

FISH FOR THE FUTURE: AN ASSESSMENT OF FISHERY CONSERVATION POLICIES IN THE PHILIPPINES

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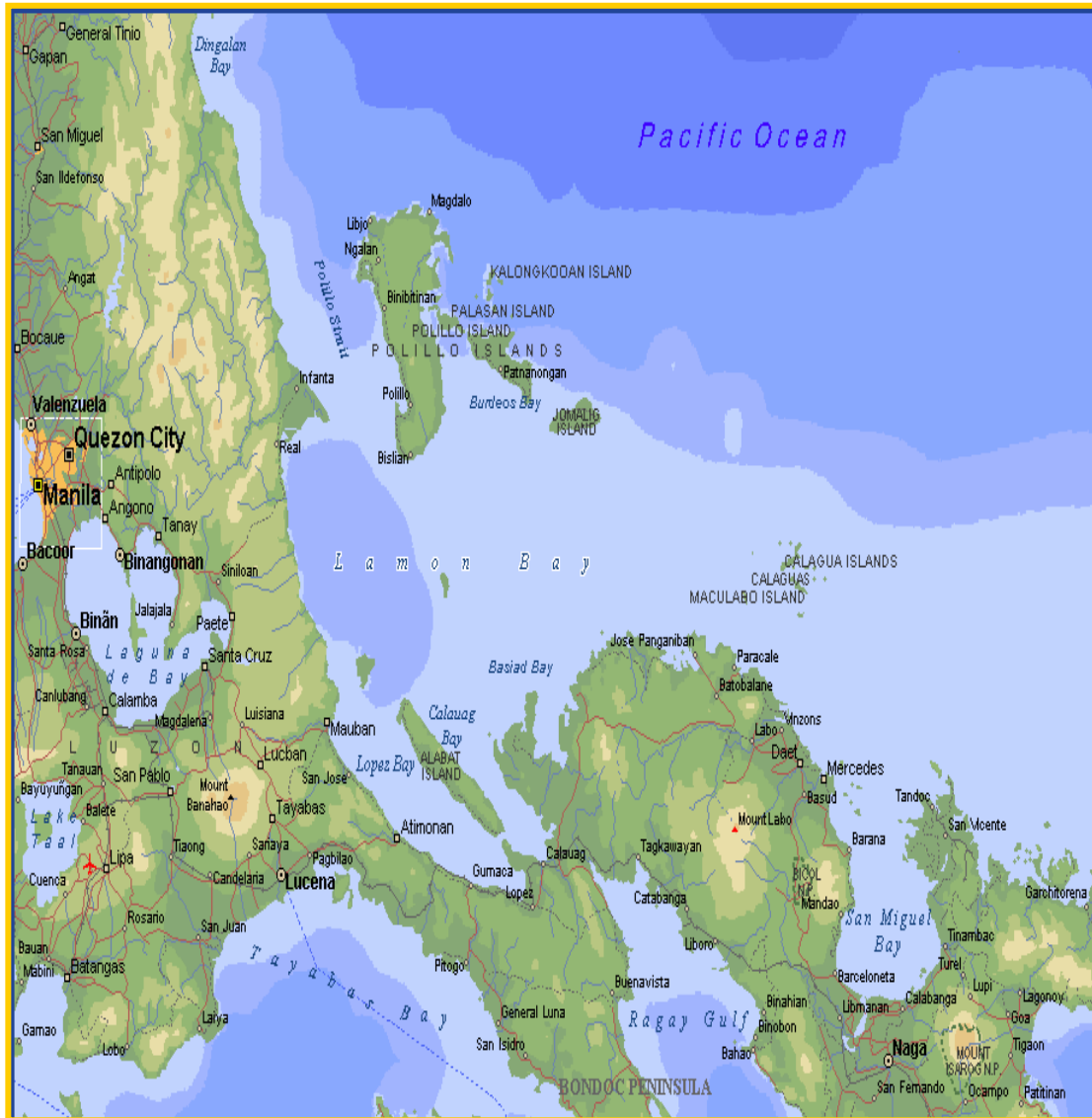
➤ **12th largest fish producer**

➤ **4th aquaculture producer**

➤ **Since 1991, fish catch declined at about 5.4 % yearly**

➤ **Banning of employment of hulbot-hulbot in Polillo Strait and Lamon Bay**

Relative Location of Lamon Bay, Philippines.



