



GEOPORTAL

OF MARJAN FOREST PARK

USER MANUAL

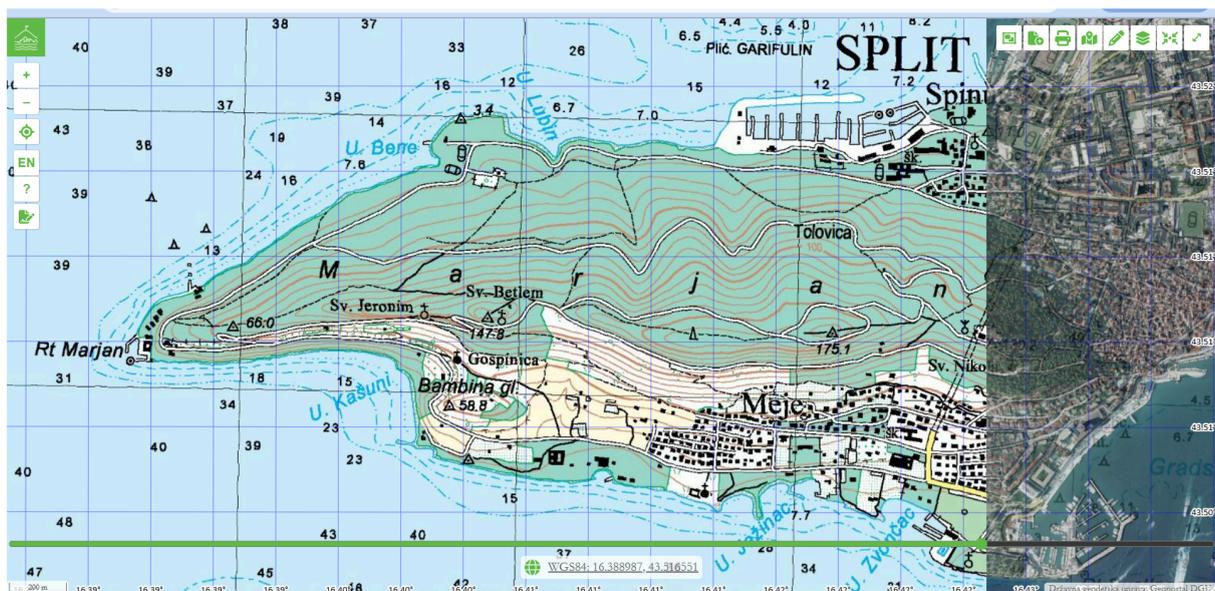
Introduction

The Geoportal of Marjan Forest Park is used for displaying and reviewing various cartographic layers, as well as for their simple comparison and analysis. The user can manage the display of data on the map by defining the display area, map size, and the type of cartographic layer shown. In addition to displaying cartographic layers on the interface, the geoportal allows drawing and measuring points, lines, and polygons, which can be downloaded or added in .kml format as a separate layer.

The Geoportal can be accessed by entering the following web address into your internet browser: <https://???/>

For optimal performance of the Geoportal, it is recommended to use the Google Chrome browser.

This manual will describe the basic and advanced functionalities of the Geoportal, as well as how to use them.



Display of the Geoportal's Initial Interface

Interface Description

The Geoportal interface is intuitive and easy to navigate. The basic functionalities are located on the left side of the screen, while the more advanced functionalities are positioned in the upper right corner.

At the bottom of the screen, on the left side, there is a scale, while in the center you can see the coordinate system and coordinates. You can change the coordinate system by clicking



on the icon, and you have the option to choose between WGS84 and HTRS96TM coordinate systems.

