



**Prof. Zoran Stevanović**

**Professor Retired** of the University of Belgrade - Faculty of Mining & Geology (FMG), Department of Hydrogeology, Belgrade, Serbia,  
Chair of the Department of Hydrogeology FMG (2004-2012),  
Founder and Chair of the Centre for Karst Hydrogeology FMG (2008-2021),  
President of the Serbian Geological Society (2012-2016) and President of Karst Commission of the SGS (2013- ),  
**Consultant** of the FAO/UN (2000-2016), Geological Survey of Serbia, Belgrade (1997-1999), IK Consulting Eng. (2004-2012); Consultancy work for UNESCO; ITSC, England; RPD Ltd. Mahe, Seychelles; CloZEd Loop Energy AG, Luzern, Switzerland; SUEZ; Safège; Eptisa; Ces.TRA and several other companies.

#### **EDUCATION:**

**Ph.D.** in geology: Faculty of Mining & Geology, the University of Belgrade (1987)  
(Thesis: Hydrogeology of Carpathian-Balkanides karst in Eastern Serbia and water supply prospects)  
**MS** in geology: Faculty of Mining & Geology, the University of Belgrade (1982)  
**BS** in geology: Faculty of Mining & Geology, the University of Belgrade (1979)

#### **EXPERIENCE:**

Head or participant in many research projects in his home country Serbia and abroad (Algeria, Iraq, Georgia, Bhutan, Seychelles, Somalia, Ethiopia, The Balkans, countries of former Yugoslavia) Participant in many international cooperative research programs and experts exchange (France, Slovakia, Romania, Bulgaria, China, Slovenia).

More than 40 years of practical experience in designing and implementing research projects and studies in the field of Water resources management and evaluation; Exploration and assessment of resources of the karstic and intergranular aquifers; GW exploitation in potable water supply; Control and engineering regulation of aquifer (optimizing tapping structures, artificial recharge); Sustainable development of GW sources and environmentally safe groundwater extraction; River basin management plans; Application of EU Water Framework Directive (FWD) - Delineation and characterization of groundwater bodies; Creation of groundwater monitoring network at national/regional level; Environmental impact assessment studies; Hydrogeological mapping; Design of tapping structures, boreholes and wells; GW protection; GW use in irrigation; Assessment of dam sites and reservoirs water tightness; Mineral and geothermal waters exploitation and protection.

His technical solutions are applied in karst aquifer engineering regulation projects in Serbia (Bor-Timok Region; Čuprija) and in Montenegro (Regional water supply of Adriatic Coast). In Iraq he acted as Head of FAO Groundwater Unit in charge of complex geological and geophysical surveys, drilling of some 500 deep wells used for irrigation purpose and mitigation of drought consequences, creation of 25 geological and hydrogeological maps (1:500.000 -100.000 scales), establishment of GW network (some 300 water points) as well as creation of GW Database. In Bhutan he was responsible for developing groundwater sources for irrigation of paddy fields, in northern Georgia for finding alternative water solutions in conflict zone with South Ossetia. His expertise also covered water supply projects and search for new water sources in Algeria, Ethiopia and Seychelles. He directed hydrogeological mapping and water resources assessment in Somali provinces Somaliland, Puntland and Gedo. In Algeria and Iraq, he did assessment of water tightness of dams and reservoirs as well as prepared several environment impact assessment studies. He was also responsible for groundwater assessment and application of FWD in River Basin Management Plans (RBMP) in Bosnia & Herzegovina (Sava River basin) and Montenegro (RBMPs for Danube and Adriatic basins). In North Macedonia he created concept of national GW Data Management System. His conception and design of national GW monitoring network being successfully applied in Serbia, Montenegro, Northern Iraq and Northern Somalia. He undertook GW protection studies resulted in delineation of sanitary protection zones that being applied at several water sources, which supplying potable waters to towns in Serbia, Bosnia & Herzegovina and Montenegro. As UNESCO Consultant he was employed in project DIKTAS (Dinaric Karst Transboundary Aquifer System). As an experienced hydrogeologist with vast experience in countries of SE Europe, Middle East and East Africa in the KIT/BGR/UNESCO project WOKAM (World's Karst Aquifer Map) he was responsible to coordinate collection and evaluation of data from more than 40 countries. Since 2022 he is chairing globally important project of the IAH Karst Commission "Most Important Karst Aquifer Springs" and is coordinating work of more than 100 engaged national experts ([www.mikasproject.org](http://www.mikasproject.org)).

## TEACHING:

**Professor** at Faculty of Mining & Geology (FMG), University of Belgrade 1998-2021:

\* *Courses at undergraduate studies:*

Methods of Hydrogeological Research; Groundwater Utilization in Water Supply.

