

Coral and Taklobo Gardening

**Merging Sustainable Financing and Reef
Conservation in Taytay, Palawan,
Philippines**

by

**Elvira C. Ablaza, Project Director
Guillermo Morales, Project Team Leader
Lope A. Calanog, Sustainable Finance Specialist**

**ADB-RETA 7813: Coastal and Marine Resources Management
in the Coral Triangle-Southeast Asia
Regional Project Management Office
Unit 502 Manila Luxury Condominium
30 Pearl Drive, Ortigas Center, Pasig City
PHILIPPINES 1600**



Outline

- ADB support to the CTI-CFF
- Taytay: The next important tourist destination in Palawan
- Taytay Bay is under threat
- Coral and Taklobo Gardening: addressing the threat
- A 4-min. video clip of the CTG in Taytay



ADB Support to the CTI-CFF

ADB-RETA 7813: Coastal and Marine Resources Management in the Coral Triangle-Southeast Asia

ADB's CTI program **supports the implementation of the plans of action** and **underscores regional cooperation** to achieve maximum impact

- Knowledge management
- Capacity building in support of the CTI-CFF national plans of action and building resilience of local communities
- Alternative livelihoods in coastal communities through pilot livelihood activities
- Sustainable Financing





MAP of TAYTAY



Tourism attractions/activities in Taytay

Taytay: The next important tourist destination in Palawan

ISLAND BEACHES



Apulit Island



Pabellon Island



Talakanen Island



Noa Noa



Taytay: The next important tourist destination in Palawan

ISLAND BEACHES



Dinamayan Island



Denot Island



Quimbaludan Island



Sader Beach



Taytay: The next important tourist destination in Palawan

DIVE SPOTS



**Pabellon Grande
& Lopez Reef**



Nabat



Black Rock



Taytay: The next important tourist destination in Palawan

Terrestrial Attractions



Canique waterfalls



Lake Manguao



Taytay: The next important tourist destination in Palawan

INTERESTING WILDLIFE



Giant Flying Foxes



Palawan Hornbill



White Squirrel



Taytay: The next important tourist destination in Palawan

INTERESTING WILDLIFE



Wild Ducks



Sea Turtle



Irrawaddy Dolphin



Taytay Bay is under threat



- Invasion by sargassum
- Abundance of Diadema
- Destructive fishing
- Over harvesting / Loss of herbivores
- Coral bleaching



Coral and Taklobo Gardening: addressing the threat

- First, benchmarking (marine condition, socio-eco profile, economic valuation, tourism status) activities



Focus Group Discussions



Transect surveys



KIIs



Interviews

Coral and Taklobo Gardening: addressing the threat

- Second, consultation meeting /workshop with WPU Team
(result: CTG under the PES scheme)
 - ✓ Ecosystem Services (ES) = Tourism (CTG)
 - ✓ ES providers/sellers = Local Fishermen Associations (PILAK SAMA, MFARMC, and LGU)
 - ✓ ES buyers = Local resort owners, tourists/visitors



Coral and Taklobo Gardening: addressing the threat

- Second, CTG presentation

Then presented the CTG to the:

- local stakeholders
- LGU officials
- Private resort owners
- DENR, etc.



Coral and Taklobo Gardening: addressing the threat

- Third, training of local coral and Taklobo Gardeners



Conduct of lectures



Hands-on training on preparing coral plates



Coral and Taklobo Gardening: addressing the threat

- Third, training of local coral and Taklobo Gardeners



Actual coral planting



Coral and Taklobo Gardening: addressing the threat

- Third, training on SCUBA Diving



Done in partnership with the LGU and the HEED Foundation

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Coral and Taklobo Gardening: addressing the threat

- Third, establishing Coral Gardens in Denot Island



- Collection of coral fragments
- Tying coral fragments in plates
- Transporting coral plates to coral frames installed underwater
- Maintaining / replanting of the coral gardens



