



Boosting hydropower III: best practices for research

Webinar 13:30-15:00

6th December 2024



Funded by
the European Union

www.etip-hydropower.eu

Agenda

- 13:30 – 13:45** Welcome and introduction to ETIP HYDROPOWER.
Speaker: Anton Schleiss (ICOLD-EPFL)
- 13:45-14:00** Outcomes 2024 “Hydropower and Pumped Storage Hydropower in the European Union” report
Speaker: Emanuele Quaranta (European Commission Joint Research Centre)
- 14:00-14:15** New solutions for Hydropower Plants to enhance operational range, performance and improve environmental impact (SHERPA)
Speaker: Ademir Suarez (Project Coordinator, Iberdrola Generación S.A.)
- 14:15-14:30** Revolutionary refurbishment for an efficient and eco-friendly hydropower (RevHydro)
Speaker: Michel Cervantes (Project Coordinator, Lulea University of Technology)
- 14:30-14:45** Innovative storage technology and operations in hydropower (STOR-HY)
Speaker: Alexandre Presas (Project Coordinator, Universitat Politecnica de Catalunya)
- 14:45-15:00** Q&A Session with all the speakers

Welcome and introduction to ETIP HYDROPOWER

Anton SCHLEISS

Scientific Coordinator ETIP HYDROPOWER

ICOLD-EPFL

Organization of ETIP HYDROPOWER

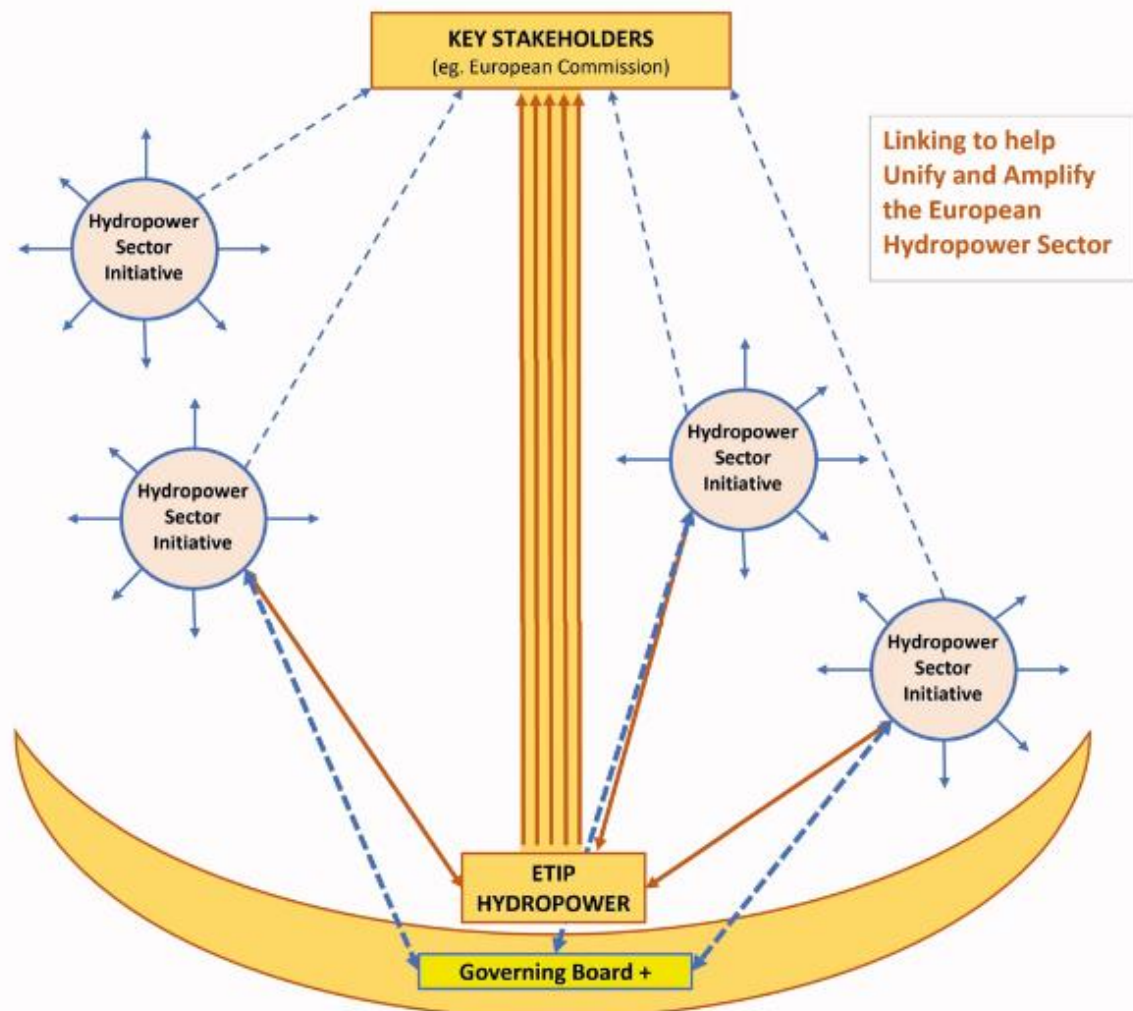
- **ETIP HYDROPOWER Consortium** – Horizon Europe project 2022-2025 (Grant Agreement No. 101075620) providing secretariat to the newly established ETIP-Hydropower
- **Project partners:**



