



Implementation of a network of services for the study, protection, valorisation and sustainable management of water on a local and regional scale on a cross-border alpine territory

The water stored in the glaciers of the Alps and retained in the groundwater is a common good for millions of people and **represents the largest reserve in Europe**. The storage and transfer of water in Alpine regions are decisively controlled by the geology and morphology of the territory. The future availability of water resources in relation to climate change is therefore independent of administrative boundaries.

The main objective of the RESERVAQUA project is to quantify the real availability of water in terms of both quantity and quality, so that it can be used more rationally for drinking, agricultural and industrial purposes.

Objectives of the project:

- **To use and exploit available datasets to quantify the potential of the water resources of the Alpine river basins.** The project develops a three-dimensional cross-border view of the water cycle, considering the physical and socio-economic constraints;
- **To make available tools to support the sustainable management of Alpine water resources**, taking into account the evolution of uses and needs, in a context of climate and global change;
- **To lay the foundations for cross-border governance of water resources** and actively contribute to the development of a "water culture" through awareness-raising and training actions.

PARTNERS

- CANTON DU VALAIS - DTEE (Coordinator – CH)
- Regione Autonoma Valle d'Aosta (Coordinator – IT)
- Politecnico di Torino – DIATI
- IAR: Institut Agricole Régional di Aosta
- FONDAZIONE MONTAGNA SICURA
- MONTAGNE SÛRE
- ARPA VALLE D'AOSTA
- ARPA PIEMONTE
- CREALP, CENTRE DE RECHERCHE SUR L'ENVIRONNEMENT ALPIN
- SCA: Service cantonal de l'agriculture

FUNDING INSTRUMENT

Programma di Cooperazione INTERREG V-A ITALIA – SVIZZERA 2014-2020

BUDGET

Total funding: **1.684.268,65 €** (70.544,00 € allocated to DIATI)

POLITO and DIATI's role:

Politecnico di Torino – DIATI is partner of the Consortium.

Scientific supervisor for DIATI:

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