

WMHE 2026 - 19 th International Symposium on Water Management and Hydraulic Engineering September 16-19, Hotel Admiral, Opatija, Croatia			
DAY 1 Wednesday September, 16	18:30 - 20:00	Welcome Reception (Icebreaker Event) - <i>Hotel Admiral</i>	
DAY 2	Time	Room A	Room B
DAY 2 Thursday September, 17	8:00	Registration - <i>Registration Desk, outside the conference halls</i>	
	9:30	Opening Ceremony	
	9:45	DUŠKA KUNŠTEK: WMHE Throughout the Years	
	10:00	Keynote Lecture 1 NEJC BEZAK: Mitigation of typical torrential hazards in the Kravac area in Slovenia	
	10:40	Coffee Break	
	11:10	Keynote Lecture 2 MANOUSOS VALYRAKIS: From Turbulent Events to Particle Response: A Dynamical Framework for Sediment Transport, Smart Sensing and Resilience	
	11:50	Keynote Lecture 3 SUZANA ILIĆ: Coastal Adaptation: Connecting Science, Communities and Action	
	12:30	Lunch Break	
	14:00	CLIMATE CHANGE AND FLOOD RISK MANAGEMENT 1 (Bekić & Brleković)	INTEGRATED WATER SUPPLY, SEWERAGE, AND TREATMENT SYSTEMS (Posavčić & Barlokova)
		BRLEKOVIĆ, T.; TADIĆ, L.; JANJIĆ, J.; MIJUŠKOVIĆ-SVETINOVIĆ, T.: Analysis of Temperature and Precipitation Parameters and Their Influence on Drought Occurrence in Osijek	HALKJEUJIC, I.; CRNOJA, A.; LICHT, K.; POSAVCIC, H.: Biotechnological Potential of Algae for Wastewater Treatment
		BERBIĆ, J.; OCVIRK E.: Comparative Analysis of Station-based and Climate Model Data For Flow Modelling	NAKIĆ, D.; LICHT, K.; POSAVČIĆ, H.; MALJKOVIĆ, D.; LEOVAC MAČERAK, A.; ŠRAJBEK, M.: Advanced Wastewater Treatment Using Sewage Sludge-Derived Biochar as a Circular Adsorbent Material
		GRŽIĆ, M. M.; OŽANIĆ, N.; KRVAVICA, N.: Early Warning System Based on Pre-Simulated Scenarios for Compound Flooding: Application to the Rječina River, Rijeka	POSAVČIĆ, H.; NAKIĆ, D.; LICHT, K.; PRKAČIN, A.: Application Of Biochar For The Removal of The Pharmaceutical Zidovudine From Wastewater
		JURIK, L.; KALETOVA, T.; VALEK, A.; LENARTOWICZ, M.: Historical Changes in Flow Rates in the Klatov Branch	BARLOKOVA, D.; ILAVSKY, J.; PROSNANSKY, M.; KRESCANKO, M.: The Use of Ultrafiltration in Water Treatment
		PETKOVIĆ, I.; OŽANIĆ, N.; KRVAVICA, N.: Evaluating The SCS-CN Method In The Pazinčica River Catchment (Croatia): Measured Extremes Vs. Event-Based Hydrological Simulations	HORVAT, M.; GOLUB, N.: Wastewater Treatment in Small Settlements Using the Tehnix Bio rotor System
		KRVAVICA, N.; GRŽIĆ, M.M.; ŠILJEG, A.: Compound Flood Hazard Assessment in the Zrmanja River Estuary Using Joint Probability Analysis	VOUK, D.; FANJEK, K.; LICHT, K., NAKIĆ, D.: Hybrid Electrocoagulation-Adsorption Treatment of Ammunition Manufacturing Wastewater: Influence of Process Parameters on COD, Heavy Metals and Sulfate Removal
	15:30	Coffee Break	
	16:00	CLIMATE CHANGE AND FLOOD RISK MANAGEMENT 2 (Potočki & Szydlowski)	GROUNDWATER HYDRAULICS AND WATER QUALITY (Halkijević & Zima)
		VUIĆ, F.; BEKIĆ, D.; BEZAK, N.; POTOČKI, K.: Comparison Of Univariate And Bivariate Approaches To Design Hydrograph Derivation In Croatian And Slovenian Catchments	ZIMA, P.: Correct Adoption of the Two-Dimensional Dispersion Tensor for Pollutant Propagation in Wide Rivers
