



Information and analytical system

«Geostatistics»

User Guide

<https://gis.belstat.gov.by/>

Information and analytical system «Geostatistics» (hereinafter - the System) is designed for:

- establishing the relationship between official statistical information (hereinafter – OSI) with relevant geographical objects (objects of administrative-territorial and territorial units of the Republic of Belarus);
- analysis of OSI in cartographic representation, final data of population censuses;
- providing users with access to spatial data and OSI.

The user's work in the System takes place interactively

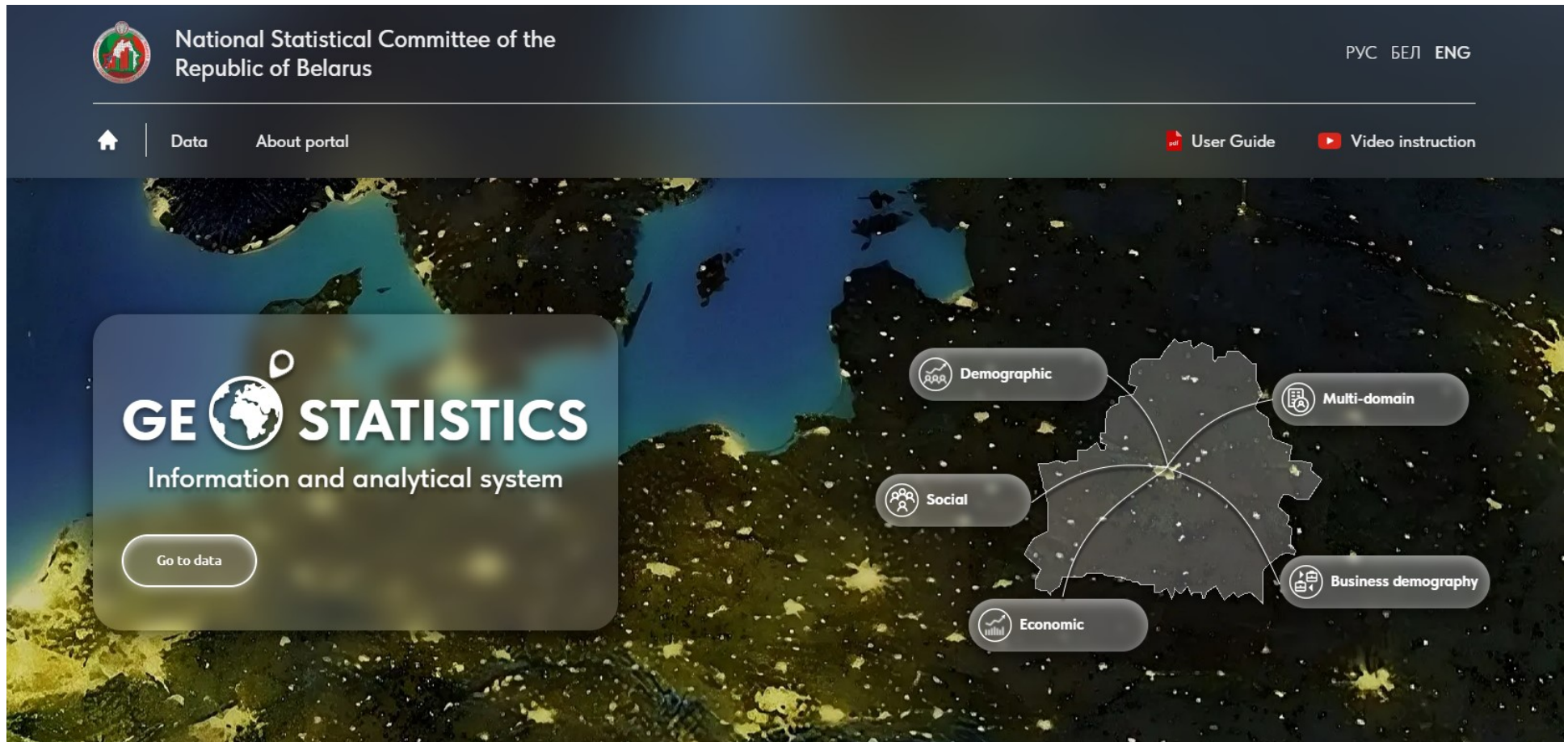
This Guide is intended for users who view and export statistical data.

It is necessary to perform all the actions described in the Guide step by step in order to learn how to work in the System. You should pay attention to the numbering of messages where it is present. For greater clarity, the messages and pointing arrows are drawn in red.

1. Home page

To go to the main page of the System, you must enter the System address <https://gis.belstat.gov.by/> in the browser line and press Enter.

The user will be shown the home page:



About portal

GEOSTATISTICS

To go to view the OSI, you must click on the appropriate button:

The screenshot shows the homepage of the GEOSTATISTICS portal. At the top left is the logo of the National Statistical Committee of the Republic of Belarus. To its right, the text 'National Statistical Committee of the Republic of Belarus' is displayed. Further right are language options: 'РУС БЕЛ ENG'. Below the header is a navigation bar with a home icon, 'Data', and 'About portal'. On the right side of the navigation bar are links for 'User Guide' and 'Video instruction'. The main content area features a large map of Belarus with several category buttons overlaid: 'Demographic', 'Social', 'Economic', 'Multi-domain', and 'Business demography'. A central logo for 'GEOSTATISTICS Information and analytical system' is prominent, with a 'Go to data' button below it. Red arrows and text boxes provide instructions: one points to the 'Data' button, another to the 'Go to data' button, and a larger one points to the industry category buttons.

National Statistical Committee of the Republic of Belarus

РУС БЕЛ ENG

Data About portal

User Guide Video instruction

The transition to viewing the OSI is carried out using the button

The transition to viewing the OSI is carried out using the button

To go to view the OSI for a specific industry, you must click the corresponding button

Demographic

Social

Economic

Multi-domain

Business demography

GEOSTATISTICS
Information and analytical system

Go to data

About portal

GEOSTATISTICS

2. Main data view page

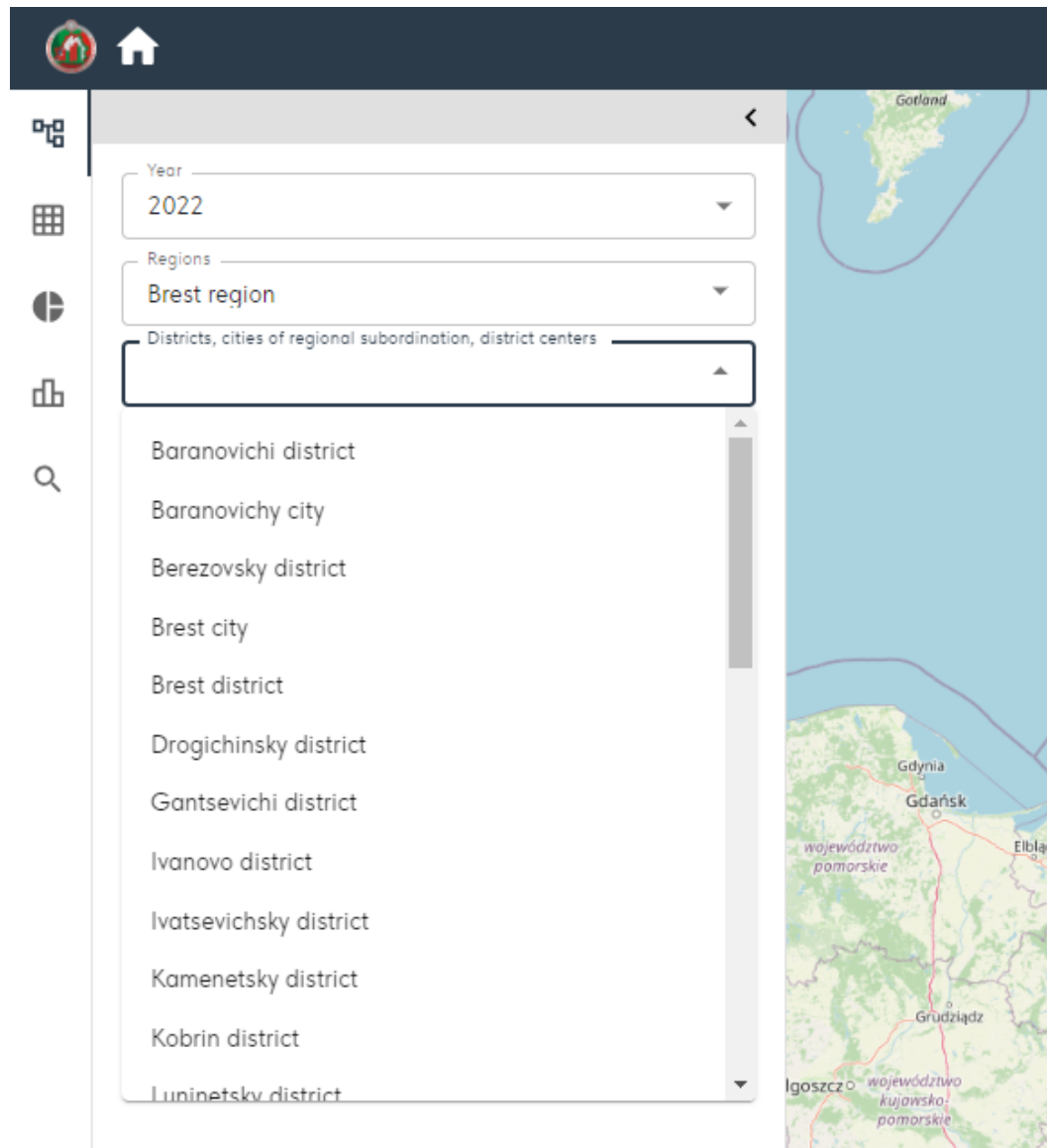
When navigating to data, the main page for viewing data is shown:

