



# 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.

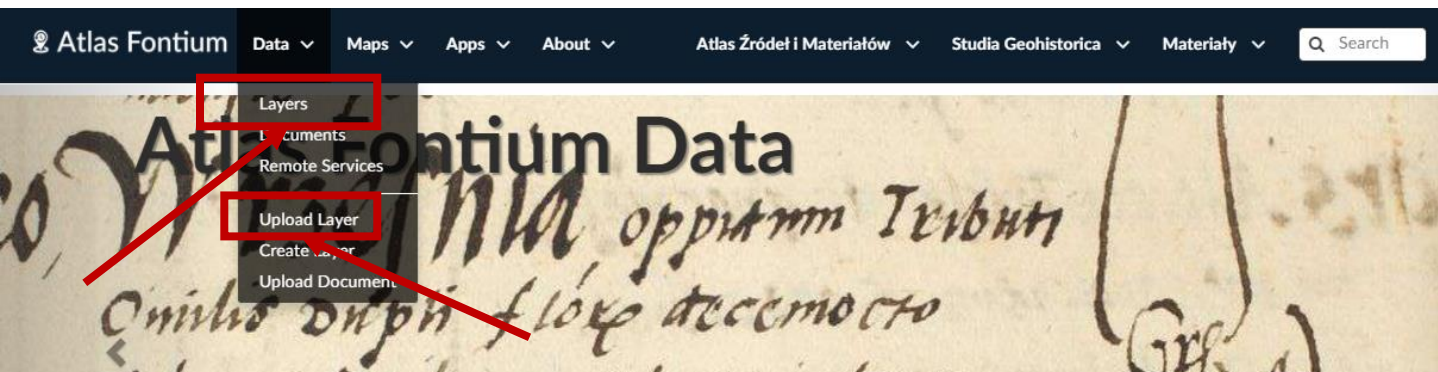
**data.atlasfontium.pl** is a repository of historical geodata managed by the Department of Historical Atlas (IH PAN). It allows storing historical sources and materials that have a spatial dimension and as such can easily be viewed as maps.

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.

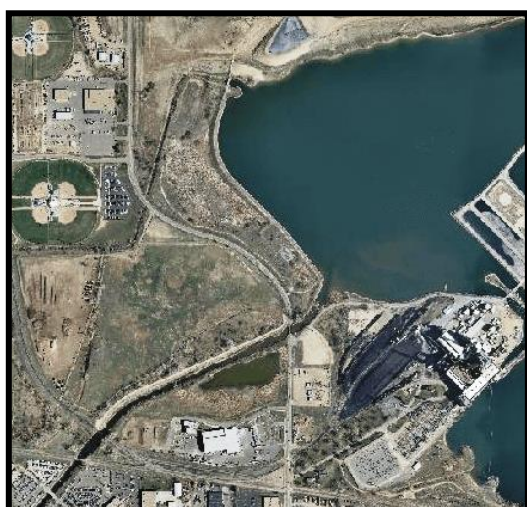


*Layers* are publishable resources representing a raster or vector spatial data source. *Layers* also can be associated with *Metadata*, ratings, and comments.

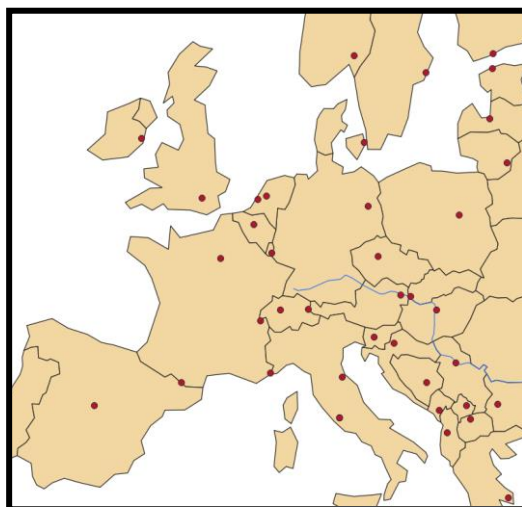
By clicking the **Layers** link you will get a list of all published layers. GeoNode allows the user to upload vector and raster data in their original projections using a web form.

