


PERSONAL DETAILS

Name and SURNAME:	Milan KILIBARDA	
Date of Birth:	August 15 th , 1983	
Address:	Dragoslava Srejevica 90g, 11000 Belgrade, Serbia	
Nationality:	Serbian /Montenegrin	
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EDUCATION

2002-2007	Faculty of Civil Engineering, Department of geodesy and geoinformatics, University of Belgrade, Belgrade, Serbia
2007 - 2013	PhD academic study, Department of geodesy and geoinformatics, University of Belgrade, Belgrade, Serbia DOCTORAL DISSERTATION: <i>Automated Mapping of Climatic Variables Using Spatio-Temporal Geostatistical Methods</i>
16-22 December 2008	GEOSTAT 2008 course for PhD students, University of Belgrade, Lecturer: Tomislav Hengl
27 June - 4 July 2010	Plasencia, Spain: <u>GEOSTAT 2010 Summer School</u> for PhD students; Lecturers: Roger Bivand; Edzer Pebesma; Gerard Heuvelink; Olaf Conrad; Markus Metz; Tomislav Hengl

INVOLVEMENT IN RESEARCH

April 2008 – December 2010	Research project: Developing the software system for adjustment and analyses geodetic networks in surveying, Serbian Ministry of Science and Technical Development, project No: TR 16015
April 2009 - April 2011	Research project: Preparation of the methodology proposal for preliminary flood risk mapping in accordance to the Directive 2007/60/EC of the European Parliament and of the Council of 23 October 2007 on the assessment and management of flood risks; Serbian Ministry of Science and Technical Development, project No: TR 22202
January 2011-present	Research project: Spatial, ecological, energetic and social aspects of settlement development and climate changes - mutual influence; Serbian Ministry of Science, project No: TR36035
June 2014- June 2015	METEO package -methodological/software solution for automated mapping of climatic variables , funded by the Ministry of Education and Science of the Republic of Serbia References

WORKING EXPERIENCE AND PRACTICAL TRAINING

2014-present	Assistant professor in field of Cartography, Faculty of Civil Engineering, Department of geodesy and geoinformatics, University of Belgrade
2008- 2014,	Teaching assistant in field of Cartography, Faculty of Civil Engineering, Department of geodesy and geoinformatics, University of Belgrade
2012-2013	iSCOPE- Interoperable Smart City services through

	an Open Platform for urban Ecosystems (<i>co-funded by the CIP-ICT Policy Support Programme as part of the Competitiveness and innovation Framework Programme by the European Community, contract number 297284</i>)
2012-2013	eEnviPer - A single multi-purpose SOA platform that delivers environmental permissions services through the cloud of e-Government services and applications (<i>co-funded by the CIP-ICT Policy Support Programme as part of the Competitiveness and innovation Framework Programme by the European Community, contract number 297358</i>)
2007-2008	<i>CORINE Land Cover mapping in Serbia</i> (<i>funded by the European Commission</i>)
January - July, 2007	Student assistant: Cartography 1, Cartography 2, Theoretical Geodesy
July- November 2006	Practical training: Ingenieurgesellschaft Prof. Dr.-Ing. E. Macke mbH, Braunschweig, Germany

Papers published in journals:

1. Kilibarda, M.; Tadić, M. P.; Hengl, T.; Luković, J. & Bajat, B. (2015), 'Global geographic and feature space coverage of temperature data in the context of spatio-temporal interpolation', *Spatial Statistics*.
2. Luković, J.; Blagojević, D.; Kilibarda, M. & Bajat, B. (2015), 'Spatial pattern of North Atlantic Oscillation impact on rainfall in Serbia', *Spatial Statistics*.
3. Burić, D.; Luković, J.; Bajat, B.; Kilibarda, M. & Ducić, V. (2015), 'Recent trends in daily rainfall extremes over Montenegro (1951–2010)', *Natural Hazards and Earth System Sciences Discussions* **3**(4), 2347--2377.
4. Kilibarda, M.; Hengl, T.; Heuvelink, G.; Graeler, B.; Pebesma, E.; Percec Tadić, M. & Bajat, B. (2014), 'Spatio-temporal interpolation of daily temperatures for global land areas at 1 km resolution', *Journal of Geophysical Research: Atmospheres*.
5. Luković, J.; Bajat, B.; Blagojević, D. & Kilibarda, M. (2014), 'Spatial pattern of recent rainfall trends in Serbia (1961–2009)', *Regional Environmental Change* **14**(5), 1789--1799.
6. Bajat, B.; Blagojević, D.; Kilibarda, M.; Luković, J. & Tosić, I. (2014), 'Spatial analysis of the temperature trends in Serbia during the period 1961–2010', *Theoretical and Applied Climatology*, 1--13.
7. Čujić, M.; Dragović, S.; Sabovljević, M.; Slavković-Beskoski, L.; Kilibarda, M.; Savović, J. & Onjia, A. (2014), 'Use of mosses as biomonitors of major, minor and trace element deposition around the largest thermal power plant in Serbia', *CLEAN–Soil, Air, Water* **42**(1), 5--11.
8. Kilibarda, M.; Bajat, B. & Branisavljević, N. (2014), 'Laboratory for development of open source geospatial technologies–role in education and research', *Geonauka* **2**(2), 6--11.
9. Dragović, S.; Čujić, M.; Slavković-Beskoski, L.; Gajić, B.; Bajat, B.; Kilibarda, M. & Onjia, A. (2013), 'Trace element distribution in surface soils from a coal burning power production area: A case study from the largest power plant site in Serbia', *Catena* **104**, 288--296.
10. Bajat, B.; Krunic, N.; Samardzić-Petrović, M. & Kilibarda, M. (2013), 'Dasymetric modelling of population dynamics in urban areas', *Geodetski vestnik* **57**(4), 777--792
11. Kilibarda, M. & Bajat, B. (2012), 'plotgooglemaps: The r-based web-mapping tool for thematic spatial data', *Geomatica* **66**(1), 37--49.
12. Protić, D.; Kilibarda, M. & Nestorov, I. (2012), 'Kartiranje međa poljoprivrednih parcela super rezolucijom na temelju lokaliziranoga parcijalnog razdvajanja', *Geodetski list* **66**(4), 259--271.
13. Bajat, B.; Hengl, T.; Kilibarda, M. & Krunic, N. (2011), 'Mapping population change index in Southern Serbia (1961–2027) as a function of environmental factors', *Computers, Environment and Urban Systems* **35**(1), 35--44.
14. Krunic, N.; Bajat, B.; Kilibarda, M. & Tosić, D. (2011), 'Modelling the spatial distribution of Vojvodina's population by using dasymetric method', *Spatium*(24), 45--50.
15. Bajat, B.; Krunic, N.; Kilibarda, M. & Samardzić-Petrović, M. (2011), 'Spatial modelling of population concentration using geographically weighted regression method', *Journal of the*

Geographical Institute Jovan Cvijic, SASA **61**(3), 151--167.

16. Kilibarda, M.; Protić, D. & Nestorov, I. (2010), 'Application of Google Maps API service for creating web map of information retrieved from CORINE land cover databases', *Glasnik Srpskog geografskog društva* **90**(4), 103--114.

Chapter in monography:

1. Krunic, N.; Bajat, B. & Kilibarda, M. (2015), Dasymetric Mapping of Population Distribution in Serbia Based on Soil Sealing Degrees Layer'Surface Models for Geosciences', Springer International Publishing, , pp. 137--149.
2. Kilibarda M., Samardžić M., Bakić O., Stevanović Stojanović J., Krunic N., Bajat B.,2010. Application of AJAX and Google Maps API technology in web cartography - example of a general urban plan of Vrnjačka Banja. In: Mila Pucar, Boško Josimović eds: SUSTAINABLE DEVELOPMENT SPA AND TOURIST SETTLEMENTS, Special edition IAUS, Vol.64, pp. 267-302. ISBN 978-86-80329-66-6 (in serbian)
3. B. Bajat, N. Krunic, M. Kilibarda, M.Samardžić-Petrović, (2011) Dasimetrijsko modelovanje naseljenosti za potrebe izrade prostornih planova.Monografija: Obnova strateškog prostornog mišljenja, istraživanja i upravljanja u Srbiji-Knjiga 1, Institut za arhitekturu i urbanizam Srbije, s.151-184. UDK:007:711.13]:004(497.11)007:528.9]:004(497.11) ISBN 978-86-80329-70-3. -(poglavlje u monografiji). (M44)

Conference papers:

1. B. Bajat, M.Kilibarda, Milutin Pejović, M.Samardžić-Petrović (2012) Spatial Hedonic Modelling of Dwelling Location Prices Using Auxiliary Maps, CD Proceedings of RSAI 9th Congress, 9-12 May 2012, Timisoara, Romania
2. Bajat, B., Krunic, N., Bojovic, M., Kilibarda, M., Kovacevic, Z. (2011) Population vulnerability assessment in hazard risk management: A dasymetric mapping approach, Monitoring and analyses for disaster mitigation of landslides, debris flow and floods - book of proceedings ,pp.167-170 ,ISBN 978-953-6953-30-1
3. M.Kilibarda, Z. Radić, B.Bajat (2011) Plotgooglemaps – A Simple Solution for Geological Survey Web Mapping ,Proceedings of MAEGS-17 Geology in Digital Age, 14th-16th September 2011, Belgrade, Serbia. pp 9-12. ISBN: 978-86-86053-10-7
4. B.Bajat, N. Krunic, M.Kilibarda, (2011) Dasymetric mapping of spatial distribution of population in Timok Region, Proceedings of International Scientific Conference Professional Practice and Education in Geodesy And Related Fields, 24th-26th Jun 2011, Kladovo, Serbia. pp 30-34. ISBN: 978-86-7518-135-4
5. Milan Kilibarda, Milutin Pejović (2011), Application of opensource/free software (R + Google Earth) in designing 2D geodetic control network, Proceedings of International Scientific Conference Professional Practice and Education in Geodesy And Related Fields, 24th-26th Jun 2011, Kladovo, Serbia. pp 216-221. ISBN: 978-86-7518-135-4,
6. Ivan Nestorov, Dragutin Protić, Milan Kilibarda (2011) Towards energy-efficient society: an example of “smart city service”, Proceedings of International Scientific Conference Professional Practice and Education in Geodesy And Related Fields, 24th-26th Jun 2011, Kladovo, Serbia. pp 117-121. ISBN: 978-86-7518-135-4
7. Bajtat, B. , Krunic, N. , Kilibarda, M., Samardžić-Petrović, M., 2011. Spatial Prediction of Human Population Change. Short paper submission at AGILE 2011.
8. Bajtat, B. , Krunic, N. , Kilibarda, M. : Prediction Model Of Spatial Population Distribution By Using Geostatistics, Thematic Proceedings of Conference of Regional development, spatial planning and strategic governance, 7- 8 December 2009, Belgrade, Vol.1 pp.319-340. ISBN 978-86-80329-61
9. Ivan Nestorov, Dragutin Protic and M. Kilibarda: Current Cartography Projects in Serbia and their Prospective Implications on Development of the National Cartography, ICA Symposium on Cartography for Central and Eastern Europe, Wien 2009
10. Ivan Nestorov, Dragica Zivkovic, Dragutin Protic and M. Kilibarda: Academic Cartographic Education in Serbia, ICA Symposium on Cartography for Central and Eastern Europe, Wien 2009

11. Protic, D., Nestorov, I., Kilibarda, M. : The Implementation of Corine Land Cover 2006 Update Project in Serbia and its Consequences, INTERGEO-EAST, Belgrade 2008
12. Kilibarda, M. , Protic, D., Nestorov, I. : The Possibility of Use Geographical Information in Control of Subsidies in Agricultural Policy in Republic of Serbia, INTERGEO-EAST, Belgrade 2008

Abstracts:

1. Dasymetric Modeling of Spatial Distribution and Daily Fluctuation of Population / N. Krunić, M. Kilibarda, B. Bajat // Symposium GIS Ostrava 2011, CD Proceedings, 24th - 26th January 2011, Ostrava, ISBN 978-80-248-2366-9
2. AJAX Technology and Google Maps API Services in WEB Cartography / M. Samardžić Petrović, M. Kilibarda, B. Bajat, N. Krunić, // Symposium GIS Ostrava 2011, CD Proceedings, 24th - 26th January 2011, Ostrava, ISBN 978-80-248-2366-9

Published software package:

R software package, June 2015: meteo - Spatio-temporal geostatistical mapping of meteorological data.
R software package, December 2010: plotGoogleMaps -The package produces HTML output with Google Maps as base map and costume layer (layers). The package provide easy creation of rich web map from small spatial data set.