

## CAPACITY BUILDING IN THE USE OF RENEWABLE ENERGY AND ENERGY EFFICIENCY IN RURAL COMMUNITIES IN BOLIVIA, COLOMBIA, COSTA RICA AND GUATEMALA



**Code:** 5227-00

**Country:** Costa Rica

**Starting year:** 2022

**Year completed:** 2025

### Objective

Support the objectives of reducing emissions and improving the competitiveness of the agricultural sector in Bolivia, Costa Rica, Colombia, and Guatemala through the implementation and development of project management capacities for renewable energy and energy efficiency at the community level.

### NBS ANSWERS

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

Natural resources, in this case water and sunlight, have been used efficiently to significantly increase productivity in vegetable crops grown by the AIPAC producers' association in Bolivia and AMUPROCAJ in Guatemala.

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

Increased productivity, yields, and income for rural communities.

Better use of energy efficiency technologies.

Potential of solar energy and water reservoirs for improving productivity.

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

Incorporation of a solar pumping system into the association's productive activities.

Coating of the reservoir with geomembrane to prevent water loss.

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

All transfer processes included training workshops on system operation, maintenance, and repair, as well as training for technicians in the development of projects of this type.