\* *Courses at graduate studies:*

Management of Groundwater Resources; Scientific Research; Characterization and Engineering of Karst Aquifers (International course and field seminar: [www.karst.edu.rs](http://www.karst.edu.rs));

**Associate Professor** at FMG 1993-1998

**Assistant Professor** at FMG 1988-1993;

**Assistant** at FMG 1979-1988.

Member of Scientific and Organizing Committees of numerous professional conventions in country and abroad. Organizing Secretary of the Symposium "100 Years of Hydrogeology in Yugoslavia" in 1997. Co-Chairman of the Organizing Committee for IAH conference in Belgrade 2005. Participant in more than 50 international geological and hydrogeological conferences (with presentations). Member of the scientific committees, invited lecturer or honourable guest of the numerous conventions and conferences in country and abroad (Greece, Romania, Bulgaria, Italy, Croatia, Spain, Hungary, Bosnia & Herzegovina, India, Switzerland). Reviewer of the UNESCO and Ministries of science of Austria, Slovenia and France. Editor or member of the Editorial Board of few geological journals (Serbia, Bulgaria and special issues of Springer's *Environmental Earth Science* and *Hydrogeology Journal*). Reviewer of papers in 19 international ISI journals.

He was mentor of twelve doctoral dissertations at the University of Belgrade, and member of examination panels for doctoral theses in Novi Sad, Bucharest, Freiberg, Neuchatel, Erbil and Sulaimani (Iraq). Invited lecturer at the universities and scientific institutions in Ljubljana, Karlsruhe, San Antonio, Shiraz, Szeged, Budapest, Benevento (Italy), Guilin (China), Raipur (India), Sulaimani (Iraq). Member of Assembly of the University of Belgrade and the Scientific council on technical sciences 2006-2013.

Award of the Serbian Geological Society in 1991 and in 2000. Award 'Branislav Milovanovic' in 2004, Special award of Society "Milutin Milanković" in 2021. He was awarded by the Geological Association of Bosnia & Herzegovina in 2019, and by the Geological Survey of Republika Srpska B&H in 2021. He is recipient of few gratitude certificates issued by foreign universities and research centres (Italy, China, USA, Hungary) and also of Special award "EUROKARST 2022" in Malaga, Spain. In 2023 he got Special award of Centre for Karst Hydrogeology as its founder and promoter at international level.

## MEMBERSHIP:

- ◆ **International Association of Hydrogeologists (IAH):** member since 1988; Associate member of IAH Karst Commission (KC) since 1998; KC member since 2009; Elected Chairman of the Commission in 2017-2019. Co-Chair for Europe and Africa 2019-2021.
- ◆ **International Union of Geological Sciences (IUGS):** President of the National Committee of IUGS (2012-2016).
- ◆ **Carpathian-Balkan Geological Association (CBGA - International Association for Mid and SE Europe):** Secretary of Hydrogeological Sub-commission (1987-1993); Member of the National Committee of CBGA (2009-2016).
- ◆ **Serbian Academy of Science and Arts:** Member of the Board on Karst and Speleology since 1993; Co-Chair of the Board from 2013.
- ◆ **Scientific Society of Serbia:** Permanent Member since 2016.
- ◆ **Engineering Academy of Serbia:** Correspondent member since 2018.
- ◆ **Serbian Geological Society:** President of the Society (2012-2016); Vice-president of the Society (1998-2002); President of the Karst Commission (2013- ); Chairman of Hydrogeological Division (1994-2000); Member of the Executive Board (1985-1989); Secretary of Hydrogeological Division (1983-1989).
- ◆ **Hungarian Geological Society:** Honorary member since 2018.
- ◆ **Bulgarian Geological Society:** Member since 2016.
- ◆ **National Committee of IAH of Serbia:** Member since its foundation in 1997.
- ◆ **Society of Geological Engineers of Serbia:** Member of the Hydrogeology Section since 2011.
- ◆ **YU Federal Ministry of Development, Science and Environment:** Expert of the Ministry until the year 2000.

Place and date of birth: Belgrade, Yugoslavia: 29/05/1956

Languages: English (very good), French and Russian (fair)

## BIBLIOGRAPHY:

As of February, 2024 he published 396 papers, out of which 44 in ISI journals. He wrote and edited 20 monographs and four textbooks. Author and co-author of 37 chapters in international monographs. In more than 50 of his papers have contributed authors from 30 different countries. Number of citations in February 2024 according to Google Scholar is 3216 (h-index 24), and according to Research Gate 2072 (h-index 20). The monographs of renowned

publishers are *Groundwater Hydrology of Springs: Engineering, Theory, Management and Sustainability* (Elsevier, 2010), *Karst Aquifer Characterization and Engineering* (Springer, 2015) and *Karst without Boundaries* (CRC Press/Balkema, Taylor & Francis, 2016).

