ASOR Cultural Heritage Initiative

QGIS

Module 02.14: Importing KoboToolbox Data

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ASOR QGIS Module 02.14 – Importing KoboToolbox Data

QGIS is a free and open source Geographic Information System (GIS), or geodatabase, licensed under the GNU General Public License. QGIS runs on Linux, Unix, Mac OSX, Windows and Android and supports numerous vector, raster, and database formats and functionalities. Download QGIS here: https://qgis.org/.

QGIS users can view, edit, and analyze spatial information through its free software toolkit.

This **ASOR Tutorial (02.14)** demonstrates how to import CSV and XLS data from KoboToolbox into QGIS

KEY CONCEPTS

- QGIS and KoboToolbox Integration – KoboToolbox survey data can be imported into QGIS for spatial analysis, using exported CSV or XLS files
- Importing CSV Files – Use Layer > Add Layer > Add Delimited Text Layer (not Create Layer), select the file, and set Custom Delimiters to semi-colons before adding it to the Layers Panel.
- Importing XLS Files – Convert the XLS file to CSV format first, then follow the same process of adding a delimited text layer, selecting CSV (comma-separated values) to successfully import it.
- Layer Visualization – Once imported, Kobo data appears as a new point layer in the Layers Panel, which can be viewed alongside or separately from basemaps like OpenStreetMap, with customizable styles and colors.

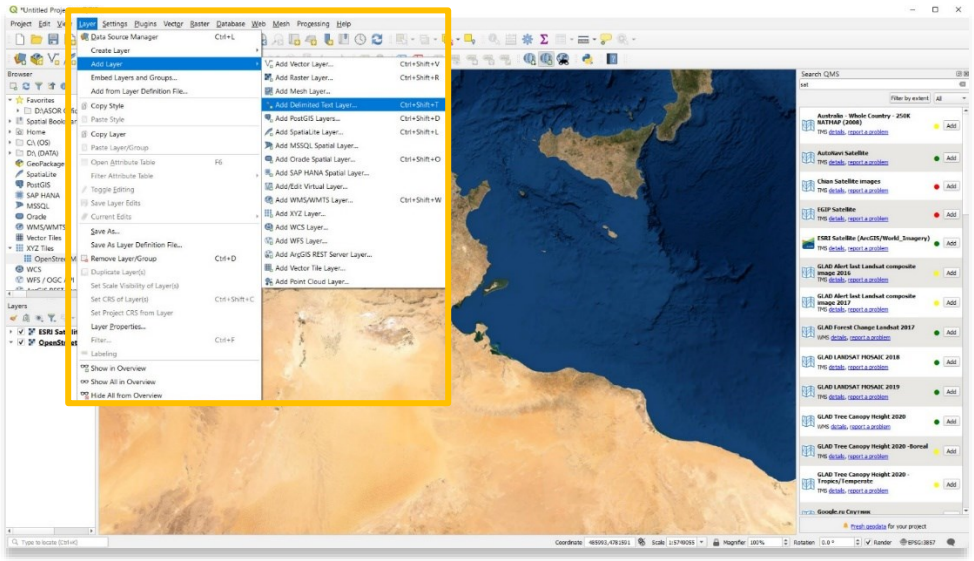
IMPORT CSV FILE

Recall from ASOR Tutorial 01.10 (Exporting Data from a KoboToolBox Project) that a CSV file is separated by semi-colons.

Locate the CSV file exported from your KoboToolbox project. See **ASOR Tutorial 01.10 (Exporting Data from a KoboToolBox Project)** for steps to export this data.

