



# WEBGIS

geographic information system

 naskom

# What is GIS

**Geographic Information System(GIS)** is a system designed to capture, store, manipulate, analyze, manage, and present spatial or geographic data.

- GIS applications are tools that allow users to create interactive queries, analyze spatial information, edit data in maps, and present the results of all these operations.
- GIS can refer to a number of different technologies, processes, techniques and methods. It is attached to many operations and has many applications related to engineering, planning, management, transport/logistics, insurance, telecommunications, and business. For that reason, GIS and location intelligence applications can be the foundation for many location-enabled services that rely on analysis and visualization.

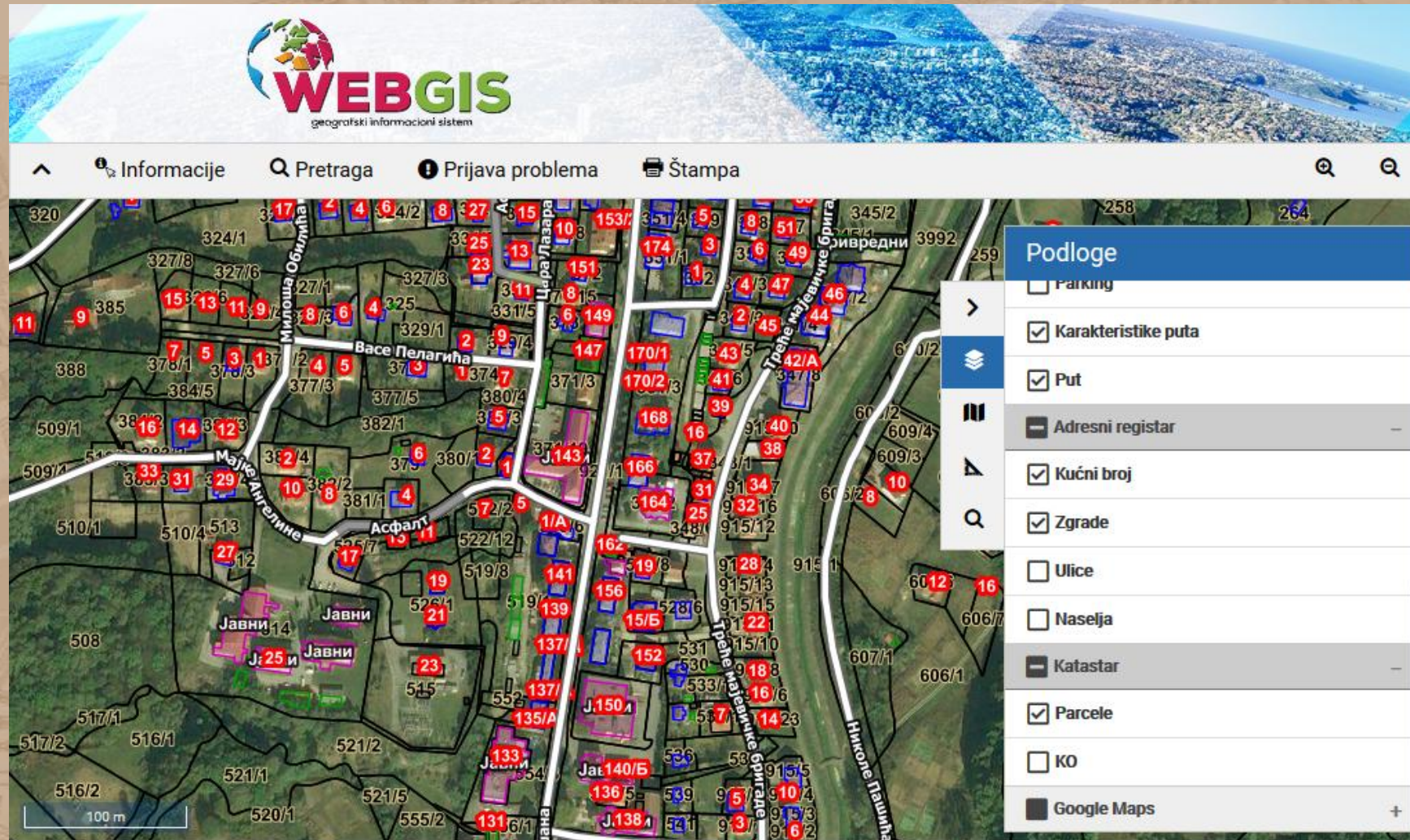