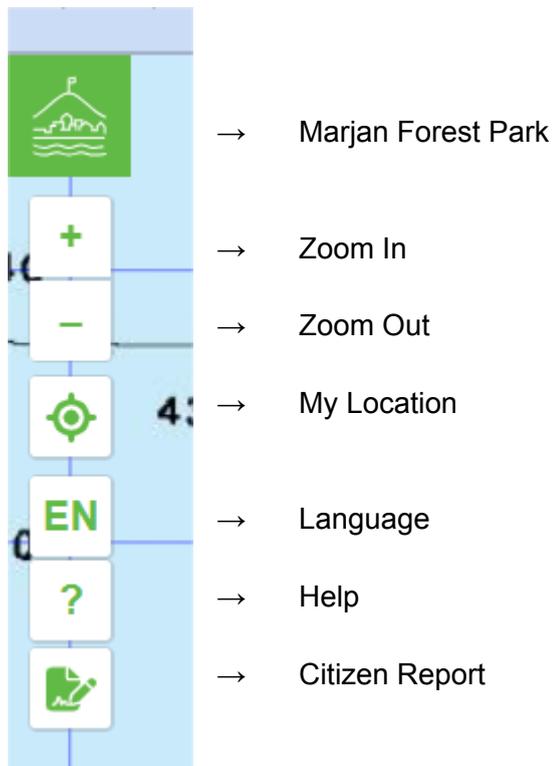


The coordinates change as you move the cursor across the map, and if you click on the panel where the coordinates are displayed, the Google Maps application will open in a new window, taking you to the exact location of those coordinates.

Above the coordinate system display and the coordinates themselves, there is a swipe bar or a slider that allows you to expand or contract the background or additional cartographic layers, depending on whether the swipe bar is moved to the left or right, making it easy to compare these layers.



Basic functionalities

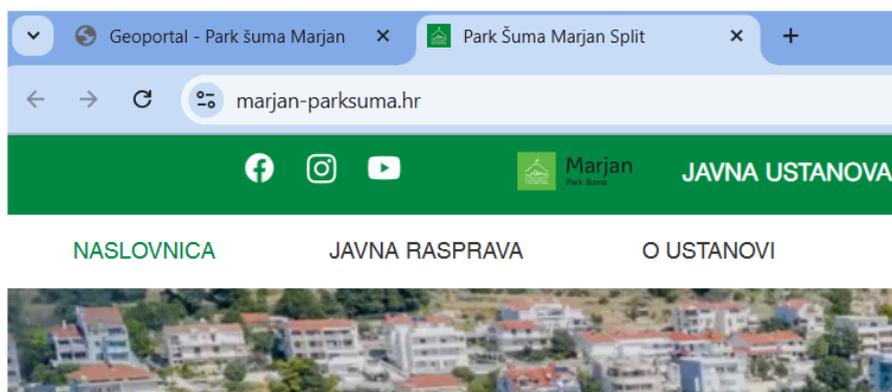


These functionalities are located at the top of the interface on the left side and provide easier navigation and access to basic information on the Geoportal. Below is a brief description of the functionalities and how to use them.

Link to the Website



By clicking on the logo or the icon at the top of the interface, the main website of the Marjan Forest Park opens. Here, you can find additional information about Marjan Forest Park with news and events.



Zoom In and Zoom Out

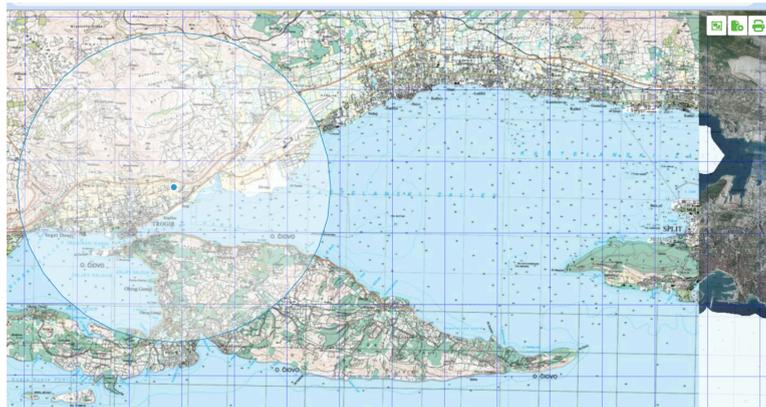


To zoom in or out on the map, use the “+” and “-” icons located in the upper left corner of the map. If you want to quickly navigate to a specific area, a double-click on the map will zoom in on the area you clicked.