The screenshot displays the main data view page of the GEOSTATISTICS application. The interface is divided into several key sections:

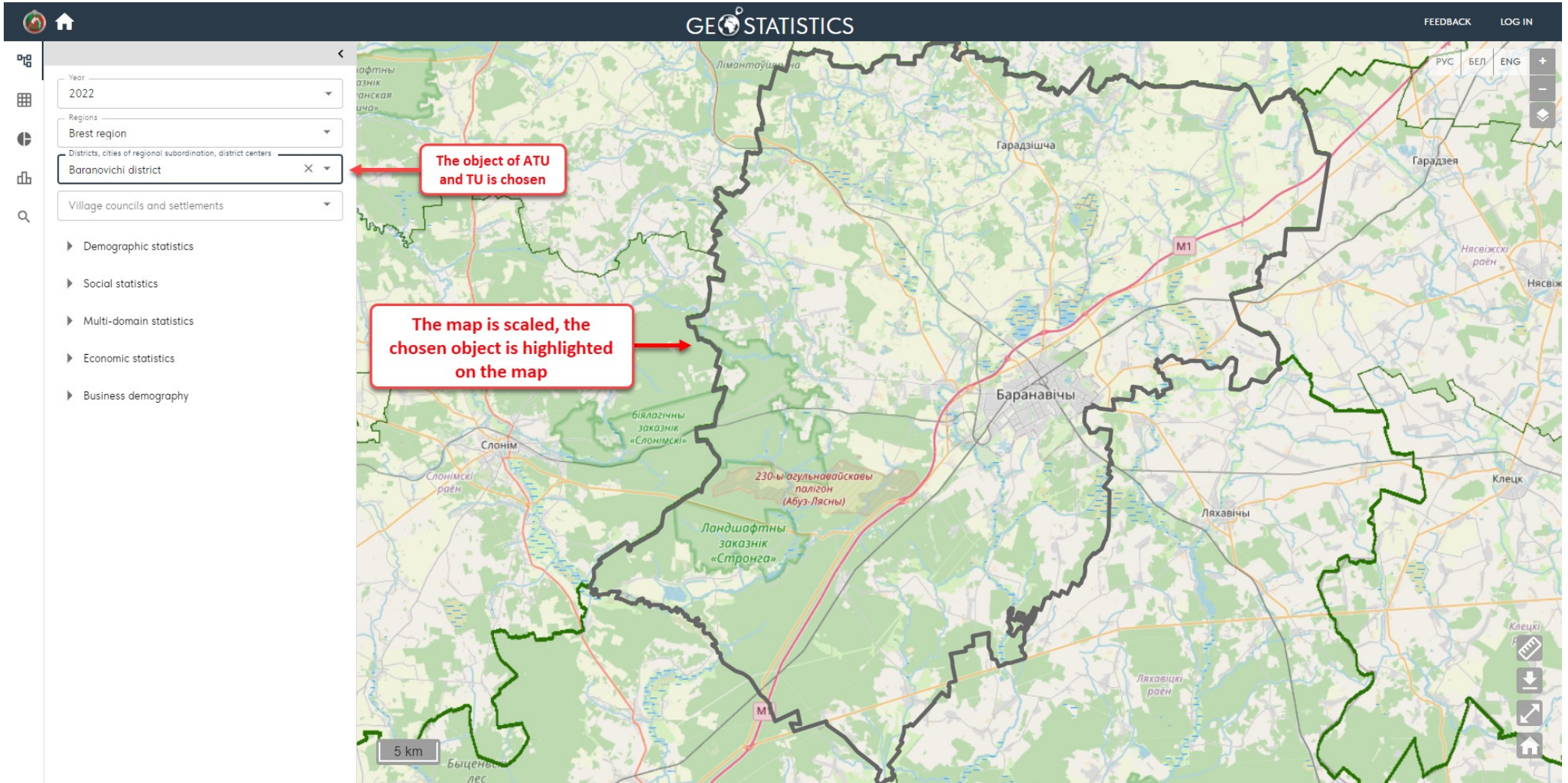
- Top Navigation:** Features the 'GEOSTATISTICS' logo and 'FEEDBACK LOG IN' links.
- Language Panel:** Located in the top right, it allows users to switch between languages: 'РУС' (Russian), 'БЕЛ' (Belarusian), and 'ENG' (English).
- Left Sidebar:** Contains a search bar and a 'Layers tree' menu. The 'Layers tree' lists the following categories:
 - Demographic statistics
 - Social statistics
 - Multi-domain statistics
 - Economic statistics
 - Business demography
- Main Map Area:** Displays a map of Belarus with a 100 km scale bar and navigation controls (home, back, forward, zoom in, zoom out).
- Filters:** On the left side of the map, there are filters for 'Year' (set to 2022), 'Regions', 'Districts, cities of regional subordination, district centry.', and 'Village councils and settlements'.