# About our software solution

- For the needs of local administrations, we have created a number of business applications / layers that allow employees to administer data in GIS in a easy and simple way.
- The solution has two separate segments. One is a functional part of GIS, which allows access to view and search of data. The second, administration part is related to the management/update, analysis and print of content by local government officials.
- Our software solution is solely our product, which means there are no additional hidden costs and limitations, such as various licenses of other commercial vendors.



# What offers our software solution?





# Basic functionality of WebGIS:

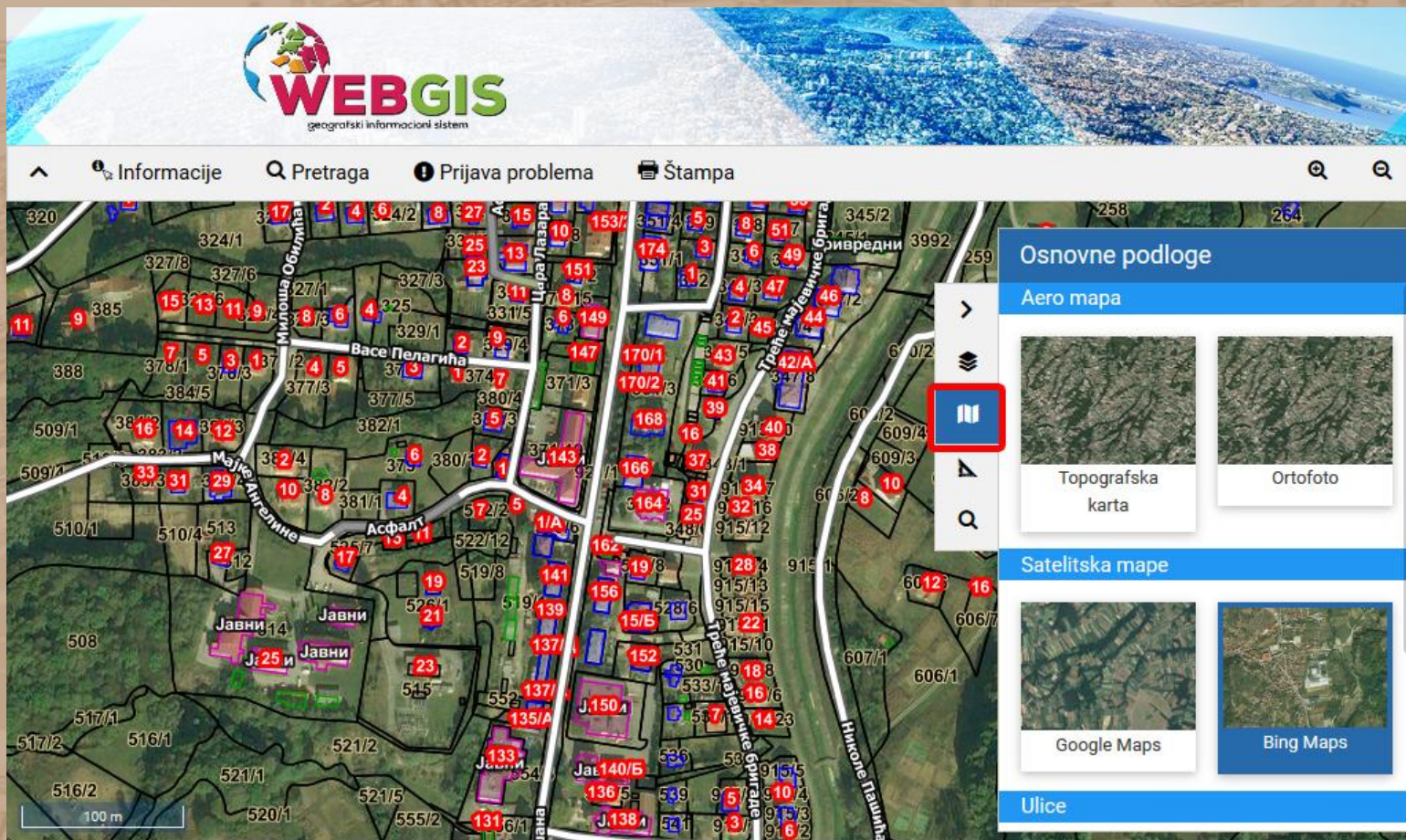
- Display geographic information on a map
- Search by selected criteria
- Data analysis
- Administration of graphic geographic objects and its properties