- ETIP HYDROPOWER will enhance and disseminate the RIA and SIR taking into consideration the future needs of the sector and the R&I targets and the emerging policy priorities.

- ETIP HYDROPOWER will consolidate the strong network of the HYDROPOWER EUROPE Forum into a sustainable organization which helps to unify the voices of hydropower in Europe

Added value:
intended role is to help unify & amplify...



A key role for the ETIP HYDROPOWER is to help **unify** the hydropower sector in Europe, presenting a **single voice on key issues**.

This function does not duplicate the role of existing groups and associations – it **enhances**.

We are working with the **Hydropower Alliance** to confirm complementary roles

ETIP HYDROPOWER under action

- An operational structure in place – the Secretariat
- An industry-driven Governance in place, with all stakeholder sectors
- A widely-open Scientific Advisory Board: 26 members

Scientific Coordinator:

- **Anton Schleiss** – ICOLD / EPFL (Switzerland)

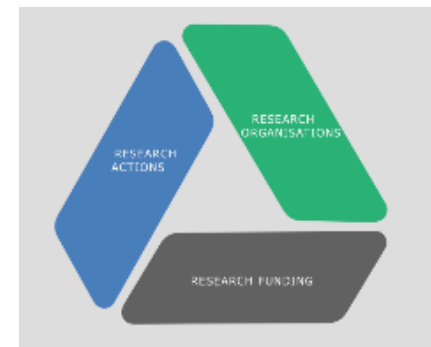
Gov. Board Chair:

- **Denis Aelbrecht** - Electricite de France (EDF) - Hydro Engineering Center (France)

Gov. Board Co-Chairs:

- **Antonella Frigerio** - Ricerca sul Sistema Energetico - RSE S.p.A. (Italy)
- **Peter Stettner** - Andritz Hydro GmbH (Austria)

- Practical products : [HERI platform](#)



ETIP HYDROPOWER under action

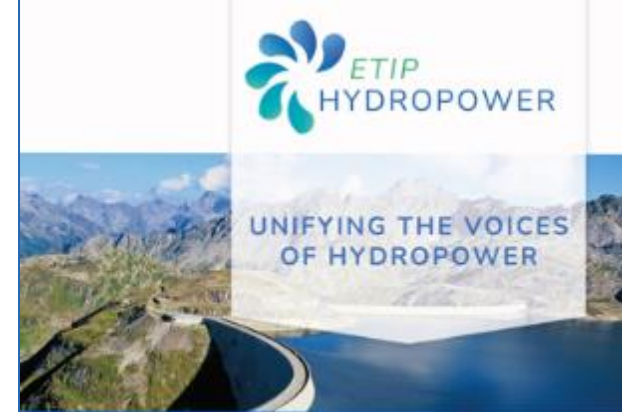
➤ Working Groups:

4 working groups are active since early summer 2024:

1. Hydropower role for flexibility & storage
2. Hydropower and biodiversity
3. Hydropower and climate change
4. Promotion, dissemination and uptake of past and current European R&I projects

First expected results:

Position papers early 2025



UNIFYING THE VOICES
OF HYDROPOWER

Participate in the ETIP HYDROPOWER Working Groups

The ETIP HYDROPOWER Working Groups gather experts from different hydropower sectors and stakeholder groups to focus on R&I priorities and strategic actions identified in the Research and Innovation Agenda (RIA) and Strategic Industry Roadmap (SIR).