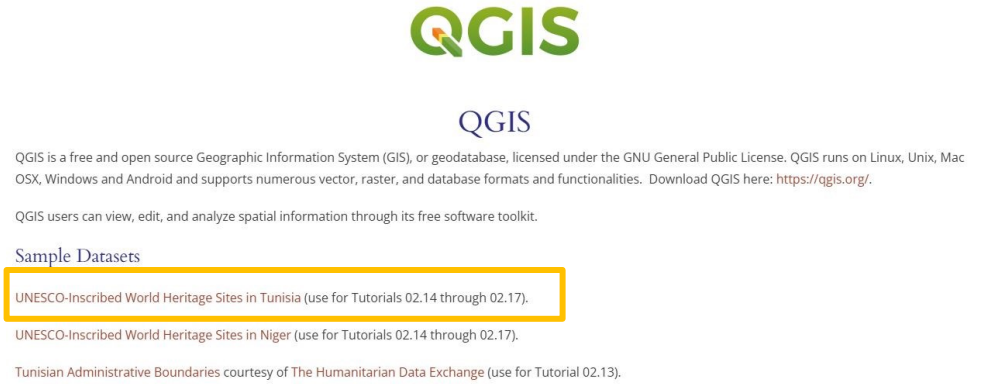
In the top menu bar, select Layer. Then select Add Layer > Add Delimited Text Layer.

* Do not select **Create Layer**. CSV files will only upload through **Add Layer**.



You may also use sample data from ASOR's tutorial webpage: https://www.asor.org/chi/chi-tutorials.

Download the UNESCO-Inscribed World Heritage Sites in Tunisia CSV file.



QGIS

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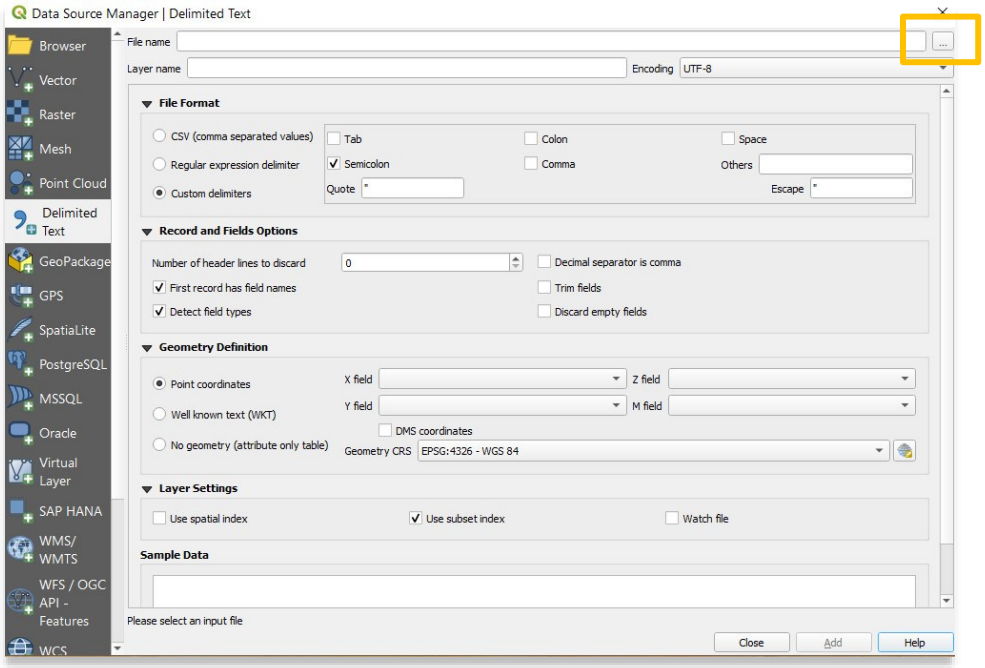
Sample Datasets

UNESCO-Inscribed World Heritage Sites in Tunisia (use for Tutorials 02.14 through 02.17).

UNESCO-Inscribed World Heritage Sites in Niger (use for Tutorials 02.14 through 02.17).

