

# I TECHNICAL COMMITTEES di ICOLD

## Il contributo italiano



## ***"Working Groups - European Club"***

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**Giovanni Ruggeri**



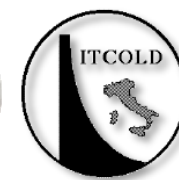
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<https://cnpgeb.apambiente.pt/IcoldClub/index.htm>




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## ICOLD EUROPEAN CLUB



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## Protections 2020

### NEW DATE

**4<sup>th</sup> INTERNATIONAL ON DAM PROTECTION AGAINST OVERTOPPING**  
Madrid, Spain  
**10 – 12 November 2021**

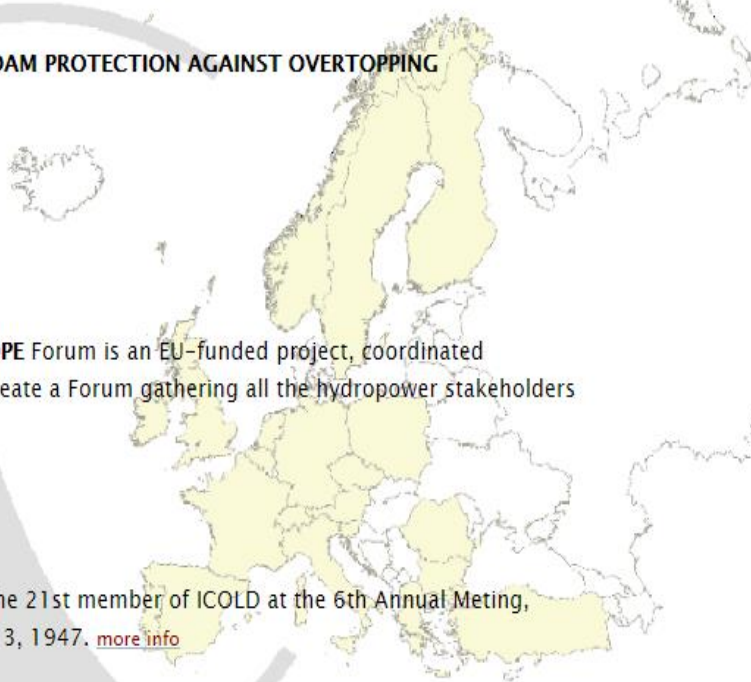


The **HYDROPOWER EUROPE** Forum is an EU-funded project, coordinated by ICOLD, that aims to create a Forum gathering all the hydropower stakeholders throughout Europe.



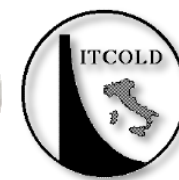
ICOLD 26<sup>th</sup> Annual Meeting in Helsinki, 1960

Finland was elected as the 21st member of ICOLD at the 6th Annual Meeting, in Hague, on September 3, 1947. [more info](#)





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## ICOLD EUROPEAN CLUB



### EUCOLD NEWS

**NEW DATE**

#### Protection 2010

#### PROTECTION AGAINST OVERTOPPING

Forum is an EU-funded project, coordinated to create a Forum gathering all the hydropower stakeholders throughout Europe.



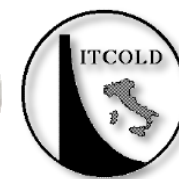
ICOLD 26<sup>th</sup> Annual Meeting in Helsinki, 1960

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**WORKING GROUPS**



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## ICOLD EUROPEAN CLUB



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#### DAM LEGISLATION

Co-ordinator (2001): P. Le Delliou (France)

Co-ordinator (2007): G. Ruggeri (Italy) - (gruggeri1955@gmail.com)

*Subsequent updating process: by ICOLD National Committees*

#### Final Report

(Last update December 2020)

PDF 1 Mb

#### Dam Legislation Annexes:

- Albania (winzip file 982 Kb)
- Finland (winzip file 170 Kb)
- France (winzip file 3 Mb) (pdf file 250 Kb)
- Italy (winzip file 2.2 Mb)
- Norway (winzip file 174 Kb)
- Portugal (winzip file 2.3 Mb)
- Spain (winzip file 481 Kb)
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- Switzerland (winzip file 205 Kb)
- United Kingdom (winzip file 1.4 Mb)



