

Curriculum Vitae

Name: **DRAGUTIN**

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Personal data:

Date of birth: 18. 06. 1974.

Place of birth: Belgrade

Citizenship: Serbian

Education:

- 2008-2013 PhD at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy and geoinformatics
Title of Dissertation: *Quantitative cartographic land cover modelling*
- 2007 M.Sc. degree at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy, Title of Dissertation: *Improving the CORINE methodology for land cover mapping*
- 2002-2006 Postgraduate studies at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy (specialisation in cartography, GIS, remote sensing)
- 1993-2001 Graduate studies at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy (graduated in 2001). Title of diploma work: *Using ILWIS software for creating raster thematic maps-possibilities of urban expansion of the city of Toulouse*

Language skills:

English (fluent)
Slavic languages, French (working knowledge)
Serbian/Croatian (native)

Working experience:

- 2014 - Assistant professor at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy
Courses: Cartography 1 (General cartography), and Official cartography
- 2019- Project manager in the Horizon2020 BEACON project
- 2018- Project manager for Copernicus CORINE Land Cover 2018 project (CLC2018) implementation in Serbia and Denmark
- 2017-2017 National Forest Information Expert consultant in FAO GEF project: “Contribution of Sustainable Forest Management to a Low Emission and Resilient Development” in Serbia
- 2016- Project manager in the Horizon2020 APOLLO project
- 2015- Founder and CEO of GILAB DOO company
- 2014-2015 Project manager for implementation of the CORINE Land Cover 2012 project in Serbia (CLC2012)
- 2012-2015 Serbian pilot coordinator in the EU CIP-ICT-PSP project i-SCOPE
- 2012-2014 Serbian pilot coordinator in the EU CIP-ICT-PSP project eEnviPer
- 2003-2014 Teaching assistant at the Faculty of Civil Engineering, University of Belgrade, Department of Geodesy
Courses: Mathematical cartography, General cartography, Information technologies in cartography and State cartography
- 2011- 2012 Consultant at the Republic Geodetic Authority (RGA) in the project “IGIS” (Task: Establishment of the Remote sensing centre)
- 2008- EIONET National Reference Centre for Land Cover in Serbia
- 2007-2009 Technical manager of the CORINE land cover project (CLC2006 update) in Serbia, funded by European Commission and European Environment Agency (EEA)
- 2005-2006 Technical manager of the CORINE land cover project (CLC2000) in Serbia and Montenegro, funded by European Commission and European Environment Agency (EEA)
- 2001-2003 Faculty of Civil Engineering, University of Belgrade, Department of Geodesy (worked as a demonstrator on several cartography courses)
- 2002 REC-Regional Environmental Centre for Central and Eastern Europe (worked as a trainer for implementation of LEAP (Local Environmental Action Plan) projects)

Research projects:

- Horizon2020- BEACON project - Project Manager- Boosting Agricultural Insurance based on Earth Observation data, Call identifier: H2020-SPACE-01-EO-2018-2020, 2019-2023
- Horizon2020 -APOLLO project - Project Manager- Advisory platform for small farms based on earth observation, Call identifier: H2020-EO-2015, EO-1-2015 Bringing EO applications to the market, project number: 687412, 2016-2019
- ICT PSP project eEnviPer (A single multi-purpose SOA platform that delivers environmental permissions services through the cloud of e-Government services and applications), Call identifier: CIP-ICT-PSP-2011-5, project number: 297358, 2012-2014
- ICT PSP project iSCOPE (interoperable Smart City services through an Open Platform for urban Ecosystems), Call identifier: CIP-ICT-PSP-2011-5, project number: 297284, 2012-2015
- FP7 project HELM (Harmonization of European Land Monitoring), Call identifier: FP7-SPACE-2010-1, Proposal No: 261562., 2011-2014
- Research project: Spatial, ecological, energetic and social aspects of settlement development and climate changes - mutual influence; Serbian Ministry of Science, project No: TR36035, 2011-2015
- 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, 2009-2011

Other projects:

- CORINE Land Cover projects in Serbia 1990, 2000, 2006, 2012 (implemented from 2005-2015)
- Land Cover mapping of Drina catchment basin, Institute "Jaroslav Cerni", Belgrade, 2006
- Land Cover mapping of Vlasina catchment basin, Institute "Jaroslav Cerni", Belgrade, 2006.
- Creation of land use database for Belgrade, Serbian mobile phone company- Telecom Serbia, 2001.
- Creation of geologic levels database for geologic examination in Kazakhstan, Lukas Ltd, Beograd, 2001.

