



GIS in Croatian Bureau of Statistics

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Keywords:

This is a story about the development and implementation of Geoinformation System in the Croatian Bureau of Statistics.

Almost a year and a half CBS is trying to develop a new application of spatial units, that would not contain alphanumeric data on spatial units of the Republic of Croatia, but also GIS component. For that reason the Croatian Bureau of Statistics has nominated and prepared a project which has to be finalized in the near future.

What has been accomplished yet? First of all, the functionalities of the application of the Statistical Register of Spatial Units and the quality of data received from the State Geodetic Agency have been improved and are still issues on which the CBS is continuously working.

In order to present the Croatian Statistical Register of Spatial Units, the presentation will give an overview of functionalities offered by the application as well as future plans on the further development of the application.

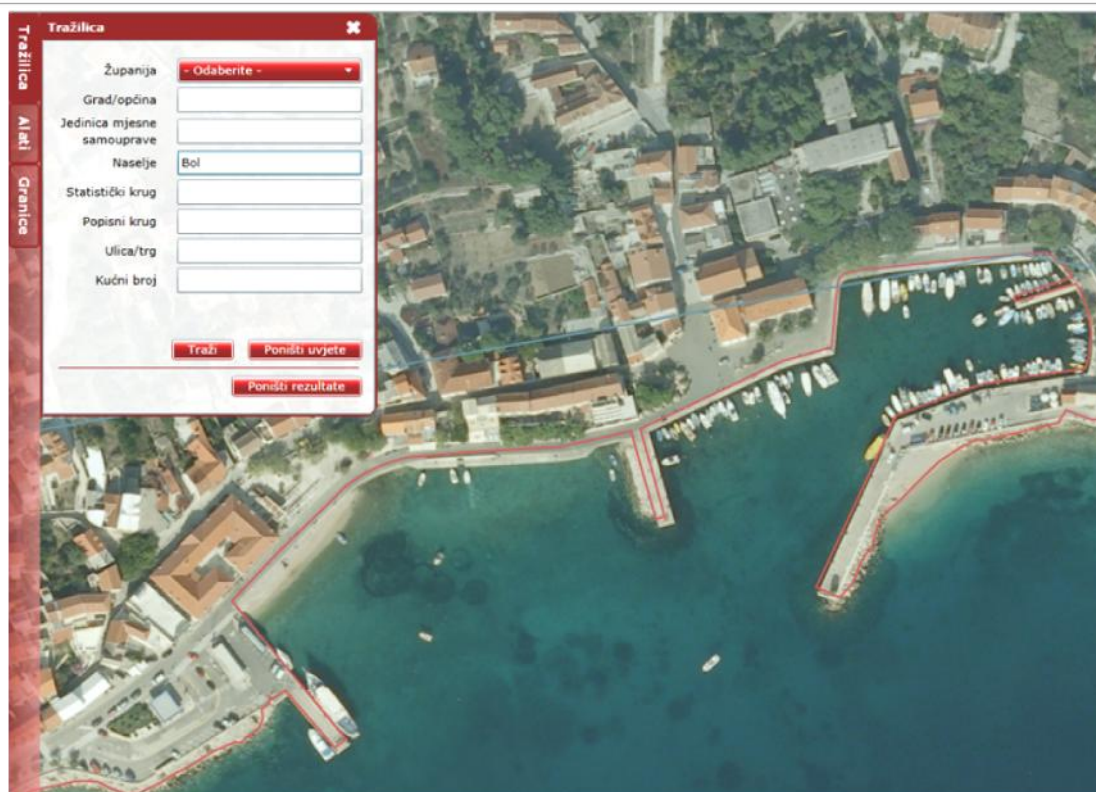
Here are some functionalities offered by the register:

- Search Engine which enables finding the spatial Units by part name within the register
- Hierarchical display of spatial units and the ability to change a particular data set
- View of changes from the historical point of view for each spatial unit
- Positioning in the application on the reference date in the past
- Export data from the Register to other formats
 - Excel, PDF, HTML, MHT, RTF, CSV
 - Printing from applications
- Group data exchange
 - highlighting the entire table and change of values for all records in one step
- Generating of predefined forms by clicking on the button

GIS

- Interactive orthophoto map at a scale of 1:5000
- Different levels of zoom
- Fast search and display of spatial units on the map
- Various interactive tools (visualization, measuring distances, show the limits of territorial units...)

Conclusion:



- The application offers the finding of spatial units by using a search engine and display of spatial units in tree view
- Advanced functionality of data filtering in tables and export of the data from the Registry
- Positioning of the application on a specific date in the past
- Display of simple changes in the spatial unit
- Display of complex changes in the spatial unit
- Content of the individual spatial units
- Display of spatial units on the map and features an interactive map

The Interactive map offers the GIS layers of good quality that could be used for future upgrade of the system i.e. for the geovisualisation of data collected through the Census of Population 2011; than integration with other CBS registers as well as other possibilities.