

Safer Evacuations: a digital evacuation management system for Rodriguez and Bagamanoc

PHILIPPINES · Rizal and Catanduanes · Rodriguez, Bagamanoc

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

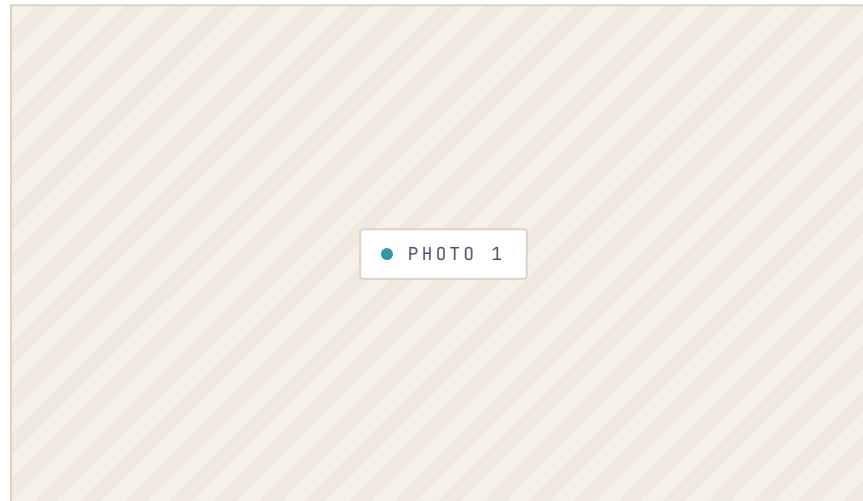
PRIMARY HAZARDS

Flood damage · Changes to marine conditions

MOBILITY DIMENSION

Avoided displacement

RICD RISK TIER

High

GRANT RECIPIENT

PARTNERS

Municipality of Rodriguez · Municipality of Bagamanoc

TOTAL PROJECT VALUE

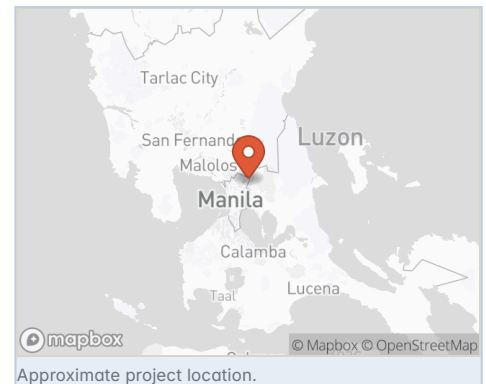
45,676 USD 12 months**50%** CCF GRANT **22,838 USD****50%** MATCHING FUNDS **22,838 USD**

Matching partner being sought

Context and approach

When typhoons and floods trigger evacuations in Rodriguez, Rizal and Bagamanoc, Catanduanes, responders track evacuees, shelter capacity and relief needs on paper and by phone. Delays and gaps leave vulnerable people without timely assistance.

The project pilots a digital Evacuation Management Information System linking pre-disaster registration of at-risk households, real-time evacuation centre occupancy, tracking of family units and vulnerable persons, and coordination of relief and return, in three phases.



Project outputs

- Design the system with local responders in both municipalities
- Register at-risk households before the typhoon season
- Pilot real-time evacuation centre occupancy and relief tracking
- Refine the system for wider adoption by local governments
- Evacuations are faster and shelters are managed on live data
- Vulnerable persons and family units are tracked from evacuation to return
- Two municipalities have a replicable model for digital evacuation management

Reach & deliverables

120,000ESTIMATED
POPULATION
IMPACTEDRodriguez and
Bagamanoc**1**DIGITAL
EVACUATION
SYSTEMreal-time
shelter and
relief tracking**2**MUNICIPALITIES
piloted in one
typhoon
season

Milestones

12 MONTHS TOTAL

M.01 2 months Procurement of software development services and equipment	M.02 2 months Co-Design and Scoping	M.03 3 months EMIS v0.9 Ready	M.04 3 months Capacity Building, Pilot Testing and System Refinements	M.05 2 months Deployment and Handover
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