- **5th highest commercial fishing ground**
- **9th highest municipal fishing ground**
- **Since 1985, fish catch declined at about 13.5 % yearly (> 5.4 %, national average)**
- **Need for national and local policies**

RESEARCH PROBLEM

What policy should be imposed in Lamon Bay?

- **No study to determine effectiveness, acceptability and efficiency of policies**

POLICY RELEVANCE

◎ ***Fisheries Code of 1998***

↪ justifies banning of commercial gears in municipal waters

↪ extends municipal waters from 7 to 15 km from coastline

◎ ***DA Administrative Order No. 4 (1996)***

↪ prohibits use of superlight or halogen lights

◎ ***Municipal Ordinance No. 97-001
(Infanta)***

↪ **Regulates use of fish cages**

◎ **Municipal Fishery Law of 1991**

↪ **seasonal regulation of milkfish during spawning period**

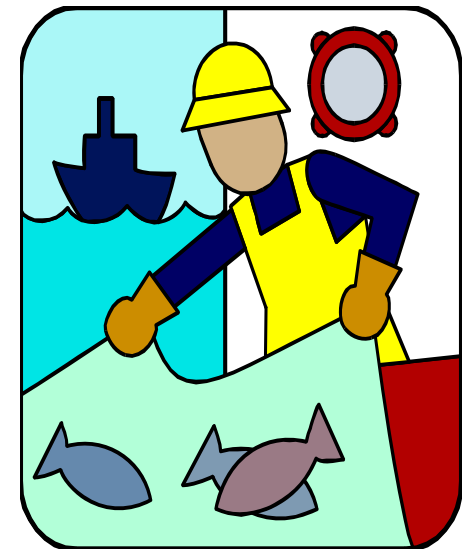
OBJECTIVES

General Objective

- ***To use economic evaluation in assessing the fisheries policies that can be implemented in Lamon Bay***

Specific Objectives

- **To evaluate some of the existing fisheries policies;**
- **To assess the changes in benefits and costs of municipal fishermen using different fisheries policies;**
- **To evaluate the changes in fishery resource quality of the area using different fisheries policies;**
- **To determine the major factors that influence trends in fishery catch under different fisheries policies, using a bioeconomic model;**



Specific Objectives...

- **To identify and assess the capability of the local institutional mechanism used in the different policies; and**
- **To recommend further enhancements, where necessary, to the fisheries policies; and**



HYPOTHESES

- ◎ ***Fisheries policies have increased productivity and income of fishermen***
- ◎ ***The implementation of fisheries policies have improved fisheries resource quality of the area.***

HYPOTHESES

- © ***The total number of sustenance fishermen affected by a particular policy, the type of fishing gear employed by the fishermen and the average price by fish species are the factors which determine the fishing effort in Lamon Bay***

HYPOTHESES

- © ***The local institutional mechanism requires further capability building assistance to implement the different fisheries policies.***

PROJECT COMPONENTS

- ◎ **Economic Aspect**
- ◎ **Fisheries Resource Quality**
- ◎ **Institutional Aspect**
- ◎ **Policies**

METHODOLOGY

Economic Aspect

- **Data Collection**
 - ↪ **Survey**
 - ↪ ***Gathering of other primary data***
- **Economic Analysis**
- **Sensitivity Analysis**
- **Environmental Benefits and Costs**

Fisheries Resource Quality

➤ Data Collection

↪ Gathering of primary data

➤ Bioeconomic Model

➤ Assessment of Fisheries Resource Quality

Institutional Aspect

➤ Data Collection

↪ Gathering of secondary data

↪ Key Informant Interviews

↪ Focused Group Discussions

➤ Institutional Mechanism

↪ SWOT

↪ McKenzie 7S Framework

Policies

- ***Review of Existing Policies and Regulations***
- ***Policy Analysis***

EXPECTED RESULTS

- ◎ ***Evaluation of existing local fisheries policies***
- ◎ ***Estimation of changes in benefits and costs of municipal fishermen with and without imposition of different fisheries policies***
- ◎ ***Comparison of fisheries resource quality trends in fishery catch under different fisheries policies***