# Functional review of GIS (Supported layers)

- Report communal problems / Record communal issues (Utility service)
- Useful locations (Ambulances, Pharmacies, Shops, Banks, Sports facilities...)
- Educational centers (Preschools, Elementary/Secondary schools, Universities)
- Street lights (Lighting line, Bulbs)
- Water supply (Pipelines, Hydrants, Manholes)
- Sewerage system (Pipelines, Manholes)
- Traffic infrastructure (Roads, Type of roads, Parking lots, Bridges)
- Address register (Settlements, Streets, Buildings, House numbers)
- Cadaster (Parcel numbers)
- Urbanism (Construction permits, Approvals, Legalization)
- Economy (Business register, Brownfield, Greenfield)
- Agriculture (Concessions, Forests, Type of sown area...)
- Cemeteries
- Spatial plans (Industry, Centers of settlement, Sport, Tourism...)
- and other.



# View supported base layers



- Ortofoto (Aero recordings),
- Topographic maps,
- Google maps,
- Bing maps,
- Open street maps ...



# Tool for measuring surface and distance

The screenshot displays the WEBGIS web application interface. At the top, the logo for WEBGIS (geografski informacijski sistem) is visible. Below the logo, there is a navigation bar with options: Informacije, Pretraga, Prijava problema, and Štampa. The main area shows a satellite map of a residential area with several buildings outlined in blue. One building is highlighted with a yellow border, and its area is displayed as 218.83 m<sup>2</sup>. A red box highlights the measurement tool icon in the bottom right corner of the map. A floating panel titled 'Mjerenja' (Measurements) is open, showing two options: 'Izmjeri udaljenost' (Measure distance) and 'Izmjeri površinu' (Measure area). The 'Izmjeri površinu' option is selected, and the measured area is displayed as 218.83 m<sup>2</sup>. A button labeled 'Poništi mjerenja' (Cancel measurements) is located below the measurement result. The map also shows various plot numbers and labels like 'Стамбени' (Residential) and 'Стеле Степановића' (Stele Stepanovića).



# Options for data search

The screenshot displays the WEBGIS web application interface. At the top, the logo "WEBGIS" is shown with the tagline "geografski informacijski sistem". Below the logo is a navigation bar with links for "Informacije", "Pretraga", "Prijava problema", and "Štampa". The main content area features a satellite map of a residential area with several parcels outlined in blue. Each parcel is labeled with a number and the word "Стамбени" (Apartment). A search menu is open on the right side of the map, titled "Pretraga" and "Opcije pretraživača". The menu includes a search input field with the text "Pretraga po:" and a dropdown menu showing "Parcele". A red box highlights the search icon in the menu. Below the search input is a blue button labeled "Pronađi". The search results section is currently empty, labeled "Rezultat pretrage:". A scale bar at the bottom left of the map indicates a distance of 10 meters.



# Search engine view

Pretraga za Parcele

Vrsta zemljišta:  
Грађевинско изграђено

KO:  
-

Parcela:  
-

Površina(m<sup>2</sup>) od:  Površina(m<sup>2</sup>) do:

Пронађи Прикажи на мапи Филтрирај на мапи

Lista parcela:

	Vrsta zemljišta	KO	Parcela	Površina(m <sup>2</sup> )
1			3252	572
2			3253	3276
3			1956	1289
4			1955	641
5			3250	812
6			3254	4340



# View of a specific search result

The screenshot displays the WEBGIS web application interface. At the top, the logo for WEBGIS (geografski informacijski sistem) is visible. Below the logo, there are navigation links: Informacije, Pretraga, Prijava problema, and Štampa. The main content area shows an aerial map with a yellow-outlined parcel. Several numbered markers (50, 51, 52, 53) are placed on the map, indicating specific points of interest. A search panel on the right side of the map shows the search criteria and the resulting parcel list.