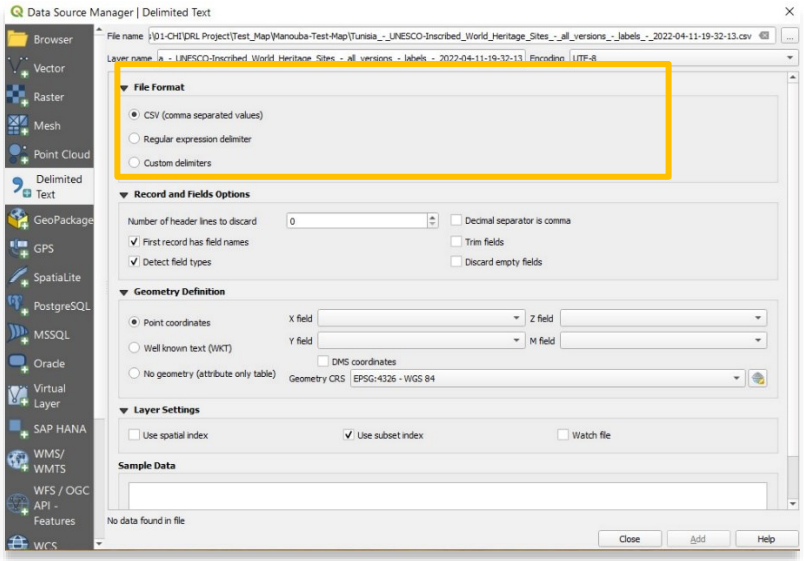
Tunisian Administrative Boundaries courtesy of The Humanitarian Data Exchange (use for Tutorial 02.13).

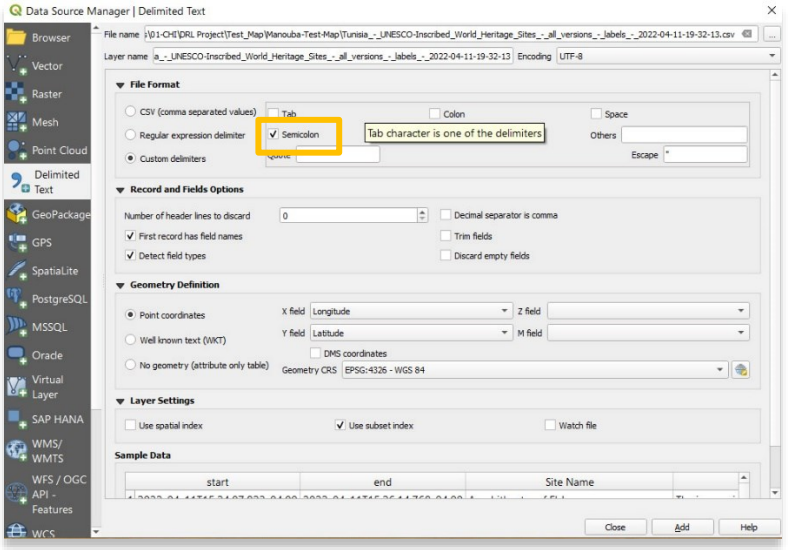
In the pop-up, select the button with three dots (...) to find your csv file on your computer. Once located, select the csv file and press Open.



Under File Format, the ability to assign spatial information (X & Y fields) and to add the CSV file to the project is unavailable.

In order to add Kobo data, we need to select Custom Delimiters > Semi-colons.

