



**Establishment and Operation of a Regional System of
Fisheries *Refugia* in the South China Sea and Gulf of Thailand**

REPORT

**SITE LEVEL INCEPTION WORKSHOP AND BASELINE DATA
COLLECTION IN BOLINAO, PANGASINAN**

PANGASINAN, PHILIPPINES

24 MARCH 2017

Prepared by
**NATIONAL FISHERIES RESEARCH AND DEVELOPMENT INSTITUTE
PHILIPPINES**

**SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER
TRAINING DEPARTMENT**



First published in Phrasamutchedi, Samut Prakan, Thailand in March 2017 by the SEAFDEC-UNEP-GEF Fisheries Refugia Project, Training Department of the Southeast Asian Fisheries Development Center

Copyright © 2017, SEAFDEC-UNEP-GEF Fisheries *Refugia* Project

This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes without special permission from the copyright holder provided acknowledgement of the source is made. The SEAFDEC-UNEP-GEF Fisheries *Refugia* Project would appreciate receiving a copy of any publication that uses this publication as a source.

No use of this publication may be made for resale or for any other commercial purpose without prior permission in writing from the SEAFDEC Secretary-General at.

Southeast Asian Fisheries Development Center
Training Department
P.O.Box 97, Phrasamutchedi, Samut Prakan, Thailand
Tel: (66) 2 425 6100
Fax: (66) 2 425 6110
<https://fisheries-refugia.org> and
<https://seafdec.or.th>

DISCLAIMER:

The contents of this report do not necessarily reflect the views and policies of the Southeast Asian Fisheries Development Center, the United Nations Environment Programme, and the Global Environment Facility.

For citation purposes this document may be cited as:

NFRDI/Philippines, 2017. Establishment and Operation of a Regional System of Fisheries Refugia in the South China Sea and Gulf of Thailand, Report of Sire Level Inception Workshop and Baseline Data Collection in Bolinao, Pangasinan. Southeast Asian Fisheries Development Center, Training Department, Samut Prakan, Thailand; FR/REP/PH02, 9 p.

ACTIVITY REPORT

- 1) Upon arrival to Bolinao, Pangasinan the group had a short meeting regarding the upcoming orientation seminar & coordination with the LGU of Bolinao. The group planned the flow of activities for the next 2 days.
- 2) On the second day, we visited the Office of the Municipal Agriculture to meet Ms. Carolina Ramirez the Municipal Aqua-culturist Officer of Bolinao Pangasinan. We informed him the purpose of the visit. We proceed to the Office of the Mayor of Bolinao to make a courtesy call. We meet Mayor Arnold Celeste, we informed them about the Fisheries Refugia Project and gave a brief background, we also informed that Bolinao, Pangasinan is one of the chosen sites for the establishment of Fisheries Refugia.
- 3) In the afternoon we met the Project Director, Mr. Chris Paterson and Weerasak Yingyuad to talk about the agenda of the orientation seminar on March 24, 2017. We drafted the agenda as well as the matrix for the workshop.
- 4) After the courtesy call, the group visited the municipal landing site in the Poblacion early in the morning. We observed fish landing in the area and flown a quadcopter drone for an aerial survey of Bolinao town. We also visit the commercial landing center in Luciente I, purse seine and ringnet fishing vessel were observed during the visit. We also observed fish cages in the area. Photos of the Aerial surveys are attached as Annex 1.
- 5) On March 24, 2017 the Meeting started around 9:30AM at Sanguniang Bayan Hall and participated in by LGU, BFAR Regional Office I, Philippines Coast guard and Fisheries Stakeholders (Peoples Organization, Bantay Dagat). A welcome message was delivered by the Vice-Mayor of Bolinao, Pangasinan, Hon. Alfonso Celeste. He is very supportive of the Refugia project because on the Phase I of the project he was then the Mayor of Bolinao and also supported the activities of the project. BFAR 1 Regional Director Nestor Domenden also gave his message during the orientation seminar.
- 6) Mr. Noel Barut discussed the agenda items for the Orientation workshop:
 - a) Summary of Workshop Objectives
 - b) Background to the Strategic action Programme for South China Sea and Dev't of Fisheries Refugia Initiative
 - c) Overview of the Objectives of Fisheries Refugia Initiatives
 - d) Project Management Framework, including Provisional Terms of reference for the Site Level Management Boards
 - e) Identification of Municipal Programs and Projects Relationg to Sustainable Dev't
 - f) Preparation of inventory of Sectoral Policies, Operational Workplans and Regulation/Ordinances
 - g) Discussion on Communications and use of media
 - h) Application of Aerial Survey Technology in Baseline settings and Monitoring
 - i) Discussion of priority fisheries pieces and threats to fish life cycle and critical habitat linkages; and
 - j) Presentation of 4-year workplan
- 7) Mr. Barut also presented a brief background on the Phase I of the Fisheries Refugia Project entitled Reversing Environmental Degradation Trend in the South China Sea and Gulf of Thailand.
- 8) Mr. Chris Paterson the presented the Background to the Strategic Action Programmes for the South China Sea and the development of the Fisheries Refugia Initiative, Overview of the

