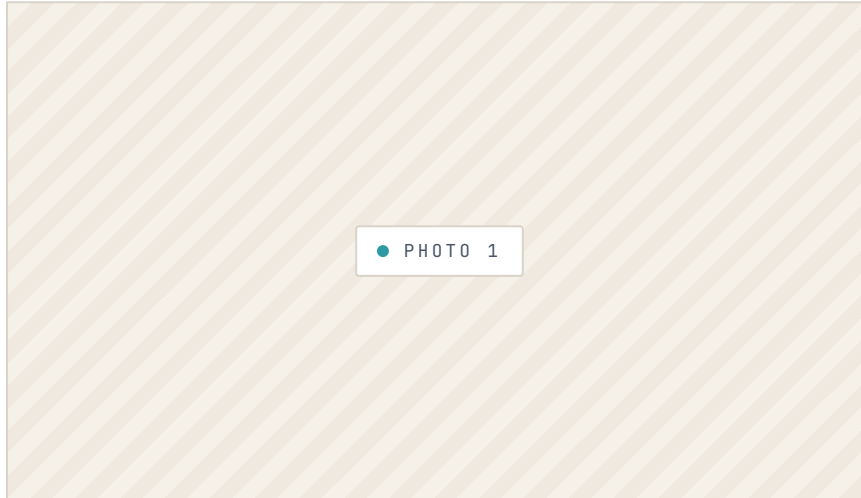


Small water impounding with solar pump for climate-resilient irrigation in Bagamanoc, Catanduanes

PHILIPPINES · Catanduanes · Bagamanoc

CATEGORY **AGRI-FOOD SYSTEMS** **CROP PRODUCTION**PRIMARY HAZARDS
Water stressMOBILITY DIMENSION
Avoided displacement

RICD RISK TIER

High

● PHOTO 1

GRANT RECIPIENT

Kurakog Farmers irrigators Association

PARTNERS

LGU Bagamanoc · Department of Agriculture
· National Irrigation Administration

TOTAL PROJECT VALUE

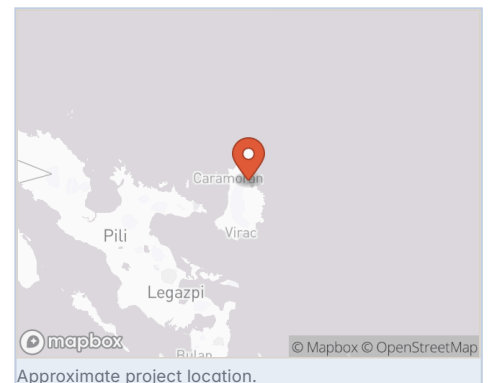
26,102 USD 4 months**50%** CCF GRANT **13,051 USD****50%** MATCHING FUNDS **13,051 USD**

Matching partner being sought

Context and approach

Drought, irregular rainfall and prolonged dry seasons have cut crop yields and destabilised incomes for the 200 members of the Kurakog Farmers Irrigators Association. Smallholders lack irrigation support and remain exposed to each dry spell.

The association, with the municipal government, Department of Agriculture and National Irrigation Administration, will build a small water impounding facility with a solar-powered pump to secure year-round, low-cost irrigation.



Approximate project location.

Project outputs

- Procure and haul construction materials to the site
- Clear the site and construct the impounding facility
- Install a solar-powered pump with community labour
- Train members in operation and water management
- Farmers irrigate through the dry season without fuel costs
- Yields and incomes become more stable under erratic rainfall
- Renewable energy underpins a locally managed water resource

Reach & deliverables

500
ESTIMATED
POPULATION
IMPACTED
Kurakog
farming
community**1**
IMPOUNDING
FACILITY
solar-pumped
irrigation**200**
FARMERS
Kurakog
Farmers
Association

Milestones

4 MONTHS TOTAL

M.01
1 month

Procurement of materials and hauling

M.02
2 months

Site clearing, layout and construction

M.03
1 month

Installation of solar pump and monitoring