

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **MIKOŠ MATJAŽ**
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Nationality Slovenian
Date of birth 12 DECEMBER, 1959

WORK EXPERIENCE

- Dates (from – to) 2009 till present
- Name and address of employer University of Ljubljana, Faculty of Civil and Geodetic Engineering
Jamova cesta 2, SI-1000 Ljubljana, Slovenia
- Type of business or sector Higher Education
- Occupation or position held Full Professor in Hydrology & Full Professor in Hydraulic Engineering
- Main activities and responsibilities Dean, Faculty of Civil and Geodetic Engineering, University of Ljubljana
Teaching master and doctorate courses & performing applied research in river engineering, torrent control, hydraulic structures, erosion processes, applied hydrology & higher education

- Dates (from – to) 1994 till 2009
- Name and address of employer University of Ljubljana, Faculty of Civil and Geodetic Engineering
Jamova cesta 2, SI-1000 Ljubljana, Slovenia
- Type of business or sector Higher Education
- Occupation or position held Full Professor in Hydraulic Engineering
- Main activities and responsibilities Vice-Dean for Research, Faculty of Civil and Geodetic Engineering, University of Ljubljana
Teaching undergraduate and postgraduate courses & performing applied research in river engineering, torrent control, hydraulic structures, erosion processes, applied hydrology
Contracts with industry undertaken in the frame of the Faculty in the fields of applied hydrology, hydraulic engineering, sediment management and risk management

- Dates (from – to) 1983-1994
- Name and address of employer Water Management Institute, Hajdrihova ulica 28, SI-1000 Ljubljana, Slovenia
- Type of business or sector Research
- Occupation or position held Junior Consulting Engineer & Junior Researcher
- Main activities and responsibilities Contracts with industry and the state undertaken in the frame of the Institute in the field of torrent control and river engineering
Part-time postgraduate studies

EDUCATION AND TRAINING

- Dates (from – to) 1988-1993
 - Name and type of organization providing education and training Swiss Federal Institute of Technology Zürich (ETH Zürich)
 - Principal subjects/occupational skills covered Hydraulic Engineering – Civil Engineering
 - Title of qualification awarded Doctorate of Technical Sciences (Dr. sc. techn. ETH)
 - Level in national classification (if appropriate)
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- Dates (from – to) 1983-1988
 - Name and type of organization providing education and training University of Ljubljana – Faculty of Architecture, Civil and Geodetic Engineering
 - Principal subjects/occupational skills covered Hydraulic Engineering
 - Title of qualification awarded Master of Science in Civil engineering
 - Level in national classification (if appropriate)
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- Dates (from – to) 1978-1983
 - Name and type of organization providing education and training University of Ljubljana – Faculty of Architecture, Civil and Geodetic Engineering
 - Principal subjects/occupational skills covered Hydraulic engineering
 - Title of qualification awarded Diploma in Civil Engineering – Major in Hydraulic engineering
 - Level in national classification (if appropriate)

PERSONAL SKILLS AND COMPETENCES

*Acquired in the course of life and career
but not necessarily covered by formal
certificates and diplomas.*

MOTHER TONGUE

SLOVENIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH (CAMBRIDGE FCE, TOEFL, GRE GENERAL)

Very good
Very good
Very good

- Reading skills
- Writing skills
- Verbal skills

GERMAN (ZDaF)

Very good
Very good
Very good

- Reading skills
- Writing skills
- Verbal skills

CROATIAN / SERBIAN

Very good / Very good
Good / Very good
Very good / Very good

**SOCIAL SKILLS
AND COMPETENCES**

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

**ORGANISATIONAL SKILLS
AND COMPETENCES**

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

**TECHNICAL SKILLS
AND COMPETENCES**

With computers, specific kinds of equipment, machinery, etc.

**ARTISTIC SKILLS
AND COMPETENCES**

Music, writing, design, etc.

**OTHER SKILLS
AND COMPETENCES**

Competences not mentioned above.

DRIVING LICENCE(S)

ADDITIONAL INFORMATION

Organization of Hiking Tours and Mountaineering Schools for Young People (1977-1983)
Supervision of more than 80 diploma students (since 1996)
Supervision of 8 junior researchers as PhD students (since 1998)
Supervision and co-supervision of over 10 master and PhD students (since 1996)
Student tutor at the Faculty (2004-2006)
Co-organizing over 20 national and international scientific and professional conferences (since 1995)

