Basic upload tutorial

based on GeoNode Users Guide for Data Atlas Fontium platform

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About the tutorial

This tutorial is dedicated to non-advanced Users of the Data Atlas Fontium platform.

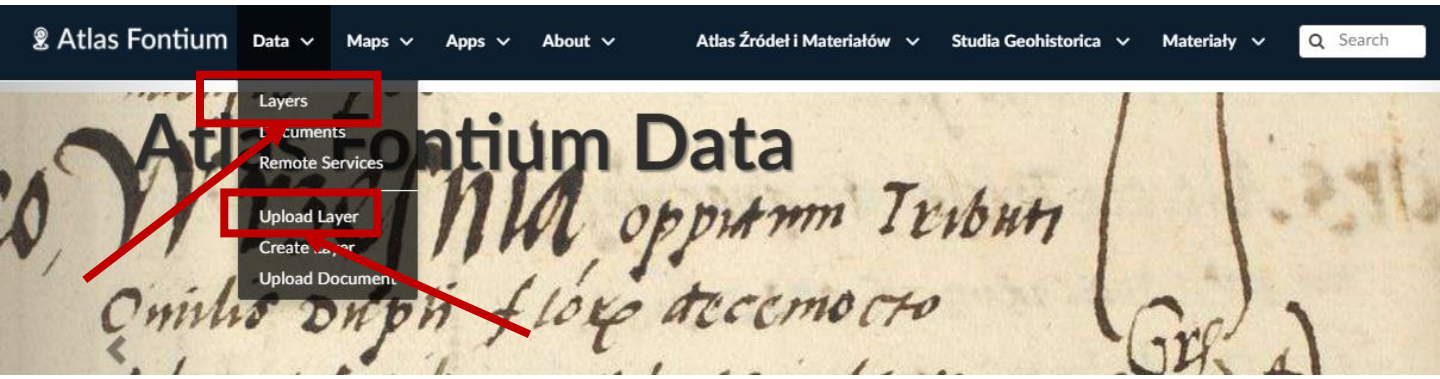
data.atlasfontium.pl is a repository of historical geodata managed by the Department of Historical Atlas (IH PAN). It allows storing historical sources and materials that have a spatial dimension and as such can easily be viewed as maps.

In this manual we describe data upload.

Tutorial was based on **GeoNode Users Guide**, where you can find more advanced and detailed information.

Data menu

As a logged-in *User*, you can add and manage *Layers* and *Documents*. You can explore the existing data through the links of the navigation bar at the top of the page. Below, you can go straight to *Upload Layer* page.



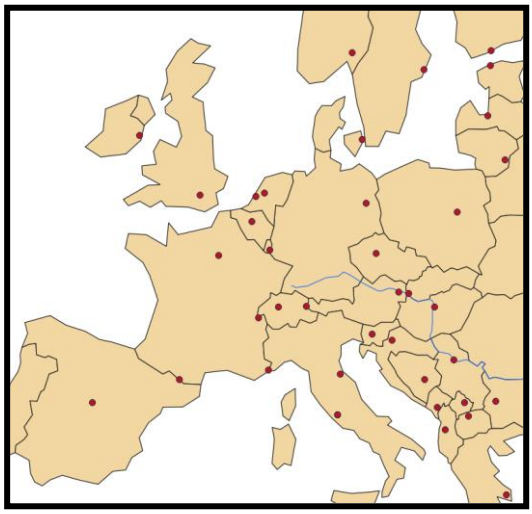
Layers are publishable resources representing a raster or vector spatial data source. *Layers* also can be associated with *Metadata*, ratings, and comments.

By clicking the **Layers** link you will get a list of all published layers. GeoNode allows the user to upload vector and raster data in their original projections using a web form.

Vector data can be uploaded in many different formats (ESRI Shapefile, KML/KMZ, CSV, Geojson, GML, compressed vector data sources – e.g. zip for large vector uploads). Satellite imagery and other kinds of raster data can be uploaded as GeoTIFFs.