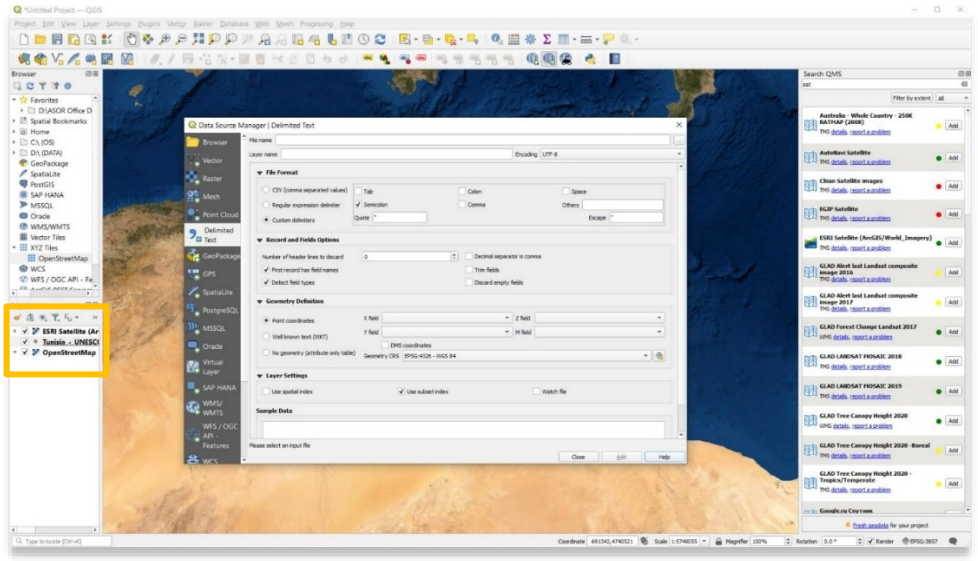




Select Add. Your new point (csv) layer will now appear in the Layers Panel located in the bottom left of your project.

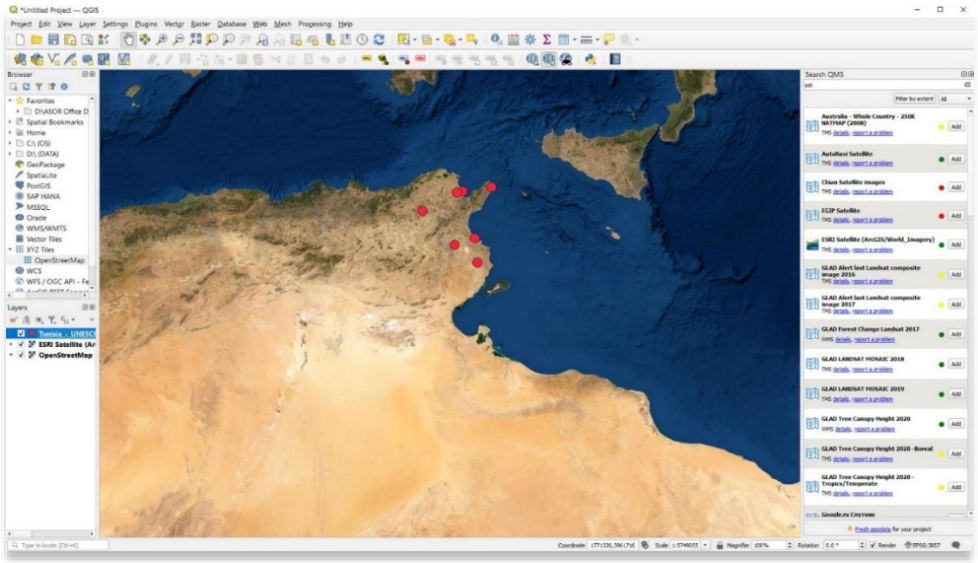
This means that you have successfully added the csv file to your QGIS project.

You can close the Data Source Manager pop-up to view your data.

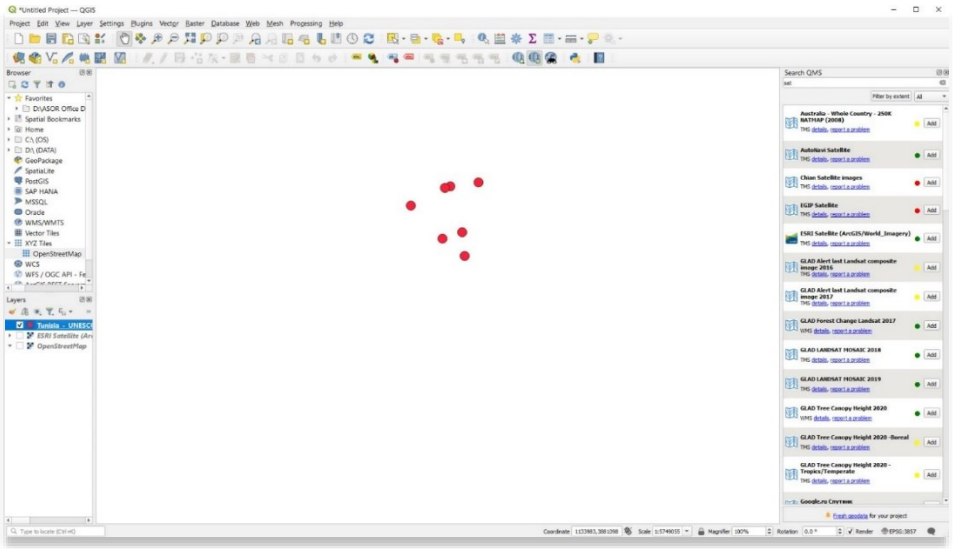


Below is a view of the QGIS project with both the KoboToolBox layer and the OpenStreetMap basemaps set to visible.