		ZELENAKOVA, M.; NAGY, P.; KUBIAK-WOJCIČKA, K.: Assessment of Hydrological Risks in Hornad River Basin	ŘÍHA, J.; JULÍNEK, T.: Urban Areas and Groundwater Flow Issues
		BEKIĆ, D.; LUŠ, D.: Trends In River And Flash Flood Events And Associated Fatality Indicators In Europe Over The Past 50 Years	ĐURIN, B.; ŠRAJBEK, M.; TRABE BARANAŠIĆ, T.; BAHMANPOURI, F.: Application of the Entropy Theory in a Case of the Meander in a Complex Morphodynamics Media
		ORFÁNUS, M.; SOLTÉSZ, A.; BILČIKOVÁ, N.: Options for Flood Protection of the Záhorská Bystrica Urban Area	ŠRAJBEK, M.; ĐURIN, B.; MIKIĆ, M.; NOVOTNI-HORČIČKA, N.: Innovative Trend Analysis (ITA) of Groundwater Quality Parameters at the Bartolovec Wellfield (Croatia)
		GALATA, A. W.; RATKA, K.; SZYDLOWSKI, M.: The Role of Retention Reservoirs in Urban Flood Protection in the Kacza River Basin in Gdynia, Poland	TADIĆ, L.; JUERITČ, L.; BRLEKOVIĆ, T.; TAMAS, E. A.; KOCH, D.: Transboundary Water Cooperation Between EU Member States and the Third Countries
		ŠRENG, Ž.; ŠPERAC, M.; MARIČIĆ, S.; VOUK, D.; LAUŠ, F.: Influence Of Design Hyetograph Construction Methods On Urban Runoff Simulation	

Day 3	Time	Room A	Room B
DAY 3 Friday September, 18	8:30	Registration - Registration Desk, outside the conference halls	
	9:00	INTEGRATED WATER RESOURCES MANAGEMENT (Vouk & Julinek)	HYDRAULIC ENGINEERING FOR IMPROVING INFRASTRUCTURE RESILIENCE (Berbić & Skokan)
		MARTINIĆ, I.; ČANJEVAC, I.: Hydrological Characteristics of the Medvednica Mountain Springs	DOBRAŇSKY, M.; ZELENAKOVA, M.; ABD ELHAMID, H.; GARAJ, M.: Proposal of Fishpasses Based on Monitoring
		HAJDUK ČERNEHA, B., VOUK, D., NAKIĆ, D., BUJAK, D.: A Case Study To Test The Feasibility Of Using Managed Aquifer Recharge In Karst Area	RUTZKÁ, A.; VIDOVÁ, A.; ČUBANOVÁ, L.: Optimization of the Manning ´s Roughness Coefficient Value for 1-D Fish Pass Numerical Modeling
		JULINEK, T.; ŘIHA, J.; SKOKAN, J.; KOTAŠKA, S.: Strategic Reconnection Of Floodplains For Implementing The Eu 2030 Biodiversity Strategy In Levee Management	ŠULEK, P.; ORFÁNUS, M.; ČERVEŇANSKÁ, M.: Software Tool for Operational Control of the Gabčikov Hydropower Plant on the Danube: Linking Water Flow Simulations and Energy Management
		LOBOREC, J.; PLANTAK, L.; LESKOVAR, K.; BIONDIĆ, R.: Cartographic Microzonation of Nitrate Vulnerability in the Varaždin Aquifer Through Integration of Field Measurements, Historical Time Series and Land Cover Data	ŘIHA, J.: Safety Assessment of Hydraulic Structures Using Risk Analysis
		PLANTAK, L.; LESKOVAR, K.; MEAŠKI, H.; BIONDIĆ, R.: A Framework for Urban Climate Resilience: Regulation Elements for Groundwater Protection in the Varaždin Aquifer	SKOKAN, J.; DUCHAN, D.; DRÁB, A.: Computer-Efficient Cfd Application: Adaptive Discretization For 3D Air-Water Bridge Flow With Scale-Resolving Simulation
			BUJAK, D.; MENDEŠ, V.; ŠTEFAN, L.; CAREVIĆ, D.: Uncertainty Quantification of Wave Transmission of Pi-Type Floating Breakwaters
	10:30	Coffee Break	
	11:00	HYDROINFORMATICS AND REMOTE SENSING TECHNOLOGIES (Đurin & Červeňanská)	GREEN TECHNOLOGIES AND SUSTAINABLE WATER MANAGEMENT (Gilja & Čubanová)
