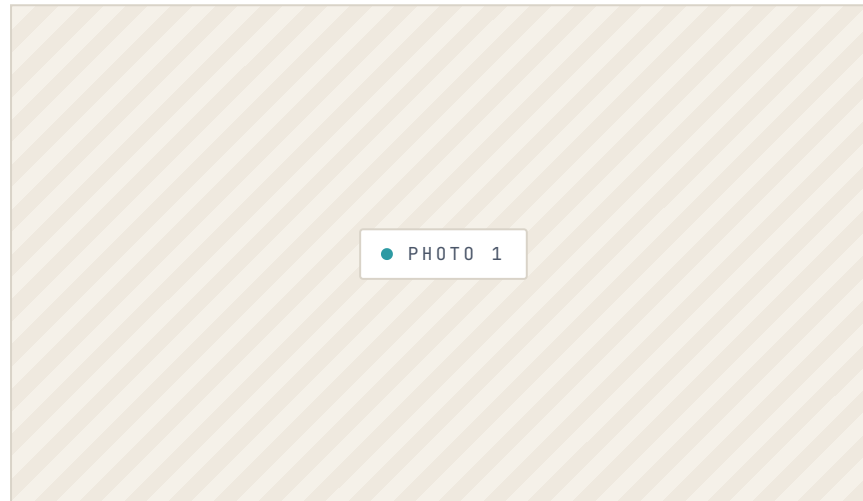


# Eco-friendly fish shelters, coral propagation and mangrove and bamboo planting in Bagamanoc, Catanduanes

PHILIPPINES · Catanduanes · Bagamanoc

RICD RISK TIER

CATEGORY **NATURAL SYSTEMS** **MARINE ECOSYSTEMS****High**PRIMARY HAZARDS Water stress · Changes to marine conditions  
MOBILITY DIMENSION Avoided displacement

## GRANT RECIPIENT

**Northern Catanduanes Clean and Green Association**

## PARTNERS

Catanduanes Clean and Green Movement · BFAR · DENR · Department of Agriculture

## TOTAL PROJECT VALUE

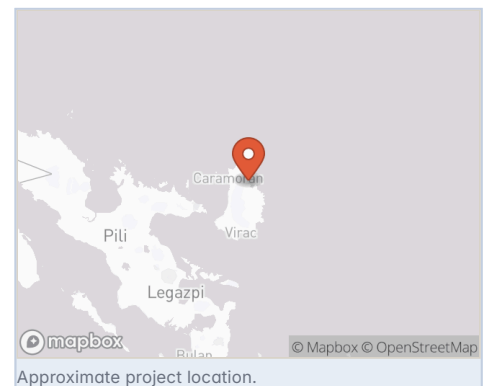
**40,784 USD** 12 months**50%** CCF GRANT **20,392 USD****50%** MATCHING FUNDS **20,392 USD**

Matching partner being sought

## Context and approach

Typhoons regularly destroy crops and livestock in Bagamanoc, leaving families to rely on the sea for food. Fish stocks, reefs and mangroves are under pressure, and there are few alternative livelihoods between storms.

The Northern Catanduanes Clean and Green Association will install concrete fish shelters with coral propagules in Bagamanoc Bay, plant mangroves and giant bamboo, grow vegetables and root crops, and organise members into a registered cooperative.



## Project outputs

- Manufacture and install concrete hollow block fish shelters with coral propagules
- Plant mangroves along estuaries and giant bamboo in the Kaningag watershed
- Establish vegetable and root crop farming with an organic fertiliser plant
- Run an 18-barangay environmental awareness campaign and cooperative formation
- Fish habitat recovers and catches improve for coastal households
- Mangroves and bamboo stabilise shorelines and watershed slopes
- Members earn from diversified, resource-based livelihoods

## Reach &amp; deliverables

**111,086**ESTIMATED  
POPULATION  
IMPACTED  
Municipality of  
Bagamanoc**18**BARANGAYS  
environmental  
awareness  
campaign**1**AGRI-FISHERY  
COOPERATIVE  
registered, 40  
members  
trained

## Milestones

12 MONTHS TOTAL

|                                                                                  |                                                        |                                                                                |                                                                                           |                                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| M . 01<br><b>1 month</b><br>Manufacturing of concrete hollow block fish shelters | M . 02<br><b>1 month</b><br>Purchase of capital assets | M . 03<br><b>2 weeks</b><br>Installation of fish shelters and coral propagules | M . 04<br><b>6 months</b><br>Fish monitoring, composting and mangrove and bamboo planting | M . 05<br><b>4 months</b><br>Harvesting, marketing and harvest sharing |
|----------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------|