Current Location Display



The first time you click on this icon, the application will ask for permission to access your location. If you allow it, the Geoportal will use your GPS position and display it on the map. This functionality allows for quick identification of your current location in relation to the Marjan Forest Park, which is useful, for example, when planning a visit.

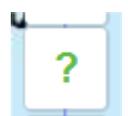


Language Change



By clicking on this icon, you can select your desired language. Currently, you can choose between Croatian and English.

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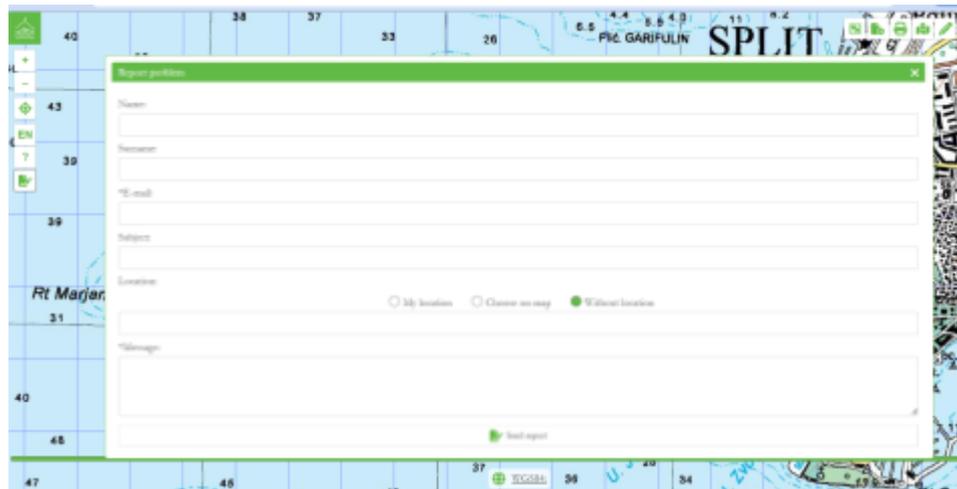


The “?” icon in the upper left corner opens this user manual.

Report Problem



By clicking on this icon, a new window opens, allowing citizens to report various problems or irregularities in the Marjan Forest Park area. The report must include an email address and a message describing the problem or irregularity. The report can be sent with the current location (GPS position from the mobile device), a manually selected location, or without a location.



The screenshot displays a mobile application interface for reporting a problem. A map of Marjan Forest Park is visible in the background, showing a grid of coordinates and labels like 'Rt Marjan' and 'SPLIT'. Overlaid on the map is a 'Report problem' form with the following fields and options:

- Name: [Text input field]
- Surname: [Text input field]
- E-mail: [Text input field]
- Subject: [Text input field]
- Location: [Text input field]
- Location selection: My location Choose on map Without location
- Message: [Text area]
- Send report: [Green button]