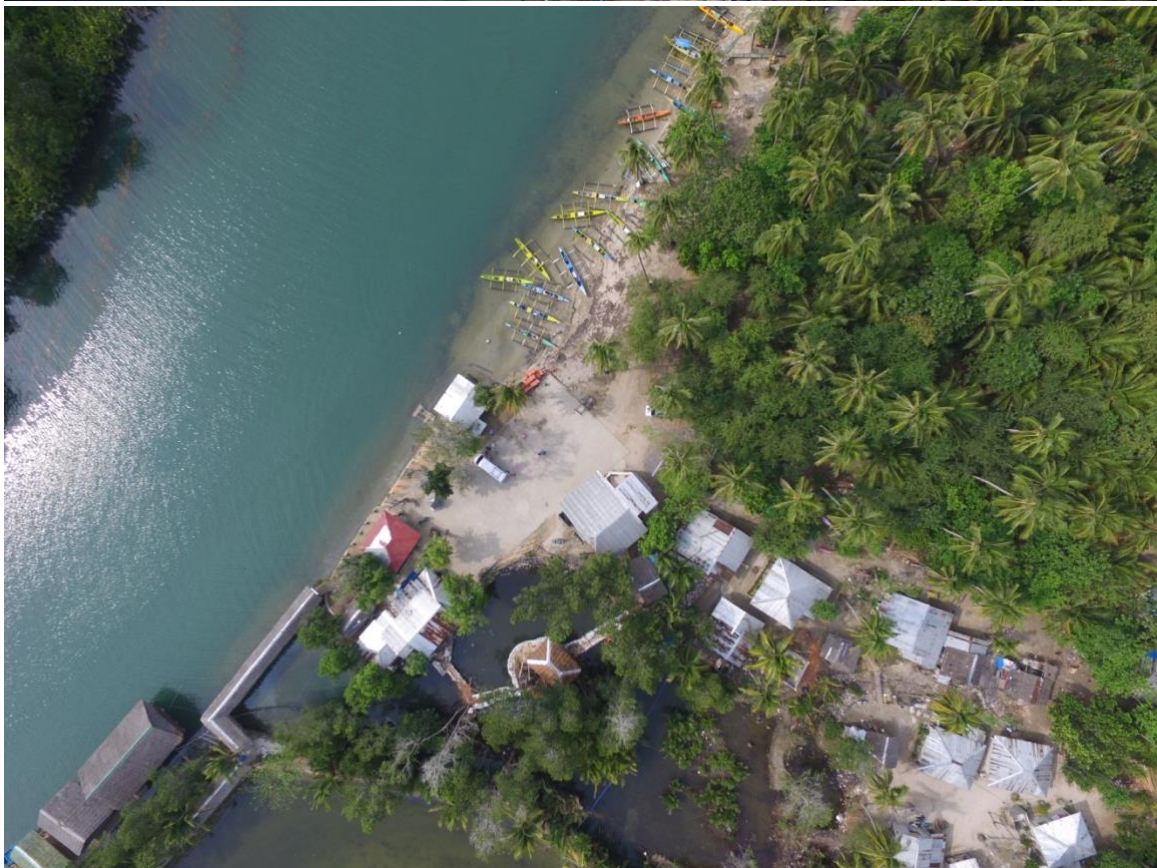
Objectives of the Fisheries Refugia, and the Project Management Framework including provisional terms of reference for the Site Level Management Boards.