**Pretraga**

**Opcije pretraživača**

Pretraga po:  
Parcele

**Q Pronađi**

**Rezultat pretrage:**

Parcele

PB: 132229

Prikaži **Filtriraj**



# Details information from a map

The screenshot displays the WEBGIS web application interface. At the top, the logo "WEBGIS" is shown with the tagline "geografski informacijski sistem". Below the logo, a navigation bar contains several menu items: "Informacije" (highlighted with a red box), "Pretraga", "Prijava problema", and "Štampa".

The main area features a satellite map of a rural area with parcel boundaries. A large parcel is outlined in yellow. Several parcels are marked with red numbers in blue boxes: 50, 51, 52, and 53. Other parcel numbers visible on the map include 300, 297, 298, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, and 1754. A scale bar at the bottom left indicates 50 meters.

On the right side, a search panel is open. It has a title "Pretraga" and a sub-section "Opcije pretraživača". Under "Pretraga po:", the search criteria is set to "Parcele". A "Pronađi" button is visible. Below this, the search results are displayed as "Rezultat pretrage:" followed by "Parcele" and a dash. The panel also shows "PB: 132229" and a row of icons for "Prikaži", "Filtriraj", and a close button.



# Details information from a map

Informacija

Parcele

**Vrsta zemljišta:**  
Грађевинско изграђено

**Katastarska opština:**  
-

**Parcela:**  
371

**Broj:**  
371

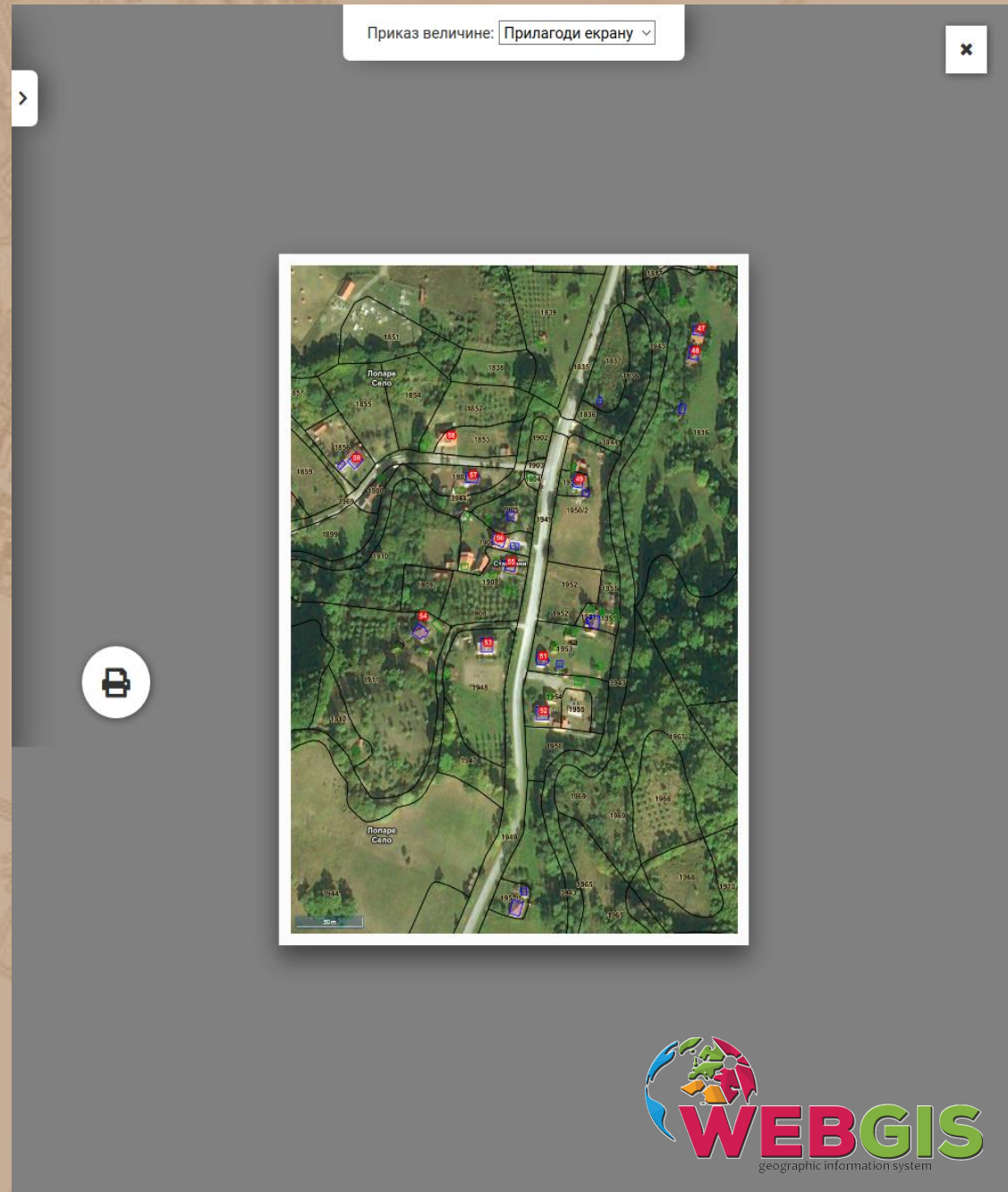
**Podbroj:**  
0

**Površina:**  
5956

✕ Излаз



# Map print option





# Option to report a specific problem



The image shows a screenshot of the 'Prijava problema' (Report Problem) form. The form is titled 'Prijava problema' and contains the following fields:

- Име подносиоца пријаве: (Name of the reporter)
- Контакт телефон подносиоца: (Contact phone number of the reporter)
- Тип проблема: (Type of problem) - dropdown menu with a '-' symbol
- Назив проблема: (Name of the problem)
- Опис проблема: (Description of the problem) - large text area

At the bottom of the form, there are two buttons: 'Сачувај' (Save) and 'Издај' (Exit).



