PERSONAL DETAILS		
Name and SURNAME:	Milan KILIBARDA	
Date of Birth:	August 15 th, 1983	
Address:	Dragoslava Srejovica 90g, 11000 Belgrade, Serbia	
Nationality:	Serbian /Montenegrin	
Telephone:	(Mobile) +38164 229 7527 (Landline) +38111 3218 630	
e-mail:	kili@grf.bg.ac.rs, milan.kili11@gmail.com	

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: *Automated Mapping of Climatic Variables Using Spatio-Temporal Geostatistical Methods*

WORK EXPERIENCE	
2014-present	Assistant professor in field of Cartography, Faculty of Civil Engineering, Department of geodesy and geoinformatics, University of Belgrade, http://www.grf.bg.ac.rs/fakultet/pro/e?nid=168
2014- present	Head of Laboratory for development of the open source geospatial technologies, http://osgl.grf.bg.ac.rs/
2015- present	Vice dean for research, Faculty of Civil Engineering, University of Belgrade
May 2013- June 2013	Guest researcher at ISRIC World Soil Information. Project: http://www.worldgrids.org/
2008- 2014,	Teaching assistant in field of Cartography, Faculty of Civil Engineering, Department of geodesy and geoinformatics, University of Belgrade
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

INVOLVEMENT IN RESEARCH AND PROJECTS	
2017 – present	Implementation of web GIS services for ISRIC – World Soil Information, web-mapping services, metadata catalog for GIS data, REST services for soil maps: http://data.isric.org, http://data.isric.org/geoserver, https://rest.soilgrids.org/, https://www.soilgrids.org
2016 - present	APOLLO - Advisory platform for small farms based on earth observation / H2020 EO 687412 , http://apollo-h2020.eu/
May– June 2016	Serbia National Disaster Risk Management Program: Open Data for Resilience Initiative (OpenDRI) / Short Term Consultant -World Bank Group
January - July 2016	External expert for Danube Reference Data and Service Infrastructure – DRDSI (Serbian pilot) project. http://drdsi.jrc.ec.europa.eu/, http://osgl.grf.bg.ac.rs/geonetwork

2015- February 2016	Development of SoilInfo App application for accessing and crowd sourcing soil data http://soilinfo.isric.org/. / ISRIC World Soil Information
2015 - present	CARE-Climate of the Adriatic Region / Croatian Science Foundation
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
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
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
2012-2013	iSCOPE- **I**nteroperable **S**mart **C**ity services through an **O**pen **P**latform for urban **E**cosystems (*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) – Consultant, http://www.iscopeproject.net/*
2012-2013	eEnviPer - A single multi-purpose SOA platform that delivers environmental permissions services through the cloud of e-Government services and applications (*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) -Consultant* *http://www.eenviper.eu/*
2007-2008	*CORINE Land Cover mapping in Serbia (funded by the European Commission) -Consultant*

Publications by year:

2017

Hengl, Tomislav and de Jesus, Jorge Mendes and Heuvelink, Gerard BM and Gonzalez, Maria Ruiperez and Kilibarda, Milan and Blagotić, Aleksandar and Shangguan, Wei and Wright, Marvin N and Geng, Xiaoyuan and Bauer-Marschallinger, Bernhard and others (2017) SoilGrids250m: Global gridded soil information based on machine learning. *PLOS ONE.* **12**(2), pp.e0169748.

Pejović, Milutin and Bajat, Branislav and Gospavić, Zagorka and Saljnikov, Elmira and Kilibarda, Milan and Čakmak, Dragan (2017) Layer-specific spatial prediction of As concentration in copper smelter vicinity considering the terrain exposure. *Journal of Geochemical Exploration.* (), pp..

2016

Sekulić, Aleksandar and Pejović, Milutin and Kilibarda, Milan and Bajat, Branislav (2016) Development of Interactive 1D/2D Geodetic Control Network Design and Adjustment Software in Open Source/Free Environment (R+ Google Earth+ Google Maps). . (), pp..

