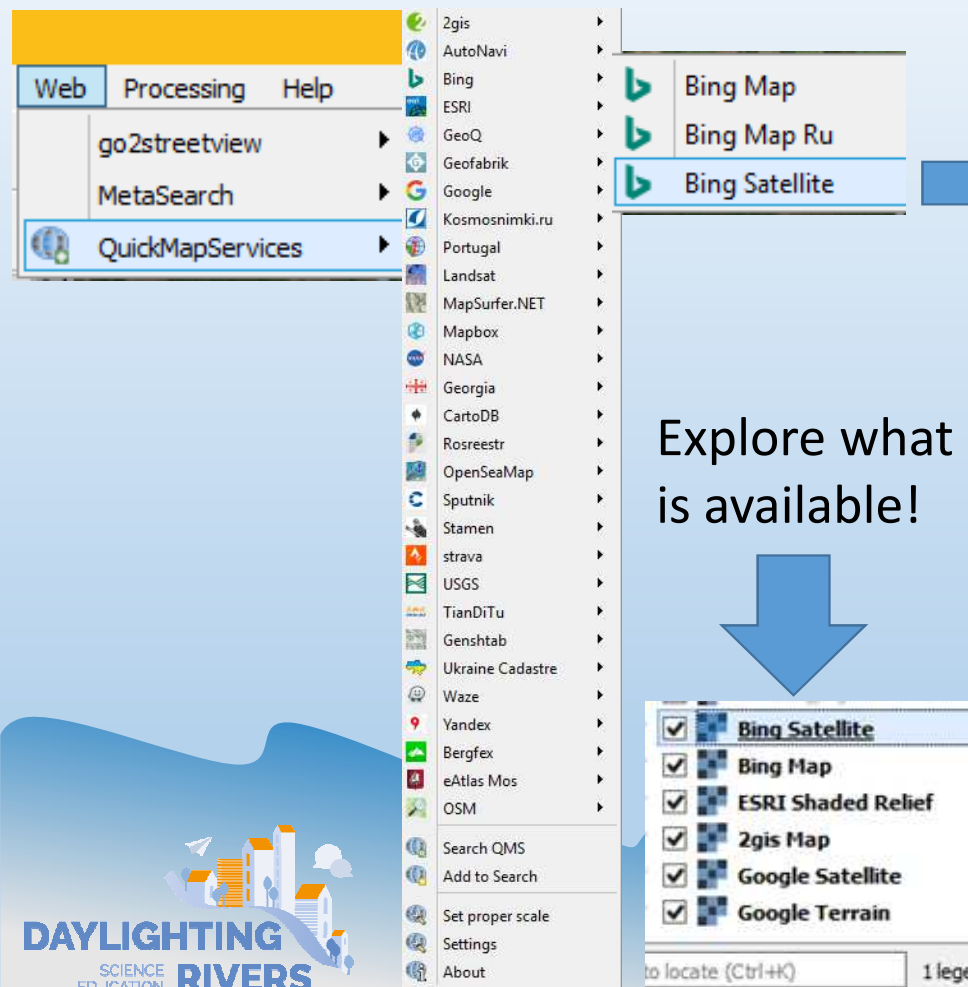
An Introduction to GIS Fundamentals

PART 6. WEB TOOLS



Where are we? Add a reference map **Quick Map Service**