# Administration of GIS

The screenshot displays the WEBGIS web application interface. At the top, there is a navigation bar with the following items: "Informacije", "Pretraga", "Prijava problema", "Štampa", and "Export KML". Below the navigation bar is a map showing an aerial view of a residential area with various buildings and infrastructure. A red box highlights a dropdown menu labeled "Odaberi sloj za editovanje". The sidebar on the right contains a "Podloge" (Layers) menu with the following items:

- Prijavljeni problemi +
- Rasvjeta +
- Vodovod +
- Kanalizacija +
- Saobraćajna infrastruktura +
- Adresni registar -
- Kućni broj
- Zgrade
- Ulice
- Naselja
- Katastar +
- Google Maps +

The screenshot shows the login page of the WEBGIS web application. It features the WEBGIS logo and the text "geografski informacijski sistem" and "WebGIS". Below the logo is a login form with the following fields:

- Korisničko ime
- Lozinka
- Srpski

A blue "Prijava" button is located below the form. The text "Prijava na sistem." is displayed above the form.



# Graphic administration option

The screenshot displays the WEBGIS web application interface. At the top, the logo "WEBGIS" is shown with the tagline "geografski informacijski sistem". Below the logo, a navigation bar contains links for "Informacije", "Pretraga", "Prijava problema", "Štampa", and "Export KML". A red box highlights a toolbar with a dropdown menu set to "Put" and several icons for editing and navigation. The main map area shows an aerial view of a residential area with a yellow and red line indicating a road. Labels on the map include "Мајевичких бригада", "Радомира Путника", "Цара Душана", "Цара Лазара", and "Васе Пелагића". A scale bar indicates 50 meters. On the right side, a sidebar menu titled "Podloge" lists various data layers with expand/collapse icons and checkboxes:

- Prijavljeni problemi +
- Rasvjeta +
- Vodovod +
- Kanalizacija +
- Saobraćajna infrastruktura -
- Mostovi
- Parking
- Karakteristike puta
- Put
- Adresni registar -
- Kućni broj
- Zgrade