Please note that the colors and styles for each layer in your project are likely different than the ones shown here.



Here is the view when the OpenStreetMap layers have been unchecked and are no longer visible, leaving only the KoboToolBox data visible.



IMPORT XLS FILE

Recall from **ASOR Tutorial 01.10 (Exporting Data from a KoboToolBox Project)** that a CSV file is separated by columns and rows.

start	end	Site_Nam	Descriptio	Longitude	Latitude	Date_of_I	Criterion
2022-04-1	2022-09-0	Amphithe	The impre	10.70694	35.29639	1979	iv vi
2022-04-1	2022-09-0	Archaeolo	Carthage \	10.32333	36.85278	1979	ii iii vi
2022-04-1	2022-09-0	Dougga / T	Before the	9.22028	36.42361	1997	ii iii
2022-04-1	2022-09-0	Kairouan	Founded i	10.10389	35.68167	1988	i ii iii v vi
2022-04-1	2022-09-0	Medina of	Sousse wa	10.63861	35.82778	1988	iii iv v
2022-04-1	2022-09-0	Medina of	Under the	10.16667	36.81667	1979	ii iii v
2022-04-1	2022-09-0	Punic Tow	This Phoer	11.09917	36.94639	1985	iii

Open the XLS file and “Save as” a CSV.

Locate the XLS file exported from your KoboToolbox project. See **ASOR Tutorial 01.10 (Exporting Data from a KoboToolBox Project)** for steps to export this data.

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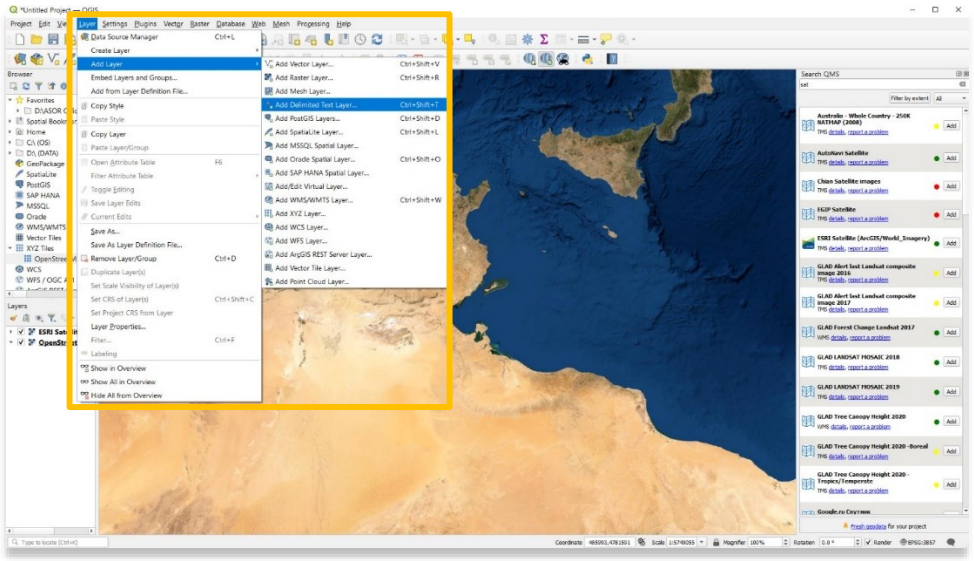