#### GEOMEMBRANES AND GEOSYNTHETICS AS FACING MATERIALS

Coordinator: Alberto M. Scuero (Italy) - alberto.scuero@carpitech.com



#### UPLIFT PRESSURES UNDER CONCRETE DAMS

Coordinator: G. Ruggeri (Italy) - (gruggeri1955@gmail.com)



#### SLIDING OF CONCRETE DAMS

Coordinator: G. Ruggeri (Italy) - (gruggeri1955@gmail.com)



#### EUROPEAN WATER DIRECTIVE

#### Final Report

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#### Final Report

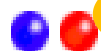
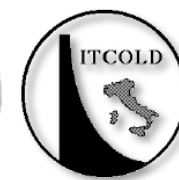
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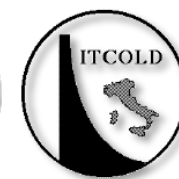
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## SLIDING OF CONCRETE DAMS

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## EUROPEAN WATER DIRECTIVE

Coordinator: G. Heigerth (Austria)

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## SEISMIC CRITERIA

Coordinator: N. Reilly (United Kingdom)

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## AGEING OF CONCRETE DAMS

Coordinator: R. del Hoyo (Spain)

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## EDUCATION

Co-ordinator: Pier Paolo Marini (Italy)

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## FLOODS

Coordinator: Luis Berga (Spain)

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## PUBLIC SAFETY

Coordinator: U. Norstedt (Sweden)

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## DAM SAFETY OF EXISTING DAMS

Coordinator: J. Rocha Afonso (Portugal) - [joserochaafonso@outlook.com](mailto:joserochaafonso@outlook.com)

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## TASK FORCE TO DEVELOP A MANIFESTO FOR SMARTER DAMS AND RESERVOIRS GOVERNANCE IN EUROPE

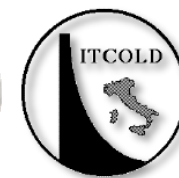
Coordinator: Massimo Meghella (Italy)

Manifesto

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## LEVEES AND FLOOD DEFENCES

Coordinators: Marcel Bottema (Netherlands) - (marcel.bottema@rws.nl);  
Rémy Tourment (France) - (remy.tourment@irstea.fr)

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## EWG DAMS AND EARTHQUAKES

Coordinator: Guillaume Veylon (France) - (guillaume.veylon@irstea.fr)

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## INTERNAL EROSION OF DAMS, DIKES AND LEVEES AND THEIR FOUNDATIONS

Coordinator: Stephane Bonelli (France) - (stephane.bonelli@irstea.fr)

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## MANAGEMENT OF DAMS INCIDENTS

Coordinator: Juha Laasonen (Finland) - (juha.laasonen@fortum.com)

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## OVERFLOWING AND OVERTOPPING EROSION

Coordinator: Jean-Robert Courivaud (France) - (jean-robert.courivaud@edf.fr)

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## PENSTOCKS AND PRESSURE SHAFT

Coordinator: Antonella Frigerio (Italy) - (antonella.frigerio@rse-web.it)

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## TASK FORCE ON "DAMS AND TERRITORIES"

Coordinator: Guido Mazzà (Italy) - (mazzguido@gmail.com)