### A) Monographs, Editions, Proceedings

1. Stevanović Z. (1991) Hidrogeologija karsta Karpato Balkanida istočne Srbije i mogućnosti vodosnabdevanja (Hydrogeology of Carpathian-Balkanides karst in Eastern Serbia and water supply prospects). Spec. ed. FMG, University of Belgrade, Belgrade, p. 245,
2. Stevanović Z., Filipović B. (eds.) (1994) Ground waters in carbonate rocks of the Carpathian – Balkan mountain range. Spec. ed. of the Carpathian-Balkan Geol. Assoc. Allston, Jersey, p. 237
3. Stevanović, Z. (ed.) (1995) Vodni mineralni resursi litosfere Srbije (Litospheric water mineral resources of Serbia). Spec. ed. FMG, University of Belgrade, Belgrade, p. 340
4. Stevanović, Z. (ed.) (1997) 100 godina hidrogeologije u Jugoslaviji (100 Years of Hydrogeology in Serbia), Vol. 1 (p. 368) and Vol. 2 (p. 330), Spec. ed. FMG, University of Belgrade, Belgrade
5. Stevanović Z., Polomčić D. (eds.) (2000) Hydrogeological research of lithosphere in Serbia Spec. ed. FMG, University of Belgrade, Belgrade, p. 217
6. Stevanović Z., Marković M. (2004) Hydrogeology of Northern Iraq. Vol 1: Climate, hydrology, geomorphology and geology. Spec. Publ. of FAO / UN, Rome, p. 122 (63 annexes)
7. Stevanović Z., Iurkiewicz A. (2004) Hydrogeology of Northern Iraq. Vol. 2 (General hydrogeology and aquifer systems. Spec. Publ. of FAO / UN, Rome, p. 175 (62 annexes)
8. Stevanović Z., Milanović P. (eds.) (2005) Water resources and environmental problems in karst. Proceedings of IAH Intern. conf. KARST 2005, Belgrade, p. 888
9. Stevanović Z., Mijatović B. (eds.) (2005) Cvijić and karst / Cvijić et karst. Monograph, Spec. ed of Board of Karst and Speleology of the Serb. Acad. Sci. and Arts, Belgrade, p. 405
10. Maran, A. and Stevanović, Z. (2009) Iraqi Kurdistan environment - An invitation to discover, IK Consulting, Belgrade & ITSC, London, p. 210
11. Kresic, N. and Stevanović, Z. (Eds.) (2010) Groundwater hydrology of springs: Theory, management, and sustainability, Elsevier, Burlington-Oxford, p. 574
12. Stevanović, Z. (2010): Regulacija karstne izdani u okviru regionalnog vodoprivrednog sistema „Bogovina“. (Management of karstic aquifer of regional water system „Bogovina“ (Eastern Serbia). Monograph, Spec. ed. FMG, University of Belgrade, Belgrade, p. 247
13. Stevanović, Z., Ristić-Vakanjac, V. and Milanović, S. (eds.) (2012) Climate changes and water supply. SE Europe Cooperation Programme, Spec. ed., Faculty of Mining & Geology, p. 556
14. Stevanović, Z. (ed.) (2015) Karst aquifers - Characterization and engineering, Series: Professional Practice in Earth Science, Springer International Publishing, Cham, Heidelberg, NY, Dordrecht, London p. 692
15. Stevanović, Z., Kresic, N. and Kukuric, N. (eds.) (2016) Karst without boundaries. IAH Selected Papers edition, Vol. 23, CRC Press, Taylor & Francis Group, p. 376
16. Milanović S., Stevanović Z. (eds.) (2018) Karst 2018 – Expect the Unexpected. Proceedings of the Intern. Conf. Trebinje, Publ. Centre for Karst HG, University of Belgrade, Belgrade, p. 458
17. Stevanović, Z., Blagojević, M. (2021) Hydrogeology and climate changes impact on aquifer systems of Drina River basin. Ministry of Agriculture, Forestry and Water Management of Montenegro, Podgorica, p. 315.
18. Stevanović, Z., Dinić, M. (2021) „Milutin Milanković: The Past 100 Years, and the Future“. Proceedings of the online symposium, Assoc. „Milutin Milanković“, Belgrade, p. 314
19. Krešić, N., Stevanović, Z. (2021) Lands of karst, a visual story. Blue Ridge Press LLC Warrenton, VA, USA and Centre for Karst Hydrogeology, Belgrade, Also available as an electronic book on Amazon.com. Library of Congress Control No. 2021936791. ISBN 978-0-578-89049-4, p. 380
20. Stevanović Z., Gunn J., Goldscheider N., Ravbar N. (2024) Karst: Environment and Management of Aquifers. The Groundwater Project, Guelph, Ontario, Canada. <https://doi.org/10.21083/978-1-77470-077-8> (in press)

### B) Textbooks (in Serbian):

1. Uvod u naučno istraživački rad u oblasti hidrogeologije - sa osnovama opšte naučne metodologije (Introduction to Scientific Research in Hydrogeology with Basics of Scientific Methodology). University of Belgrade – Fac. Min & Geol., p. 112. Belgrade (1991)

2. Menadžment podzemnih vodnih resursa. (Management of Groundwater Resources). University of Belgrade – Fac. Min & Geol., Depart. For Hydrogeol., p. 340. Belgrade (2011)
3. Metode hidrogeoloških istraživanja (with S. Milanović), (Methods of Hydrogeological Research) University of Belgrade – Fac. Min & Geol., Depart. For Hydrogeol., p. 551. Belgrade (2017)
4. Vodosnabdevanje podzemnim vodama (Groundwater Utilization in Water Supply), University of Belgrade – Fac. Min & Geol., Depart. For Hydrogeol., p. 329. Belgrade (2019)