2.1. The «Layers» tab

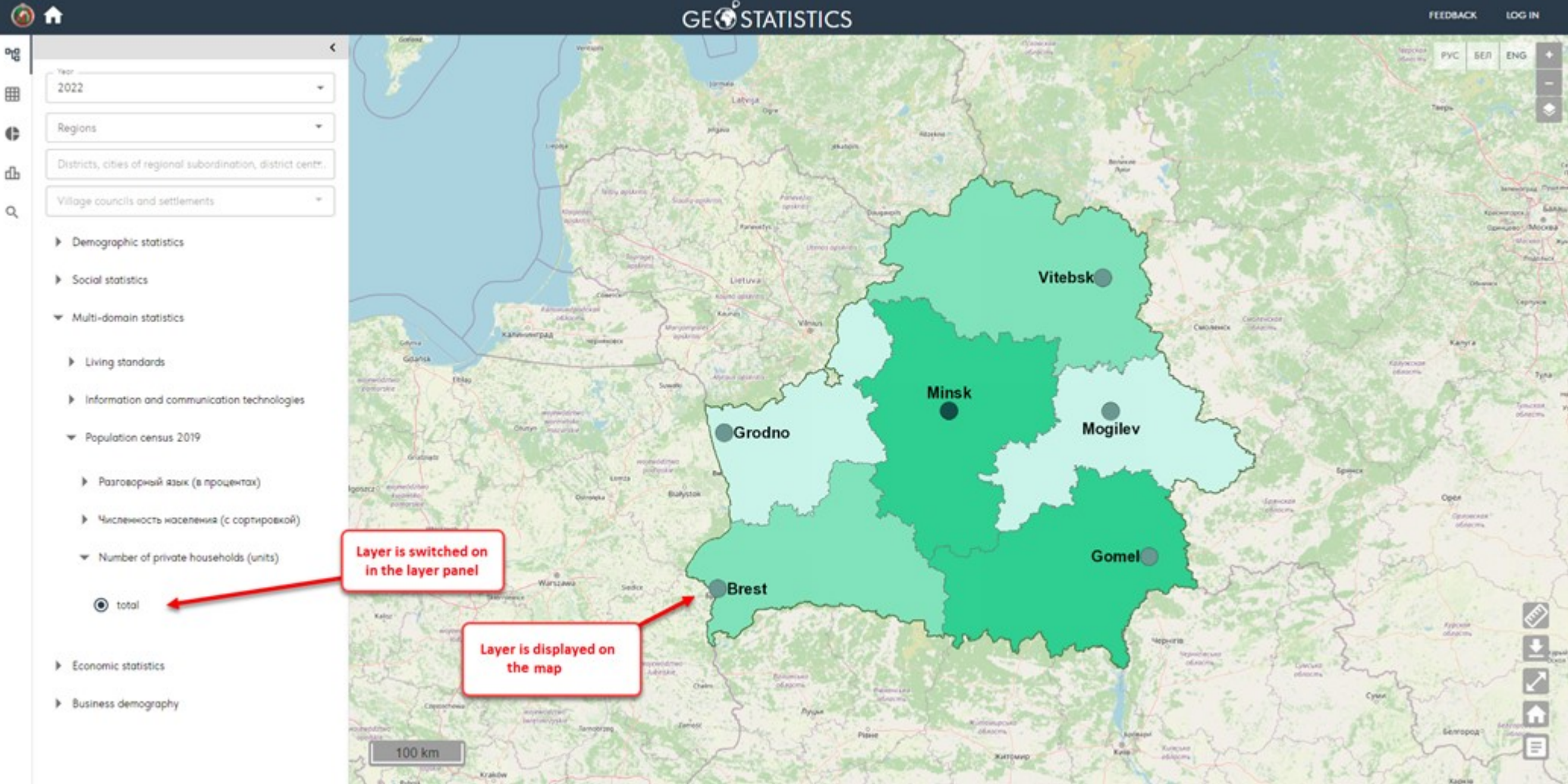
On the “Layers” tab, the user can select the year for the dataset, zoom in on the map to a specific object of Administrative territorial and territorial unit (ATU and TU). To zoom in, you need to select an object from the drop-down list:



When you select an object, the map is scaled to it:



To enable display of a layer with OSI on the map, you must select it from the tree list of layers:



2.2. The «Tables» tab

On the “Tables” tab, the user can select, display and export the OSI as a table. To view data, you must select year, a dataset and one or more ATU. When you select one ATU, the table will be generated based on all layers of the data set for the selected ATU.

When selecting several ATU, the choice of layer (parameter) is mandatory. The table will display data on the selected layer for the corresponding ATU:

Year: 2022

Dataset: Proportion of population who own a mobile...

Regions: Brest region

Districts, cities of regional subordination, district centr..

Village councils and settlements

Layer selection

BUILD

Proportion of population who own a mobile telephone (percent) (Brest region)

both sexes	95.7 %
female	97.1 %
male	93.7 %

1. Year is chosen

2. Dataset is chosen

3. One ATU is chosen

4. When selecting one ATU, the choice of layer is not available. The construction is carried using all layers of the dataset

Year: 2022

Dataset: Proportion of population who own a mobile...

Regions: Brest region +4

Districts, cities of regional subordination, district centr..

Village councils and settlements

Layer selection: female

BUILD

Proportion of population who own a mobile telephone (percent) (female)

Brest region	97.1 %
Gomel region	97.1 %
Mogilev region	98.6 %
Grodno region	98.2 %
Minsk region	97.1 %

1. Year is chosen

2. Dataset is chosen

3. Multiple ATUs are chosen

4. When selecting multiple ATUs, the choice of layer is necessary. The construction is carried out using multiple chosen ATUs

The constructed table can be exported to PDF, PNG, XLSX formats. You need to use the export tool and select a file type:

The screenshot shows a web application interface with a sidebar on the left containing navigation icons. The main content area features a filter panel with the following settings: Year: 2022, Dataset: Proportion of population who own a mobile..., Regions: Brest region +4, Districts, cities of regional subordination, district cent..., Village councils and settlements, Layer selection: female. Below the filter panel is a 'BUILD' button. The main data area displays a table titled 'Proportion of population who own a mobile telephone (percent) (female)'. The table has two columns: Region and Percentage. The data is as follows:

Region	Percentage
Brest region	97.1 %
Gomel region	97.1 %
Mogilev region	98.6 %
Grodno region	98.2 %
Minsk region	97.1 %

An 'Export Data' dialog is open at the bottom, showing three options: PNG, PDF, and XLSX. A red callout box with the text '1. The export button is pressed' points to a dark blue button with a white download icon. Another red callout box with the text '2. It is necessary to choose file format for export' points to the 'XLSX' option in the dialog. The background of the interface shows a map of Poland with various cities and regions labeled.

When you click on the button corresponding to the file format, the data is exported to the selected format. The file is saved on the user's local computer.

2.3. The «Pie chart» tab

The «Pie chart» tab allows the user to select, display, and export OSI as a pie chart. To view data, you must select a data set, as well as one or more ATUs.

Multiple ATUs selection is not available. The selection of a layer (parameter) is mandatory. When you select one ATU, the diagram will be generated for all underlying ATUs. When you select “All” at the regional level, the diagram will be generated for all regions and the city of Minsk:

Home icon

Year: 2022

Dataset: Number of micro, small and medium organi...

Regions: Brest region

Districts, cities of regional subordination, district centers: All

Village councils and settlements

Layer selection: 2022

BUILD

Number of micro, small and medium organisations (units) (2022)

Region/City	Units
Brest region, Baranovichi district	411 un.
Brest region, Baranovichi city	1154 un.
Brest region, Berezovsky district	300 un.
Brest region, Brest city	4354 un.
Brest region, Brest district	572 un.

Map showing the Brest region and surrounding areas (Kalininingradskaya oblast, województwo łódzkie, województwo świętokrzyskie, województwo małopolskie). A 50 km scale bar is visible.