Working experience in many GIS-remote sensing softwares: QGIS, SAGA, ArcGIS, eCognition, ENVI, PCI, AutoCAD Map, ILWIS, etc.

Bibliography:

- Protic, D., Kilibarda, M., Nenkovic-Riznic, M., Nestorov, I., (2017), 3D Urban Solar

Potential maps – case study of the i-SCOPE project, Thermal Science, doi: <https://doi.org/10.2298/TSCI170715213P>

- Protic, D., Milutinovic, S., Antonijevic, O., Sekulic, A., Kilibarda, M., (2016), Sensitivity of vegetation indices derived from Sentinel-2 data to change in biophysical characteristics, In: Milan Kilibarda and Jelena Lukovic (eds.) *Proceedings of GeoMla 2016 Conference*, pp:47-49

- Dragutin Protić and Aleksandar Ignjatović and Ivan Nestorov (2016) Komunikacija prostornih informacija u ekološkim i energetskim rešenjima za urbane prostore. In: Mila Pucar and Marina Nenković-Riznić (eds.) *PROSTORNI, EKOLOŠKI, ENERGETSKI I DRUŠTVENI ASPEKTI RAZVOJA NASELJA I KLIMATSKE PROMENE*. IAUS, Posebna izdanja br. 78., pp.93-108.

- Protic, D.; Vucetic, I. & Nestorov, I. Lazarevic, E. V.; Vukmirovic, M.; Krstic-Furundzic, A. & Djukic, A., ed., (2015), *Keeping Up with Technologies to Improve Places*, Cambridge Scholars Publishing, chapter The Role of Cartography in Making a “smart city”: Case Study of Indjija, pp. 230-238.

- Protic, D.; Nestorov, I. & Vucetic, I. (2014), Role of cartography in making a "smart city" case study of indjija, in Eva Vanista Lazarevic; Aleksandra Krstic-Furundžic; Aleksandra Djukic & Milena Vukmirovic, ed., '1st International Academic Conference- Places and Technologies- Conference Proceedings', pp. 995-1001.

- Protic, D.; Vucetic, I.; Kilibarda, M. & Nestorov, I. (2013), ENVIRONMENTAL MANAGEMENT QUALITY IMPROVEMENT THROUGH E-GOVERNMENT SERVICES, in 'INTERNATIONAL SCIENCE CONFERENCE-REPORTING FOR SUSTAINABILITY, Conference Proceedings, Bečići, Monten', pp. 259-263.

- D. Protic, M. Kilibarda, I. Nestorov: SUPER RESOLUTION MAPPING OF AGRICULTURAL PARCEL BOUNDARIES BASED ON LOCALIZED PARTIAL UNMIXING, *Geodetski list Vol 89(4)*, 2012, pp. 259-270, (ISSN–0016-710X) Glasilo Hrvatskog geodetskog društva, Zagreb.

- D. Protić, I. Vucetić, M. Kilibarda, I. Nestorov: ENVIRONMENTAL MANAGEMENT QUALITY IMPROVEMENT THROUGH E-GOVERNMENT SERVICES, INTERNATIONAL SCIENCE CONFERENCE-REPORTING FOR SUSTAINABILITY, Conference Proceedings, Bečići, Montenegro, 2013, pp. 259-263, ISBN 978-86-7550-070-4

- D. Vasić, D. Protić, A. Kermeci, N. Bošković, V. Milenković: DEVELOPMENT OF REMOTE SENSING CENTER IN THE REPUBLIC OF SERBIA IN THE CONTEXT OF ENVIRONMENTAL MONITORING AND MANAGEMENT, Conference Proceedings, Bečići, Montenegro, 2013, pp. 225-229, ISBN 978-86-7550-070-4