### C) Papers in ISI journals

1. Stevanović Z., Dragišić, V., 1998: An example of identifying karst groundwater flow. *Environmental Geology*, 35 (4): 241-244, Springer-Verlag
2. Stevanović Z, Jemcov I, Milanović S, 2007: Management of karst aquifers in Serbia for water supply, *Environmental Geology*, 51, 5: 743-748, ISSN 0943-0105, Springer
3. Stevanović Z., Iurkiewicz A., Maran A., 2009: New insights into karst and caves of northwestern Zagros (northern Iraq), *Acta Carsologica*, 38/1: 83-96, (UDC 911.2:551.44(567-179), ISSN 0583-6050
4. Saljnikov A., Vučićević B., Komatina M., Gojak M., Goričanec D., Stevanović Z., 2009: Spectroscopic research on infrared emittance of coal ash deposits. *Experimental Thermal and Fluid Science*, Elsevier, 33 (8):1133-1141, Doi: 10.1016/j.expthermflusci.2009.07.002
5. Stevanović, Z., Iurkiewicz, A. 2009 : Groundwater management in northern Iraq. *Hydrogeology Journal*, 17 (2): 367-378, ISSN: 1431-2174 (Print), DOI:10.1007/s10040-008-0331-0, Springer
6. Milanović S., Stevanović Z., Jemcov I., 2010: Water losses risk assessment: an example from Carpathian karst. *Environmental Earth Sciences* (former: *Environmental Geology*), Springer, 60 (4): 817-827, Doi: 10.1007/s12665-009-0219-x
7. Stevanović Z., Milanović S., Ristić V., 2010: Supportive methods for assessing effective porosity and regulating karst aquifers, *Acta Carsologica*, 39/2: 313-329, ISSN 0583-6050
8. Iurkiewicz A., Stevanović Z., 2010: Reconnaissance study of active sulfide springs and cave systems in the southern part of the Sulaimani Governorate (NE Iraq). *Carbonates and Evaporites*, Springer-Verlag. 25 (3): 203-216
9. Stevanović Z., Eftimi R., 2010: Karstic sources of water supply for large consumers in southeastern Europe – sustainability, disputes and advantages, *Geologica Croatica*, 63/2, pp. 179-186
10. Radulović MM., Stevanović Z., Radulović M., 2012: A new approach in assessing recharge of highly karstified terrains – Montenegro case studies, *Environmental Earth Sciences* (former: *Environmental Geology*). Springer-Verlag. vol. 65 br. 8, pp. 2221-2230, DOI: 10.1007/s12665-011-1378-0.
11. Stauder S., Stevanović Z., Richter S, Milanović S., Tucović A., Petrović B., 2012: Evaluating bank filtration as an alternative to current water supply from deeper aquifer: the case study from the Pannonian Basin, Serbia. *Water Resources Management*. Springer-Verlag. 26:581–594, DOI 10.1007/s11269-011-9932-9
12. Antonijević D., Komatina M., Stevanović Z., 2012: Energetic and Environmental Sustainability of Sub-Geothermal Heat Pump Heating in Serbia. *Journal of Environmental Protection and Ecology*, vol. 13/3: 1625-1633
13. Polomčić D., Hajdin B., Stevanović Z., Bajić D., Hajdin K., 2013: Groundwater management by riverbank filtration and an infiltration channel, the case of Obrenovac, Serbia. *Hydrogeology Journal*. Vol 21. pp.1519-1530. DOI 10.1007/s10040-013-1025-9