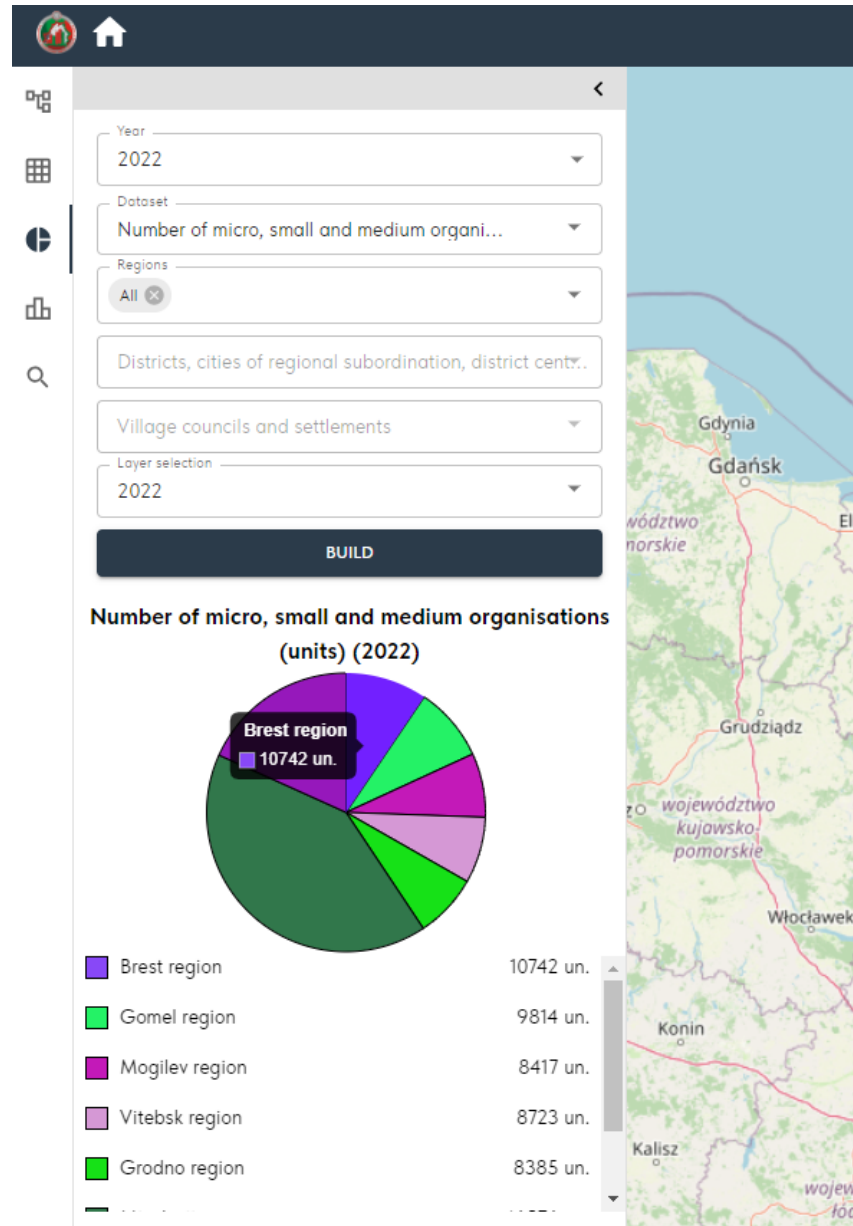
1. Year is chosen

2. Dataset is chosen

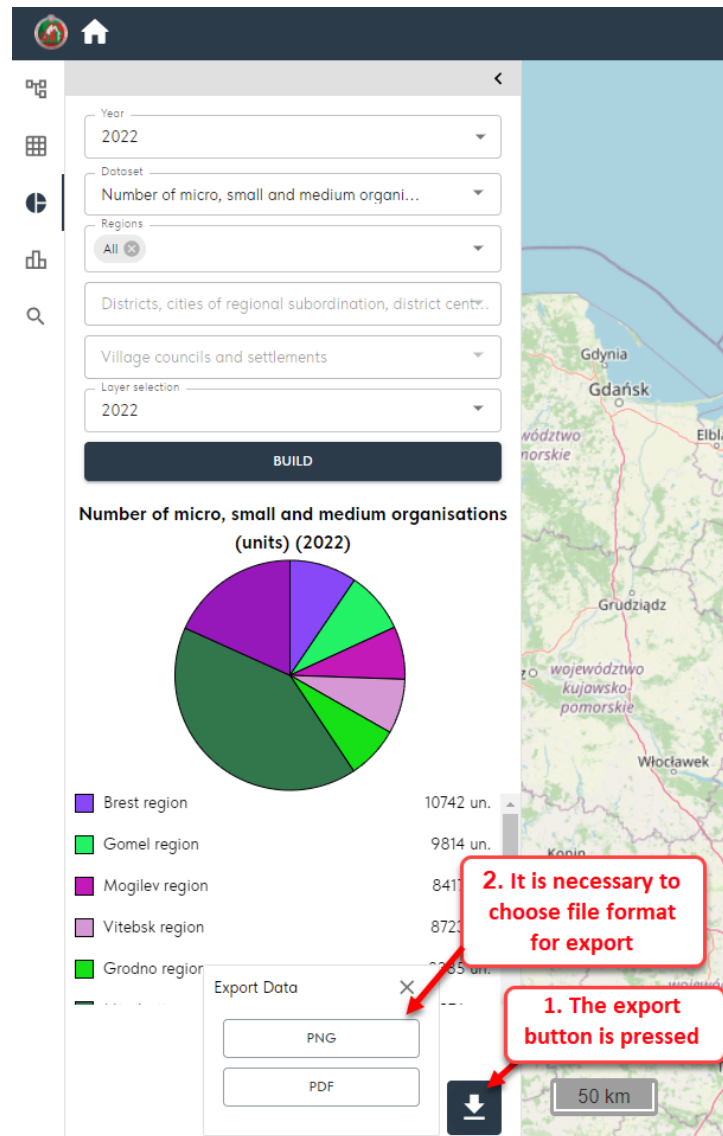
3. One ATU is selected. The chart will be plotted on all underlying ATU

4. Layer selection is mandatory. Construction is carried out on the selected layer of the dataset

When you hover your mouse over a parameter, information about it is displayed:



To export a pie chart, you need to click on the data export button, select the file type:



When you click on the button corresponding to the file format, the data is exported to the selected format. The file is saved on the user's local computer.

2.4. The «Histogram» tab

The «Histogram» tab allows the user to select, display, and export OSI as a histogram. To view data, you must select a year, a data set, as well as one or more ATUs. When you select one ATU, a histogram will be generated based on all layers in the dataset for the selected ATU.

When selecting several ATUs, the choice of layer (parameter) is mandatory. The histogram will display data on the selected layer for the corresponding ATU:

Year: 2022

Dataset: Yield capacity of agricultural in agricultural...

Regions: Brest region

Districts, cities of regional subordination, district centr..

Village councils and settlements

Layer selection

BUILD

Yield capacity of agricultural in agricultural organisation (Brest region)

Category	Value
grains an...	38.1 centners per hectare
potatoes, ...	259 centners per hectare

1. Year is chosen

2. Dataset is chosen

3. One ATU is chosen

4. When selecting one ATU, the choice of layer is not available. The construction is carried using all layers of the dataset

Year: 2022

Dataset: Yield capacity of agricultural in agricultural...

Regions: Brest region +4

Districts, cities of regional subordination, district centr..

Village councils and settlements

Layer selection: potatoes, 2022

BUILD

Yield capacity of agricultural in agricultural organisations (potatoes, 2022)

Region	Yield Capacity (centners per hectare)
Brest reg...	259 centners per hectare
Gomel reg...	203 centners per hectare
Grodno re...	335 centners per hectare
Minsk reg...	307 centners per hectare
Mogilev r...	231 centners per hectare

Map labels: Kaunas, Marijampolė, Białystok, Svisloch, Pruzhany, Kamenets, Kobrin, Zhabinka, Malorita, Brest, Biela Podlaska, 50 km