Raster data

Vector data

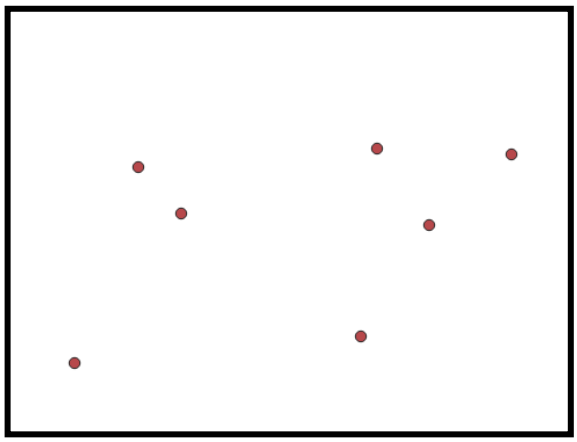


Vector formats

The files that we upload to create the vector layer can have different formats. The formats differ in structure.

Exemplary data: *Layer **city***, coordinate system – EPSG:4326, charset – UTF8

geometry

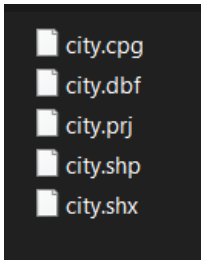


attributes

	NAME	SOV0NAME
1	Warsaw	Poland
2	Vienna	Austria
3	Berlin	Germany
4	Rome	Italy
5	London	United Kingdom
6	Paris	French Republic
7	Madrid	Kingdom of Spain

Exemplary formats:

SHP



CSV

	A	B	C	D	E
1	X	Y	NAME	SOV0NAME	
2	21.0053467377423	52.2308719735395	Warsaw	Poland	
3	-3.6852975	40.4019721	Madrid	Kingdom of Spain	
4	13.3996028	52.5237645	Berlin	Germany	
5	16.3646931	48.2019611	Vienna	Austria	
6	-0.1186677	51.5019406	London	United Kingdom	
7	12.4813126	41.8979015	Rome	Italy	
8	2.35299246153921	48.8580923162691	Paris	French Republic	
9					

Longitude Latitude Attributes

Vector formats

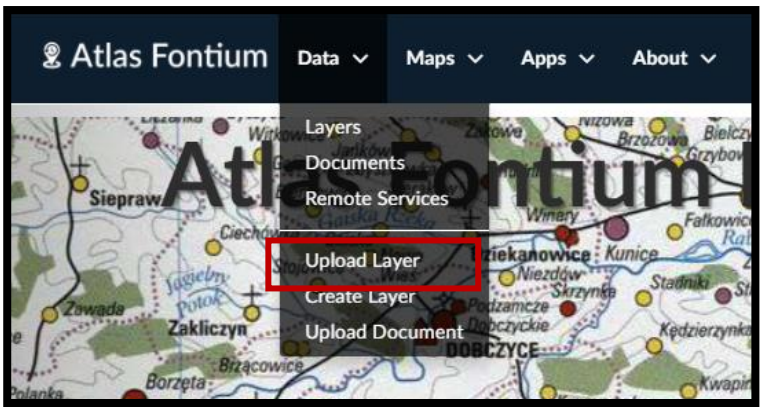
Check the structure of your data.

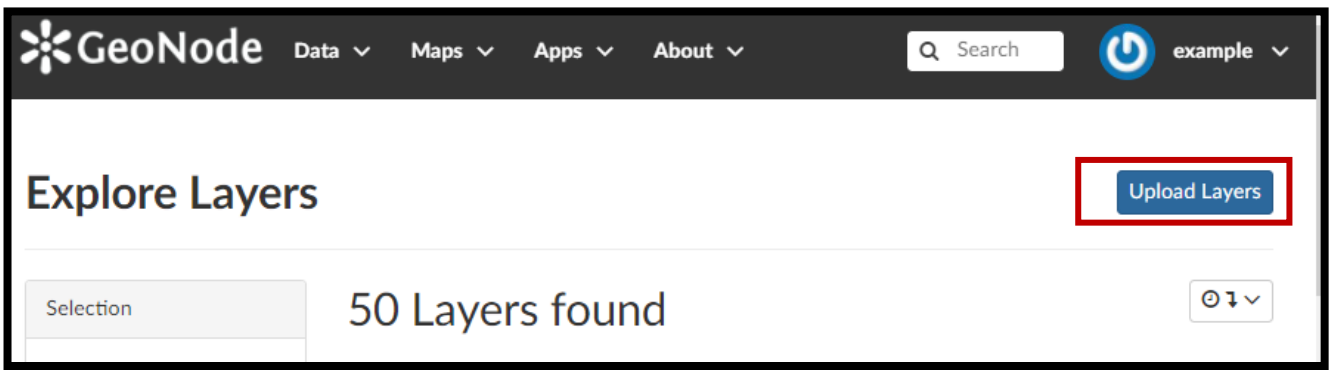
Note: If any of the attributes exceeds 255 characters, or the file has a mismatch or an error in its structure, GeoNode will return an error while uploading.