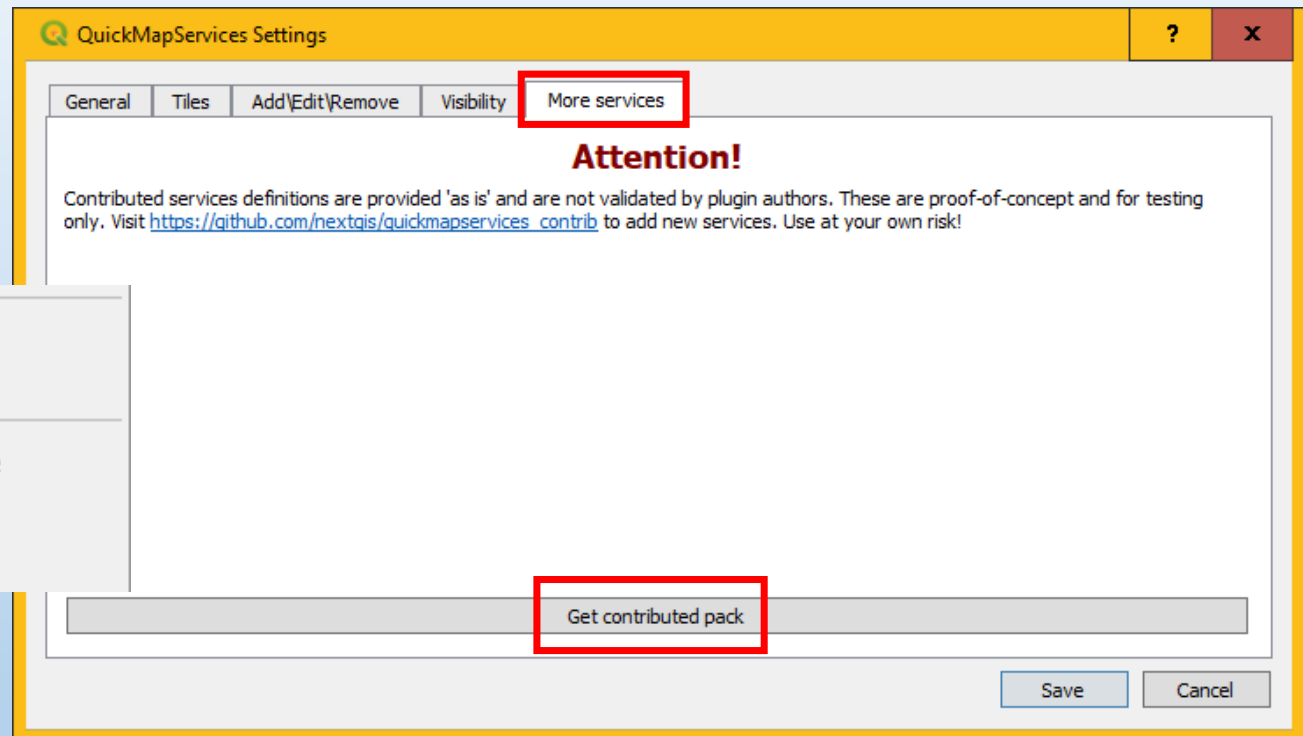
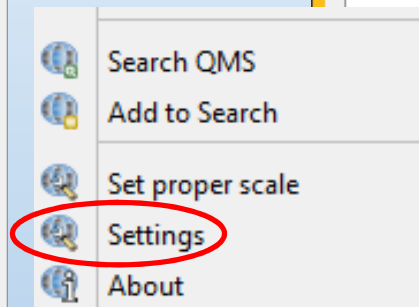
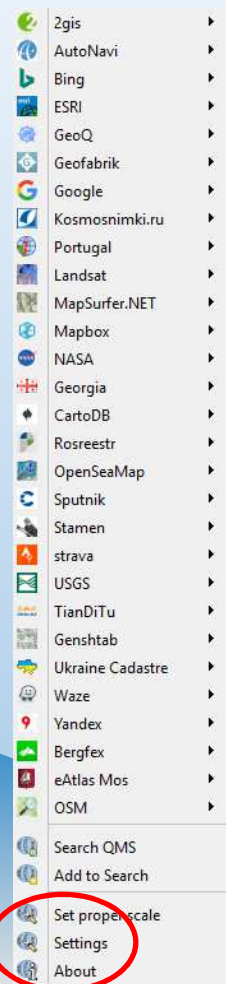
Install the plugin «QuickMapServices»