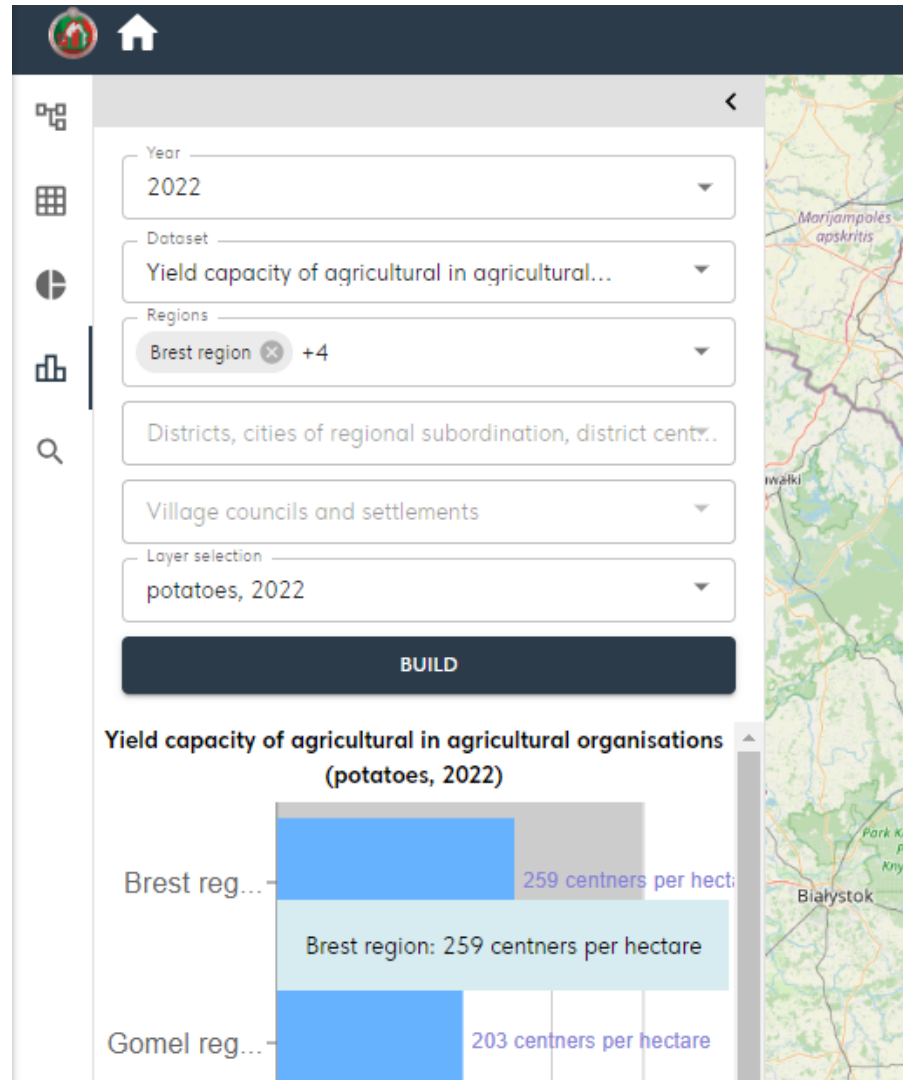
1. Year is chosen

2. Dataset is chosen

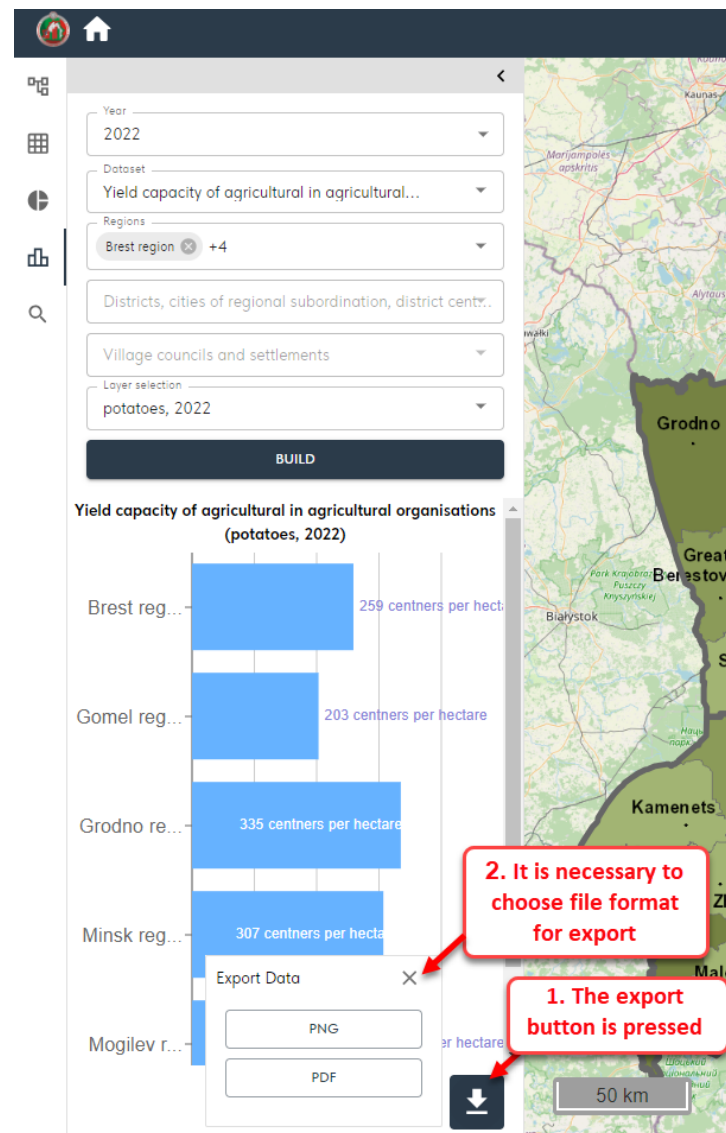
3. Multiple ATUs are chosen

4. When selecting multiple ATUs, the choice of layer is necessary. The construction is carried out using multiple chosen ATUs

When you hover your mouse over a parameter, information about it is displayed:



To export a histogram, you need to click on the data export button, select the file type:



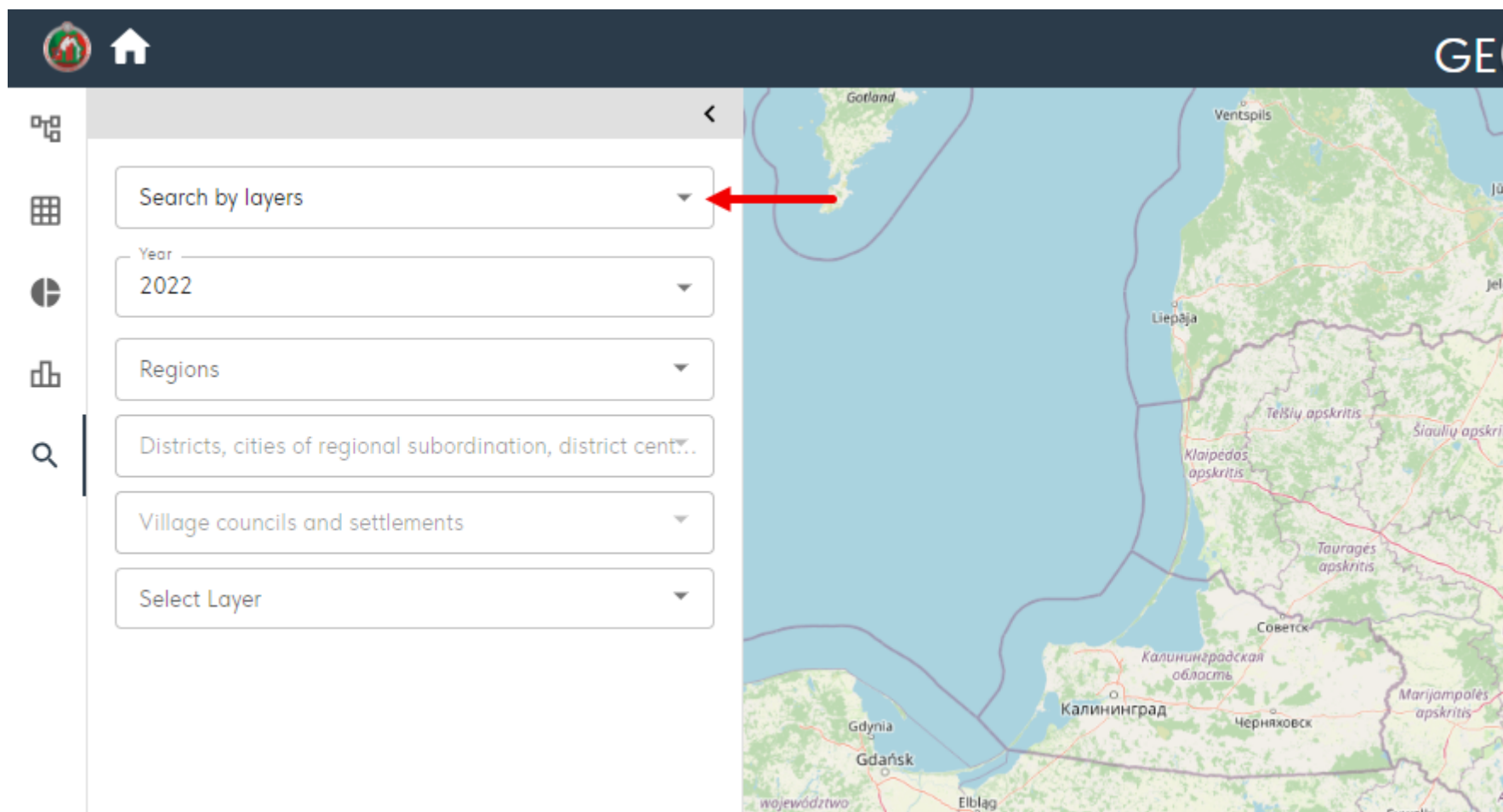
When you click on the button corresponding to the file format, the data is exported to the selected format. The file is saved on the user's local computer.

