


ETIP HYDROPOWER Governing Board Application form

Name and surname	Dr. Eduard DOUJAK
Photo	
Name of entity (e.g. company, association, etc.)	TU Wien, Institute for Energy Systems and Thermodynamics & European Energy Research Alliance (EERA) – Joint Program (JP) Hydropower & Cooperation in Science and Technology (COST)
Job title / role	Professor at TU Wien / EERA - Sub-Program leader at JP Hydropower / COST CA21104 – Chairman of the Pan-European Network for Sustainable Hydropower
Stakeholder category	<input type="checkbox"/> Hydropower industry and technology ¹ <input type="checkbox"/> Operator/owner of large hydropower plants and/or pumped storage plant(s) <input type="checkbox"/> Independent operator/owner of small hydropower plant(s) <input type="checkbox"/> Design, planning and project development <input type="checkbox"/> Finance, business and insurance ² <input checked="" type="checkbox"/> Research, innovation and development ³ <input type="checkbox"/> Environment and civil society ⁴
Country	Austria
Previous experience (1300 characters with spaces)	Over the past 25 years in hydropower, my journey has encompassed diverse research endeavours, the orchestration of the ViennaHydro Conference, and productive collaborations with European institutions. We've delved into revitalising ageing hydropower plants and their extended service life in the research domain. Critical elements such as load optimisation, application innovation, consumption adaptation, and digitalisation have played pivotal roles. Additionally, we've engineered compact pumped storage plants for decentralised deployment, benefiting municipalities

¹ Equipment supplier and/or manufacturer, maintenance industry, etc.

² Financial, legal & developing institutions, development, public or commercial banks, financial organisations, and private investors/investment funds, international monetary fund, insurance, legal advisors, etc.

³ R&D institutions, research centers and institutes of universities, etc.

⁴ Environmental or conservation NGO's, civil society associations, policy makers, water resources associations, project stakeholders, etc.

	<p>and industries alike and contributing to grid stability while mitigating production fluctuations. Conferences serve as vital hubs for knowledge exchange. Through Viennahydro's organisation, we've established a prestigious forum bridging industry and science.</p> <p>Moreover, a significant milestone was reached with the formation of the EERA - Joint Programme Hydropower and my leadership role in the Digitisation Group. This marked the inaugural consolidation of academic potential. EERA has steadfastly supported hydropower interests in this institution since 2019. Furthermore, since 2022, I've been responsible for leading a COST Action on Sustainable Hydropower, tasked with nurturing and instructing young scientists in this field.</p>
<p>Motivation to become Governing Board member (1300 characters with spaces)</p>	<p>I am motivated to join the Governing Board with a strong desire to make a meaningful impact in the hydropower field and amplify the voice of hydropower within the broader network of institutions. My participation in both EERA and COST Action has prepared me to seamlessly integrate into ETIP, where I can be an ideal complement to support ongoing initiatives.</p> <p>In the forthcoming decades, hydropower faces multi-level challenges in advancing the technology and harmonizing it with the broader energy landscape. We are already witnessing the repercussions of fluctuating electricity generation in our grids, with hydropower plants stepping in as a vital compensatory force. Furthermore, the holistic transformation of hydropower into a truly sustainable resource necessitates interdisciplinary approaches. We can navigate the intricate landscape of hydropower's future by working together. Our collective efforts will enhance the technology and foster seamless integration into the evolving energy system. I look forward to the opportunity to contribute actively to ETIP's mission and play an instrumental role in strengthening the bonds between hydropower and academia, ensuring we meet the challenges and opportunities ahead with unwavering dedication.</p>