14. Milanović S., Stevanović Z., Vasić Lj., Ristić-Vakanjac V., 2014: 3D Modeling and monitoring of karst system as a base for its evaluation and utilization – A case study from eastern Serbia, *Environmental Earth Science*. Volume 71, Issue 2 , pp 525-532. DOI 10.1007/s12665-013-2591-9
15. Polomčić D., Hajdin B., Čuk M., Papić P., Stevanović Z. 2014: Groundwater supply in Serbia's southeast Pannonian basin. *Carpathian Journal of Earth and Environmental Sciences*, Vol. 9, No. 3, p. 97 – 108. ISSN Printed: 1842 - 4090. ISSN Online: 1844 - 489X
16. Radulović MM., Radulović M., Stevanović Z., Sekulić G., Radulović V., Burić M., Novaković D., Vako E., Blagojević M., Dević N., Radojević D., 2015: Hydrogeology of the Skadar Lake basin (Southeast Dinarides) with an assessment of considerable subterranean inflow. *Environmental Earth Science*, 74/1: 71-82. Doi 10.1007/s12665-015-4090-7.
17. Stevanović Z., Ristić-Vakanjac V., Milanović S., Vasić LJ., Petrović B., Čokorilo Ilić M., 2015: Karstification depth and storativity as main factors of karst aquifer regimes: some examples from southern Alpine branches (SE Europe and Middle East). *Environmental Earth Science*, 74/1: 227-240. Doi 10.1007/s12665-015-4046-y
18. Ristić Vakanjac V., Stevanović Z., Maran Stevanović A., Vakanjac B., Čokorilo Ilić M., 2015: An example of karst catchment delineation for prioritizing the protection of an intact natural area. *Environmental Earth Science*. Doi 10.1007/s12665-015-4390-y.
19. Fiorillo F., Stevanović Z., 2015: Introductory editorial thematic issue: Mediterranean karst hydrogeology. *Environmental Earth Science*. 74/1 (2015): 1-3, Doi 10.1007/s12665-015-4548-7
20. Parise M., Closson D., Gutierrez F., Stevanović Z., 2015: Anticipating and managing engineering problems in the complex karst environment. *Environmental Earth Science*. 74/12: 7823-7835 Doi. 10.1007/s12665-015-4647-5
21. Stevanović Z., 2016: Damming underground flow to enhance recharge of karst aquifers in the arid and semi-arid worlds. *Environmental Earth Science*. 75:35 Doi: 10.1007/s12665-015-5086-z
22. Čokorilo Ilić, M., Stevanović, Z., Ristić Vakanjac, V. 2016: Environmental aspect and potential impact of proposed water transfer scheme in east Herzegovina, *Environmental Earth Science*. Springer, 75:35, Doi: 10.1007/s12665-015-5147-3
23. Stevanović Z., Milanović P., 2015: Engineering challenges in karst, *Acta Carsologica*, 44/3: 381–399
24. Milenić D., Stevanović Z., Dragišić V., Vranješ A., Savić N., 2016: Application of renewable energy sources along motorway infrastructures on high karst plateaus-West Serbia case study, *Environmental Earth Science*. Springer, 75:35, DOI: 10.1007/s12665-016-5635-0
25. Chen, Z., Auler, A.S., Bakalowicz, M., Drew, D., Griger, F., Hartmann, J., Jiang, G., Moosdorf, N., Richts, A., Stevanović, Z., Veni, G., Goldscheider, N. 2017. The World Karst Aquifer Mapping Project – Concept, Mapping Procedure and Map of Europe. *Hydrogeology Journal*, 25:771–785, DOI 10.1007/s10040-016-1519-3
26. Milanović S., Stevanović Z., 2018: Introductory editorial. *Environmental Earth Science*. 77: 724. <https://doi.org/10.1007/s12665-018-7905-5>
27. Fiorillo F., Esposito L., Pagnozzi M., Stevanović Z., Ventafridda G., 2019: Main hydrological features and recharge analysis of the Caposele Spring catchment, Southern Italy. *Acta Carsologica*, 48/1: p.85-98, Doi: <https://doi.org/10.3986/ac.v48i1.6738>
28. Marinović, V., Stevanović, Z., 2019: Karst groundwater quantity assessment and sustainability: the approach appropriate for river basin management plans. *Environmental Earth Science*, 78: 362. <https://doi.org/10.1007/s12665-019-8364-3>
29. Stevanović Z., 2019: Karst waters in potable water supply: a global scale overview. *Environmental Earth Science*. Springer, 78: 662; <https://doi.org/10.1007/s12665-019-8670-9>

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33. Goldscheider, N., Chen, Z., Auler, A.S., Bakalowicz, M., Broda S., Drew, D., Hartmann, J., Jiang, G., Moosdorf, N., Stevanović, Z., Veni, G., 2020: Global distribution of carbonate rocks and karst water resources, *Hydrogeology Journal*, 28(5), 1661-1677 <https://doi.org/10.1007/s10040-020-02139-5>
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37. Auler A., Stevanović Z., 2021: Preface: Five decades of advances in karst hydrogeology. *Hydrogeology Journal*, 29:1-6, doi: 10.1007/s10040-020-02292-x
38. Stevanović Z., Maran-Stevanović A., 2021: Monitoring as the key factor for sustainable use and protection of groundwater in karst environments. *Sustainability* 2021, 13, 5468. <https://doi.org/10.3390/su13105468>
39. Eftimi R., Stevanović Z., Stojov V, 2021: Hydrogeology of Mali Thate–Galičica karst massif related to the catastrophic decrease of the level of Lake Prespa, *Environmental Earth Sciences*, 80, 708 (2021), doi: 10.1007/s12665-021-10006-z
40. Stevanović Z., Maran-Stevanović A., Pekaš Ž., Eftimi R., Marinović V., 2022: Environmental flows and demands for sustainable water use in protected karst areas of the Western Balkans. *Carbonates and Evaporites*, 37:3, Doi: 10.1007/s13146-021-00754-1
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42. Stevanović Z., Milanović P., 2023: South-eastern Dinaric karst: contrasts in water treasury. *Environmental Earth Sciences* (2023) 82:215, <https://doi.org/10.1007/s12665-023-10904-4>
43. Petrović, B., Marinović, V., Stevanović, Z., 2023: Characterization of the eastern Suva Planina Mt. karst aquifer (SE Serbia) by time series analysis and stochastic modelling. *Environmental Earth Sciences* 82:222. <https://doi.org/10.1007/s12665-023-10911-5>
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## D) SELECTED PROJECTS:

