



OCTOBER 29th-30th, 2024
PIACENZA - ITALY



Forum of leading companies
and organisations committed to
deliver sustainable hydropower

Piacenza Expo - Via Tirotti 11 (Loc. Le Mose) - 29122 Piacenza (Italy) - Tel. +39 0523 602711 - P.IVA 00143280337

The role of hydropower in the energy transition process

AQUAWATT: Hydropower in the Energy Transition

Piacenza, 29th October 2024 – 14:30 – Room A

Strengthening the role of hydropower plants, thanks to the advantages offered today by new technologies aimed at improving generation flexibility and energy storage capacity (e.g., digitalisation, more flexible turbines, hybridisation), is a necessary factor to provide the balancing services increasingly needed by the power grid for the exploitation of renewable energy characterized by intermittent generation.

The workshop aims to provide insights on the advantages offered by the deployment of new flexibility technologies and hydropower pumped storage facilities to achieve European green deal goals towards a climate-neutral energy system. The benefits of other solutions, such as floating photovoltaic systems for reservoirs or the heightening of existing dams to increase water storage capacity, are addressed.

The initiatives promoted by AQUAWATT thus constitute a specific framework dedicated to the role of hydropower in the energy transition aimed at identifying possible synergies for the development of the sector.

WORKSHOP curated by ITCOLD and ETIP HYDROPOWER (3 hours)

Hydropower as catalyst for the energy transition in Europe

ETIP HYDROPOWER Secretariat

XFLEX HYDRO: increasing the flexibility of hydropower

Matteo Bianciotto, IHA

Hybridization of hydroelectric plants with floating & Canal coverage PV plants: a great opportunity

Michele Verzillo, ENEL Green Power

Sustainable development of pumped hydro storage for a green energy transition in Europe

Emanuele Quaranta, JRC

Innovation and experience in international hydropower projects: from pumped storage to dams heightening

Daniele Gualco, Gruner

Pumped hydro storage in Italy: present and future development

Ezio Baldovin, Geotecna Progetti

Utility scale storage needs and market-based support scheme in Italy

Michele Benini, RSE



[Register to get your free admission pass to AQUAWATT 2024 by email](#)

NOTE: *conference in English*