A.Sekulić, M. Kilibarda, B. Bajat (2016) High resolution daily temperature for Serbia (1960-2015). *In: Proceedings of GeoMLA, Geostatistics and Machine Learning, Aplications in Climate and Environmental Sciences.*

D. Protić, S. Milutinović, O. Antonijević, A. Sekulić, M. Kilibarda (2016) Sensitivity of vegetation indices derived from Sentinel-2 data to change in biophysical characteristics. *In: Proceedings of GeoMLA, Geostatistics and Machine Learning, Aplications in Climate and Environmental Sciences.*

Sekulić A, Pejović M, Kilibarda M, Bajat B (2016) Development of Interactive 1D/2D Geodetic Control Network Design and Adjustment Software in Open Source/Free Environment (R + Google Earth + Google Maps). *In: Proceedings of International Symposium of Engineering Geodesy, 20th-22nd May 2016, Varaždin, Croatia.*

2015

Krunić, Nikola and Bajat, Branislav and Kilibarda, Milan (2015) Dasymetric mapping of population distribution in serbia based on soil sealing degrees layer.

Kilibarda, Milan and Tadić, Melita Perčec and Hengl, Tomislav and Luković, Jelena and Bajat, Branislav (2015) Global geographic and feature space coverage of temperature data in the context of spatio-temporal interpolation. *Spatial Statistics.* **14**(), pp.22--38.

Luković, Jelena and Blagojevć, Dragan and Kilibarda, Milan and Bajat, Branislav (2015) Spatial pattern of North Atlantic Oscillation impact on rainfall in Serbia. *Spatial Statistics.* **14**(), pp.39--52.

Bajat, Branislav and Blagojević, Dragan and Kilibarda, Milan and Luković, Jelena and Tošić, Ivana (2015) Spatial analysis of the temperature trends in Serbia during the period 1961–2010. *Theoretical and Applied Climatology.* **121**(1-2), pp.289--301.

Luković, Jelena and Bajat, Branislav and Kilibarda, Milan and Filipović, Dejan (2015) High resolution grid of potential incoming solar radiation for Serbia. *Thermal Science.* **19**(suppl. 2), pp.427--435.

Buric, D and Lukovic, J and Bajat, B and Kilibarda, M and Živkovic, N (2015) Recent trends in daily rainfall extremes over Montenegro. *Nat. Hazards Earth Syst. Sci.* **15**(), pp.2069--2077.

Tadić, Melita Perčec and Kilibarda, Milan (2015) Gridded station temperature data for validation of the climate models present climate. *In: Spatial Statistics 2015, Emerging patterns.*

B. Bajat, N. Krunić, M. Kilibarda, A. Sekulić (2015) Assessment of population vulnerability in risk analysis using dasymetric database of Serbia. *In: Proceedings of the 2nd Regional Symposium on Landslides.*

Kilibarda M, Bajat B, Protić D, Sekulić A. (2015) Geoprostorna baza podataka potencijalne solarne insolacije za teritoriju Srbije. Technical report. Faculty of Civil Engineering University of Belgrade.

Hengl, T and Kilibarda, M and Carvalho-Ribeiro, ED and Reuter, HI (2015) Worldgrids: A public repository and a WPS for global environmental layers. *WorldGrids at http://worldgrids. org/doku. php.* (), pp..

2014

Ćujić, Mirjana and Dragović, Snežana and Sabovljević, Marko and Slavković-Beškoski, Latinka and Kilibarda, Milan and Savović, Jelena and Onjia, Antonije (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), pp.5--11.

Luković, Jelena and Bajat, Branislav and Blagojević, Dragan and Kilibarda, Milan (2014) Spatial pattern of recent rainfall trends in Serbia (1961–2009). *Regional environmental change.* **14**(5), pp.1789--1799.

Kilibarda, Milan and Hengl, Tomislav and Heuvelink, Gerard and Graeler, Benedikt and Pebesma, Edzer and Perčec Tadić, Melita and Bajat, Branislav (2014) Spatio-temporal interpolation of daily temperatures for global land areas at 1 km resolution. *Journal of Geophysical Research: Atmospheres.* (), pp..

Luković, Jelena and Bajat, Branislav and Blagojević, Dragan and Kilibarda, Milan (2014) Rainfall Variability and NAO, Spatial Pattern. *In: Proceedings of DailyMeteo. org/2014 Conference.*

DailyMeteo. org/2014 Conference and Bajat, Branislav and Kilibarda, Milan (2014) Proceedings of DailyMeteo. org/2014 Conference: Belgrade, Serbia, 26-27 June 2014.