*Some of the projects in Serbia and abroad:*

<b>Title</b>	<b>Institution/ Contractor</b>	<b>Duration</b>	<b>Position</b>	<b>Objective</b>
Hydrogeological exploration in Smederevska Palanka and Palanački kiseljak mineral source (Serbia)	FMG	Several phases during 1979-1987	Hydrogeologist	Studies for optimizing potable water supply and protecting the mineral water source
Le rapport des recherches hydrogéologiques en région de Laghouat (Algeria)	The Highway Institute, Belgrade	1985	Hydrogeologist	Hydrogeology study for solutions in water supply
Le rapport des recherches hydrogéologiques en région de Oum el Bouaghi (Algeria)	The Highway Institute, Belgrade	1985	Hydrogeologist	Hydrogeology study for solutions in water supply
Water sources protection study (Nemanja, Serbia; Nikolina voda, Bosnia & Herzegovina)	FMG, Institute of Health protection of Serbia	1982, 1984	Hydrogeologist	Sanitary protection zones of the springs utilized for water supply
Aquifer control of Beljevina & Zlotska reka (Serbia)	FMG	1985-1989	Hydrogeologist	The new tapping structures to expand capacity of the sources for water supply of Bor town
Semi-confined karstic aquifers of Eastern Serbia	FMG, Fund for geological exploration of Serbia	1985-1988	Team Leader	Feasibility study for improving water supply of the large towns and industries in the region by tapping confined karst aquifers
Basic Hydrogeological Map of Serbia (sheets: Boljevac, Zagubica, Bor)	FMG, Fund for geological exploration Serbia	1988-2001	Team Leader	Methodology, field survey and data evaluation: Maps and Guide book
Regional water supply system "Bogovina" (Serbia)	FMG and Institute for water Management "J. Černi"	Several phases during period 1990-1997	Chief hydrogeologist	A new intake structure (system of the wells) for regional water supply of the Timok region
Lithospheric water mineral resources of Serbia	Board of Astro and Geo Sciences of the Ministry of Science of Serbia.	1991-1995 and 1996-1999	Team Leader	Scientific research project for assessing groundwater resources of Serbia and optimize their use
Aquifer control of Nemanja source (Serbia)	FMG	1999-2000	Team Leader	New tapping structures for control of karst aquifer supplying water to town Čuprija
Sustainable groundwater use for irrigation purposes in Northern Iraq	FAO / UN (in Northern Iraq)	2000-2003	Technical officer and Head of Groundwater Unit in Water Resources and Irrigation Sector	Complex geological and geophysical surveys, 500 new deep wells, 25 geol. and hydrogeol. maps (1:500.000 - 100.000), establishment of GW network (300 water points), creation of GW Database
Remedial measures in water use practices of drought affected areas	FAO / UN (in Northern Iraq)	2001-2003	Technical officer and Head of Groundwater Unit	Construct more than 100 deep and 200 shallow wells and numerous tapping structures to

(Northern Iraq)			in Water Resources and Irrigation Sector	mitigate the drought in the region
Assessment of water resources and drilling of wells for sustainable use – 3-year programme for Northern Iraq	FAO / UN (in Northern Iraq)	2003	Technical officer and Head of Groundwater Unit in Water Resources and Irrigation Sector	Strategy for exploration, GW management and sustainable use and monitoring of water extraction effects
Water project - Bottling of promising sources of Serbia & Montenegro	Common Sens / Coca Cola	2004	Chief Hydrogeologist	2-stage study for evaluate and select most promising sources for commercial water bottling
ICPDR project (International Cooperation Project for Danube River)	Institute for water Management "J. Černi"	2004	Hydrogeologist Consultant	Characterization and delineation of groundwater bodies in Eastern Serbia in accordance with EU WFD
Hydrogeology and prospective in groundwater supply of four selected municipalities in Vojvodina (Serbia)	IK Consulting, Ehting and TZW (Germany)	2006-2008	Hydrogeologist Consultant	Assessment report and two research projects to improve water supply in the region
Environmental impact assessment study - Bekhme dam planning report (Iraq)	ITSC (in Iraq)	2005	Hydrogeologist Consultant	Study and base documentation to assess and mitigate the impact of the designed large dam
Environmental impact assessment study - Taq Taq dam planning report (Iraq)	ITSC (in Iraq),	2006	Hydrogeologist Consultant	Study and base documentation to assess and mitigate the impact of the designed large dam
Water resources assessment of regional groundwater sources of Serbia – control and development of aquifers	FMG, Inst. J.Cerni Geological Survey of Serbia <i>Under patronage of Min Envir. and Directorate od water of Serbia</i>	2006-2011	Team Leader of FMG	Implementation of EU WFD, assessment and protection of groundwater resources
Groundwater monitoring network and Aquifer vulnerability map of Serbia	FMG, Inst.J.Cerni, Geolog.Survey of Serbia <i>Under patronage of Min Envir. and Directorate of water of Serbia</i>	2006–2011	Team Leader of FMG	Implementation of EU WFD, establishment of new Groundwater monitoring network and regional groundwater vulnerability map 1:500.000
Raport d'expertise Barrages: Hammam Grouz, Saf Saf, Ourkiss (Algeria)	ANTB (National Agency for Dams and Water Transfer) Algeria	2007	Hydrogeologist Consultant	Watertightness assessment of the three reservoirs in Algeria and proposal for remedial measures
SUDEHSTRA (Sustainable Development of Hungarian – Serbian Transboundary Aquifer) INTERREG	EAR (EU Delegation), FMG, ATIKOVIZIG (HU) and Szeged University (HU)	2007-2008	Project Manager of the Serbian expert team	Transboundary water management, groundwater modeling and sustainability for shallow and deep aquifer systems
Karst and karst waters of Western Balkan	Serbian Academy of Science and Bulgarian Academy of Science	2007 – 2009	Team leader of Serbian expert team	Cooperation project - Transboundary water management and aquifer vulnerability map
Water supply of Montenegrain coast – Bolje sestre source (Skadar basin)	IK Consulting, Scott & Wilson	2006 – 2009	Hydrogeologist Consultant	New intake structure for regional water supply of coastal area of Montenegro (Adriatic Sea)