Young Mountain Guide, Slovenian Alpine Association (1977-1985)
Editor-in-Charge and Editor-in-Chief of a scholar journal Acta hydrotechnica (1996-2006)
Chairman (1996-2001) and Member of the Print Commission at the Faculty (2001-2009)
Vice-Dean for Research at the Faculty (1999-2009)
Member (since 1999) and Chairman of the Scientific-Technical Committee of the International Research Society INTERPRAEVENT (2001-2009)
Member of several Professional Committees for Mitigation of Large Landslides in Slovenia (2001-2008)
Member of the Editorial Council of the professional journal Gradbeni vestnik, issued by the Union of Associations of Slovenian civil engineers and technicians (ZDGITS) (since 2004)
Member of the Habilitation Commission at the Faculty (2005-2009)
Editor of the SCI journal Hydrology and Earth System Sciences (& Discussions) (since 2005)
Member of the Geo- and Hydrotechnical Expert Committee, Agency for Radioactive Waste (since 2006)
Editor of the Proposal for the Bologna Bachelor and Master Curriculum in Water Engineering and Environmental Engineering at the Faculty (2007-2008)
Member of the Commission on Research and Development at the University of Ljubljana (2007-2009)
Member of the Editorial Board of the SCI journal Landslides, issued by Springer (since 2009)
Dean of the Faculty (since 2009)
Vice-Chairman of the Commission on Strategy at the University of Ljubljana (2010-2013)
Member of the Slovenian Academy of Engineering (since 2014)
Chairman of the Slovenian National Platform on Disaster Risk Reduction (since 2014)
Vice-President of the International Consortium on Landslides (2015-2017)
Candidate for the Sava River Basin Water Council (in preparation)

computer skills
mathematical modeling
laboratory experiments
applied field studies

Landscape photography (fluvial forms, erosion, land sliding, natural extreme events)

Certified Professional Civil Engineer in Slovenia
EurIng (Member of FEANI)
Skiing

Yes

Contact persons:

Prof. Gary Parker – University of Illinois at Urbana-Champaign (USA)
Prof. Trevor Hoey – University of Glasgow (Great Britain)
Prof. Gareth Pender – Herriot Watt University (Edinburgh)
Prof. Alan Ervine – University of Glasgow (Great Britain)
Prof. Andreas Dittrich – Technical University Braunschweig (Germany)
Prof. Hiroshi Fukuoka – Niigata University (Japan)
Prof. Johannes Hübl – BOKU University, Vienna (Austria)

ANNEX 1
INVOLVEMENT IN
INTERNATIONAL PROJECTS

- International Sava River Basin Commission project Possibilities of the Establishment of the Sediment Monitoring System for the Sava River (SMS) (2015)
- International Sava River Basin Commission project Towards Practical Guidance for Sustainable Sediment Management using the Sava River Basin as a Showcase - Estimation of Sediment Balance for the Sava River (BALSES) (2013)
- Alpine Space project START_it_up (State-of-the-Art in Risk Management Technology: Implementation and Trial for Usability in Engineering Practice and Policy) (2013-2014)
- Alpine Space project SedAlp (Sediment management in Alpine basins: integrating sediment continuum, risk mitigation and hydropower) (2012-2015)
- LIFE+ project LIVEDRAVA (Riparian Ecosystem Restoration of the Lower Drava River in Slovenia) (2012-2017)
- EU 7th Framework project KULTURisk (Knowledge-based approach to develop a cULTUre of Risk prevention) (2011-2014)
- Alpine Space project PARAMount ("imProved Accessibility: Reliability and security of Alpine transport infrastructure related to mountainous hazards in a changing climate") (2009-2012)
- LIFE+ project BIOMURA (Conservation of biodiversity of the Mura river in Slovenia) (2007-2011)
- EU project RiskBridge (Integrative Approaches to Risk Governance) (2006-2009)
- EU project AWARE (A tool for monitoring and forecasting Available WAter Resource in mountain environment) (2005-2008)
- EU project SARIB (Sava River Basin: Sustainable Use, Management and Protection of Resources) (2002-2007)
- the Royal Society project on new methods for the assessment of sediment transport (co-operation with the University in Glasgow and the Herriot Watt University in Edinburgh) (2002-2004)
- ALIS/VALVASOR and Partnerships in Science project on fractional gravel sediment transport (co-operation with the University in Glasgow and Herriot Watt University in Edinburgh) (1998-2002)
- European project EROSLOPE II "Dynamics of sediments and water in Alpine catchments - Processes and prediction" (1996-1999)
- European research project EROSLOPE I "Slope instability, erosion and solid material transport in steep mountain catchments - Laboratory and field experimentation" (1994-1995)