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

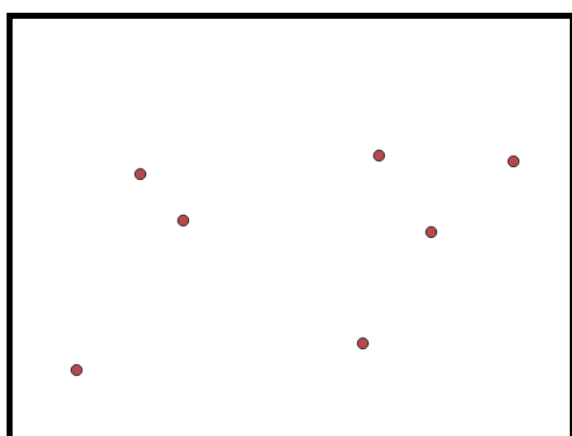


# Vector formats

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

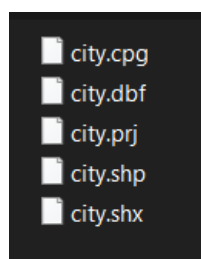


attributes

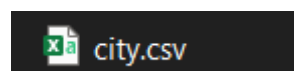
	NAME	SOV0NAME
1	Warsaw	Poland
2	Vienna	Austria
3	Berlin	Germany
4	Rome	Italy
5	London	United Kingdom
6	Paris	French Republic
7	Madrid	Kingdom of Spain

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

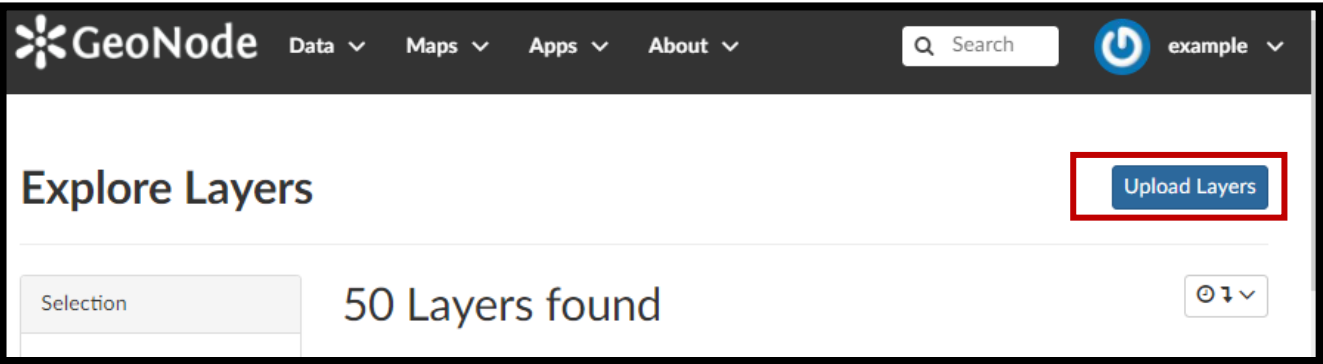
Check the structure of your data.

**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.

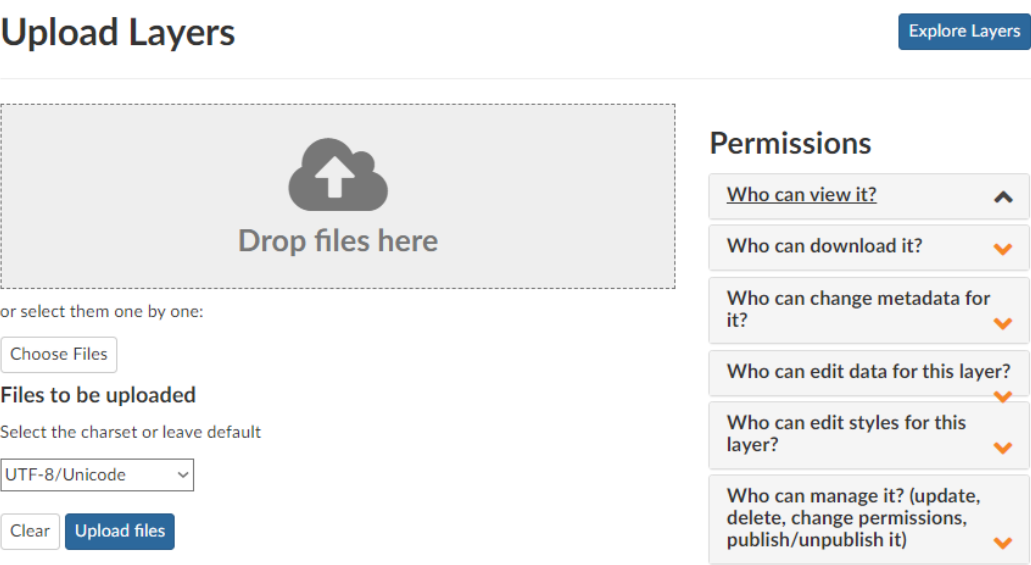
If an error occurs during the next steps, read or write it down. Using the provided information, you can verify what happened. Search for the content of such error in the Google browser or check the documentation.

