

Technology and modelling for integrated water management as an adaptation to climate change for Uruguay's main source of drinking water

The project will incorporate an operational warning system for quantity and quality of water resources management and will strengthen the governance of the basin from a rights-based perspective. Two gender-sensitive pilot projects with potential for replicability and scalability are being implemented.



Implementation period

36 months

Countries



Uruguay

EU grant amount

€1.499.150

Overall Project amount

€3.108.070

Objectives:

General:

Strengthen the resilience of Montevideo and its Metropolitan Area, as well as of the urban localities of the Santa Lucía River basin to the impacts of climate variability and change, focusing efforts on an integrated management of water resources to guarantee the quantity and quality of its source of drinking water.

Especific:

Adopt technology and modelling in the management of water resources in the Santa Lucía river basin and strengthen its governance from the perspective of rights to support decision-making and the formulation of public policies from a perspective of integrated water resource management in favour of the source of drinking water for 60% of the country's population.

Pilot sites

Uruguay, Santa Lucía River Basin, of vital national importance as a source of drinking water for its population, the population of Montevideo and its Metropolitan Area (60% of the country's population) and for being one of the poles of food production.

Beneficiaries:

Direct:

- Inhabitants of the Santa Lucía River basin (96.4% reside in urban centres) and those living in Montevideo and its Metropolitan Area, 1,943,952 (almost 60% of the country's total population), with a more secure source of water supply.

Indirect

- The new generations of environmental hydraulic engineering professionals by having a national academy strengthened by the knowledge transferred from Europe (Deltares) and the developments made by UDELAR in the project.
- All users of the water resources of the Santa Lucía River Basin count on DINAGUA as a tool for water resource management based on the state of the art, incorporated into day-to-day decisions by its two regional managers (regional managers).

Map- Project intervention areas



Expected results

- The MVOTMA adopts the operational quantity and quality early warning and water resources management system to support decision-making in the St. Lucia River Basin.
- Technical support is given to the definition of public policies, in particular to the 2nd generation Action Plan.
- The Santa Lucía River Basin strengthens its governance, with a Basin Commission where its stakeholders, women and men, exercise their participation rights and co-construct the Basin Plan and its implementation.
- The Santa Lucía River Basin is strengthened in its capacity for adaptation and resilience in the provision of ecosystem services for its inhabitants and the territories linked to its drinking water services.
- South American cities learn about water management and urban resilience for replication

Partners

Lead Implementer



Contact

Arq. Viviana Pesce

National Director of the National Directorate of Waters (DINAGUA) - Ministry of the Environment

viviana.pesce@ambiente.gub.uy

Cofinanciado por:

Implementado por:

