

SAFE Food Rizal: predictive early warning and household food resilience for flood-prone communities

PHILIPPINES · Rizal · Taytay, Cainta, Antipolo

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

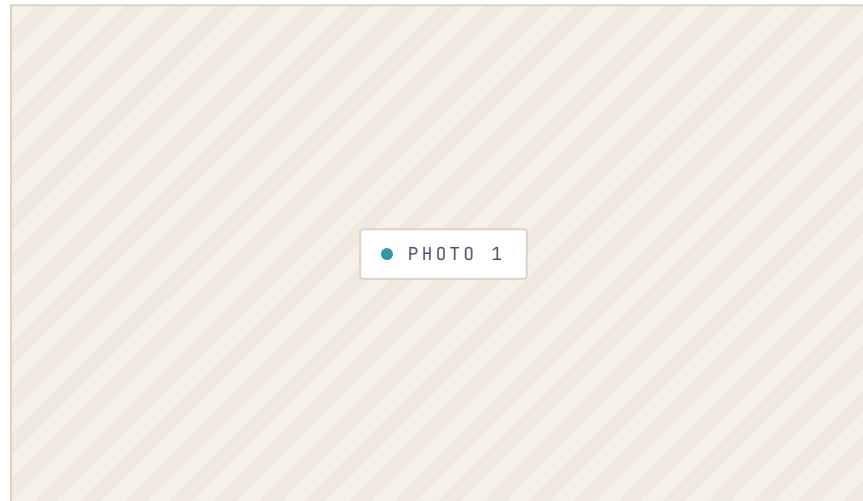
PRIMARY HAZARDS

Flood damage · Changes to marine conditions

MOBILITY DIMENSION

Avoided displacement

RICD RISK TIER

High

GRANT RECIPIENT

Maomao Circular

PARTNERS

Rizal PDRMO · Barangay Councils of Taytay, Cainta and Antipolo

TOTAL PROJECT VALUE

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

Matching partner being sought

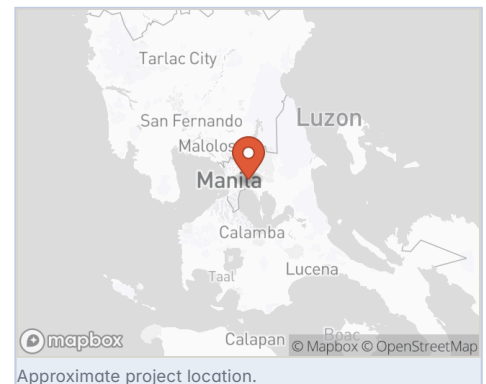
Context and approach

Floods from intensified monsoon and typhoon rainfall displaced around 1,554 families across Rizal in 2023 alone. Flooding disrupts markets, spoils food stocks and forces households that rely on daily purchases to skip meals or move in with relatives.

Maomao Circular is building a community-linked system that pairs flood forecasts with household food-availability tracking, sending SMS, app and messenger alerts that prompt simple actions, with barangay dashboards showing readiness, co-designed by women and health workers.

Project outputs

- Co-design the platform with barangay councils, women and health workers
- Develop and pilot a minimum viable product in Taytay, Cainta and Antipolo
- Deploy anticipatory alerts with stretch-recipe and buffer guidance
- Test rapid fund release and produce a replication manual
- Post-flood food spoilage falls by at least half among participating households
- Households extend food-safe days from five to ten during flood periods
- Barangays see household readiness in real time and target support



Reach & deliverables

6,000ESTIMATED
POPULATION
IMPACTEDTaytay, Cainta
and Antipolo**500**HOUSEHOLDS
enrolled on the
alert platform**10**FOOD-
SAFE DAYS
up from five
during floods

Milestones

12 MONTHS TOTAL

M.01
2 monthsPrimary research,
partnership setup and
baseline assessmentM.02
10 monthsWhole-project research
and data analysisM.03
3 monthsMVP development and
pilot testingM.04
3 monthsFull deployment and
inclusion trainingM.05
4 monthsSimulation, rapid fund test
and replication handover