Advanced functionalities

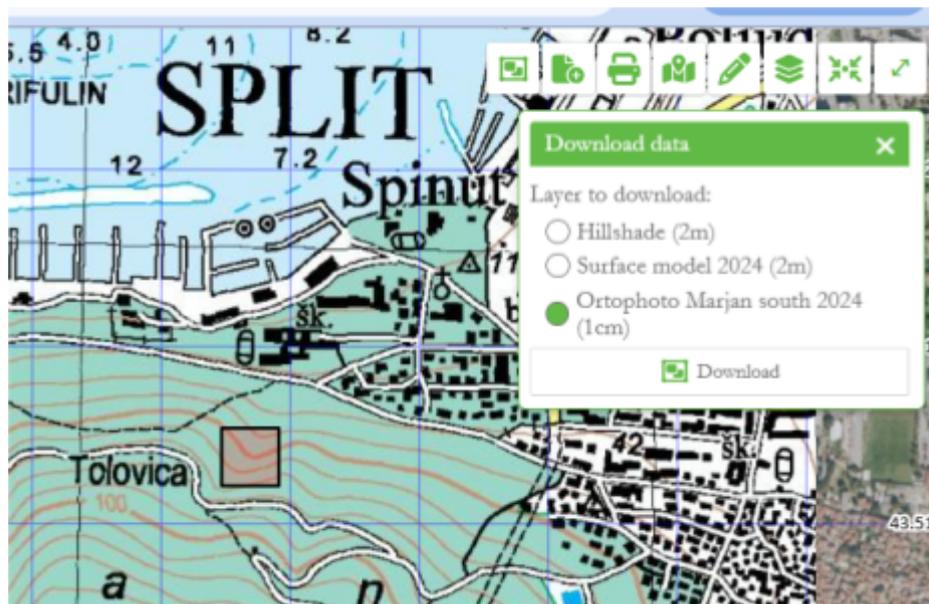
These functionalities enable more advanced work with maps and data, so below is a brief description of each.



Downloading Data



By clicking on this icon, a window opens where you can select the layer for download. Along with this window, a square appears on the map, representing the area of interest or the boundary of the area for which the data of the selected layer will be downloaded. This square is movable, and you can adjust it to the area you are interested in, then select the layer for download and click "Download".

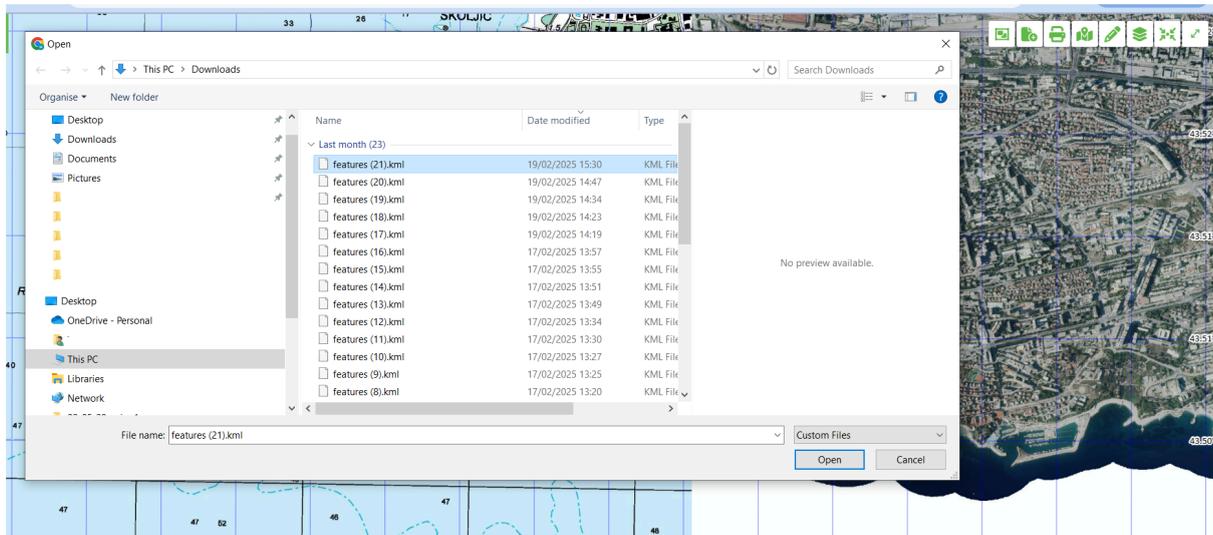


Adding KML file



Adding a .kml file is possible in two ways. One way is by clicking on this icon, which opens a window where you can select files from your computer or mobile device. Once you add the selected file, it is saved in the "Layers" field as a separate layer, but you cannot edit (draw, delete) that layer; you can only toggle it on or off. If you want the ability to edit your .kml data, you need to add it in a different way, within

the drawing and measuring panel. There, you can modify your data and then re-download it to your computer.