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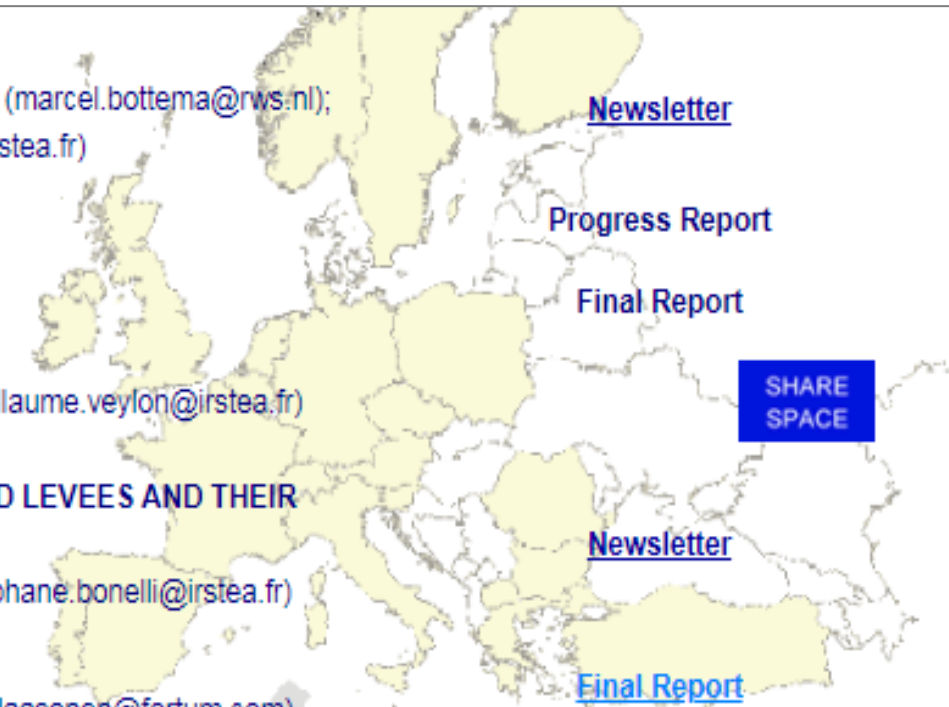
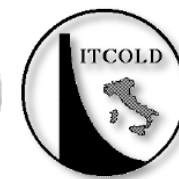
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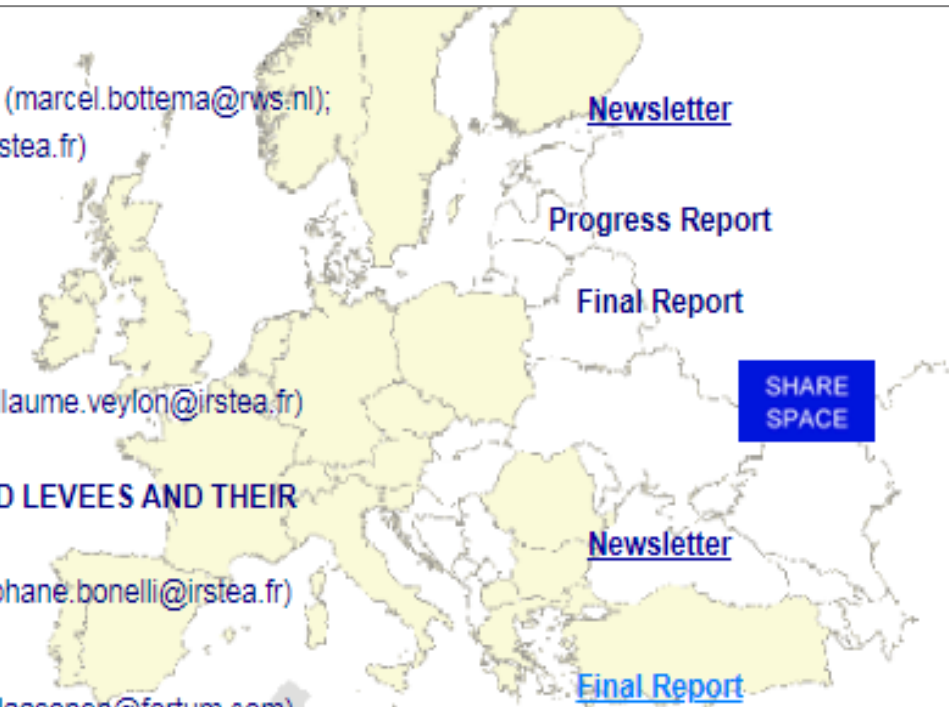
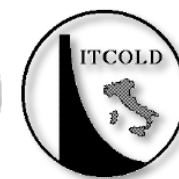
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