If an error occurs during the next steps, read or write it down. Using the provided information, you can verify what happened. Search for the content of such error in the Google browser or check the documentation.

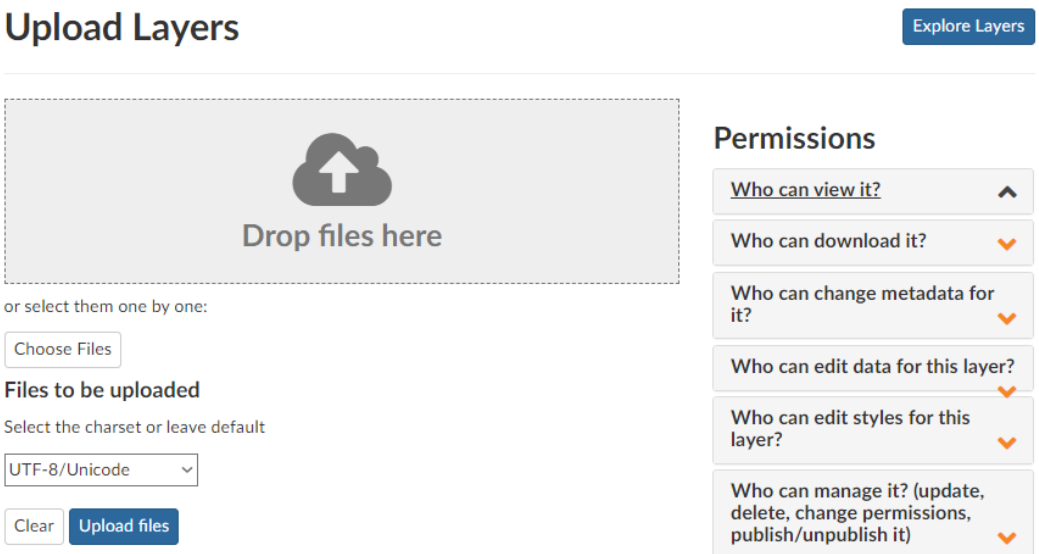
Layer uploading

The *Layer Uploading* page can be reached from the **Upload Layer** link of the **Data** menu in the navigation bar or an **Upload Layers** button in the *Layers Page*.



