

Water Sowing and Harvesting & Ecosystem Services

Water Sowing and Harvesting, Water Service Fee and Acknowledgement of Environmental Service
Payment in the South-South Cooperation Framework

[Learn more about the project extension](#)



Implementation period

24 months

February 2019 - February 2021

Countries



EU grant amount

€ 775,491

Overall project amount

€ 983,431

OBJETIVE

- **Costa Rica:** Water was supplied in semi-arid areas of tropical dry forest.
- **Peru:** Basins were protected and restored through an ecosystem service payment system and water service fee.

PILOT SITES

Guanacaste, Costa Rica:
- Community of Río Naranjo
- Community of Nueva Guatemala
- Community of Agua Caliente
Piura, Peru:
- Community of Palo Blanco de Matalacas

BENEFICIARIES

Peru: 500 people
Costa Rica: 500 people
Producers, technicians and decision makers

ECOSYSTEMS

Costa Rica: montane and premontane ecosystem
Peru: Andean grassland and paramo ecosystem
There is a great diversity of flora and fauna species in both countries.

MAP - PROJECT INTERVENTION AREAS



“With the water sowing and harvesting system,
we created a lagoon that has changed our
household economy. With a few cows, we had a
good milk yield; we got processed cheese, three
flavors of yogurt, custard; and we also produced
corn.”

Henry Murillo, La Esperanza Reservoir - Guanacaste (Costa Rica)

FIRST RESULTS

1

Ancestral knowledge on rainwater sowing and harvesting was transferred from Peru to Costa Rica for water supply in semi-arid areas of tropical dry forest. Peer-to-peer training and transfer of ancestral knowledge: 1,200 farmers were trained in less than two years by the Machaca sisters, Quechua-speaking women engineers.

2

Seven reservoirs were built in Guanacaste (Costa Rica) based on indigenous ancestral knowledge, with a total surface storage capacity of 50,000 m³. This initiative was replicated and scaled up through the Rural Development Institute (INDER), which has invested US\$125,000 to build 28 additional reservoirs.

3

The project contributed to the implementation of the Intended Nationally Determined Contributions (INDC) of both countries. For Peru, the water sowing and harvesting system and the ecosystem service payment system – initiatives implemented in the project – have been incorporated in the INDC’s adaptation and mitigation measures. This framework will allow the conservation, management and recovery of basins. For Costa Rica, the INDC includes urban water and environmental services, and the project is part of both initiatives.

EXCHANGE BETWEEN COUNTRIES

Peru has transferred ancestral knowledge of rainwater sowing and harvesting to Costa Rica.
Costa Rica has transferred knowledge of environmental service payment to Peru.



PARTNERS

LEAD ORGANIZATION



CO-APPLICANTS



CONTACT PERSON IN EACH COUNTRY

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