2.5. The «Search» tab

On the “Search” tab you can:

- search by layers;
- search by economic entity.

To select a search type, use the drop-down list:

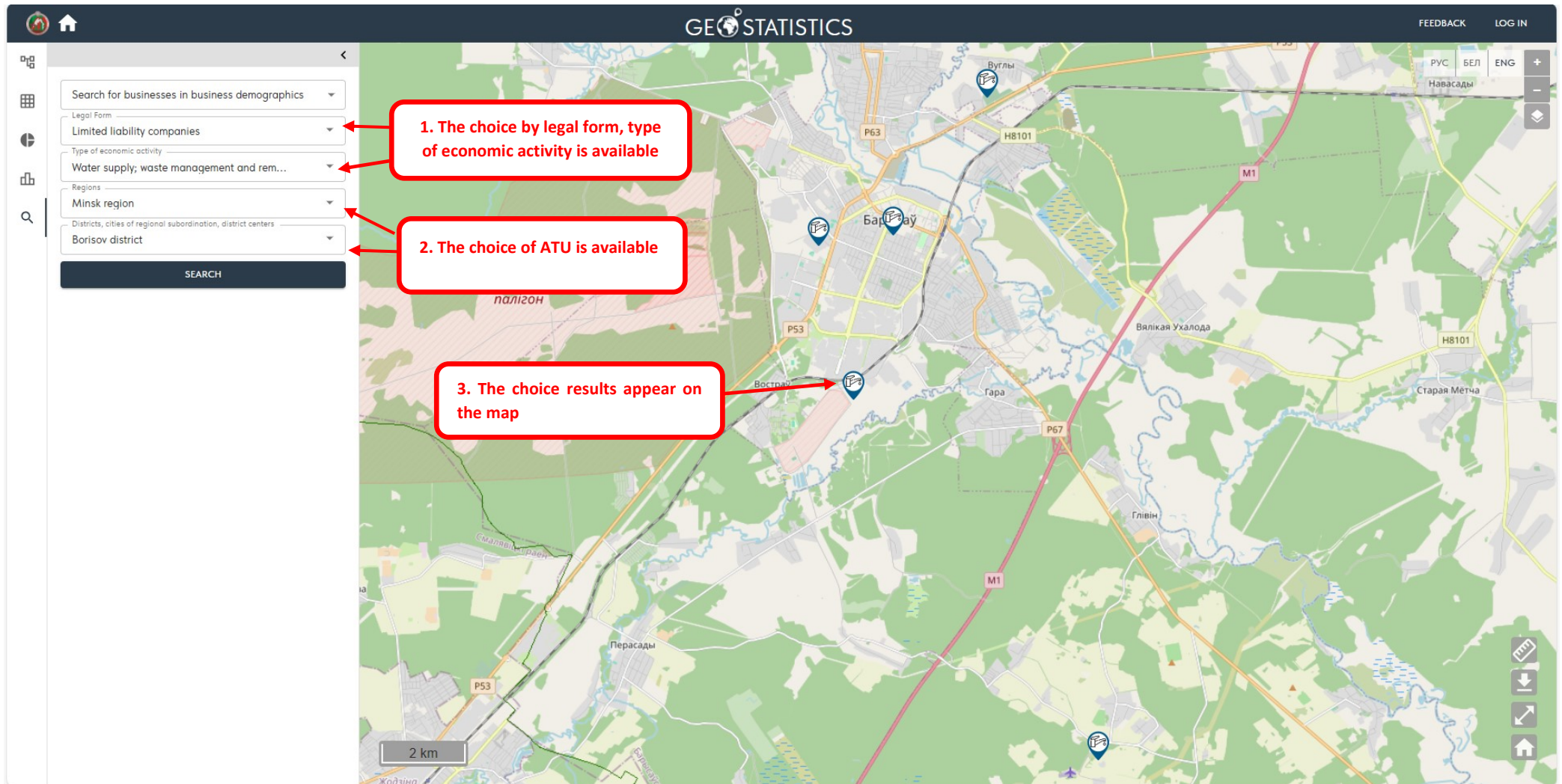


To search for a layer with OSI, you can select ATU, in this case the map will get closer to the selected ATU. You also need to enable the parameter (layer) on the map by selecting from the drop-down list:

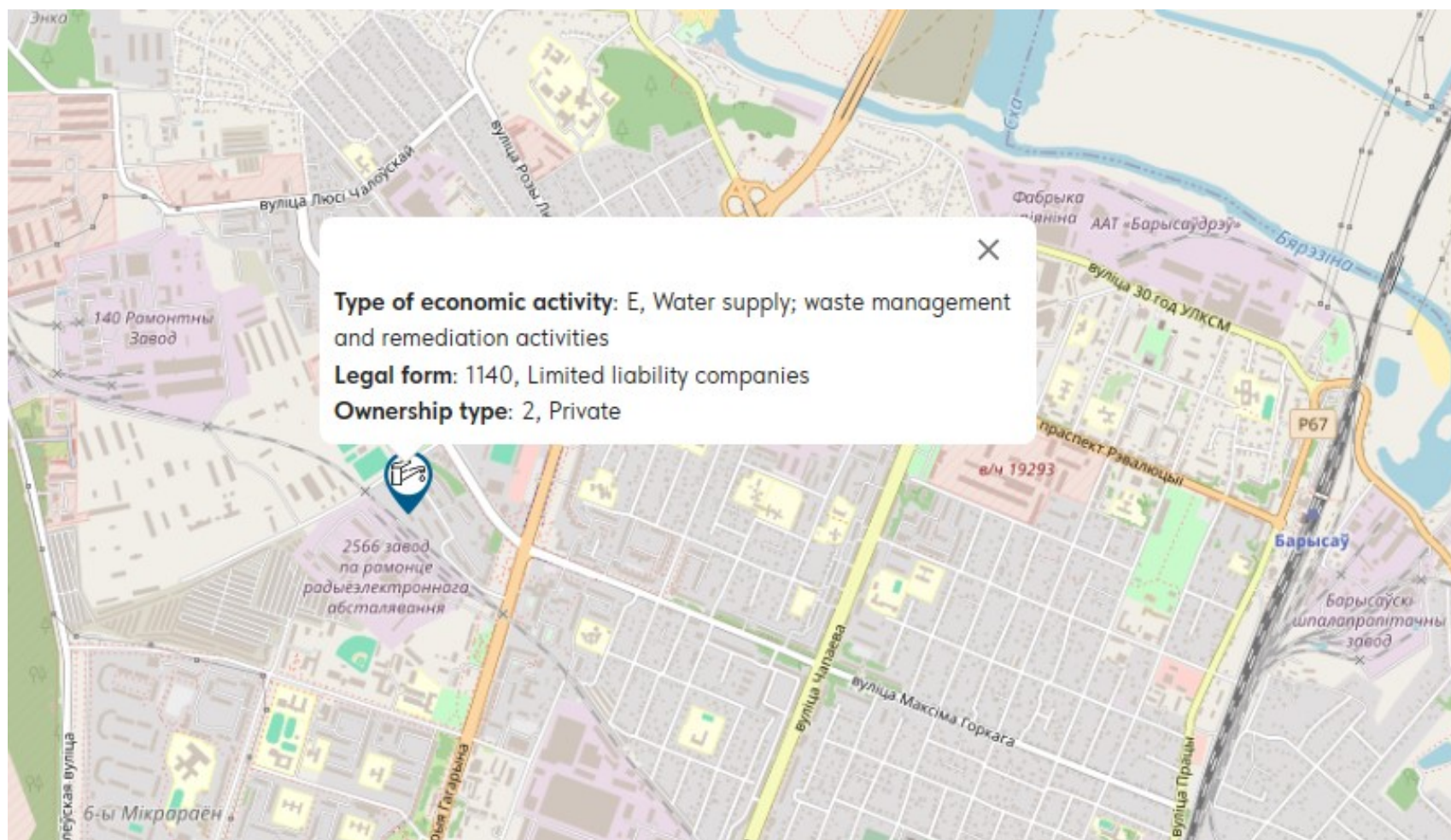


2.5.1. Search by business entity

When searching by business entity filtering is available by legal form, type of economic activity and ATU. Only business entities that match the entered search query will be displayed on the map:

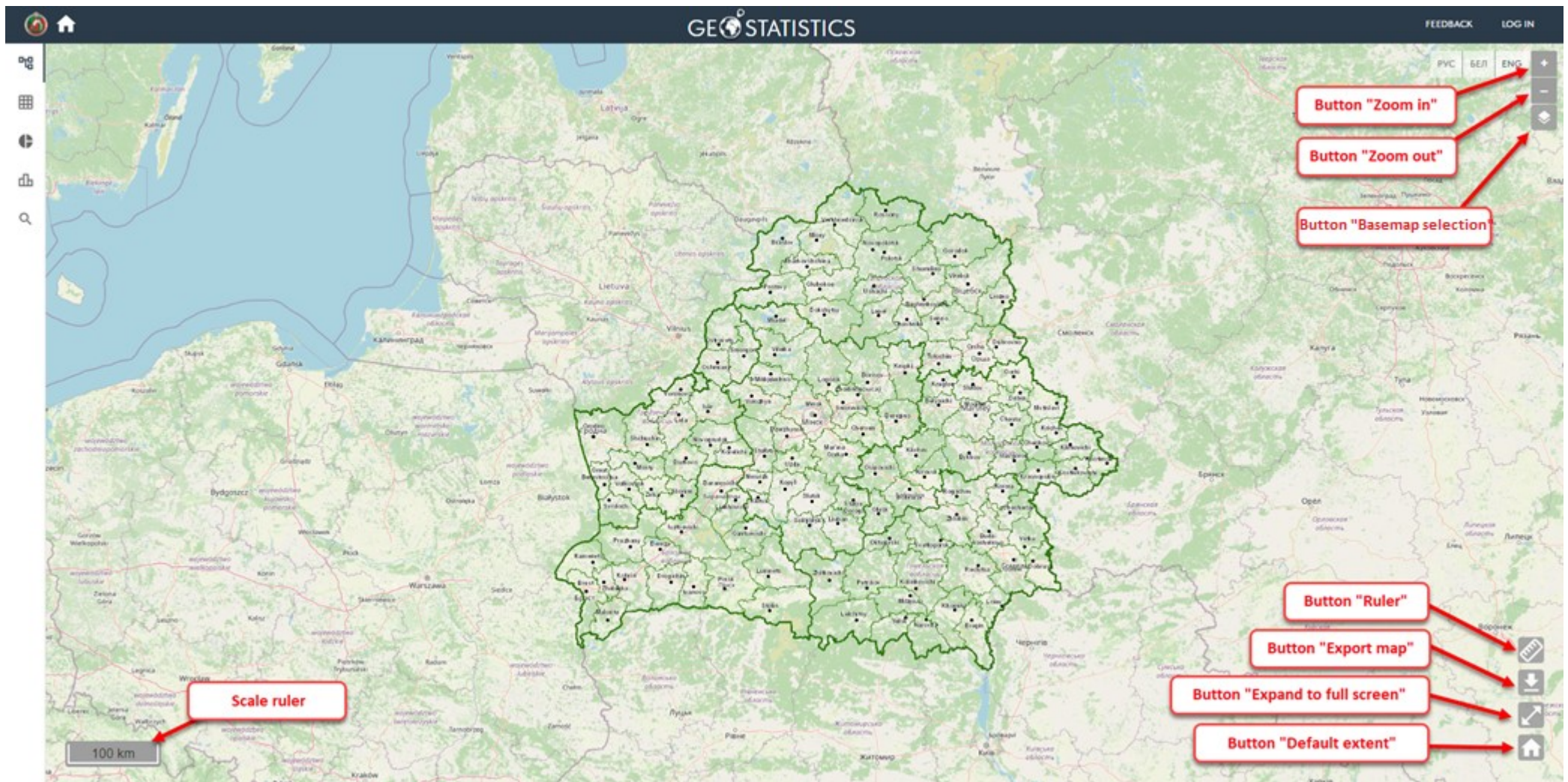


When you click on the icon of a business entity found on the map, information about it is displayed:



2.6. Map area

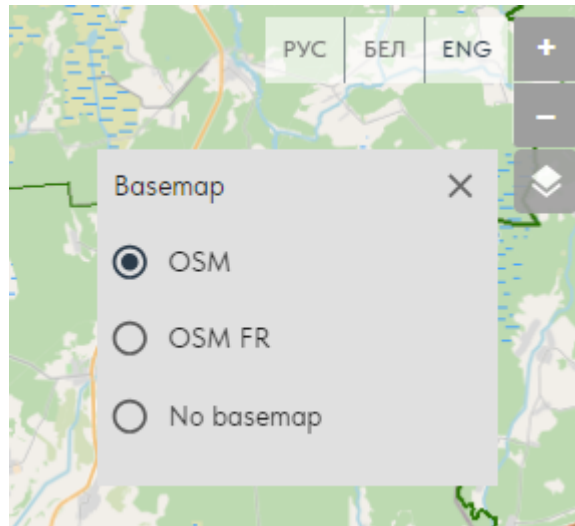
There are groups of buttons on the map that can be used to carry out operations with the map:



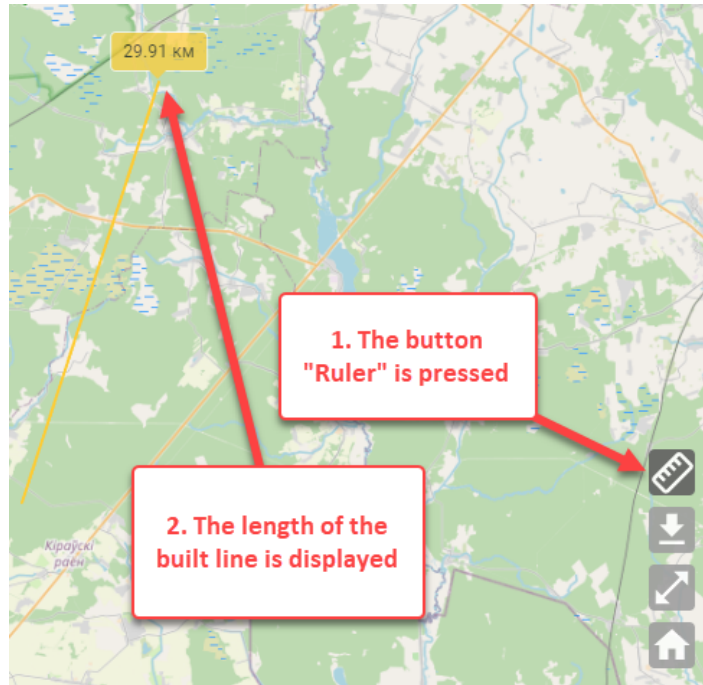
When you click on the «Zoom In» and «Zoom Out» buttons, you zoom in and out of the map.

When you click on the «Basemap selection» button, a window with three options for the basemap is displayed:

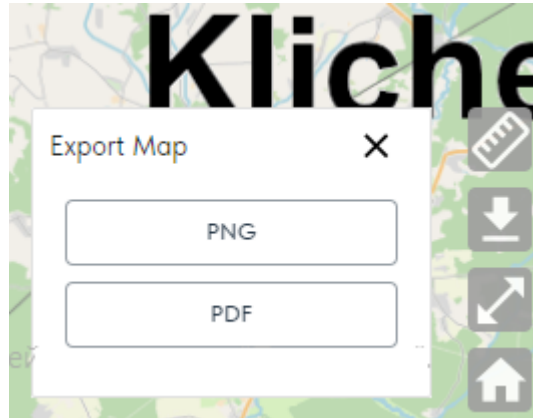
- OpenStreetMap;
- OSM FR
- No basemap.