The working groups will undertake activities such as:

- Drafting of white papers with key messages to increase decision-maker and public awareness.
- Identifying, prioritizing and updating specific hydropower research & innovation needs.
- Drafting technical statements.
- Helping to facilitate strategic actions of the ETIP HYDROPOWER.

The ETIP HYDROPOWER Governing Board proposes to implement four initial working groups:

1. Hydropower role for flexibility and storage.
2. Hydropower and biodiversity.
3. Hydropower and climate change (adaptation and mitigation).
4. Promotion, dissemination and uptake of past and current European R&I projects.

To participate in any of these working groups, simply send an email to secretariat@etip-hydropower.eu



WG-A: Overview on past and current European R&I projects for hydropower – Follow up and Results Dissemination

General Scope

- Follow-up the Horizon projects related to hydropower
- Inform regularly with a newsletter on the progress of these projects
- Motivate and facilitate the organization of Special sessions at conferences with hydropower as a topic on the outcomes of these projects. A first session moderated by ETIP HYDROPOWER could be during HYDRO 2025 in Tessaloniki in Greece.
- Create a discussion forum among these projects with short webinars (21.5.24 / 18.9.24 / 6.12.24 / ...)

ETIP Secretariat: ICOLD

Confirmed Members: ~20

WG-A

Chair:	Emanuele Quaranta, JRC, Italy
Co Chairs:	Stevcho Mitovski, University Ss C&M, Macedonia Llias Zafeiropoulos, Ubitech Energy, Belgium



In conclusion:

A reminder that

- We provide information via our website at www.etip-hydropower.eu
- We have active social media accounts such as LinkedIn:
- We undertake consultation and communication events via our consultation platform at <https://hydro-consultation.eu>
 - (currently >900 consultees registered...)

The image displays three screenshots related to ETIP Hydropower:

- Top Screenshot:** The ETIP Hydropower website homepage. It features the logo, navigation links (HOME, ABOUT HYDROPOWER, LATEST NEWS, EVENTS, CONSULTATION PLATFORM), and a main banner with the text "UNIFYING THE VOICES OF HYDROPOWER". A text box highlights: "Hydropower plays a leading role in the provision of a green source of electricity in Europe. It supports the integration of wind and solar energy into the supply grid. Hydropower reservoirs also help mitigate floods and droughts, provide water supplies for drinking, irrigation and fish farming and support for navigation services."
- Middle Screenshot:** A LinkedIn profile for ETIP HYDROPOWER, showing 4,783 followers and a "Create" button.
- Bottom Screenshot:** The "HYDROPOWER in Europe Consultation Platform" website. It lists "Consultation Events" such as "25th April 2023 BRUSSELS HYDROPOWER DAY 2023" and "23rd Feb 2022 HYDROPOWER EUROPE Online Event: The Important Role of Hydropower in the Energy Transition". It also features "Current Events" and "Past Discussion & Dissemination Events" with dates and topics.

SPEAKERS

BOOSTING HYDROPOWER III

Best Practices for Research



**Emanuele
Quaranta**



SPEAKERS

BOOSTING HYDROPOWER III Best Practices for Research



**Ademir
Suárez**



SHERPA

SPEAKERS

BOOSTING HYDROPOWER III Best Practices for Research



**Michel
Cervantes**



SPEAKERS

BOOSTING HYDROPOWER III Best Practices for Research



**Alexandre
Presas**

STOR-HY



Q&A

Questions for our speakers



Anthon Schleiss
ETIP HYDROPOWER



Emanuele Quaranta
European Commission



Ademir Suárez
SHERPA



Michel Cervantes
RevHydro



Alexandre Presas
STOR-HY





WEBINAR
BOOSTING HYDROPOWER III
Best Practices for Research

THANK YOU ALL!



**Why does Santa love
hydropower at Christmas?
Because it's raindeer
powered! 💧 ⚡**

