



## EURCOLD Board Meeting



### **ICOLD EUROPEAN CLUB**

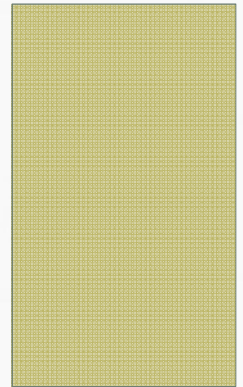
### **Activities of European Working Groups (EWG) and Task Forces (TF)**

Monday, November 30<sup>th</sup>, 2020

### **TASK FORCE ON DAMS AND TERRITORIES**

GUIDO MAZZA'

Chairman of the Committee "Computational Aspects of Analysis and Design of Dams"  
Vice President of ITCOLD



# THE ITCOLD INITIATIVE

The Italian Committee on Large Dams has launched the initiative of assessing the relationship between dam owners and host territories at the beginning of the 2010's



Investigation on the social, economic and environmental role of dams and on the relation between dams and host territories



# PRO-ACTIVITY OF DAM OWNERS

## Enquiry covering three macro-fields



**Environmental management actions**  
Dam owners' actions concerning the environmental management at the dam site; e.g. reforestation, fauna protection, etc.



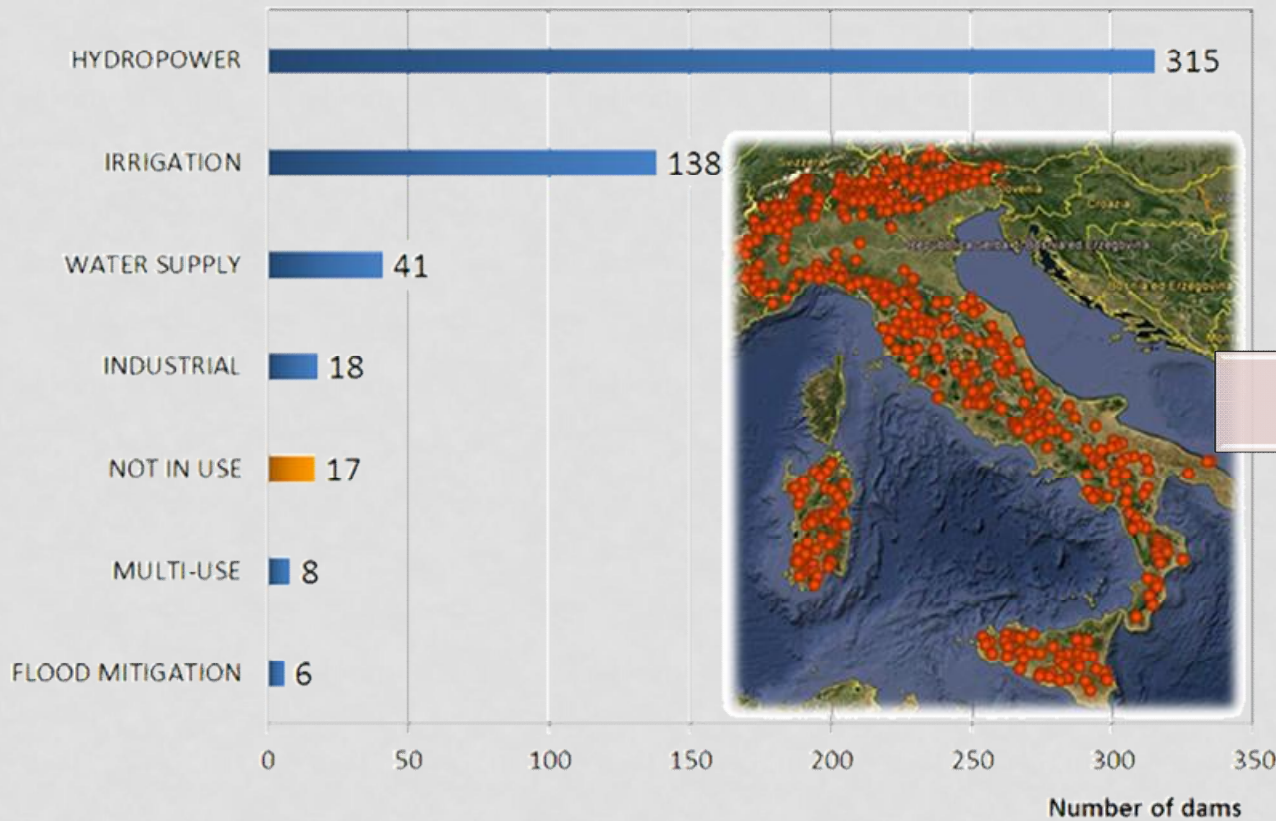
**Promotion of local development**  
Dam owners' actions concerning the promotion of the use of dams/reservoirs and to facilitate the communication at local level.



**Transfer of water and money resources**  
to the host territory

# PRO-ACTIVITY OF DAM OWNERS

56 dams, owned by 17 (hydropower and water supply) dam owners



# STAKEHOLDERS' VISION

## Organization of Workshops on the Italian territory



**Bolzano, 2014**



**Copanello (CZ), 2015**



**Bologna, 2016**



**Rieti, 2017**



**Genova, 2018**



**Palermo, 2019**

11/06/2019



# STAKEHOLDERS' VISION

**The view of stakeholders is influenced by the local socio-economic and environmental context: elements emerged during the 6 workshops**

- ✓ Activation of continuous discussions at institutional level between dam owners and stakeholders to minimize the negative effects related to the presence of dams
- ✓ Identify improvement actions and forms of compensation for negative externalities
- ✓ Management of water resources relating them to the development of the local economy
- ✓ Review the regulatory constraints to favor the targeted creation of new reservoirs to support local economy
- ✓ Greater attention to the monitoring of the water body: transition from the concept of minimum vital flow to ecological flow; greater attention to the phenomena of hydropeaking and thermo-peaking;
- ✓ Greater attention to the role of dams for the mitigation of extreme phenomena (floods and/or water deficits) linked to climate change
- ✓ Activation of integrative uses where not present (use of reservoirs to fight fires, recreational activities, creation of natural oases, etc.)
- ✓ Review the choices made with regard to mini-hydro which did not bring the expected positive results (in particular due to the strong limits in terms of environmental quality)



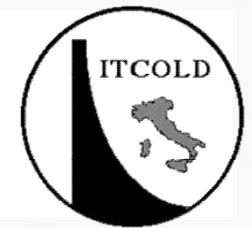
## TASK FORCE OBJECTIVES



- ✓ The Italian experience can provide indications on the best and innovative practices in dam management on the stakeholders' perception about the role of dams and the pro-activity of dam owners.
- ✓ ITCOLD initiative can help to overcome prejudices on the role of dams and to facilitate the dialogue between different views and interests.
- ✓ Experience done by ITCOLD have been proposed in the frame of the HYDROPOWER EUROPE PROJECT and Call EDG 7.1 (European Green Deal Call - European Commission).



# TASK FORCE ON DAMS AND TERRITORIES



**Guido MAZZA'**

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