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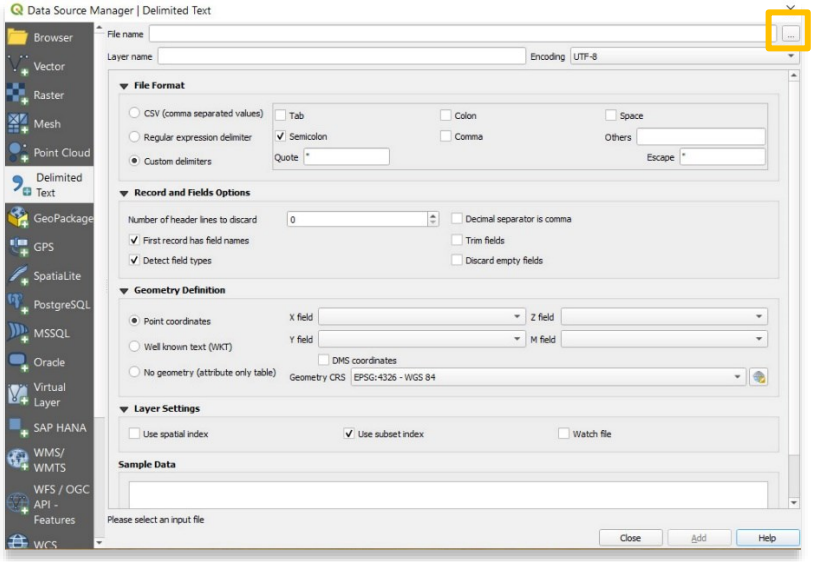

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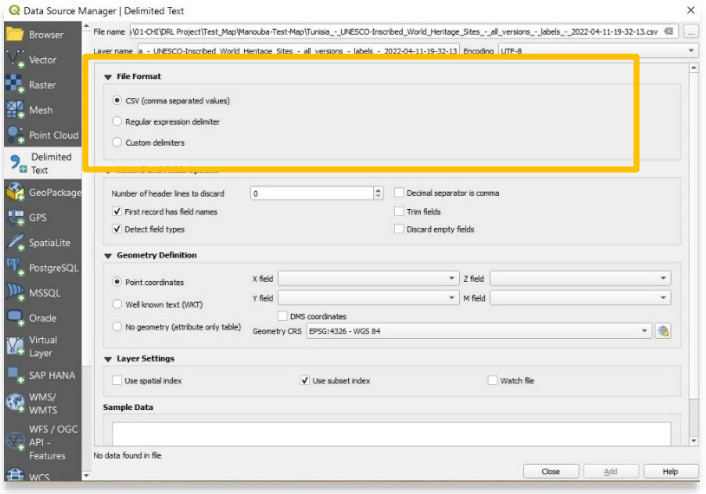

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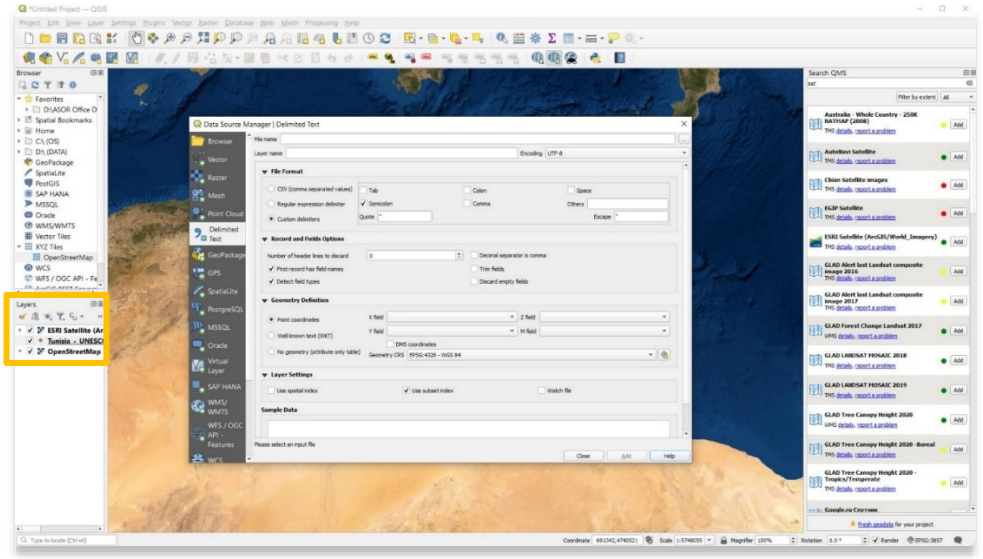