# 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.

## Upload Layers

Drop files here

or select them one by one

1

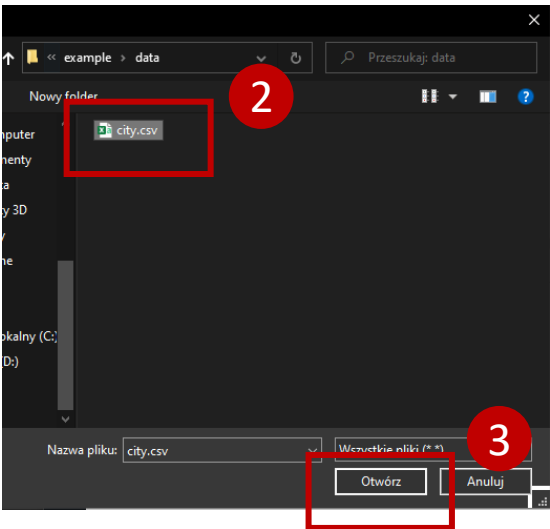
Choose Files

Files to be uploaded

Select the charset or leave default

UTF-8/Unicode

Clear Upload files



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

## Upload Layers

Drop files here

or select them one by one:

Choose Files

Files to be uploaded

city

Comma Separated Value

• city.csv Remove

Select the charset or leave default

UTF-8/Unicode



Clear Upload files

# Layer uploading c.d.

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

## Upload Layers

### Upload status

Name	Created	Progress		
city	10.01.2022, 10:58:16	50%		

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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.

city

Comma Separated Value

• city.csv Remove

Files are ready to be ingested! **Continue**

Select the charset or leave default

UTF-8/Unicode



# Layer uploading c.d.

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

Upload Layers

Explore Layers

## Geospatial Data "city"

Please indicate which attributes contain the latitude and longitude coordinates in the CSV data.

Latitude

Y

Longitude

X

CancelNext

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 should see the correctly loaded layer.

Upload Layers

Explore Layers

## Provide CRS for "city"

### Coordinate Reference System

EPSG Code (Source SRS) :

(4326) WGS 84

?

CancelNext

Advanced Options:

Target SRS

^

Additional Help

^

# Layer uploading c.d.

Correctly uploaded layer:

city

The screenshot displays a web application for managing map layers. On the left, a sidebar shows metadata for a layer titled 'city'. The metadata includes fields for Title, License, Abstract, Publication Date, Type, Keywords, Regions, and Responsible. The 'Keywords' field contains 'city' and 'features'. The 'Regions' field contains 'Global'. The 'Responsible' field contains 'example'. Below the metadata, there is a link to 'Layer WMS GetCapabilities document'. The main map area shows a map of Europe with red squares representing cities. A red arrow points from the 'Preview' label to the map. On the right, a panel contains several buttons: 'Download Layer', 'Metadata Detail', 'Editing Tools', 'View Layer', and 'Download Metadata'. A red arrow points from the 'Editing Tools' label to the 'Editing Tools' button. Below the buttons, there is a 'Legend' section showing 'Default Point' and 'Red Square'. Below the legend, there is a 'Maps using this layer' section stating 'This layer is not currently used in any maps.' Below that, there is a 'Create a map using this layer' section with a button 'Create a Map'. At the bottom, there is a 'Styles' section with a radio button selected for '(default style) Default Point'.

Editing Tools

Preview

Info and Metadata

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

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