



POWERING EUROPE IN A
SUSTAINABLE WAY

HYDROPOWER EUROPE Mediterranean Workshop

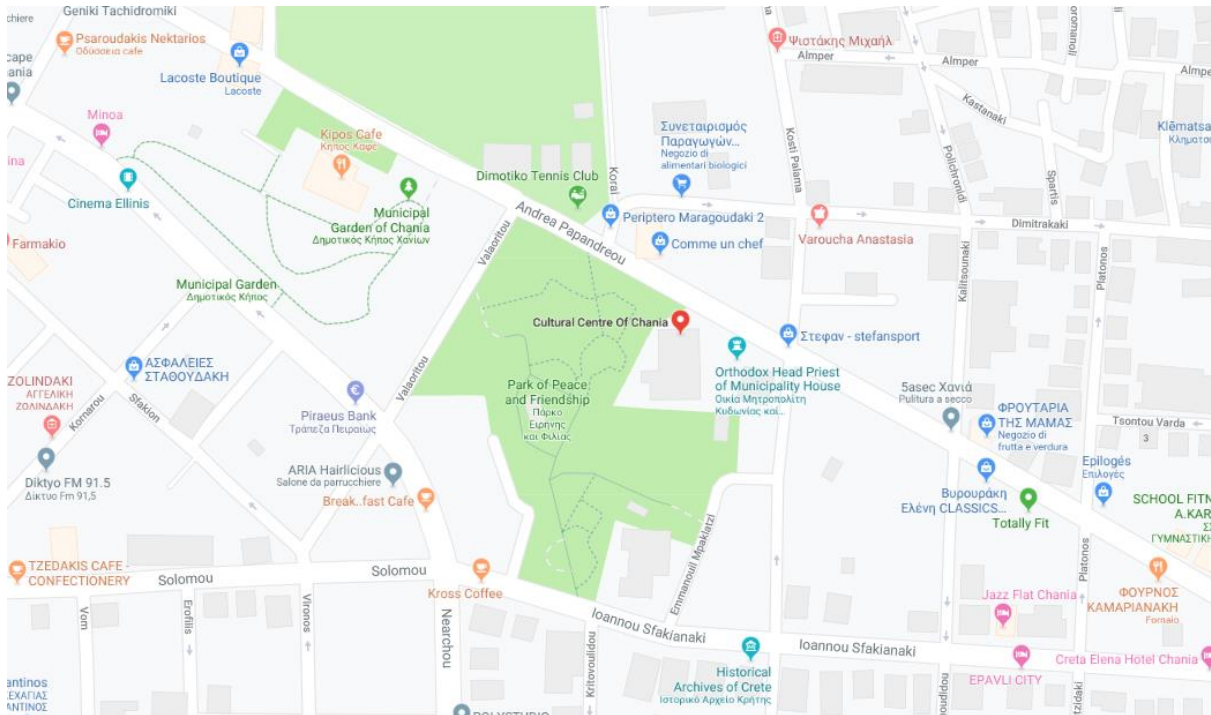
30 September – 1 October 2019
Cultural Centre of Chania
Chania, Greece



The HYDROPOWER EUROPE Forum is supported by a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 826010

Cultural Centre of Chania

Andrea Papandreou 74, Chania



The HYDROPOWER EUROPE Mediterranean Workshop is supported by:



ΠΕΡΙΦΕΡΕΙΑ ΚΡΗΤΗΣ
REGION OF CRETE

ΠΕΡΙΦΕΡΕΙΑΚΗ ΕΝΟΤΗΤΑ ΧΑΝΙΩΝ

Agenda

30 September 2019

12:00 – 13:00 **Registrations and Lunch**

Opening Remarks

13:00 – 13:05 **George Dounias**, President, Greek Committee on Large Dams

HYDROPOWER EUROPE: Powering Europe in a Sustainable Way

Presentation of the Project

13:05 – 13:20 **Anton Schleiss**, Honorary President, International Commission on Large Dams and HYDROPOWER EUROPE Project Coordinator

How to Build the Research & Innovation Agenda and Strategic Industry Roadmap for the Hydropower Sector

13:20 – 13:35 *Presentation of the Consultation Process*

Patrick Clerens, Secretary General, EASE – The European Association for Storage of Energy

A Policy Framework that Fosters Research and Innovation for Hydropower in Europe

13:35 – 13:50 **Thomas Schleker**, Project Officer, Directorate-General for Research and Innovation, European Commission (*web-streaming*)