Training event (C1) of Daylighting rivers Florence Oct. 1st – 5th 2018

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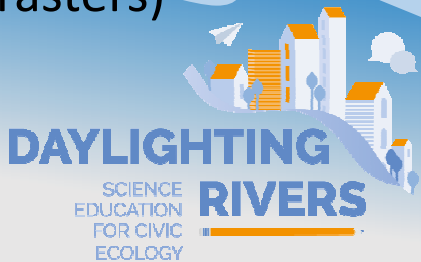


How to connect to Web Map Services **WMS & C.**

WMS (Web **Map** Service), **WFS** (Web **Feature** Service), and **WCS** (Web **Coverage** Service) are three web service standards from the Open Geospatial Consortium (OGC). These allow web clients to query and receive geographic information in the form of image, vector, or coverage data.

WMS is probably the best known of these three standards due to its widespread use by map servers to deliver map images. These images are typically in the form of **raster tiles** (PNG, GIF, or JPG), but they can also be in a **vector format** such as SVB or WebCGM. Requests are made using a standard web URL.

QGIS is basically a client for viewing and manipulating data with some geospatial aim. Data can come in a whole variety of formats. One way of getting data is through web services, such as WMS for georectified images, WFS for vector data, and WCS for coverages (often but not always rasters)



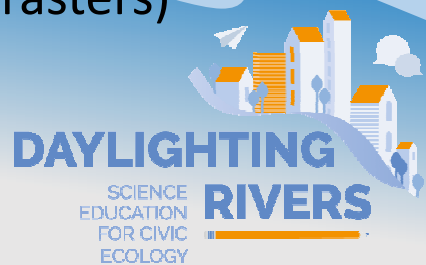
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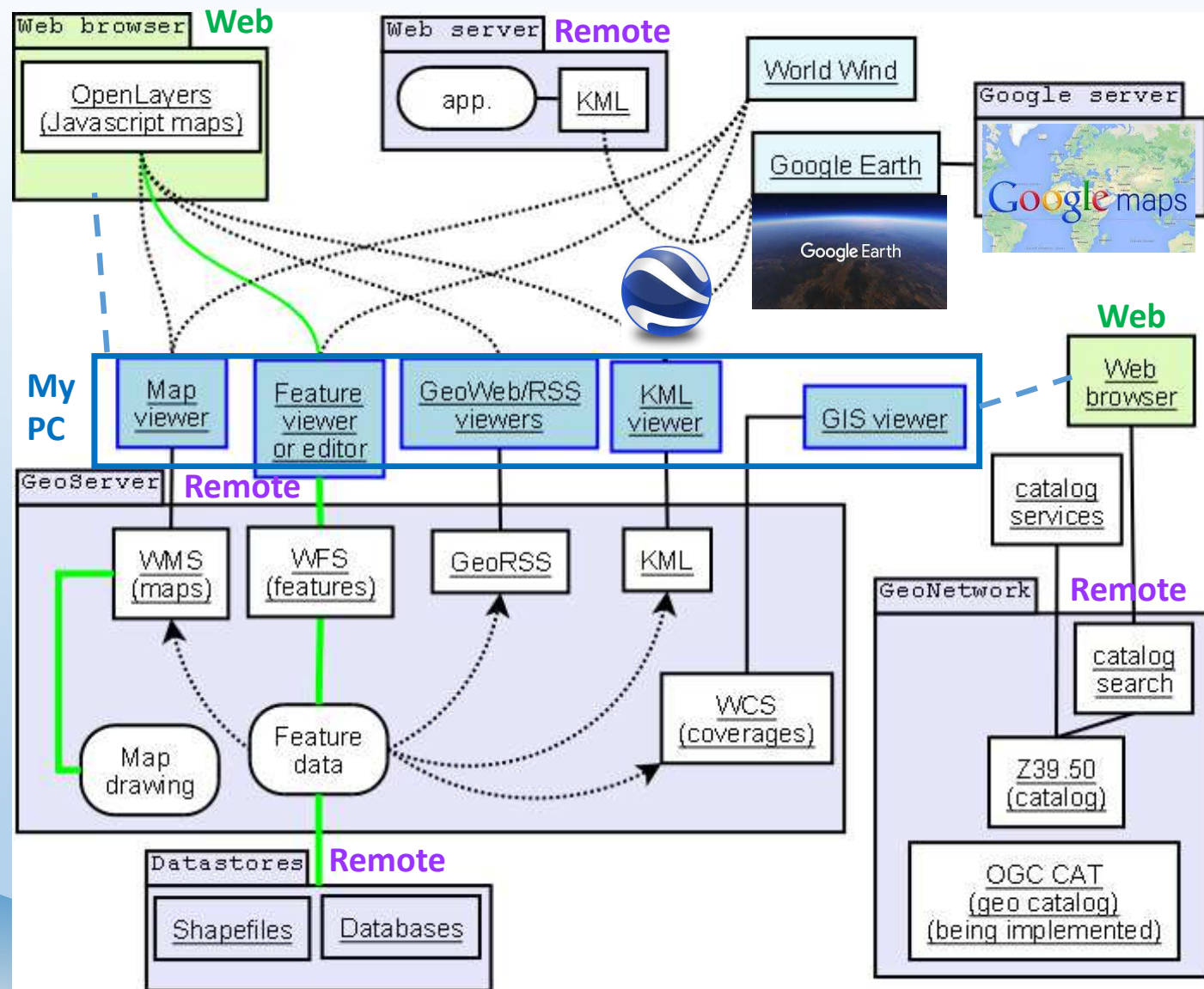
Web Map Services

