



## “Fundamentals of GIS and its practical application in civil engineering”, LIFE-LONG LEARNING (LLL) COURSE FOR PROFESSIONALS, UNIVERSITY OF SARAJEVO



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The Faculty of Civil Engineering at the University of Sarajevo held an LLL course entitled “**Fundamentals of GIS and its practical application in civil engineering**”.

LLL course was conducted for employees of Public Company “Ceste FBiH” Sarajevo.

This LLL course offers the skills to use GIS software in a professional environment successfully.

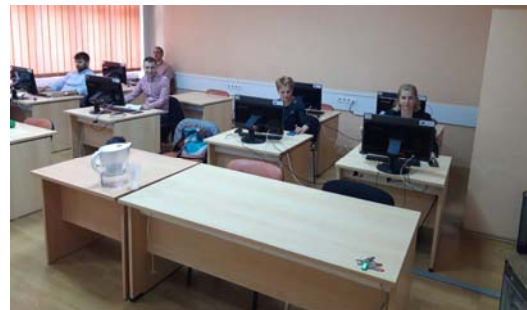


*GEOBIZ LLL course, Sarajevo 2021, The first day*

The course provides basic information related to GIS - what is GIS and what can be done with

it. The attendees were introduced to the basic functions of GIS, interface, map creation, spatial data models and databases in which they are stored. The course is intended for everyone who has no previous experience with GIS tools and needs it in everyday business course was architects, civil engineers, urban planners / spatial planners, and geologists.

The aim was to learn how to analyse the spatial data, use cartography techniques to communicate the results in maps, and collaborate with peers in GIS and GIS-dependent fields. Finally, the aim was to learn how to create a professional-quality GIS portfolio piece using a combination of data identification and collection, analytical map development, and spatial analysis techniques.



*GEOBIZ LLL course, Sarajevo 2021 – The second day*

The course consisted of three Modules. The first two Modules lasting two hours each included theoretical knowledge of GIS and spatial data infrastructure. The third Module, lasting 8 hours, covered exercises on practical examples from practice.

The lifelong learning course was held in three days, 21-10-2021, 22-10-2021 and 26-10-2021, at the Faculty of Civil Engineering, University of Sarajevo.

Business driven problem-based learning for  
academic excellence in geoinformatics / GEOBIZ

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At the end of the course, participants were able to: handle GIS tools, map and visualize, create and supplement geospatial databases, georeference different cartographic bases, create maps and layouts, perform spatial analysis with collected geodata.

The LLL course participants gained a basic knowledge of SDI and the application of the QGIS program to their professional field to use that knowledge and advance their professional development.



*GEOBIZ LLL course, Sarajevo 2021, The third day*

At the end of the course, participants gained a certificate.

**Trainer:** Assoc. prof. Suada Sulejmanović.

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