


ETIP HYDROPOWER Governing Board Application form

Name and surname	Dr François K. Edwards
Photo	
Name of entity (e.g. company, association, etc.)	APEM Ltd
Job title / role	Principal freshwater ecologist
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 type="checkbox"/> Research, innovation and development ³ <input checked="" type="checkbox"/> Environment and civil society ⁴
Country	UK
Previous experience (1300 characters with spaces)	<p>I am a freshwater ecologist with 25 years of experience in the consultancy, government and academic sectors. I am a principal consultant at APEM Ltd, an international environmental consultancy focused on aquatic environments. My specialism is the assessment and management of the biodiversity, ecological quality and habitat integrity of rivers, with a focus on ecological status assessments, nature conservation, environmental flow assessments, hydropower management, and the control of water pollution and water scarcity. I have worked on the effects of hydropower schemes on riverine environments and water stakeholders from small run of the river schemes to large megadams. I have experience of establishing sustainable river flows downstream of hydropower schemes ('environmental flows'). I have produced impact assessments of new dam projects on riverine biodiversity, river habitats and water quality. I use my expertise to provide</p>

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>outcomes that optimise exploitation of freshwater ecosystems by human society and promote a sustainable healthy water environment. I work internationally (Europe, Africa, Asia) to deliver applied science, research & development, expert opinion and consultancy services. I am French – English bilingual and also fluent in Spanish.</p>
<p>Motivation to become Governing Board member (1300 characters with spaces)</p>	<p>I wish to become a member of the Governing Board to give just representation to the environment in the operation and development of hydropower schemes. I am a freshwater ecologist with a lengthy career of assessing how flow regulation, abstraction and pollution affect river ecosystems. I am passionate about the sustainable management of rivers for human use and nature conservation. Hydropower holds vast socioeconomic potential, as well as potential to mitigate climate change, but comes with consequence for riverine environments and their stakeholders. I am interested in how hydropower schemes ameliorate or aggravate the suite of multiple stressors affecting rivers that arises from human activity i.e. water scarcity, water quality, habitat and biodiversity loss. Moreover, I am interested in how a holistic approach to the management of hydropower schemes can produce environmentally friendly solutions to deliver multiple benefits. Appropriate management of hydropower resources at national, regional and global scales has the capacity to provide societal and environmental advantages and yield win-win outcomes.</p>