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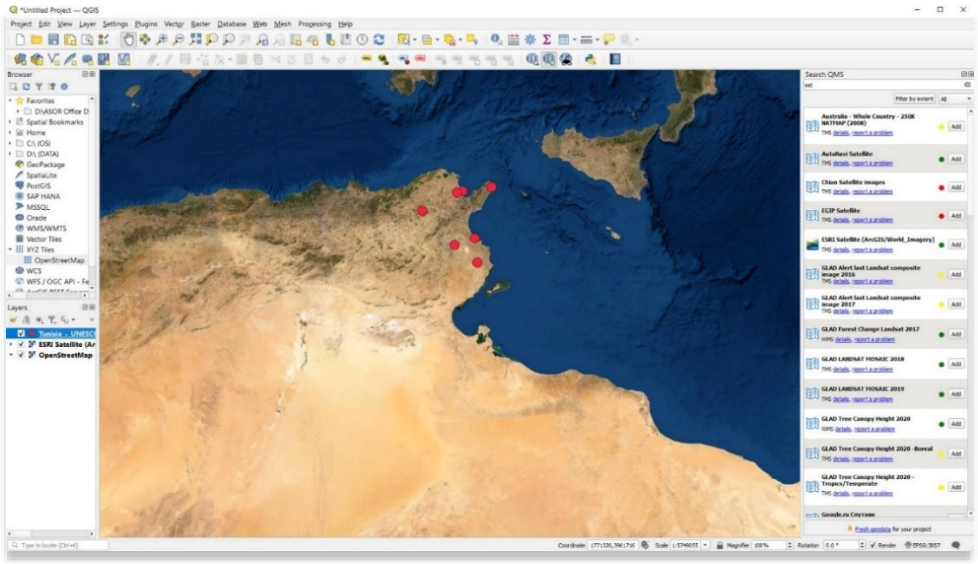

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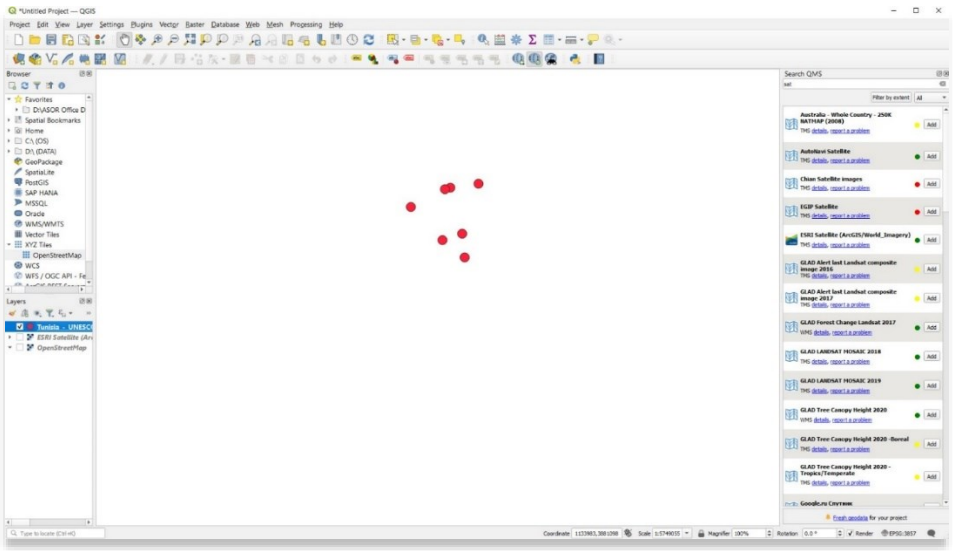

RESOURCES

QGIS Download: https://qgis.org/

VIEW ALL ASOR TUTORIALS FOR FREE

asor.org/chi/chi-tutorials