The «Ruler» tool allows you to measure the length of a line (including a polyline) on a map:



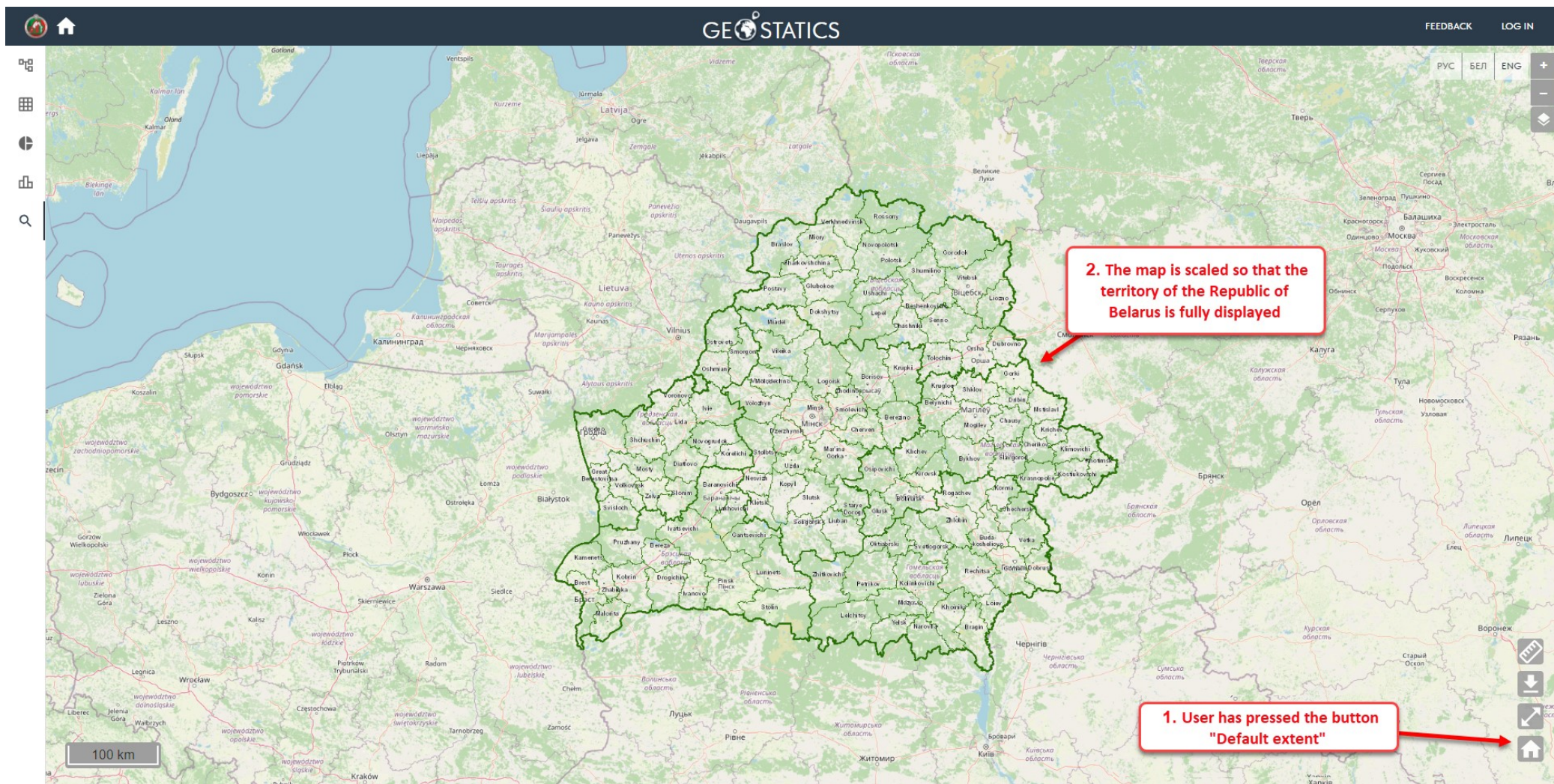
To export the visible part of the map, you must click on the «Export map» button and select the file format option for export:



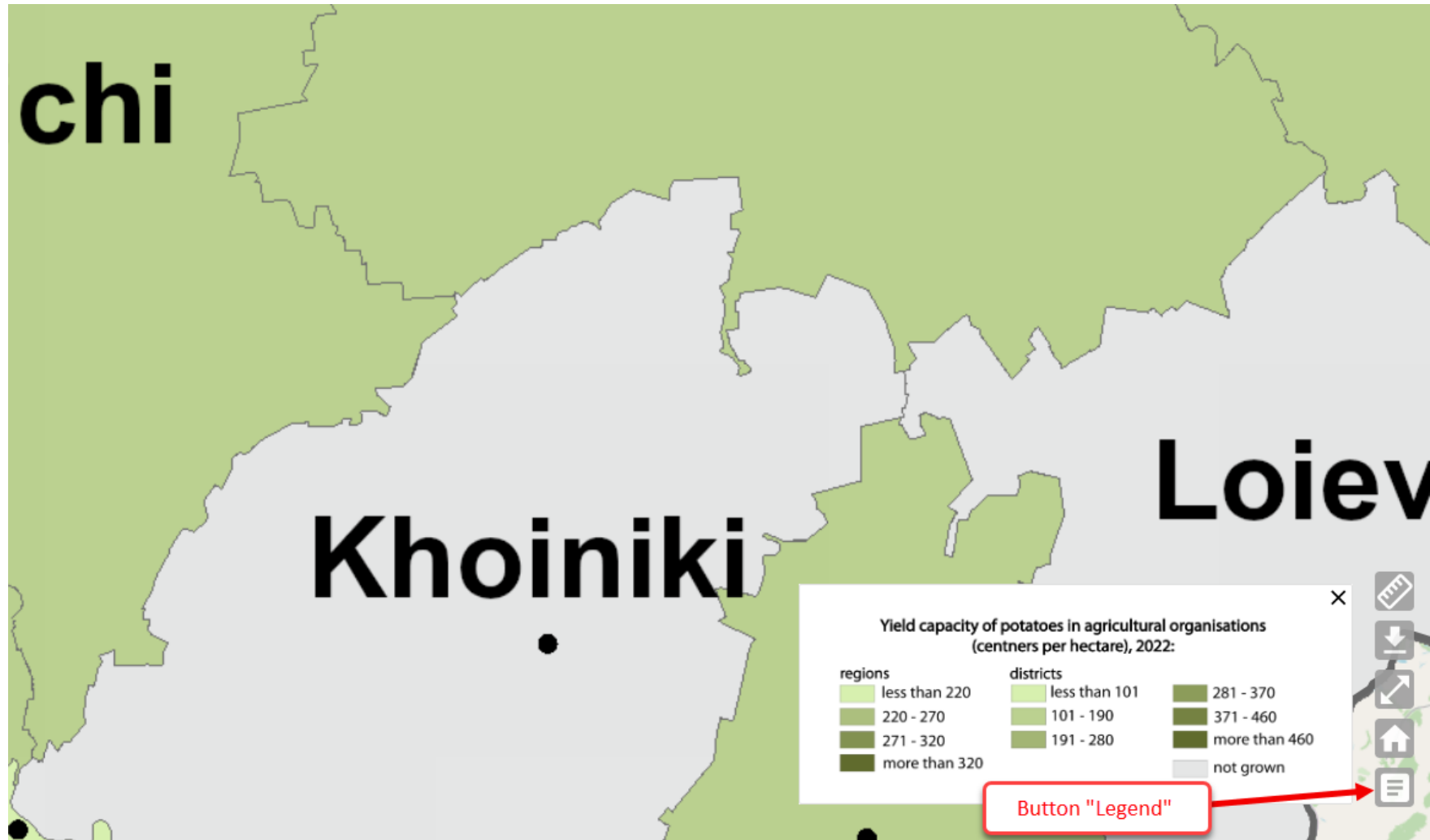
The visible part of the map will be downloaded to the user's local computer in the appropriate format.

When you click on the «Expand to full screen» button, the map will expand to full screen. The map is folded back to its original position in the same way.

When you click on the «Default extent» button, the map is scaled to the territory of the Republic of Belarus:



When a layer is turned on, the «Legend» button is displayed, through which you can turn the legend on/off:



The legend is also exported with the map when it is enabled.

Thank you for using our system!