

BRUSSELS HYDROPOWER DAY 2025

(Hybrid Conference):

Contribution of hydropower flexibility and storage in the safe energy transition in partnership with environment under climate change

Date and time: 8th April 2025, 9:00 to 16:15

Location: Le Bouche à Oreille; Rue Félix Hap, 11, 1040 Bruxelles

Registration link: <https://etip-hydropower.eu/events/brussels-hydropower-day-2025/>

Objective: The BRUSSELS HYDROPOWER DAY 2025 aims to provide a platform for stakeholder groups in the hydropower sector and decision makers in the European Commission and Parliament, who are working on relevant policy files concerning hydropower. The purpose is to discuss opportunities and barriers affecting hydropower deployment in the framework of the energy transition considering uncertainties regarding the energy crisis, climate change and the market as well as regulation conditions.

Why attend?

- Find out more about the role of hydropower and energy storage in the energy transition and the impact that 2025-2029 EU legislative cycle will have on it
- Learn about best practice in hydropower deployment with reference to flexibility, social and environmental requirements, and climate change.
- Join the discussion about cooperation with other ETIPs/sectors within the SET Plan on approaches to ensure energy system integration and a flexible safe energy supply.
- Get informed about the next steps of ETIP HYDROPOWER towards “Unifying the voices of hydropower in Europe” and on the output of its thematic Working Groups.

Target audience: the conference will gather participants, representing wide stakeholder groups in the hydropower sector and relevant EU decision-makers

Organizer: ETIP HYDROPOWER

Time	Title
8:45 – 09:15	Registration and welcome coffee
09:15 – 09:35	Opening remarks and welcome speech <i>Opening remarks:</i> Denis Aelbrecht (Governing Board Chair ETIP HYDROPOWER, EDF) <i>Welcome speech:</i> European Commission
09:35 – 10:30	Keynote speeches session: Fulfilling Sustainable Development Goals through European Hydropower
09:35 – 09:50	Keynote 1: Hydropower’s contribution in balancing demands for energy, water, food and the environment (15 min presentation)
09:50 – 10:05	Keynote 2: The strength of European Hydropower industry and supply chain in delivering green and flexible innovation for the energy transition worldwide (15 min presentation)
10:05 – 10:30	Panel discussion involving audience Speakers and further guests are invited to the panel.
10:30 – 10:50	Coffee break
10:50 – 12:00	Session 1: The added value of hydropower to energy security in providing flexibility and energy storage
10:50 – 11:05	Presentation 1: Flexibility needs in the European grid to ensure a safe energy transition (10 min presentation, 5 min Q&A)
11:05 – 11:20	Presentation 2: Experience in operating a large pumped storage scheme under the European Market Constraints (10 min presentation, 5 min Q&A)
11:20 – 11:35	Presentation 3: Effects on power prices and environmental conditions from large hydropower capacity and pumped storage expansion (10 min presentation, 5 min Q&A)
11:35 – 12:00	Panel discussion involving audience. Speakers and further guests are invited to the panel.
12.00 – 13:20	Lunch
13:20 – 14:30	Session 2: Hydropower and the environment in partnership
13:20 – 13:35	Presentation 1: Nature Restoration Law and National Restoration Plans:

	<i>opportunities and challenges for Hydropower in Europe (10 min presentation, 5 min Q&A)</i>
13:35 – 13:50	Presentation 2: Good practices of the European Hydropower industry to address aquatic biodiversity management and sediment flow (10 min presentation, 5 min Q&A)
13:50 – 14:05	Presentation 3: Hydropower successes in addressing environmental concerns and social acceptance (10 min presentation, 5 min Q&A)
14:05 – 14:30	Panel discussion with involvement of audience Speakers and further guests are invited to the panel.
14:30 – 14:50	Coffee break
14:50 – 16:00	Session 3: Hydropower and climate change: challenges and opportunities
14:50 – 15:05	Presentation 1: Effects of climate change on future Hydropower production in Europe (10 min presentation, 5 min Q&A)
15:05 – 15:20	Presentation 2: Hydropower as a key contributor to climate change adaptation, mitigation and water resources management (10 min presentation, 5 min Q&A)
15:20 – 15:35	Presentation 3: Example of case study showcasing the 3 topics: adaptation, multipurpose HPP and water resource management and support to integration of other REN to the grid (as part of mitigation) (10 min presentation, 5 min Q&A)
15:35 – 16:00	Panel discussion with involvement of audience Speakers and further guests are invited to the panel
16:00 – 16:15	Conclusive remarks Speaker: ETIP HYDROPOWER