

Technical Factsheet | Bosco Limite Project

The Project

The project is located in the **Middle Brenta Basin**, in the Veneto region, and is being developed in collaboration with the Brenta Water Basin Authority, the Brenta Land Reclamation Consortium, and Etifor.

The initiative involves the construction of two infiltration basins supplied by water from the Brenta River, designed to promote water infiltration into the ground and the recharge of shallow aquifers. Project outcomes will be monitored through specific hydrological indicators defined as part of the monitoring activities.

Investment

Total investment: €1.3 million

Investment Timeline

2023-2025 | €815,000

Hydrological studies and monitoring activities were carried out to establish the environmental and hydrological baseline, develop detailed project designs, and obtain the necessary permits.

The main project works were implemented, including hydraulic infrastructure, vegetation restoration measures, the conversion of intensive agricultural land into permanent grassland with pollinator-friendly herbaceous species, and facilities supporting site management and public access.

2026 | €33,000

Installation of the monitoring equipment required to track water quality and flow rate parameters at the inlet of the project area will be completed.

2026-2030 | €503,000

Implementation of the multi-year maintenance programme covering hydraulic infrastructure, the wetland area, and the green spaces created through the project.

Continuation of water quality monitoring activities for both the water feeding the infiltration basins and groundwater, through monitoring points located upstream and downstream of the project site.

Expected Benefits

- Contribute to aquifer recharge through the infiltration of surface water into the ground via the two infiltration basins during periods of higher flow in the Brenta River.
- Generate an estimated infiltration capacity of approximately 750,000 m³ of water per year, according to the technical assessments developed within the project.

- Increase water availability during drought periods and improve water resource management during periods of excess water availability.

Measurement, Monitoring and Reporting

- Throughout the implementation period, infiltrated water volumes and groundwater recharge indicators will be monitored. Monitoring activities will also include the collection and analysis of data to assess the evolution of local hydrogeological conditions and the long-term performance of the infiltration basins. Monitoring is carried out continuously through a sensor network connected to an online data platform.
- The water benefit generated by the project is assessed annually by Bluerisk, which issues a certificate reporting the actual water benefit volumes achieved following its analysis.

Project progress and related monitoring indicators will be independently verified on an annual basis by a qualified third-party provider. The outcomes of this verification process will contribute to ensuring the transparency and reliability of the information disclosed.