- 9) A workshop on the Identification of Municipal Programs and Projects relating to Sustainable Development & Inventory of Sectoral Policies, Operational Workplan, and rules and regulations was also conducted using the matrix distributed to the participants. Workshop output is attached as Annex 2.
- 10) Communication and use of Media to disseminate information on the Fisheries Refugia Project was also discussed in the orientation seminar. Comments from participants was also solicited, they suggested that using posters, local comics, print ads and social media can be used to disseminate information about the projects.
- 11) Mr. Weerasak Yingyuad, Project Technical Coordinator presented the application of Aerial Survey Technology in baselines setting and monitoring, he also presented outputs (video & Photos) of aerial survey in Bolinao.
- 12) Mr. Christoher Paterson presented to the participants the four years workplan of the project and its now on the implementation of the year 1 activities.
- 13) Ms. Carolina Ramirez, Municipal Agriculturist gave her closing remarks and gave his thanks to the participants for their active participation and cooperation as well as their willingness to help in the implementation of the project in this area.



Group Photo after the Orientation Seminal of Fisheires Refugia Project

Annex 1



Aerial Photo of Municipal landing Site at Bolinao, Pangasinan



Aerial Photo of Municipal landing Site at Bolinao, Pangasinan

Annex 2
Workshop Output Matrix of Municipal Programs and
Projects Relation to Sustainable Developments

Development Area	Priority Programs and Projects (Bolinao, Pangasinan)
Rural Development/Agriculture/ Fisheries/Aquaculture	<ul style="list-style-type: none"> • Upgrading of fish Processing (danggit/) include packaging (proposed) • Intensify organic farming (on going but need financial/technical assistance) • MPA: monitoring, Patrolling Fish Catch • Mariculture: Water quality monitoring <ul style="list-style-type: none"> ○ Structure Survey
Environment – Coastal Habitat Management	<ul style="list-style-type: none"> • Mangrove planting • Enactment of environmental code (draft but not yet include in SB agenda) • Formulation of Comprehensive land Use plan (CUP) on going • Formulation of Forest land use Plan (FLUP) on its initial stage • Mangrove replanting initiative- DENR with PO's • Coral Transplantation • Seagrass Monitoring
Environment – Coastal Water Quality	<ul style="list-style-type: none"> • Simultaneous coastal clean-up (every Friday) • ScuBasurero/ under water clean-up • Water quality monitoring on aquaculture zone (regular conducting with BFAR) • Water quality monitoring on coastal tourism area (planning stage) • Ilog Tourism Project (planning stage construction with DOT) • Monitoring Coastal Clean-up by LGU & Barangay and PO's • International Coastal Clean-up September every year • Water quality monitoring
Protected Area Management	<ul style="list-style-type: none"> • Mangrove- reforestation/ preparatory (on-going but lack of budget) • Maintenance of Marine Protected Areas (MPA's) • Dissemination of IEC materials • Coral monitoring • Fish Catch Monitoring\ • Fish census Monitoring • Fishing gear inventory
Tourism Development	<ul style="list-style-type: none"> • Enactment of Municipal Tourism Code (on- Going) • Declaration of coastal area near Selaki Isalnd as Giant Clam Marine Park • Giant Clam Eco-Tourism Project (on Going) • Tour Guide in mangroves and MPAS • Women's Group in charge in food catering • Limit activity- Giant Clam Nursery (MPA) Balingasay River
Livelihoods and Poverty Alleviation	<ul style="list-style-type: none"> • Capital assistance for livelihood (on -going but still need funding)

	<ul style="list-style-type: none"> • Skills training for stakeholder (alternative livelihood) – proposed • Livelihood Programs (banig, bags and bule) • Mangrove Planting • Shell handicrafts
Freshwater Supply and Wastewater Management	<ul style="list-style-type: none"> • Level 3 Phase Bolinao Water System Expansion (on-going) • Waste Water Management for the market (Planning Stage) • Tree Planting
Women’s Group Involvement	<ul style="list-style-type: none"> • GAD • Training for Women’s Group/ Association on Fish Processing, for souvenir items • Mangrove Planting, mat weaving and Shell handicraft
Maritime Patrol including Bantay-Dagat	<ul style="list-style-type: none"> • Anti-Illegal Fishing • Conducting Maritime Patrol • Boat/ Mobile Patrol • Training for Bantay Dagat (Proposed) on Coastal Environment & Fishery Habitat management (proposed) • Guarding fish sanctuary MPA in the area of Pilar • Patrolling, Monitoring, Provide equipment for patrolling