



PEN@HYDROPOWER (CA 21104)

Workshop on Water-Energy Nexus in the field of water-supply network
including results from actual HEU research projects

October 19-20, 2023 / TU Wien / Vienna / Austria

Draft Program

Day 1: Thursday, 19.10.2023

Time	Content	Speaker/Trainer
09:00 – 09:30	Welcome	Eduard <u>Doujak</u>
09:30 – 10:00	Opening presentation about WEF and its importance for Hydropower and the ongoing projects	Maria Stella <u>Righettini</u>
10:00 – 10:30	Coffee Break	
10:30 – 11:00	Presentation of energy or hydraulic potential in existing water infrastructures under the perspective of WE nexus	David <u>Bermejo</u>
11:00 – 11:30	Presentation of existing energy recovery technologies to raise the potential in water infrastructures	Pavel <u>Rudolf</u>
11:30 – 12:00	Presentation of future energy recovery technologies to raise the potential in water infrastructures	Francesco <u>di Vanna</u>
12:00 – 13:30	Lunch break	
13:30 – 14:00	Simulation of water supply networks with EPANET	Daniel <u>Patauner</u>
14:00 – 14:30	Experiences with field measurements in water supply networks	Eduard <u>Doujak</u>
14:30 – 15:00	Visit of the hydraulic machinery laboratory of the TU Wien	Eduard <u>Doujak</u>
15:00 – 15:30	Coffee Break	
15:30 – 17:00	Group work on common paper	Facilitated by all
17:00	End of WS Day 1	



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Day 2: Friday, 20.10.2023

Time	Content	Speaker/Trainer
9:30	Meeting in front of the opera house in Vienna to go together for the Laboratory visit of BOKU	Eduard <u>Doujak</u>
09:30 – 10:30	Travel to the Lab by public transport (tramway) and walk	
10:30 – 12:00	Visit of the brand new hydraulic laboratory of the Institute of Hydraulic Engineering and River Research at the University of Natural Resources and Life Sciences (BOKU) in Vienna	Prof. Helmut <u>Habersack</u> and colleagues
12:00 – 13:00	Travel back to TU Wien / Lab	
13:00 – 15:30	Work in groups on the common papers	Facilitated by all
15:30 – 16:00	Coffee Break	
16:00 – 17:00	Conclusions and Feedback / Homework	All
17:00	End of WS Day 2	

TU Wien	Organizer: TU Wien / Institute for Energy Systems and Thermodynamics Laboratory address: TU Wien Science Center Campus Arsenal Franz-Grill-Straße 4 / OA A-1030 Wien
BOKU	Laboratory address: Wasserbaulabor Am Brigittenauer Sporn 3 A-1200 Wien
Registration	https://docs.google.com/forms/d/1L6z4PnQB6LGmUVlp3DkxhbHIOxzOhp677Dzsqh7sdi0/viewform?ts=651db2b0&edit_requested=true



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