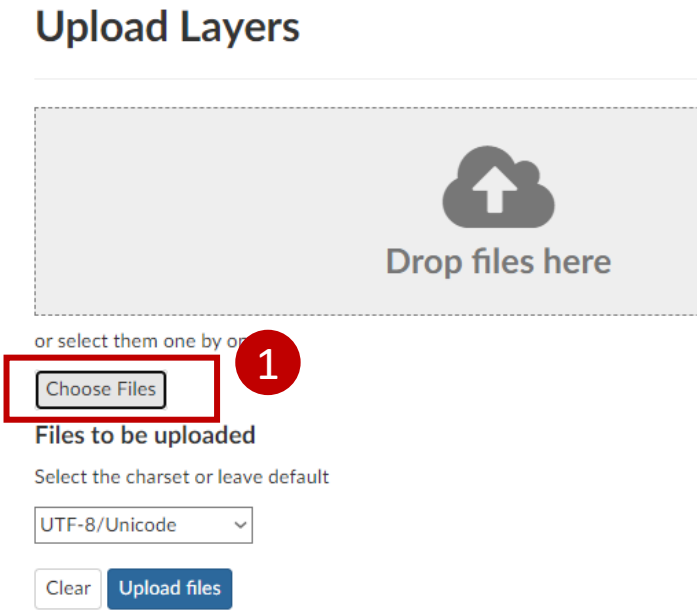


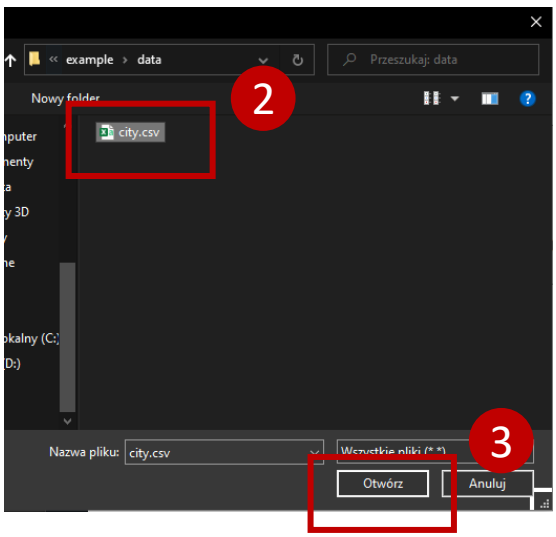
The Layers Uploading page:



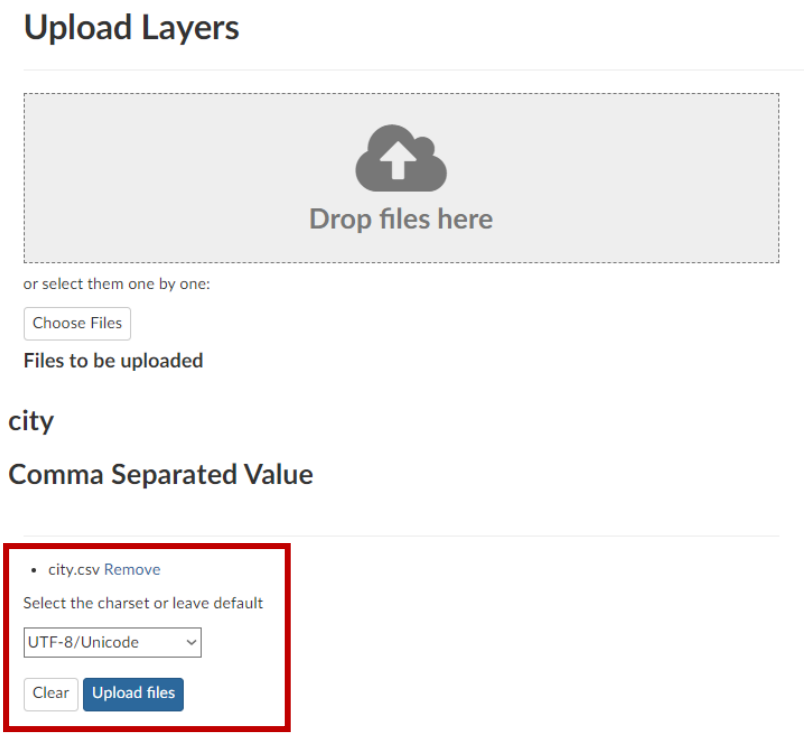
Layer uploading c.d.

Click the **Choose Files** button and select files from your disk, make sure they are valid raster or vector spatial data.



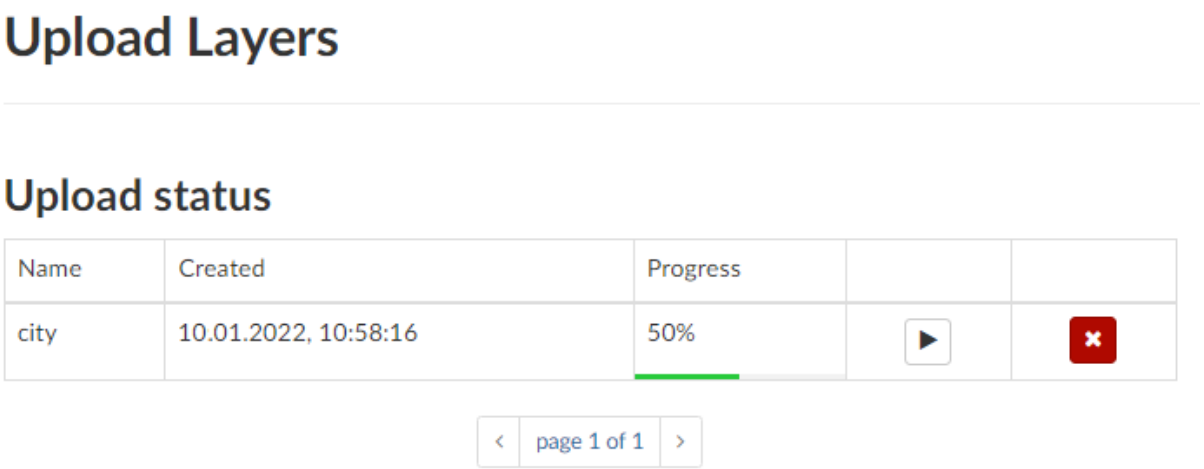


Select the *charset*, then click on **Upload files** to start the process or click **Clear** to remove all the loaded files form the page.



