ETIP HYDROPOWER Governing Board Application form

Name and surname	Denis AELBRECHT
Photo	
Name of entity (e.g. company, association, etc.)	**Electricite de France (EDF) / Hydro Engineering Center**
Job title / role	Head of Technology
Stakeholder category	☐ Hydropower industry and technology[1] ☒Operator/owner of large hydropower plants and/or pumped storage plant(s) ☐Independent operator/owner of small hydropower plant(s) ☐Design, planning and project development ☐Finance, business and insurance[2] ☐Research, innovation and development[3] ☐Environment and civil society[4]
Country	**France**
Previous experience (1300 characters with spaces)	I work with EDF since 1995 and held successive positions in Hydro R&D and Engineering activities. Since 2017, I am Head of Technology of EDF Hydro Eng. Center. My job is : - to supervise the technical performance of EDF Hydro engineering projects (maintenance, greenfield) in all aspects: dam safety, environmental impact assessment, technical performance of Hydro generation, Hydro flexibility, water resources management and climate resilience of assets - to manage the team of experts of EDF Hydro eng. center in all disciplines : civil engineering, electro-technical equipments, environment, hydro-mechanics, SCADA.

[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.

	- to manage innovations programs of EDF Hydro Engineering Center, like XFLEX-Hydro. I was involved in the Hydropower-Europe consortium 2018-2021 and contributed to the CEP and RIA / SIR deliverables. I have been elected President of CFBR / French-COLD in 2022 after 9 years as member of CFBR executive board. I am chairing the ICOLD committee on Climate Change since 2017 (and involved in that committee since 2009) and chaired the publication of ICOLD bulletin 169 in 2017 ; 3 new bulletins are under preparation (to be published in 2024) In 2019, I was awarded with the 'Grand Prix d'Hydrotechnique' from the Societe Hydrotechnique de France (https://www.shf-hydro.org/).
Motivation to become Governing Board member (1300 characters with spaces)	As mentioned above, I have been actively involved in Hydropower-Europe consortium activities (CEP). I tried to make the best effort to structure and enrich the RIA and SIR reports. I would logically be happy to develop and implement these propositions. Hydropower has unique attributes which are certainly not enough known nor promoted at the European decision-making level : technically performant, flexible, dispatchable on demand, low carbon emitting source of power, cost-competitive, sovereign source of power, and with a high safety standard. Hydro must also recognize that efforts and innovations can be developed to improve its environmental integration, in addition to its low-carbon emission value : hydropeaking impact, ecological flows, sediment management, ... These values position Hydropower as a real catalyst to reach the European ZeroNet and biodiversity overarching objectives. My motivation is clearly to help serve our industry and profession, with representatives from other colleges, to better position Hydropower in the European energy debate : - prepare objective arguments that demonstrate the value of Hydro ; - elaborate R&I propositions ; - create bridges among stakeholders to change the public awareness ; - and also prepare future generations of hydro professionals.