WMS

WFS

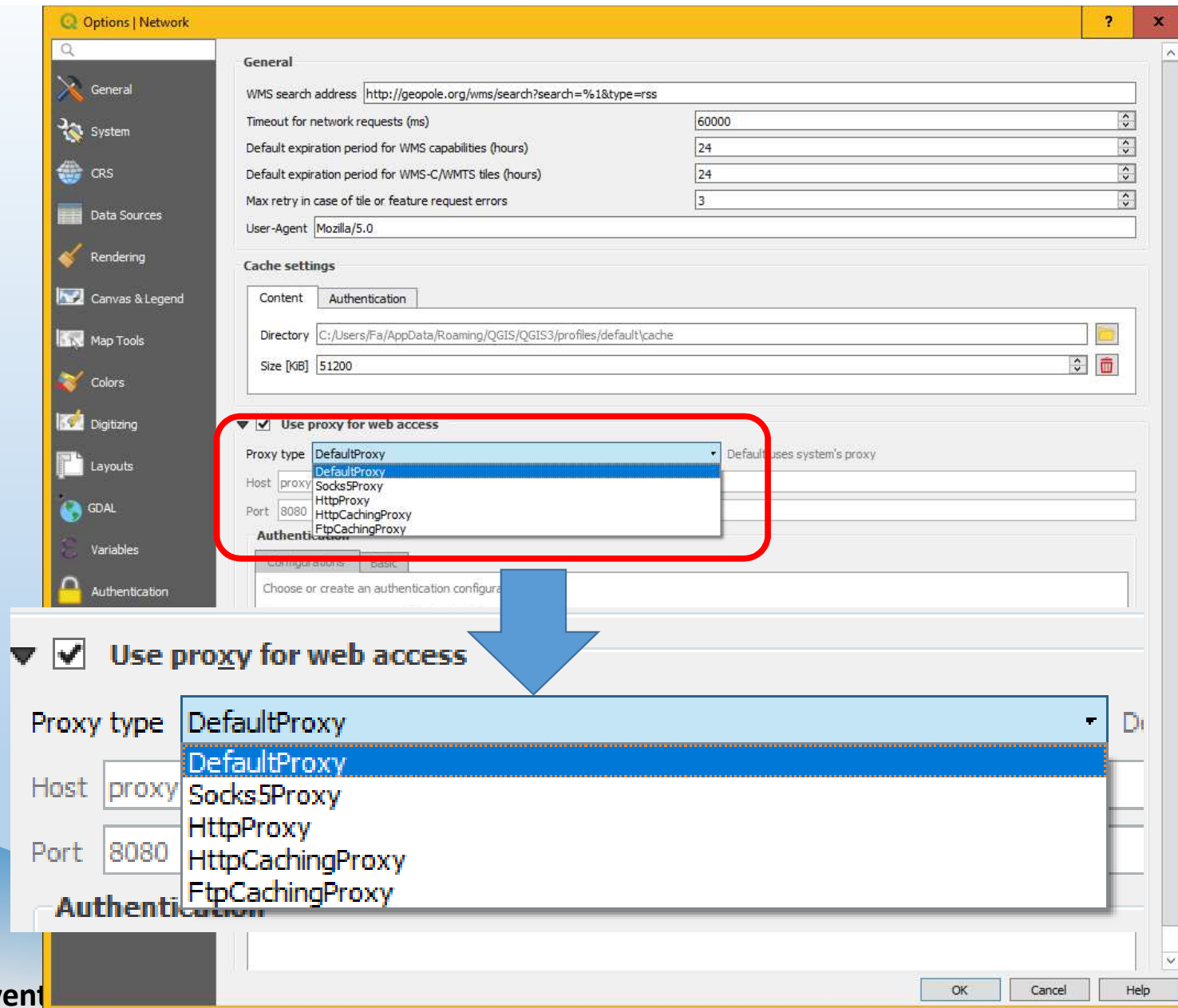
WCS

KML (Google Earth)



Web Map Services – Settings for network access

- ✓ 1. Use proxy for web access
- ✓ 2. Check requirements of remote server!

