



Decision making theory, technology and practice

scientific seminar

Fundamentals of GIS

Learning QGIS and Cartographic Skills
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Workshop info

QGIS or Quantum GIS is a cross-platform free and open source GIS application that provides data viewing, editing and analysis. This 2 day course will teach you how to create attractive, informative maps using QGIS

Target group	This course is targeted at those who have no or have basic GIS experience
Language:	Serbian
Dates&Time:	May 9-10, 2017 / 11:00-20:00h
Venue:	Computation Intelligence and Information Technologies Laboratory – CIITlab, Faculty of Electrical Engineering, University of Niš
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Day 1.

- Installing open source QGIS software using internet platform
- Manipulating with different kind of geospatial data (GeoTiff, Shp, CSV, KML, etc.).
- Differences between vector and raster data
- Georeferencing of maps with some different methods.
- The system of coordinates, projections and datum's.
- Manipulating with tools for painting (points, lines and areas)
- Questions and remarks

Day 2.

- The course will teach you how to create attractive, informative maps using QGIS.
- Extending your skills in the Print Composer
- Creating simple maps
- Grid functions
- Creating complex maps (including multiple overviews, multiple page design, expression based text and kml frames)
- Introduction to advance QGIS course
- Questions and remarks





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Some marked and recommended references:

A. Valjarević, D. Živković, D. Valjarević, V. Stevanović, J. Golijanin, The Scientific World Journal, “GIS analysis of land cover changes on the territory of the Prokuplje municipality”, vol.12, pp.1-8, (2014). doi: <http://dx.doi.org/10.1155/2014/805072>. Link: <http://www.hindawi.com/journals/tswj/2014/805072/>

A.Valjarević,D.Srećković-Batočanin, D.Živković, M.Perić, (2015): GIS analysis of dissipation time of landscape in the Devil's city (Serbia), Acta Montanistica Slovaca, Vol. 20, No 2, pp. 148-155. link: <http://actamont.tuke.sk/pdf/2015/n2/9valjarevic.pdf>

A. Valjarević, D. Živković, “GIS & Sattelite detection of forest belt in Prokuplje municipality”, Technical Gazette, vol.23, no.4, (2016) doi:10.17559/TV-201402222204458, ISSN online 1848-6339, ISSN print 1330-3651.

A.Valjarević, D.Vukojičić, D.Valjarević, (2017): Econometric Evaluation of the Resources of the Lukovo Spa and Its tourist potential, Tourism Management Perspectives. 22, pp. 7-16. <http://dx.doi.org/10.1016/j.tmp.2016.12.004>.

Journal submitted for publications

A.Valjarević, Z.Stanojević-Ristić, D.Valjarević, T.Djekić, R.Ivanović, N.Milošević, J.Živković, S. Krsmanović (2017): Geo-spatial GIS analysis of the health facilities in the city of Belgrade (Serbia). BMC Health Services Research.

A.Valjarević, D. Srećković-Batočanin, D.Valjarević,V.Matović, (2017): A GIS based method for analysis of energy capacity and efficiency of thermo-mineral springs in the municipality of Kuršumlija (Serbia) Renewable and sustainable energy review journal

A.Valjarević, D.Živković, M. Segan, (2016): How large the Oecumene of the Mediterranean was in Antiquity, Mediterranean Historical Review.