Coral and Taklobo Gardening: addressing the threat

- Third, establishing Coral Gardens in Quimbaludan Island

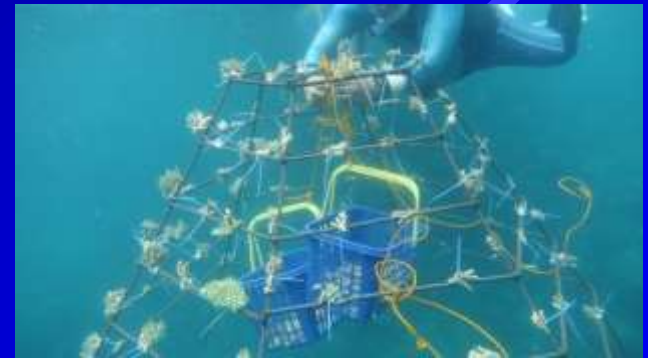
- Collection of coral fragments
- Direct planting of coral fragments on the substrate



Coral and Taklobo Gardening: addressing the threat

- Third, establishing Coral Gardens in Talakanen Island

- Collection and planting of coral fragments
- Attaching coral fragments in coral domes
- Transporting and installation of coral domes underwater



Coral and Taklobo Gardening: addressing the threat

- Third, establishing Taklobo Gardens in Tucas Island



- Collecting Taklobo from the wild
- Cleaning of Taklobo
- Tagging of Taklobo
- Flashing of Taklobo



Coral and Taklobo Gardening: addressing the threat

- Third, establishing Taklobo Gardens in Tucas Island



- Transporting of Taklobo to garden sites
- Maintaining / monitoring of Taklobo Gardens



Coral and Taklobo Gardening: addressing the threat

- Fourth, designing of Sustainable Financing System / Reef Conservation
 - ✓ CTG, would be a pioneering tourism activity in Taytay.
 - ✓ Tourists will experience the actual planting of corals and Taklobo transferring **for a fee**.
 - ✓ This experience will be photographed, videoed, and uploaded in a website; to be tagged as "**CORAL REEF HEROES**", with **CERTIFICATE** awarded.
 - ✓ Document growth of coral and Taklobo and upload in the web for tracking / monitoring by **CORAL HEROES**.
 - ✓ Solicit financial support from **CORAL HEROES** to maintain CTGs.



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Coral and Taklobo Gardening: addressing the threat

- Fourth, designing of Sustainable Financing System (conduct of willingness-to-pay studies)

Random interviews revealed that:

- Almost all interviewed liked the idea of CTG
- Willing to pay from US\$4.44 to US\$13.33 (Php200 to Php600) for the CTG experience and be tagged as **CORAL HEROES**.



Interview with tourist



SB Liza Magbanua



PILAK SAMA meeting



Coral and Taklobo Gardening: addressing the threat

- Fourth, designing of Sustainable Financing System (conduct of willingness-to-pay studies)

Random interviews revealed that:

- Other possible sources of income (financing):
 - ✓ rental of complete set of Scuba diving gears at US\$30.0 (Php 1,250); or about US\$ 2.2 (Php100) per item, e.g. snorkel, mask, fins.
 - ✓ Environmental fee; Entrance fee; Boat rental
 - ✓ Food; Transportation; Souvenirs
 - ✓ Other products and services (tour guides, etc.)



Boat rental



Equipment for rent



Food Retailing



Coral and Taklobo Gardening: addressing the threat

- Fifth, establishing Conservation Trust Fund

CTG is expected to initially generate an additional income of US\$ 170,000 (Php 3.8 to 4.0 million) per year. This is over and above the projected P175M possible income from accommodation facilities alone.

Tentative % distribution of income:

- ✓ 50 % will go to the income of the local fishermen, tour operators, etc. (ES providers)
- ✓ 10 % for the LGU (fees, etc.)
- ✓ 10 % for the other ES providers (food suppliers, etc.)

30 % for the Conservation Trust Fund



Mayor Salvame



Tour operators



Local fishermen

ADB



Enchanting Lake Manguao

Thank You !!!

Contact us:

Guillermo L. Morales, Team Leader, glmorales@primexinc.org

Lope A. Calanog, Sustainable Finance Specialist,

lopeacalanog55@yahoo.com

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PHILIPPINES 1600

<http://www.primexinc.org/>