Kilibarda, Milan and Bajat, Branislav and Branisavljević, Nemanja (2014) Laboratory for development of open source geospatial technologies: Role in education and research. *Geonauka.* **2**(2), pp.6--11.

2013

Milan Kilibarda (2013) Automated Mapping of Climatic Variables Using Spatio-Temporal Geostatistical Methods. PhD Thesis. Faculty of Civil Engineering.

Dragović, Snežana and Ćujić, Mirjana and Slavković-Beškoski, Latinka and Gajić, Boško and Bajat, Branislav and Kilibarda, Milan and Onjia, Antonije (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**(), pp.288--296.

Bajat, Branislav and Krunić, Nikola and Samardzić-Petrović, Mileva and Kilibarda, Milan (2013) Dasymetric modelling of population dynamics in urban areas. *Geodetski vestnik.* **57**(4), pp.777--792.

Lukovic, J and Bajat, B and Blagojevic, D and Kilibarda, M (2013) Spatial Pattern of Rainfall Trends in Serbia (1961-2009). *In: AGU Fall Meeting Abstracts.*

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2012

Protic, D and Kilibarda, Milan and Nestorov, Ivan (2012) Super resolution mapping of agricultural parcel boundaries based on localized partial unmixing. *Geodetski List.* **89**(4), pp.259--271.

Kilibarda, Milan and Bajat, Branislav (2012) plotgooglemaps: The r-based web-mapping tool for thematic spatial data. *Geomatica.* **66**(1), pp.37--49.

2011

Bajat, Branislav and Hengl, Tomislav and Kilibarda, Milan and Krunić, Nikola (2011) Mapping population change index in Southern Serbia (1961–2027) as a function of environmental factors. *Computers, Environment and Urban Systems.* **35**(1), pp.35--44.

Krunić, Nikola and Bajat, Branislav and Kilibarda, Milan and Tošić, Dragutin (2011) Modelling the spatial distribution of Vojvodina's population by using dasymetric method. *Spatium.* (24), pp.45--50.

Kilibarda, Milan and Pejović, Milutin (2011) Application of open source/free software (R+ Google Earth) in designing 2D geodetic control network. *In: Proceedings of International scientific conference and 14th meeting of Serbian Surveyors Professional practice and education in geodesy and related fields.*

Bajat, Branislav and Krunić, Nikola and Kilibarda, Milan (2011) Dasymetric mapping of spatial distribution of population in Timok Region. *In: Proceedings of International conference Professional practice and education in geodesy and related fields, Klavodo-Djerdap, Serbia.*

KILIBARDA, MILAN and RADIĆ, ZORAN and BAJAT, BRANISLAV (2011) Plotgooglemaps–A Simple Solution for Geological Survey Web Mapping. *In: The Geology in Digital Age: Proceedings of the 17th Meeting of the Association of European Geological Societies.*

Bajat, Branislav and Krunić, Nikola and Kilibarda, Milan and Samardžić-Petrović, Mileva (2011) Spatial modelling of population concentration using geographically weighted regression method. *Journal of the Geographical Institute Jovan Cvijic, SASA.* **61**(3), pp.151--167.

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2010

Kilibarda, Milan and Protić, Dragutin and Nestorov, Ivan (2010) Application of Google Maps API service for creating web map of information retrieved from CORINE land cover databases. *Glasnik Srpskog geografskog drustva.* **90**(4), pp.103--114.

2002

Protic, Dragutin and Kilibarda, Milan and Vucetic, Ivan and Nestorov, Ivan (2002) 3D roof modelling for accurate assessment of solar potential. *In: Proc. EuroSun 2002 Int. Conference, Bologna, Italy.*

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Nestorov, Ivan and Protić, Dragutin and Kilibarda, Milan (0) TOWARDS ENERGY-EFFICIENT SOCIETY: AN EXAMPLE OF SMART CITY SERVICES. . (), pp..

Published software package:

R software package, June 2015: meteo - Spatio-temporal geostatistical mapping of meteorological data.
[https://cran.r-project.org/web/packages/meteo/index.html]
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.
[https://cran.r-project.org/web/packages/plotGoogleMaps/index.html]