

## IMPROVING THE IMPLEMENTATION OF INTEGRATED MANAGEMENT OF WATER RESOURCES AND THEIR MULTIPLE USES IN BRASIL - INTERÁGUAS



**Code:** 4285-00

**Country:** Brasil

**Starting year:** 2014

**Year completed:** 2025

### Objective

Improve the implementation of integrated management of water resources and their multiple uses in Brasil.

### NBS ANSWERS

#### How has IICA integrated NbS into its projects?

The project integrates Nature-based Solutions (NbS) to improve water use efficiency, highlighting agroforestry systems and cisterns, which contribute to the preservation of natural resources and promote social welfare through access to water and agricultural production.

It also proposes interventions to revitalize urban micro-watersheds through sustainable management of the hydrological regime, with sustainable urban drainage systems such as permeable pavements, rain gardens and detention reservoirs, in addition to the recovery of degraded Permanent Preservation Areas (PPAs), including the revegetation of riverbanks and the recovery of aquifer recharge areas, measures that restore ecological function and increase water retention capacity, contributing to the mitigation of extreme climate events. Likewise, aquifer recharge actions are proposed through systems based on natural processes, such as recharge boxes, ditches and channels.

#### What lessons learned can you share about working with farmers to implement NbS?

Farmers can learn from these experiences about the possibility of using agroforestry systems in their production and the installation of cisterns to improve water use efficiency, which can be implemented as nature-based solutions if associated with the objective of environmental conservation.

#### What examples of innovation in NbS can you share from your experience at IICA?

Rain gardens, agroforestry systems, installation of cisterns and aquifer recharge systems are examples of NbS innovation covered by the technical experiences of this project.

#### How are you promoting NbS education and training among farmers?

In this project, as for SbN-related products, only the technical reports published in the official government media were produced.