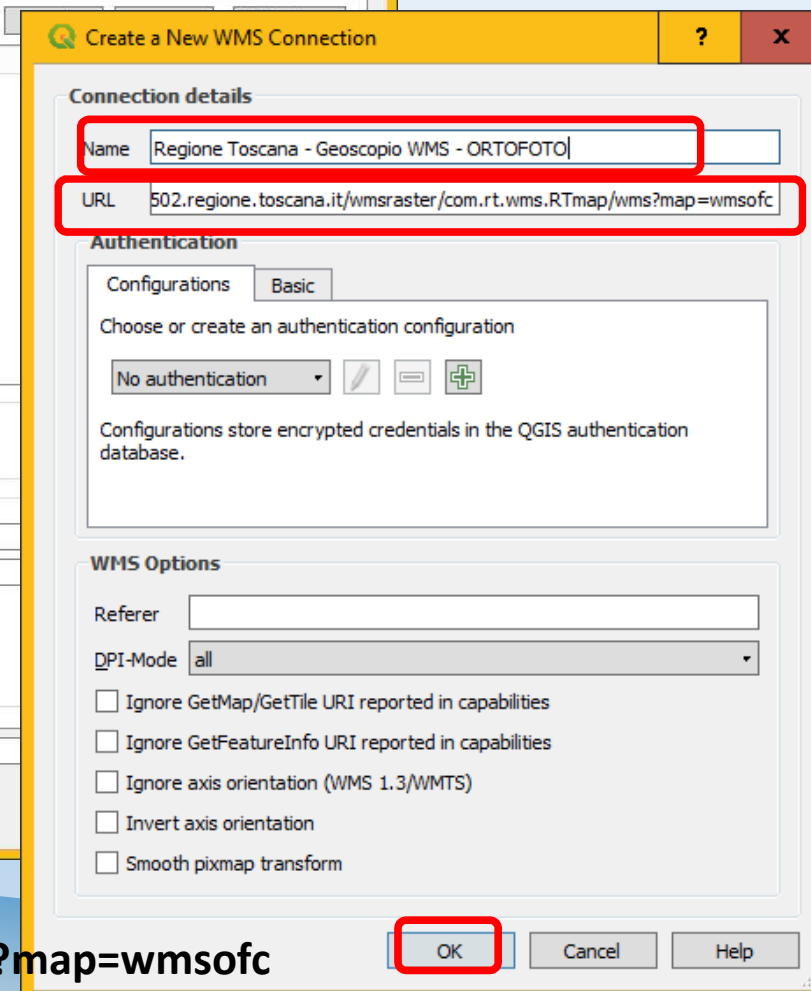
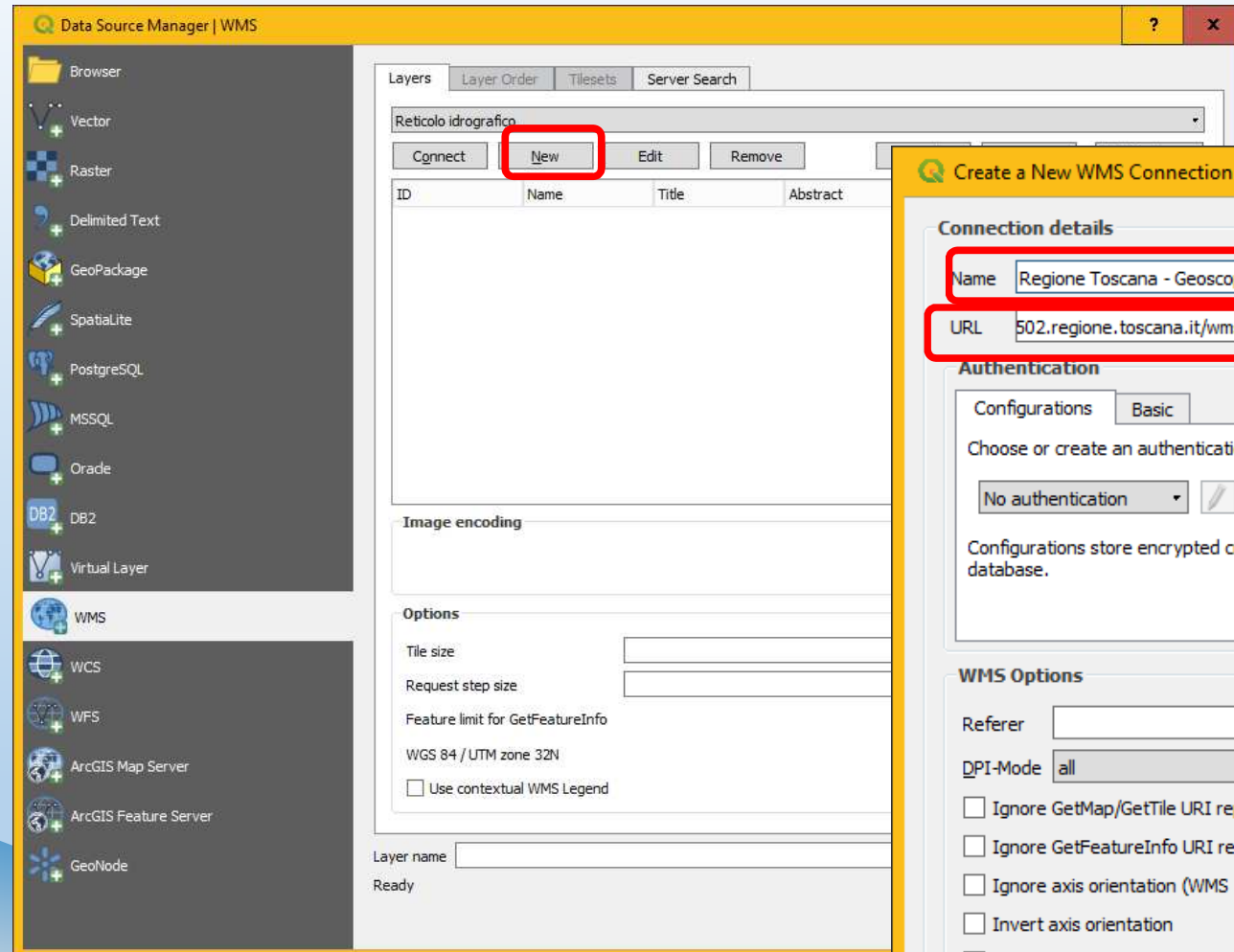


Training event

How to connect to a Web Map Service WMS & C.



WMS
WFS
WCS



<http://www.regione.toscana.it/-/geoscopio-wms>

<http://www502.regione.toscana.it/wmsraster/com.rt.wms.RTmap/wms?map=wmsofc>

How to connect to a Web Map Service WMS & C.



WMS
WFS
WCS

Data Source Manager | WMS

Layers Layer Order Tilesets Server Search

Regione Toscana - Geoscopio WMS - ORTOFOTO

Connect New Edit Remove Load Save Add default servers

ID	Name	Title	Abstract
> 1	rt_ofc.10k54	OFC 1954 (volo ...	OFC 1954 10K propr. IGM-RT esec. volo Gruppo Aereo Italiano. Scala di visibilit� 1:1 - 1:5.000.000. Dett...
> 5	rt_ofc.10k63	OFC 1963	OFC 1963 10K propr. IGM-RT esec. volo Istituto Geografico Militare. Scala di visibilit� 1:1 - 1:128.000. De...
> 7	rt_ofc.10k63.qu	OFC 1963 Quadr...	Quadro di unione per sezioni del territorio coperto
> 9	rt_ofc.10k65	OFC 1965	OFC 1965 10K propr. IGM-RT esec. volo Istituto Geografico Militare. Scala di visibilit� 1:1 - 1:128.000. De...
> 11	rt_ofc.10k65.qu	OFC 1965 Quadr...	Quadro di unione per sezioni del territorio coperto
> 13	rt_ofc.10k68	OFC 1968	OFC 1968 10K propr. IGM-RT esec. volo Istituto Geografico Militare. Scala di visibilit� 1:1 - 1:128.000. De...
> 15	rt_ofc.10k68.qu	OFC 1968 Quadr...	Quadro di unione per sezioni del territorio coperto
> 17	rt_ofc.10k78	OFC 1978	OFC 1978 10K propr. RT esec. volo Rossi Brescia. Scala di visibilit� 1:1 - 1:5.000.000. Dettaglio 1:10000...
> 19	rt_ofc.10k78.qu	OFC 1978 Quadr...	Quadro di unione per sezioni del territorio coperto
> 21	rt_ofc.10k88	OFC 1988	OFC 1988 10K propr. RT esec. volo CGR Parma. Scala di visibilit� 1:1 - 1:5.000.000. Dettaglio 1:10000. C...
> 23	rt_ofc.10k88.qu	OFC 1988 Quadr...	Quadro di unione per sezioni del territorio coperto
> 25	rt_ofc.10k96	OFC 1996	OFC 1996 10K propr. (AIMA) AGEA esec. volo C.G.R. Parma. Scala di visibilit� 1:1 - 1:5.000.000. Dettagli...
> 27	rt_ofc.10k96.qu	OFC 1996 Quadr...	Quadro di unione per sezioni del territorio coperto
> 29	rt_ofc.10k99	OFC 1999	OFC 1999 10K propr. AGEA esec. volo. Scala di visibilit� 1:1 - 1:5.000.000. Dettaglio 1:10000. Copertura...

Image encoding
☒ PNG ☐ PNG8 ☐ JPEG ☐ TIFF ☐ SVG

Coordinate Reference System (10 available)

Tile size

Request step size

Feature limit for GetFeatureInfo

WGS 84 / UTM zone 32N

☐ Use contextual WMS Legend

Layer name OFC 1954 (volo GAI)

1 Layer(s) selected

How to connect to a Web Map Service WMS & C.

New raster layer
(.png)