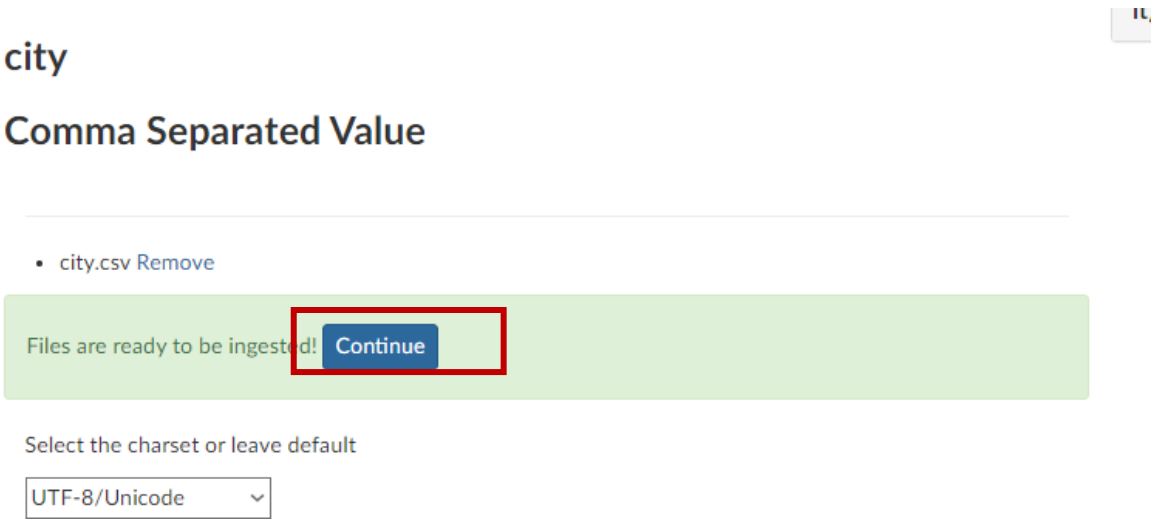
Layer uploading c.d.

A progress bar shows the operation made during the *Layer* upload and alerts you when the process is over.



If the choosen files had already specified coordinate system and coordinates (for example SHP or geojson format), the process should end here.

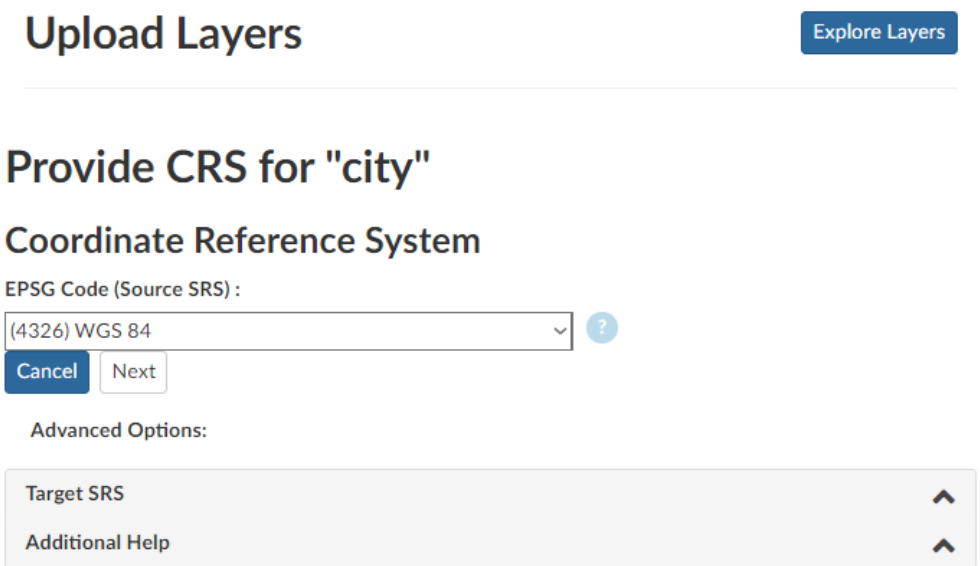
If the choosen files have no specified coordinate system or coordinates (for example CSV format), the proces will continue. In this case, click **Continue** buton below.