Saving the Map



The current map view can be saved by clicking the Save Map icon. This view is saved as a .png file in your Downloads folder.

Going to Specific Coordinates



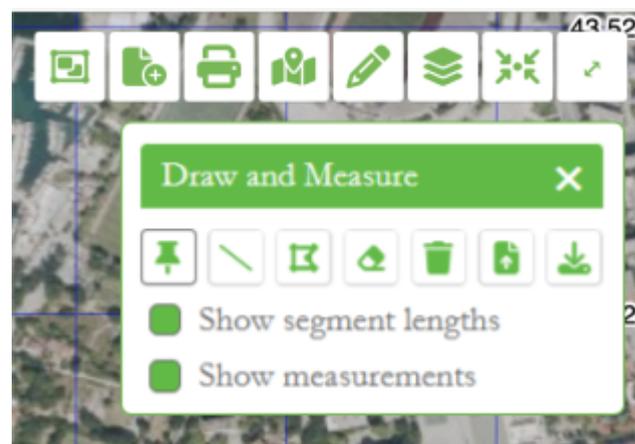
To quickly locate specific coordinates, click on the Go to coordinates icon and enter the desired geographically precise location. The Geoportal will automatically move you to that exact location on the map. All displayed locations are saved in the "Go to Coordinates" layer.

