



**CORAL TRIANGLE
INITIATIVE**
ON CORAL REEFS, FISHERIES AND FOOD SECURITY
INDONESIA

The Development of Priority Seascapes

Project Duration:

12 months

Link to the Indonesia National Plan of Action:

Goal-I Target-I: Seascape Development Priority Actions within Seascapes Comprehensive and Sustainable Investment Plan

Geographic Areas:

In 5 seascape locations as follows:

1. Sunda Shelf (in 2012)
2. North of Borneo, Sulawesi Sea, Arafura Sea, and Papua (in 2013)

Overview

Based on marine bio-ecoregion characteristics, there are 232 marine eco-regions in the world, and Indonesia has 12 of them. They typically have high biological diversity, ecological and economic connectivity, and aesthetic and cultural values. Seascape is a good starting

point to look at regions defined by biological/oceanographic similarities. Seascapes may include government authorized protected areas for addressing special management needs, and provide an opportunity for government agencies to coordinate their efforts voluntarily to secure more

effective regional management programs. But in the fact, the seascape management has not implemented in comprehensive and integrated way. Some areas have been used intensively, and they are indicated by the exceeding of carrying capacity such as pollution, over fishing,



and so on. However those areas have not been utilized optimally, so they do not provide adequate benefits for improving the community welfare. Therefore the seascapes area needs to be managed properly, and the first step of management is to develop the planning document.

Project Objectives:

The masterplan investment of development for priority seascapes.

The Strategic Approach/ Methodology:

The main concept in formulating this development plan is how to combine the needs between the utilization of marine and coastal resources, and how to ensure those still sustainable. To optimize the utilization can be determined through driving the regional growth centers based on coastal and marine resources with considering their carrying capacity. The centers

are expected to have a trickling down effect to their surroundings. To guarantee the sustainability of resources, there is a need to support the marine protected area network system.

In further, to support the project objective, it would have four outcomes as follows: i) the increasing income and employment opportunity of coastal community, ii) improving equity and stimulating the growth centers, iii) preserving the quality of coastal and marine ecosystem, and sustainability of natural resources, iv) strengthening the defence and security of border region.

There will be 4 steps in the methodology in this project as follows:

1. Data collection (field survey, it can be done through primary or secondary survey)
2. Data processing (The collected data and information are processed from raw ones up to ready to use in analysis step. The results are map, graphic, tabulation, and text. They can be classified into several groups, such as policy, regional economic, physical characteristics of land and waters, fishery, infrastructure, social and demography, map and etc)
3. Analysis (This step is consisted of several analysis such as policy review related to other spatial plan documents; issue, potency and development opportunity identification with SWOT analysis; Marxan analysis is used to predict the potential marine protected area; L-Q analysis to identify the basis sector; I-O analysis to represent the interdependencies between different sectors and to measure the economic impacts of events as well as public investments; resources economic valuation, and etc.)
4. Formulation





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Project Activities and Cost (in each location):

The Strategic approach is placing the outsourcing regarding to the each objectives.

Activities	Cost in US\$
1. Salaries	\$100,000
2. Meetings and travel	\$ 25,000
3. Equipment, materials, field operations	\$150,000
4. Institutional support and administration	\$ 25,000
Total cost	\$300,000
Government of Indonesia contribution	\$100,000

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