Layer uploading c.d.

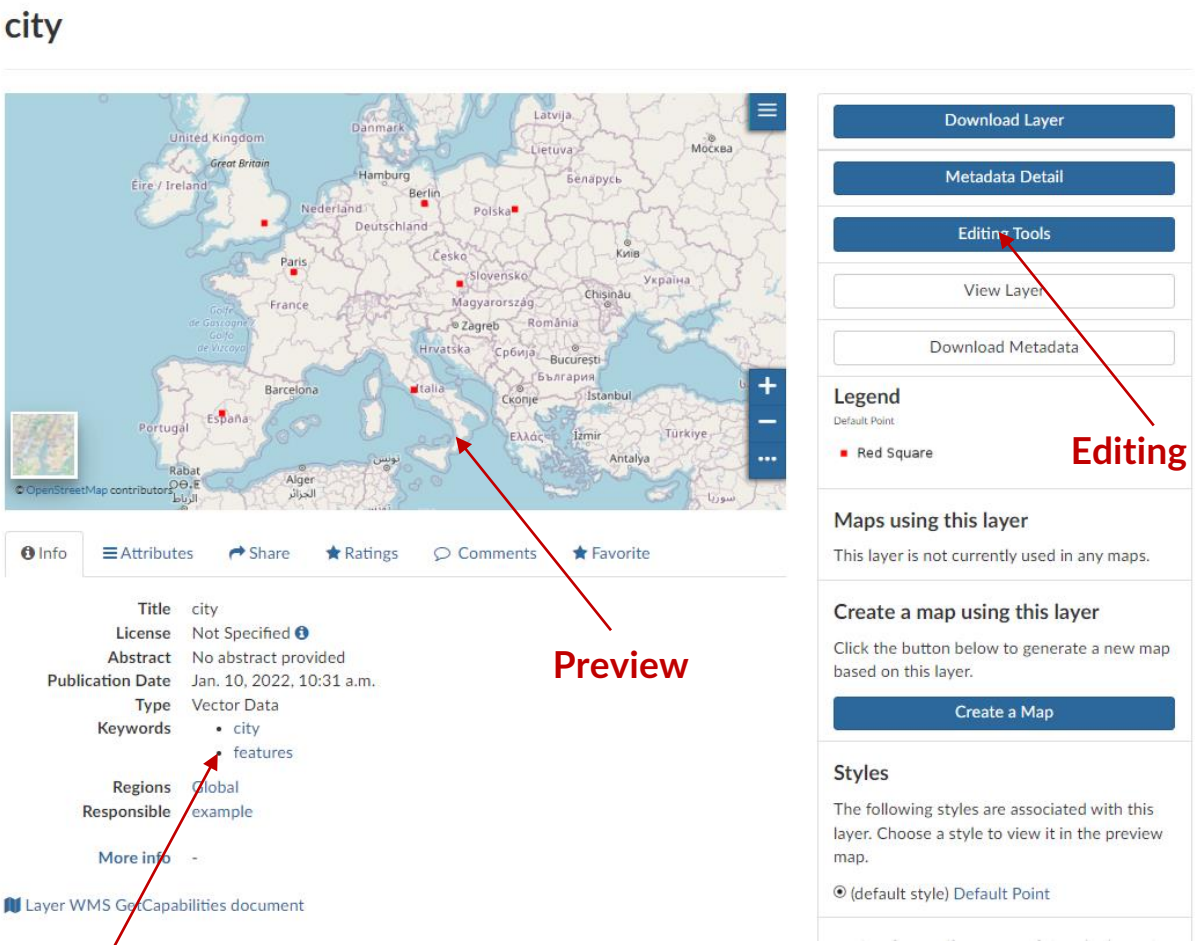
In the next step select the attributes from your file, which represent longitude and latitude, and click the **Next** button.

On the next page, provide Coordinate Reference System for your data. After choosing the right CRS, click **Next** button. If there were no errors, you shoudl see the correctly loaded layer.



Layer uploading c.d.

Correctly uploaded layer:



To customize the *Layer's* information and appearance click the **Editing Tools** button.

Instructions for editing a layer are included in the following manuals.