

**Penstocks, pressure shafts
& pressure tunnels**

workshop



European Working Group on Penstocks & Pressure Shafts **Workshop - Opening**

Graz, 21st November 2024

Alfredo Granados, Secretary of EurCOLD
Sera Lazaridou, President of EurCOLD

Organized and supported by:



EurCOLD Members & Objectives

27 European ICOLD member countries are EurCOLD members



MAIN OBJECTIVES (CONSTITUTION, 1995)

Encourage EWG and European Symposia

Encourage co-operation and exchange information among European countries

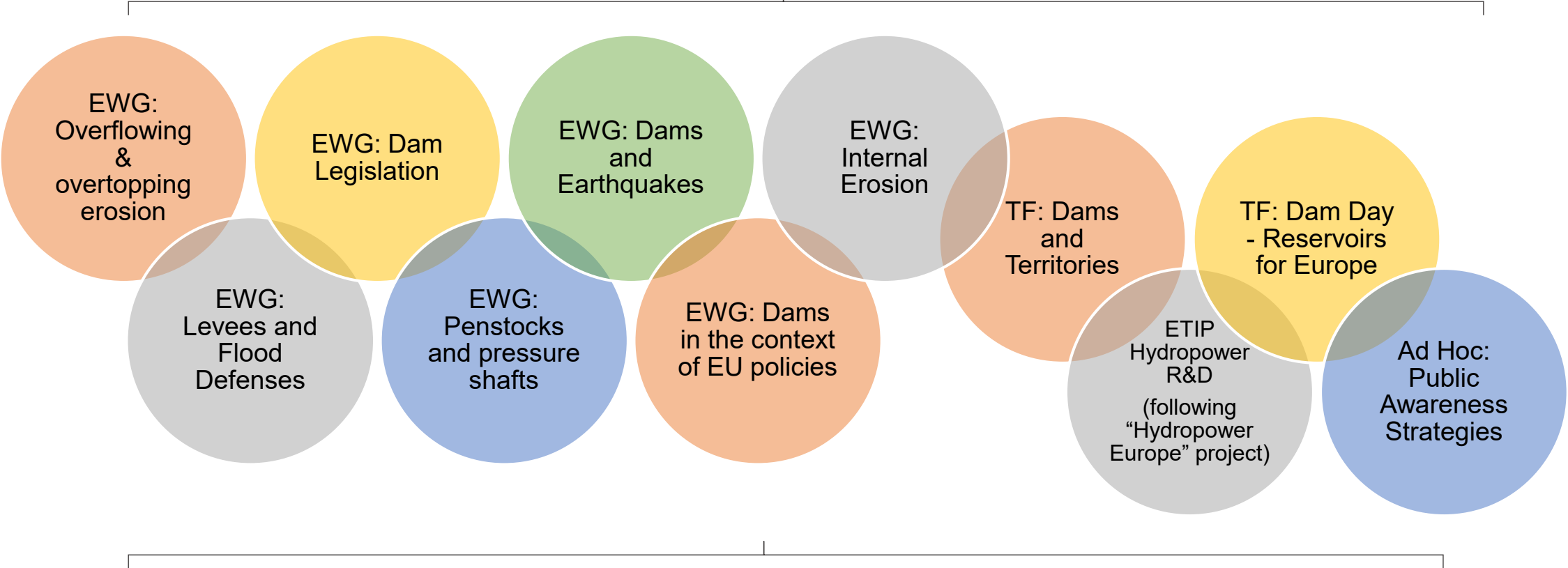
Provide expert technical advice in relation to dam and reservoir safety, where requested

Participate in public relations activities to explain social, environmental and economic benefits of dams

Promote co-operation in professional training of Young Professionals

EurCOLD Active EWG & TF

Interact and collaborate with ICOLD Technical Committees



Organize Meetings, Workshops, Seminars, Symposiums

EurCOLD Main tools & actions

European SYMPOSIA

Last: 12th EurCOLD Symposium, “The role of dams in the energy transition”

Interlaken (Switzerland), September 2023



Next 13th EurCOLD Symposium

Bydgoszcz (Poland), September 2026

EWG & TF

12 EWG completed their task

7 active EWG
2 Task forces

1 Ad Hoc Group

Research actions

Finished:
Hydropower Europe

On going:
ETIP Hydropower



Public awareness



Dam Day 2025
Under preparation,
May 2025

Manifesto
Updating & Upgrading

Information could be found on the EurCOLD website and LinkedIn:
<https://eurcold.apambiente.pt>
LinkedIn: ICOLD European Club (EURCOLD)

EWG on Penstocks & Pressure shafts

Established in 2019 (Chania Board Meeting)

Focuses on very important elements of the hydropower infrastructure, with the objective to prepare a bulletin

Selection of topics and initial layout of the bulletin, with the basis of the work done by ITCOLD

1st Workshop in Milano, November 2022

To share and review experiences on materials, calculation methods, incidents and practical experiences

The bulletin is under development, with a significant stage of progress



Now is the perfect moment to share its content and explore new ideas to refine it further



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EurCOLD
Working Group

November 21st
2024

Online & in presence

Date and time
November 21, 2024
08:00 - 21:30, UTC +1

Location
TU Graz
Lecture Hall HS I
Rechbauerstraße 12
A-8010 Graz (Austria)

Registration
Via ewg2024@tugraz.at by November 15, 2024

organized and supported by

ATCOLD
Association of Transnational Commission on Large Dams

TU Graz

RSE
Ricerca Scientifica
Energia

mokveld

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Thanks to the organizers, speakers and participants
Enjoy the workshop!

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