- D. Protić, M. Kilibarda, I. Vucetić, I. Nestorov: 3D ROOF MODELING FOR ACCURATE ASSESSMENT OF SOLAR POTENTIAL, EUROSUN2012, Conference Proceedings, Opatija, Croatia, 2012, ISBN 978-953-6886-20-3

- Nestorov, I., **Protić, D.**, Kilibarda, M., (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, 2011

- **Protić, D.**, Nestorov, I., Kilibarda, M., “Current states and perspectives of land cover mapping”, ICA Proceedings of the 25th International Cartographic Conference, Paris, ISBN: 978-1-907075-05-6, 2011
- Kilibarda, M., **Protić, D.**, Nestorov, I.: “Application of Google Maps API service for creating web map of information retrieved from CORINE land cover databases”, BULLETIN OF THE SERBIAN GEOGRAPHICAL SOCIETY, SASA, pp. 151-167, ISSN 0350-7599, UDC: 911.3:007, 2010
- Nestorov, I., **Protić, D.**, Kilibarda, M., Zivokovic, D., “Academic cartographic education in Serbia”, ICA Symposium on Cartography for Central and Eastern Europe, Vienna, CD pp.289-294, 2009
- Nestorov, I., **Protić, D.**, Kilibarda, M., “Current cartography projects in Serbia and their prospective implications on development of the national cartography”, ICA Symposium on Cartography for Central and Eastern Europe, Vienna, CD pp.905-910, 2009
- **Protić, D.**, “Quantitative cartographic land cover modeling”, ICA Symposium on Cartography for Central and Eastern Europe, Vienna, CD pp.849-854, 2009
- **Protić, D.**, Nestorov, I., Kilibarda, M. “The implementation of CORINE Land Cover 2006 update project in Serbia and its consequences”, InterGEO East Conference for Landmanagement, Geoinformation, Building Industry, Environment. German Association for Geodesy, Geoinformation and Landmanagement (DVW), INTERGEO EAST, Belgrade, 2008. Proceedings: CD pp. 1-7 , 2008
- Kilibarda, M., **Protić, D.**, Nestorov, I.: „The possibility of use geographical information in control of subsidies in agricultural policy in Serbia“, InterGEO East Conference for Landmanagement, Geoinformation, Building Industry, Environment. German Association for Geodesy, Geoinformation and Landmanagement (DVW), INTERGEO EAST, Belgrade, 2008. Proceedings: CD pp.1-9, 2008
- Radovic, D., Giorgio, A., Radovic, I., Srdic, Z., **Protić, D.**, “Primena GIS tehnologija u zaštiti prirodnih potencijala i strategiji prostornog planiranja NP Tara (Srbija) kao potencijalnog UNESCO MAB rezervata”, Glasnik Srpskog geografskog društva, vol. 88, br.3, str. 87-100, 2008
- Nestorov, I., **Protić, D.**, Nikolic, G.: “Land cover mapping in Serbia”, Proceedings of 23th International Cartographic Conference, CD, Moscow, 2007
- Nestorov, I., **Protić, D.**, Nikolic, G.: “ Production and prospective application of CORINE Land Cover database for Serbia and Montenegro”, Proceedings of InterCarto – InterGIS conference, Berlin, 2006, ISBN 3-00-019239-5, pp. 83-89, 2006
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- **Protić, D.**, Bajat, B.: “Possibilities for improvement of the CORINE methodology for mapping the CORINE Land Cover classes”, Proceedings of 2nd Gottingen GIS and Remote Sensing Days, Gottingen, ISBN-13: 978-3-938618-93-2, pp. 251-256, 2006
- **Protić, D.**: “Possibilities of updating topographic maps by visual and automatic interpretation of remote sensing data”, InterGEO East Conference for Landmanagement,

Geoinformation, Building Industry, Environment. German association for Geodesy, Geoinformation and Landmanagement (DVW), INTERGEO EAST, GTZ, RGZ, Belgrade, 2006. Proceedings: ISSN 1862-3395, CD, 2006

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