# Graphic administration option

The screenshot displays the WEBGIS web application interface. At the top, the logo for WEBGIS (geografski informacijski sistem) is visible. Below the logo, there is a navigation bar with icons for 'Informacije', 'Pretraga', 'Prijava problema', 'Štampa', and 'Export KML'. The main area shows a map with various administrative layers overlaid. A legend on the right side, titled 'Podloge', lists the following layers:

- Vodovod +
- Kanalizacija +
- Saobraćajna infrastruktura +
- Adresni registar -
- Kućni broj
- Zgrade
- Ulice
- Naselja
- Katastar -
- Parcele
- KO
- Google Maps +

The map shows several buildings and parcels, with labels such as '198/A', '2/B', '2/A', '13', '15', '17', '19', '21', '11', '190', '186', '342/1', '342/2', '342/3', '342/4', '342/5', '342/6', '342/7', '342/22', '342/21', '342/32', '343/10', '343/9', '343/8', '343/7', '343/6', '343/1', '343/13', '343/11', '343/15', '343/17', '343/21', '344', '341/6', '345/2', '340/3', '342/32', '343/15', '344', '341/6', '343/21', '343/23', '342/27', '932/2', and '254/1'. A scale bar at the bottom left indicates 20 meters.



# Administration of the attributes of the concrete layer

Izmjena podataka

**Vlasnik:**  
Pero Peric

**Mjesto:**  
Grad

**Ulica:** Broj:

**Tip:**  
Стамбени

**KO:**  
Grad

**Parcela KČ:**  
342/1

**Površina:** 440.00 **Obim:** 94.06

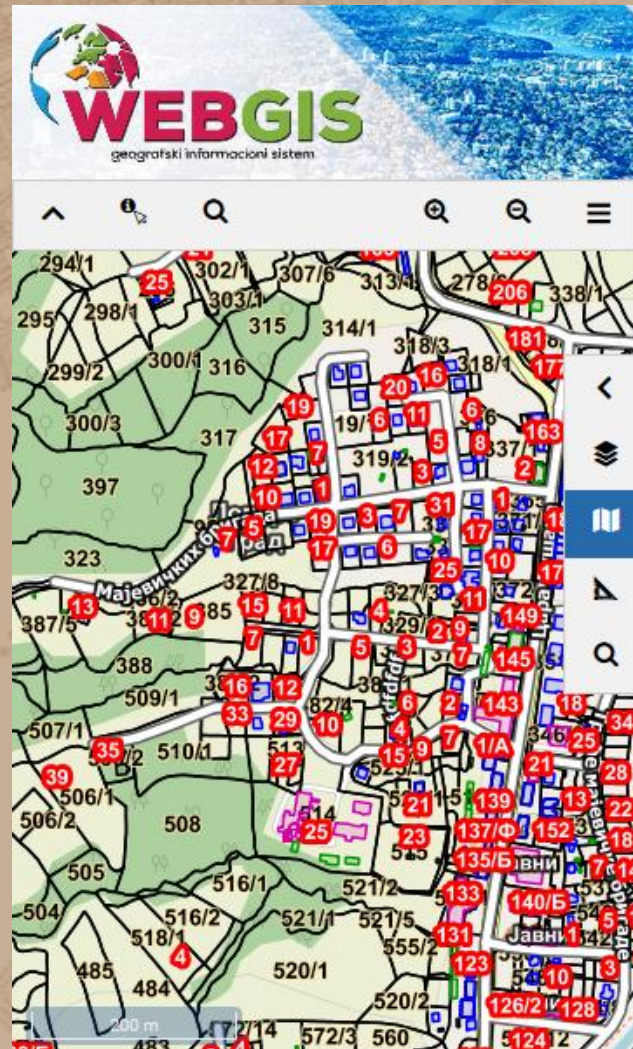
**Dužina:** 0.00 **Širina:** 0.00 **Visina:** 0.00

**Korišćenje objekta :**  
Објекат се повремено користи

Google Maps



# GIS display on mobile devices







# WEBGIS

geographic information system

*link* **S**istem

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