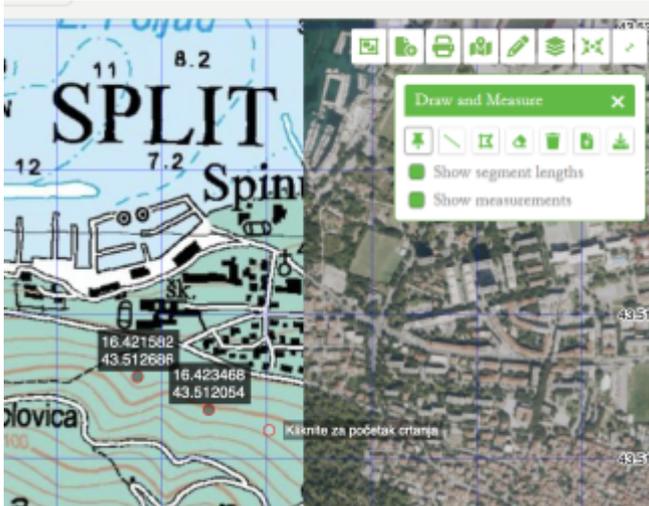


Crtaenje i mjerenje

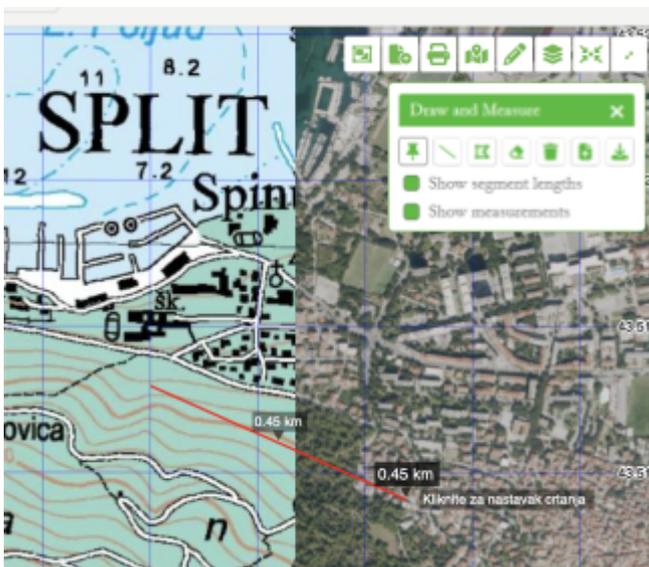


The Geoportal offers a tool for drawing points, lines, and polygons, as well as displaying the lengths of drawn segments and areas. The segment lengths and area measurements can optionally be turned off so that they are not displayed on the map. Within the Draw and Measure tool, specific functions are selected for drawing points, lines, and polygons, as well as for deleting marked segments or all existing ones, and for adding and downloading .kml files. All drawings are saved in the "Draw/Measure" layer, which is available in the Layers panel.

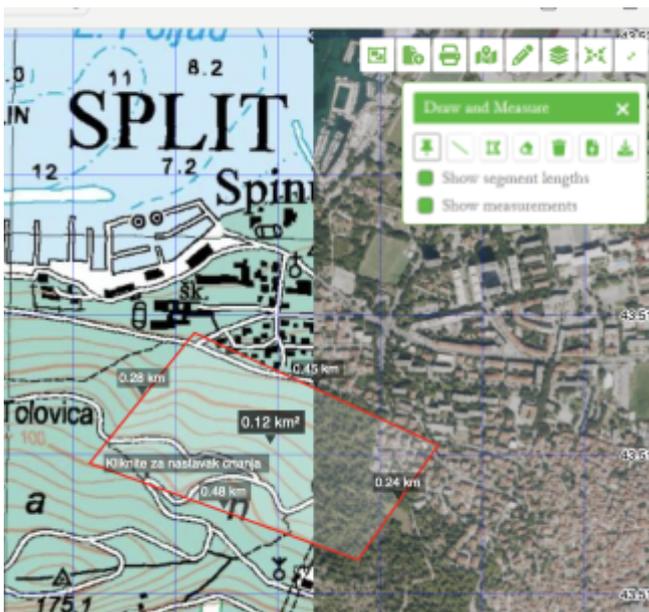




When drawing points, we must select the Draw/Measure Point icon in the drawing and measurement functionality. Then, we move around the screen and click on points. For each point we create, its coordinates are automatically displayed above it. If we don't want the coordinates to be visible, we must turn off the "Show Measurements" option.



To draw lines, we click on the Draw/Measure Polyline icon and then click on the map until we draw the desired line. A double-click finishes the line drawing. The length of each segment is displayed on each part of the line, and the total length (measurement) is shown at the end. If we don't want these values to be visible on the map, we need to turn them off.

