



Ecologically sustainable and safe reservoirs designed for adaptation to Climate Change

The BECCA project is set against a backdrop of progressive droughts that are widely affecting western, northeastern, and southern Europe, and especially areas in the Alpine arc (Source: Copernicus), where the greatest precipitation deficits have been recorded in recent years.

In an effort to reduce the effects of climate change, administrations and land management bodies are working to identify effective and environmentally sustainable solutions for climate change adaptation.

One of the solutions identified is the creation of small and medium-sized basins in mountainous territories. Despite that, Italian and French supervisory authorities (Piedmont and Aosta Valley regions, INRAE) have found that small and medium-sized reservoirs in cross-border regions are often inadequately designed, generating strong impacts on the environment and natural habitats and being risky for population in case of collapse.

The BECCA project aims to ensure the proper design of reservoirs as well as the upgrade of the safety level of existing ones.

These decision support tools will engage local stakeholders in defining best practices for the design, implementation, securing, and management of reservoirs with a focus on impacts on mountain ecology and population resilience and safety.

PROJECT DURATION

36 months

(from October 9th 2023 to October 9th 2026)

WEBSITE AND SOCIAL MEDIA

Under construction

PARTNERS

- Regione Autonoma Valle d'Aosta
- Regione Piemonte
- Institut National de Recherche pour l'agriculture, l'alimentation et l'environnement
- Politecnico di Torino
- Université Savoie Mont Blanc

FUNDING INSTRUMENT

- Interreg VI-A Francia-Italia (ALCOTRA) 2021 - 2027
- European Regional Development Fund (ERDF)
- Fondo di rotazione nazionale

BUDGET

Funding for POLITO
(DIAT + DISEG): 421 544,62 €

Scientific Manager for DIATI:
Prof. Daniele Ganora



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