- ③ ***Determination of major factors that influence trends in fishery catch under different fisheries policies***
- ③ ***Identification and assessment of the capability of local institutional mechanisms used in different fisheries policies in Lamon Bay and***
- ③ ***Policy recommendations that will enhance fishery resource management in Lamon Bay***

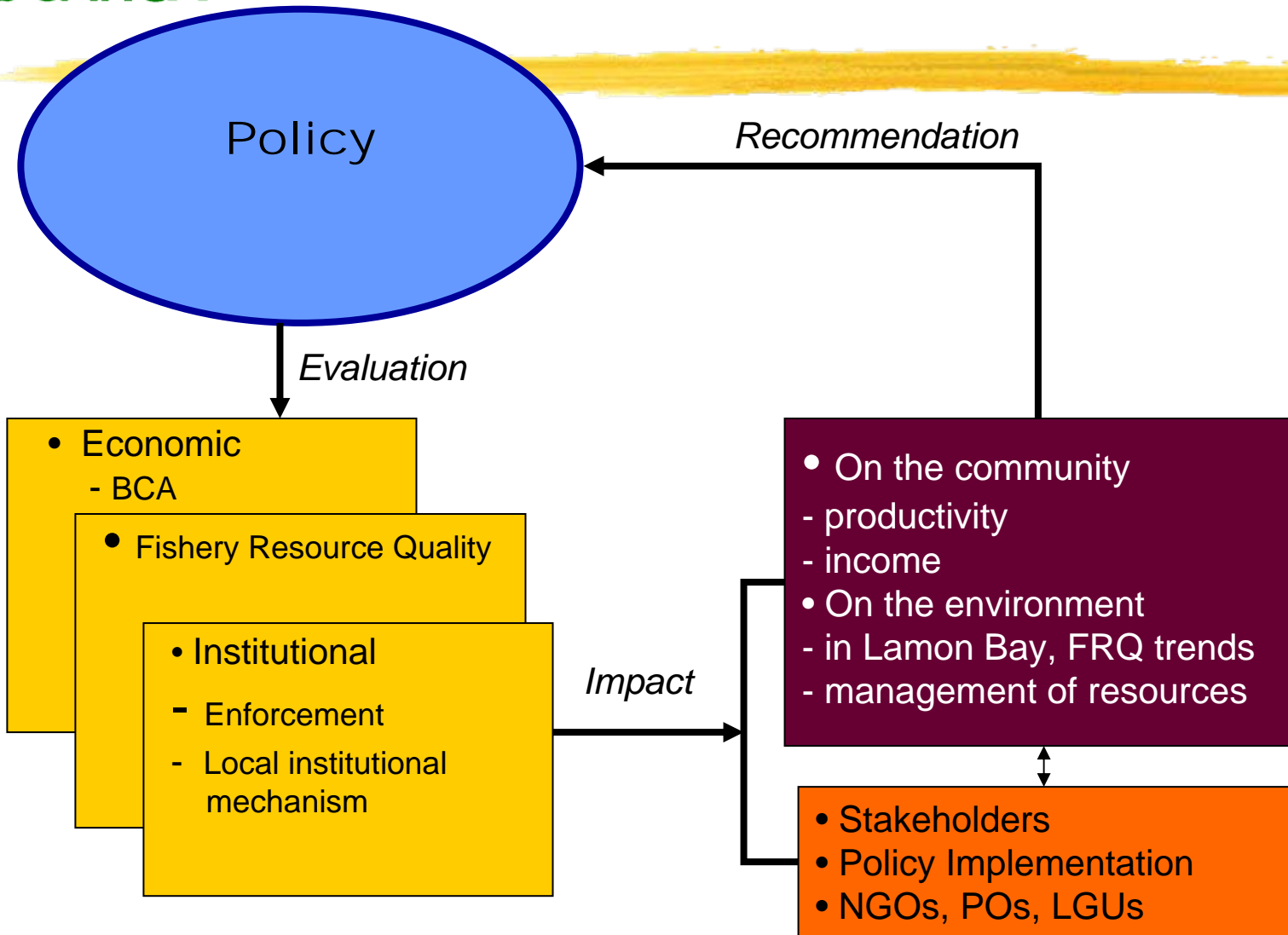


Fig.1 Conceptual Framework