- Bezak, N., Šraj, M., Mikoš, M. (in print). Analyses of suspended sediment loads in Slovenian rivers. *Hydrological sciences journal*, doi: 10.1080/02626667.2015.1006230.
- Sassa, K., Tsuchiya, S., Fukuoka, H., Mikoš, M., Doan, L., 2015. Landslides : review of achievements in the second 5-year period (2009-2013). *Landslides* 12/2, 213-223.
- Fidej, G., Mikoš, M., Rugani, T., Jež, J., Kumelj, Š., Diaci, J. (2015). Assessment of the protective function of forests against debris flows in a gorge of the Slovenian Alps. *IForest* 8/1, 73-81.
- Petkovska, V., Urbanič, G., Mikoš, M., 2015. Variety of the guiding image of rivers - defined for ecologically relevant habitat features at the meeting of the alpine, mediterranean, lowland and karst regions. *Ecological engineering* 81, 373-386.
- Bezak, N., Mikoš, M., Šraj, M. (2014). Trivariate Frequency Analyses of Peak Discharge, Hydrograph Volume and Suspended Sediment Concentration Data Using Copulas. *Water resources management* 28/8, 2195-2212.
- Babić Mladenović, M. Bekić, D., Grošelj, S., Mikoš, M., Kupusović, T., Oskoruš, D., Petković, S. (2014). Towards sediment management in the Sava river basin. *Water Research and Management* 4/1, 3-13.
- Hübl, J., Mikoš, M. (2014). Monitoring von Murgängen = Debris flow monitoring. *Wildbach- und Lawinenverbau* 78/173, 50-66.
- Mikoš, M., Čarman, M., Papež, J., Janža, M. (2014). Legislation and procedures for the assessment of landslide, rockfall and debris flow hazards and risks in Slovenia. *Wildbach- und Lawinenverbau* 78/174, 212-221.
- Pulko, B., Majes, B., Mikoš, M. (2014). Reinforced concrete shafts for the structural mitigation of large deep-seated landslides: an experience from the Macesnik and the Slano blato landslides (Slovenia). *Landslides* 11/1, 81-91.
- Cerovšek, T., Mikoš, M. (2014). A comparative study of cross-domain research output and citations: research impact cubes and binary citation frequencies. *Journal of informetrics* 8/1, 147-161.
- Smolar-Žvanut, N., Mikoš, M. (2014). The impact of flow regulation caused by hydropower dams on the periphyton community in the Soča River, Slovenia. *Hydrological sciences journal*, 59/5, 1032-1045.
- Mihalič Arbanas, S., Arbanas, Ž., Abolmasov, B., Mikoš, M., Komac, M. (2013). The ICL Adriatic-Balkan Network: analysis of current state and planned activities. *Landslides* 10/1, 103-109.
- Lamovec, P., Veljanovski, T., Mikoš, M., Oštir, K. (2013). Detecting flooded areas with machine learning techniques: case study of the Selška Sora river flash flood in September 2007. *Journal of applied remote sensing* 7(1), 1-13.
- Lamovec, P., Mikoš, M., Oštir, K. (2013). Detection of flooded areas using machine learning techniques: case study of the Ljubljana moor floods in 2010. *Disaster advances* 6(7), 4-11.
- Mikoš, M. (2013). Upravljanje gorskih nevarnosti in tveganj v zavarovanih območjih: primer Triglavskega narodnega parka, Slovenija = Alpine hazard and risk management in protected areas : the case of the Triglav National Park, Slovenia. *Geodetski vestnik* 57/1, 112-124.
- Sodnik, J., Vrečko, A., Podobnikar, T., Mikoš, M. (2012). Digital terrain models and mathematical modelling of debris flows. *Geodetski vestnik* 56/4, 826-837.
- Kryžanowski, A., Mikoš, M., Šušteršič, J., Ukrainczyk, V., Planic, I. (2012). Testing of concrete abrasion resistance in hydraulic structures on the lower Sava river. *Journal of Mechanical Engineering = Strojniški vestnik* 58/4, 245-254.
- Šolc, T., Stefanovska, A., Hoey, T., Mikoš, M. (2012). Application of an Instrumented Tracer in an Abrasion Mill for Rock Abrasion Studies. *Journal of Mechanical Engineering = Strojniški vestnik* 58/4, 263-270.
- Mikoš, M. (2011). Integrated water management and regionalisation of the Republic of Slovenia. *Geodetski vestnik* 55/3, 518-529.
- Mikoš, M. (2011). Public Perception and Stakeholder Involvement in the Crisis Management of Sediment-Related Disasters and their Mitigation: the Case of the Stože Debris Flow in NW Slovenia. *Integrated environmental assessment and management* 7/2, 216-227.
- Mikoš, M. (2011). Landslides: A state-of-the art on the current position in the landslide research community. *Landslides* 8/4, 451-551.
- Petkovšek, A., Fazarinc, R., Kočevar, M., Maček, M., Majes, B., Mikoš, M. (2011). The Stogovce landslide in SW Slovenia triggered during the September 2010 extreme rainfall event. *Landslides* 8/4, 499-506.
- Lamovec, P., Mikoš, M. (2011). Analysis of floods using satellite images - case study of the 2007 torrential flood in the Selška valley. *Geodetski vestnik* 55/33, 483-494.