		ČERVEŇANSKÁ, M.; PECHO, P.; CHROMČÁK, J.; PAPČO, J. TOH, R.; RUTZKÁ, A.; PAVLOV D. BILČIKOVÁ, N.: High-resolution UAV Laser Scanning of the Channel Morphology – Comparison with Traditional Surveying Techniques	RANDELOVIĆ, A.; LJUBIČIĆ, R.; STANIĆ, F.; VASILIĆ, Ž.: From Stormwater To Wellbeing: Nature-Based Solutions For Urban Water Management And Thermal Comfort – euPOLIS BGD
		GALEŠIĆ DIVIĆ, M.; DIVIĆ, V.; SARDELIĆ, M.; RUMENOVIĆ, R.: Jadro as a Living Lab: Integrating Low-Cost Drifters with System-Based Assessment in Education and Monitoring	FUKO, R.; KUHAL, A.; ZELENAKOVA, M.: Water Retention Measures In The Turany Nad Ondavou Village
		HORVAT, B.; OŠTRIĆ, M.; RADIŠIĆ, M.; RUBINIĆ, J.: Advancing the Temporal Dynamics Analysis of the Bulař Spring Catchment Water Balance with Global Moderate Resolution Soil Moisture Datasets	HARASTI, A.; GILJA, G.; TATARIN, D.; TOŠIĆ, I.: Revitalization of a Drava River Side Branch Using 2D Numerical Modelling
		KUBIAK-WOJCICKA, K.; JAMORSKA, I.; NOWAK, M.; PILARSKA, A.: Detection of Drought Events in the Drwęca River Basin Using Standardized Indices and Satellite Data	ŠOLTÉŠ, A.; BILČIKOVÁ, N.; PAVLOV, D.: Nature-based Solution for Climate Change Adaptation - Case Study in Slovakia
		HOLJEVIĆ, T.; HOLJEVIĆ, D.: Flood Risk Assessment and Hydraulic Capacity Analysis of the Ungauged Rokalovo Karst Catchment	BARIŠIĆ LASOVIĆ, A.; TADIĆ, I.; SABO, G.; BATAKOVIĆ, N.: Integrating Hydrodynamic Habitat Modelling And Nature-Based Solutions For The Restoration Of The Noskovačka Bara Side Arm
		ŠTEFAN, L.; BUJAK, D.; MILIČEVIĆ, H.; CAREVIĆ, D.: Evaluation of Reanalysis and Climate Products for Wind Forcing of a Mid-Adriatic Numerical Wave Model	BATICA, J.; SRETENOVIĆ, Ž., RAKONJAC, N.: Nature-Base Solutions In The Water Sector In Serbia And The EU: From The Regulatory Alignment To Implementation Challenges
	12:30	Lunch Break	
	14:00	GREEN TECHNOLOGIES AND SUSTAINABLE WATER MANAGEMENT & INTEGRATED WATER SUPPLY, SEWERAGE, AND TREATMENT SYSTEMS (Nakić & Galešić Divić)	NUMERICAL MODELLING IN HYDROTECHNICS & GEOTECHNICAL ENGINEERING – DESIGN, SAFETY, MONITORING AND CLIMATE RESILIENCE (Carević & Krvavica)
		CRNOJA, A.; ŠRAJBEK, M.; ĐURIN, B.; NAKIĆ, D.: The Impact Of Waste Car Tires On The Aquatic Environment And The Potential Of Recycling Into New Construction Products	LESKOVAR, K.; BEKIĆ, D.; PLANTAK, L.; MEAŠKI, H.: Hydrological Model Calibration Using Swat-Cup
		ŽIĆ, E.; VOLF, G.; HORVAT, B.: Comparative Hydraulic Analysis And Optimisation Of The Water Supply System In A Residential And Tourist Area	MAHAVEER; ZIMA, P.: Design Optimization Of Separator
		ŽIĆ, E.; VOLF, G.; HORVAT, B.: Hydraulic Analysis And Optimisation Of An Annular Water Supply System In An Urban Area	LESKOVAR, K.; BEKIĆ, D.; MEAŠKI, H.; BIONDIĆ, R.: Modelling of Snowmelt using Swat in the Case of the Upper Drava Catchments
		STANIĆ, F.; RANDELOVIĆ, A.; JAČIMOVIĆ, N.: Porous Asphalt As A Flood Resilience Solution: Coupled Surface-Subsurface Water Flow Modelling In Porous Asphalts	ŠKVARKA, J.: Discrepancies Between an Updated 1000-Year Design Hydrograph and Reconstructed Historical Flood Events