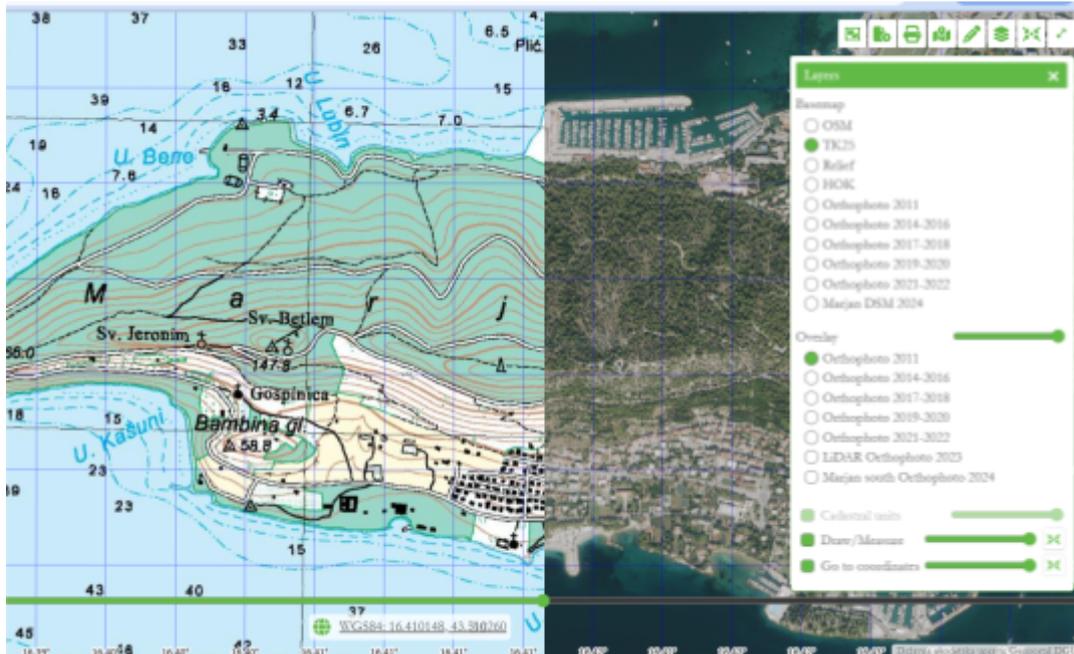


Polygons are drawn by clicking on the Draw/Measure Polygon icon. Then, we click on the map until we draw the desired polygon and finish with double-click. The length of each segment and the area of the polygon are also displayed. To hide these values from the map, we must turn off the "Show Segment Lengths" and "Show Measurements" options.

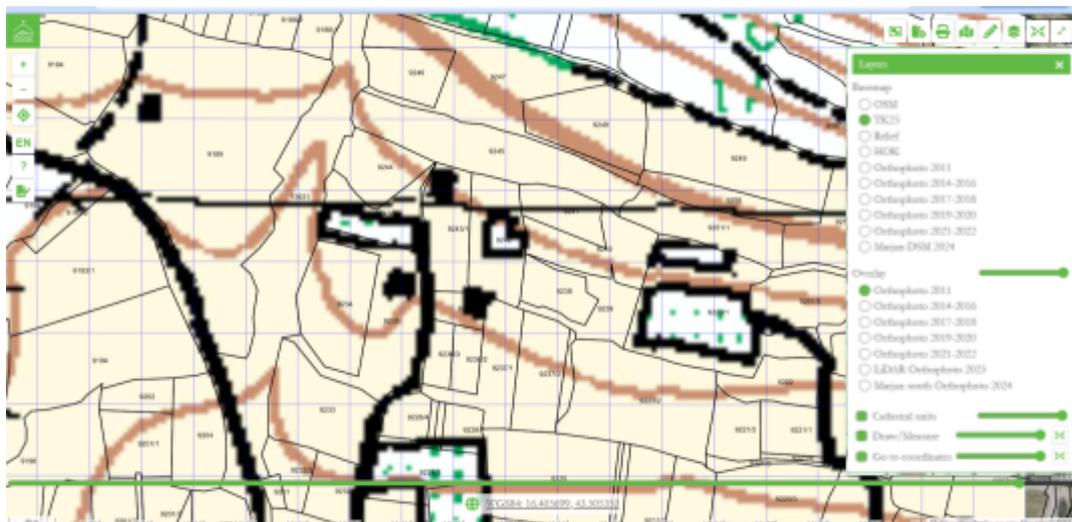
Layer Management



Here is a list of all layers on the map. The "Go to Coordinates" and "Draw/Measure" layers have already been described in previous chapters. All layers, except for the Background layer, can have their opacity adjusted. All layers, except for the Background and Additional layers, can be turned on and off. Through the menu, you can change the type of the Background and Additional layers. Both layers contain certain types of cartographic displays. The Background and Additional layers can be moved and overlapped using a slider, which is moved left and right.



Another important layer here is the Cadastral units layer. It is only enabled when the map is zoomed in significantly. This layer can be turned on and off, depending on the need.



Return to full extent



By clicking on the “Full Extent” icon, the display area returns to its original state.

Fullscreen Display



For a better view and more space for the map, the Geoportal allows full-screen display. Click on the icon Toggle full-screen, and the map will expand to the entire screen, without other interface elements.