

Portable renewable energy and green livelihoods for isolated upland barangays in Tanay, Rizal

PHILIPPINES · Rizal · Tanay uplands

CATEGORY **SOCIAL SYSTEMS** **PUBLIC AWARENESS**

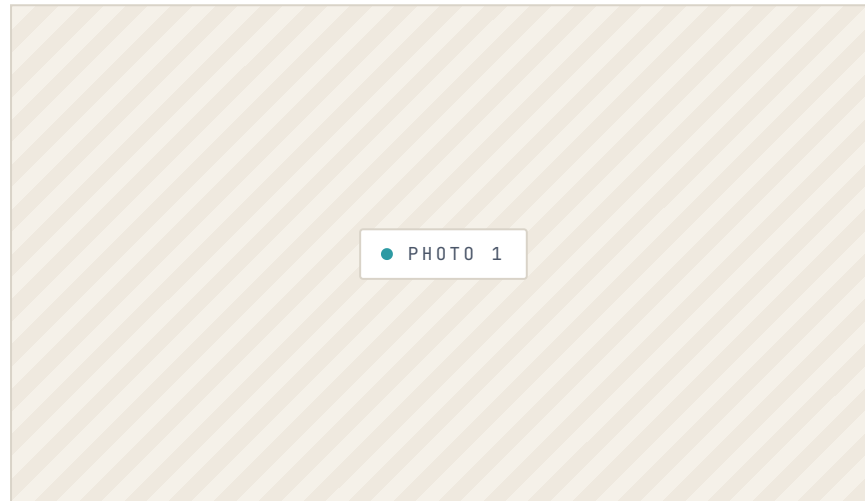
PRIMARY HAZARDS

Water stress · Flood damage · Changes to marine conditions

MOBILITY DIMENSION

Avoided displacement

RICD RISK TIER

High

GRANT RECIPIENT

PARTNERS

DA CRAO · GIZ HMCCC II Project

TOTAL PROJECT VALUE

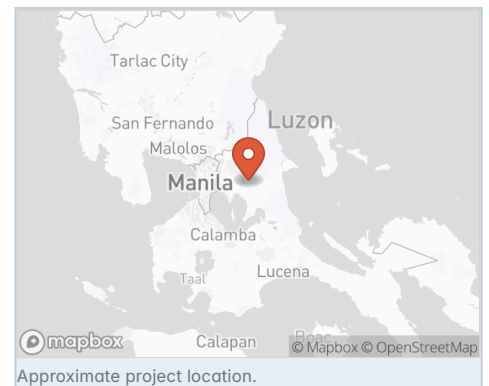
45,676 USD 12 months**50% CCF GRANT 22,838 USD****50% MATCHING FUNDS 22,838 USD**

Matching partner being sought

Context and approach

Five upland barangays in Tanay sit beyond the grid and mobile signal. When typhoons wash out access roads they are cut off for days without light, communication or a way to keep food and medicine safe, and crop losses can reach 100 per cent.

The project equips these communities with portable solar units that power homes and can be moved to evacuation sites, trains residents to install and repair them, and supports climate-resilient agriculture and small solar-powered enterprises with GIZ technical assistance.



Project outputs

- Procure and integrate portable solar power and communication hardware
- Train barangay committees in installation, maintenance and climate monitoring
- Deliver climate-resilient agriculture and aquaculture livelihood training
- Establish monitoring and close-out with the municipal disaster office
- Warnings and communication continue during outages and isolation
- Households have income that is not wiped out by each storm
- Vulnerable groups are reached through inclusive planning and warning systems

Reach & deliverables

30,477ESTIMATED
POPULATION
IMPACTED
five upland
barangays,
Tanay**5**PORTABLE
SOLAR
POWER
STATIONS
one per
barangay, four
off-grid**150**HOUSEHOLDS
climate-
resilient
livelihood kits

Milestones

12 MONTHS TOTAL

M.01

3 monthsProcurement and hardware
integration

M.02

2 months

Capacity building

M.03

3 months

Green livelihood adaptation

M.04

4 monthsMonitoring, evaluation and close-
out