		VLACHOVIĆ, D.; HANŽEK, N.; CELINŠČAK, M.; CVETNIĆ, M.; STANKOVIĆ, I.: Using Multi-Year Phytoplankton Data To Prioritise Freshwater Lakes For Targeted Cyanotoxin Monitoring	
	15:30	Coffee Break	

DAY 3	Time	Poster Session	
DAY 3 Friday September, 18	16:00	CONRADT, H.; HATTERMANN, F.F.: Flood Hazard Changes Across the Danube River Basin Under Climate Change	ŠRAJBEC, M.; ĐURIN, B.; CRNOJA, A.; NOVOTNI-HORČIČKA, N.; NAKIČ, D.: Geostatistical Modelling of Spatial Distribution of Groundwater Quality Parameters at the Bartolovec Wellfield (Croatia)
		ŠRENG, Ž.; GRUBIŠIĆ, M.; BERBIĆ, J.; BRLEKOVIĆ, T.: Impact Of Primary Precipitation Data Processing On Dimensionless Hyetographs	MENDEL, A.; TADIĆ, L.: Water Quality Analysis in the Orljava River Basin Area
		KALETOVA, K.: Analysis of Gauging Stations with Zero Flow Occurrence in the Year in the Streams of Slovakia Between 1993 And 2022	MOSTEČAK, H.; VOUK, D.; NAKIČ, D.; OSKORUŠ, D.: Methodology for Wholesale Water Pricing Between Public Water Utilities in Croatia: Legal Framework and Cost Allocation
		MILIČEVIĆ, H.; CAREVIĆ, D.; BUJAK, D.: The Effect Of Submerged Sill On The Morphodynamic Response Of Artificial Pocket Gravel Beaches	BUJAK, D.; JEDRIŠ, I.; ŠTEFAN, L.; MILIČEVIĆ, H.: Calibration of Analytical Models for Wave Prediction
		ROCA TORRES, O.; OSKORUŠ, D.; MEAŠKI, H.; ZAVRTNIK, S.: Possibilities of Water Resources Use From Drainage Canals Along Reservoirs on The Drava River, Croatia	GILJA, G.; VUKADIN, M.A.; HARASTI, A.: Hydraulic Design of Detached Groynes for Morphodynamic Development of Drava River
		OCVIRK, E.; NAGLIČ, P.: 125 Years Of Regulation Of The Sava River In Zagreb - An Unfinished Story	BERBIĆ, J.; ŠRENG, Ž.; ŠPERAC, M.; KAPUSTIĆ, J.: Cross-Scale Analysis Of Precipitation Data From High And Low Temporal Resolution Datasets
		BALETIC, D.; POSAVCIC, H.; BUJAK, D.; MILICEVIC, H.: Flow Simulation In Constructed Wetlands: Horizontal Vs. Vertical Substrates	LOVRIĆ, I.; KALINIĆ, F.; LONČAR, G.: Quantifying Wind Contribution to Water Exchange in Marinas Using an Improved Analytical Formulation
		LICHT, K.; HALKJJEVIĆ, I.; NAKIČ, D.; POSAVČIĆ, H.: Sono-Electrocoagulation for Simultaneous Selenium and Strontium Removal in a Multi-Stage Reactor	PAUDIŠOVÁ, E.; BAIKOVIĆ, I.: Ecological Flow in River Basin Management as a Key Tool for Smart Spatial Planning
		HALKJJEVIĆ, I.; LICHT, K.; MILINOVIĆ, D.; VOUK, D.: Comparative Evaluation Of Electrooxidation, Ultrasound, And Ozonation For The Inactivation Of Escherichia Coli And Total Coliforms	BEZAK, N.; RAŠKA, P.; MACHAČ, J.; LOUDA, J.; ZUPANC, V.; SLAVIKOVA, L.; ALVIO, M.B.: Comprehensive Evaluation Of Different Flood Mitigation Strategies Combining Hydrological Effectiveness, Social Perspective And Economic Assessment
	17:30	Networking & Free Time	
	20:00	Conference Closing and Awards Presentation, followed by a Gala Dinner - <i>Hotel Admiral</i>	
	08:45 - 17:15	Technical Visit to Butoniga Lake, Including Tours of the Dam and Water Treatment Plant, Followed by Wine Tasting at the Traditional Istrian Tomaz Winery	
DAY 4 Saturday, September 19			