Rehabilitation and modernization of irrigation of Shida Kartli region, Georgia	FAO / UN	2009	Water Resources Consultant	Remedial measures and modernization of the irrigation system in conflict zone with South Ossetia (postwar remedy)
Optimization of sub-geothermal water resources of Serbia	Ministry of Science & Technology of Serbia	2008-2010	Team Leader	Utilization of sub-thermal waters for heating and cooling purposes & increase energy efficiency
Climate Changes and Water Supply (CCWaterS)	SEE Programme ERDF & IPA	2009-2012	Team Leader	Intern. project involving 18 insti. from 9 European countries for assessing impact of climate changes on water resources and prepare mitigation plan for large consumers
Environmental impact assessment study – Khazer – Gomel (Iraq)	IK Cons. Eng. & ITSC (Iraq)	2009-2010	Hydrogeologist Consultant	Study and documentation for mitigate the impact of the designed dam and irrigation of service area
Preliminary report on availability of groundwater resources in alluvial formations of Danube River in Bačka region(Serbia)	EPTISA Grupo Espagna (Spain)	2009	Hydrogeologist Consultant	Feasibility Study –Component of municipal infrastructure support programme for selected municipalities in N & W Vojvodina (Serbia)
EUREKA! 4117 HTH Pump 4	EU funding – EUREKA innovation programme, Research Consortium	2009-2010	Hydrogeologist Consultant	European inovation project under EUREKA framework – Construction and utilization of cascade heat pump for subthermal water resources efficiency
Hydrogeology for the project of drinking water plant and water supply of the settlements of Vrbas municipality	Tahal (Israel) – Fideco d.o.o.	2010	Hydrogeologist Consultant	Hydrogeological assessment and feasibility for expansion of exisiting and opening of new local groundwater sources
Environmental impact assessment study – Bekhme – Mindawa planning reports (Iraq)	IK Cons. Eng. & ITSC (Iraq)	2010-2011	Hydrogeologist Consultant	Study and base documentation for mitigate the impact of the designed dams under different dam heights
Preliminary hydrogeological assessment of selected areas in Samtse Dzongkhag, Bhutan	FAO NRL Rome in cooperation with Ministry of Agriculture Royal Government of Bhutan	2011	Senior International Hydrogeologist	Assessment of groundwater availability and proposal for GW tapping
Technical specification of drilling and groundwater testing in Ugyentse Geog, Bhutan	FAO NRL Rome in cooperation with Ministry of Agriculture Royal Government of Bhutan	2011	Senior International Hydrogeologist	Design and project for groundwater testing and tapping for irrigation purposes in designated area
Hydrogeology of Mahe Island, Seychelles	Royal Palm Development Company Ltd, Victoria, Seychelles	2011	Hydrogeology Expert	Groundwater assessment with special emphasis on water bottling and supplying groundwater to the desalinization plants
SWALIM – Somalia water and land information system - Hydrogeological	EU and UNICEF in cooperation with FAO as implementing	2011-2012	International Hydrogeology Consultant - Team Leader	Groundwater (GW) assessment, HG mapping, remote sensing and GIS GW database. Establishing the

Assessment of Somaliland and Puntland	agency (SWALIM Unit for Somalia)			national GW monitoring network and solutions to improve water supply in urban and rural areas
DIKTAS – Dinaric karst transboundary aquifer management	Croatia, B & H, Montenegro, Albania partners / UNESCO & GEF funded project	2011-2015	International Hydrogeology Consultant	Sustainable groundwater use and management of transboundary karst aquifer of Dinaric system (Croatia, B&H, Montenegro, Albania)
CC - Ware	Institute for water Management “J. Černi”	2013-2014	Consultant in Groundwater Resources Management	International project of 17 partners from 10 SEE countries – South East Programme and funded from IPA.
WOKAM – World karst map	KIT – University of Karlsruhe, Germany and BRG – Geological Survey of Germany, UNESCO	2012-2016	Member of Advisory Board, responsible for 47 countries of C,SE Europe, Near and Middle East and E Africa	Creation of GIS Data base of main karstic speleo features and water objects and mapping of different types of karst
Sava River basin management plan in the territory of Bosnia & Herzegovina – Groundwater component	Eptisa - Hydroplan	2014-2015	International Consultant	Delineation and characterization of groundwater bodies, quantitative and qualitative pressures assessment, GW monitoring network and measures in water practice
Hydrogeology of Jarer and Fafem Valleys, Ethiopia	UNESCO	2014	Team Leader	Evaluation of existing data and proposals for local aquifers sustainable development
Africa GW Atlas	British Geological Survey	2014-2015	Ad Hoc Consultancy	Expertise for GW distribution and utilization in Somalia
Creation of extended groundwater monitoring network of Serbia	Republic Hydrometeorological Survey of Serbia	2015	Team Leader	Analyses and optimization of a new GW monitoring network in compliance with EU WFD
SWALIM – Somalia water and land information system - Hydrogeology assessment of the Gedo Region	EU and UNICEF in cooperation with FAO as implementing agency (SWALIM Unit for Somalia)	2016	Team Leader	Groundwater assessment and sustainability, identification of prospective zones for groundwater tapping, programme for improvement of local water practice
CHPM2030 – Combined Heat, Power and Metal extraction	Serbian Geological Society as member of Consortium led by European Geologists Federation (EFG) in HORIZON2020	2016-2019	Team Leader of the Serbian Geol. Society	The project is defining a technology pathway that could substantially decrease Europe's dependency on both the import of critical metallic minerals and of energy. The project aims at new concepts coupling the production of geothermal energy and metals and thus improving the economic viability

GOSPEL - Geothermal Serbian Pilot projects for hEat and eLectricity	ES Geothermie, Strasbourg and Fac. MIn. Geol. – Univ. BG	2017-2018	Team Leader	The development of geothermal energy in Serbia and particularly in Vojvodina. A program aiming at identification and realization of prefeasibility studies on three pilot zones with advanced geothermics technologies. Funded by French authorities.
Strenghtening the capacities for the implementation of Water Framework Directive in Montenegro	Consortium Suez – Safege - Eptisa	2017-2019	Hydrogeologist - Consultant	European Union EU AID project for implementation of EU WFD, delineate groundwater bodies and assess pressures on aquifer systems within River Basin Management Plans for Adriatic and Black Sea basins
West Balkans - Drina River basin management project (WBDRB)	Ces-TRA, World bank, Ministry of Agriculture and Rural Development of Montenegro	2018-2019	Team Leader of Task 2 - Hydrogeology	Assessment of climate change impacts on groundwater in Drina River Basin of Montenegro, hydrogeological and vulnerability mapping, programme of mitigation measures
Groundwater data management system (GWDMS) of North Macedonia	Federal Department of Foreign Affairs of Switzerland / Embassy in North Macedonia	2019	Team Leader	Preparation of the Concept of Groundwater Data Management / National Groundwater Register of North Macedonia
Operational monitoring of groundwater in Republic of Serbia	Ministry of Environment Protection of Republic of Serbia	2017-2020	Team Leader	Operational monitoring and assessment of quantitative and qualitative pressures on delineated groundwater bodies in accordance to EU WFDirective
CROWD THERMAL	European Federation of Geologists / EU Project H2020	2019-2022	Team Leader of the Serbian Geol. Society	The project aims promoting production of geothermal energy at local community level
Support to Implementation and monitoring of water management, Montenegro	Eptisa Europe	2020 - 2022	Senior Hydrogeologist Consultant	Implementation of several EU Directives in MNE (Nitrate, Flood, Marine and Bathing) and expansion of GW Monitoring network
KARMA / MEDKAM (Mediterranean Karst Aquifer Mapping)	EU funded project PRIMA programme, Consortium of EU institutions led by KIT, Karlsruhe	2020 - 2023	External consultant	Preparation of set of maps for karst aquifers in the Mediteranean area: distribution, vulnerability to pollution, sustainable use and stresses

Protection and groundwater resources availability of karst systems in Western Serbia	Cities: Prijepolje, Sjenica, Priboj	2019 - 2023	Team Leader of the FMG team	Assessment of water resources and establishment of sanitary protection zones of several karst sources in Dinaric karst of West Serbia
Monitoring, control and protection of the regional water supply source "Bolje sestre" for Montenegro Coast	IPA Cross-Water Project, Regional Waterworks for MNE Coast	2021-2023	Team Leader of the International Consortium (MNE, SRB, AT,GER)	Monitoring network design, sanitary protection zones establishment and ensuring capacity, feasibility study
Sustainable Sediment Management in Montenegro  Morača River and the Bolje Sestre spring and resilience of coastal water supply	World Bank project	2024	Short term Consultant	Overview on key drivers, pressures, current status and impacts of the sediment regime. Action plan with main drivers, pressures and impacts, and priority measures to improve the sediment regime in the Morača basin for restoring the sediment regime and discharge of the Bolje Sestre spring
Assessment on drought preparedness, management and planning in Serbia	World Bank project – Intern. Institute for Applied Systems Analysis (IIASA, Vienna)	2024	National Consultant	Stock-taking analysis and outlook of drought policies, planning and management in non-EU Member States of the Danube Region (Serbia case)

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