Views of high-level officials

13:50 – 14:20 **To be confirmed**

14:20 – 14:40 **Q&A**

14:40 – 15:00 **Coffee Break**

Perspectives and Case Studies for Hydropower: Regional Outlook in Mediterranean Countries

15:00 – 15:50 **Moderator: Christos K. Dimou**, Civil Engineer, Public Power Corporation

The situation of pumped storage in Greece

Christos K. Dimou, Civil Engineer, Public Power Corporation

Challenges for hydropower in the future decarbonised economy. The case of Spain

Fernando Perán Montero, Responsible for the electromechanical technical service, Iberdrola

Key challenges for hydropower from an Albanian perspective

Erlet Shaqe, Chairman, Albania Energy Association

15:50 – 16:10 **Q&A**

16:10 – 16:30 **Coffee Break**

Perspectives and Case Studies for Hydropower: Regional Outlook in Mediterranean Countries

Manuel Alberto Oliveira, Head of Optimization and Maintenance of Hydro Assets, EDP - Energias de Portugal

16:30 – 17:20 *Future of hydropower schemes in respect with the environment and their role in climate change mitigation*

Enrique Cifres, Vice-President, International Commission on Large Dams

Michael Panagiotopoulos, Centre for Renewable Energy Sources and Saving

17:20 – 17:40 **Q&A**

Closing Remarks

17:40 – 17:50 **Jean-Jacques Fry**, President, International Commission on Large Dams – European Club (EURCOLD)

1 October 2019

8:30 – 9:00 **Registrations**

Opening Remarks

9:00 – 9:05 **Patrick Clerens**, Secretary General, EASE – The European Association for Storage of Energy

Structure and Elements of the Research and Innovation Agenda

9:05 – 9:20 **Emiliano Cora**, Policy and Project Officer, EUREC - the Association of European Renewable Energy Research Centres

9:20 – 9:30 **Q&A**

Debating the Research and Innovation Agenda

Participants, divided into focus groups, will have the possibility to discuss strengths, weaknesses, opportunities and threats around specific issues that the Hydropower sector has to face in Europe.

The discussion will be focused on several statements covering the following topics:

9:30 – 10:30

- The challenge of increasing storage in existing or with new reservoirs
- Pumped hydro storage: a tool to enable security and flexibility of the energy system
- Upgrading existing hydropower plants: technical challenges and opportunities
- Possible contribution of small hydropower and hydro marine energy solutions
- Role of hydropower in mitigation of global warming effects considering performance and resilience
- Innovative design, multi-purpose projects and social acceptance

10:30 – 11:00 **Coffee Break**

Presentation of Focus Group Results

Moderator: **Patrick Clerens**, Secretary General, EASE – The European Association for Storage of Energy

11:00 – 12:00 One representative for each focus group will present the outcome of the discussion and the key needs for the development of a Research and Innovation Agenda for Hydropower.

The presentations will be followed by Q&A.

12:00 – 13:00 **Lunch**

Structure and Elements of the Strategic Industry Roadmap

13:00 – 13:20 **Jean-Jacques Fry**, President European Club (EURCOLD), International Commission on Large Dams

13:20 – 13:30 **Q&A**

Debating the Strategic Industry Roadmap

Participants, divided into focus groups, will have the possibility to discuss strengths, weaknesses, opportunities and threats that the Hydropower sector has to face in Europe.

13:30 – 14:30 The discussion will be focused on several statements covering the following topics:

- Potential development and research needs
- Challenge of hydropower large scale deployment
- Sustainability and auxiliary services: flood protection, navigation, water supply, irrigation...
- Environmentally friendly solutions: a future business case for hydro?
- Hydropower: a safe long-term investment with high economic return under liberalized and undistorted market conditions

14:30 – 15:00 **Coffee Break**

Presentation of Focus Group Results

Moderator: **Jean-Jacques Fry**, President European Club (EURCOLD), International Commission on Large Dams

15:00 – 16:00 One representative for each focus group will present the outcome of the discussion and the key needs for the development of a Strategic Industry Roadmap for Hydropower.

The presentations will be followed by Q&A.

Closing Remarks

16:00 – 16:10 **Jean-Jacques Fry**, President European Club (EURCOLD), International Commission on Large Dams

Anton Schleiss, Honorary President, International Commission on Large Dams and HYDROPOWER EUROPE Project Coordinator