

**Funding:**

Total amount of US \$62.2 Million.

**Government Counterpart:**

The government will shoulder 30% of total cost of the program amounting to \$18.66 Million.

## Establishing a National Coastal & Marine Database through *Integrated Information Management System*

**(2013-2016)**

**Department of Environment and Natural Resources**  
Protected Areas and Wildlife Bureau  
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**CORAL TRIANGLE  
INITIATIVE**  
ON CORAL REEFS, FISHERIES AND FOOD SECURITY



Targets and Activities	Budget per municipality in US\$
1.Capacity Assesment of Staff, Facilities, Systems, Data and Policies	8, 300
2.Establishment and Operation of IIMS Network	1, 082
3.Establishment of the GIS Database and linkage to other external application	1, 082
4.Sustaining and maintainance of the IIMS database	1, 747
5.Research Ship	50, 000
<b>TOTAL</b>	<b>62, 200</b>

of institutions to share data (Gervacio, 2003).

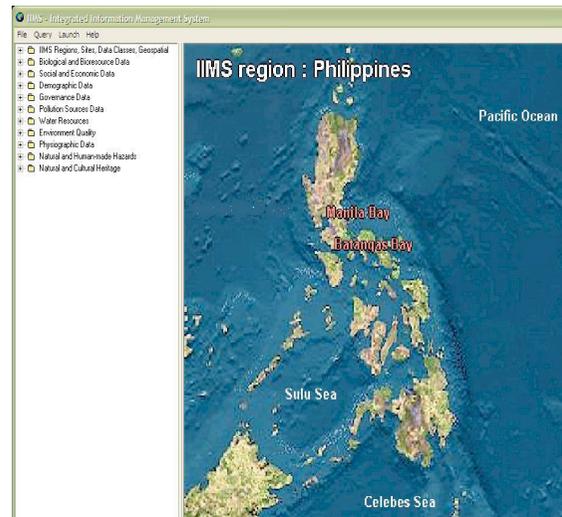
Once the IIMS network is established, the national database categories can serve as the standard requirement for the detailed biophysical assessments that are periodically undertaken supporting the information needs of CTI. As a depository of the coastal information, it facilitates assessment of effectiveness of management interventions by recording and analyzing social, economic and ecological trends. It also adheres to the knowledge management requirement of developing meta-databases and information management systems for efficient information exchange on resource valuation studies, biophysical impacts of coastal activities, gear inventory, stock assessment and status of aquatic resources. Other applications of IIMS from which CTI could benefit are:

- Environmental profile and atlas compilation;
- Environmental risk assessment;
- Environmental resource valuation;
- Coastal strategy development;
- Coastal-use zoning;
- Oil spill contingency planning;
- Environmental investments;
- Governance; and
- Strategic action program implementation.

#### Project Objectives:

The objectives of establishing a national database on coastal and marine are to acquire, process, quality control, inventory, archive and disseminate the coastal and marine environmental data in accordance with national responsibilities and with international responsibility for data exchange.

2. Organized data in a uniform manner that would speed up generation of information for environmental planning, management and assessments;
3. Decision-support system that assist coastal and marine, and river-basin managers, planners, policy-makers and stakeholders in addressing environmental issues;and
4. Venue for sharing information among and between regions and the central office of DENR, in a timely and cost-effective manner.



The project will cover the 832 coastal towns and cities with the following issues addressed:

1. lack of a standardized system for data collection, collation and recording, uncertainties regarding data quality and sources of data;
2. inadequate data analysis and interpretation and packaging of data for use by managers and planners; and
3. inaccessibility of data due to the inadequate reporting systems and/or an unwillingness

Access to environmental data in a timely manner and in an appropriate format is the backbone to a successful implementation of any coastal resource management and environmental programs. This has been a problem for many of our coastal managers, researchers and environmental planners in assessing the coastal and environmental risk, generating the environmental profile/socioeconomic profile, promoting public awareness on the importance of the coastal environment, environmental monitoring, resource valuation, coastal use zoning and conducting an environmental impact assessment.

The project address this major roadblock by adopting the Integrated Information Management System (IIMS) developed by the Partnerships in Environmental Management for the Sea of East Asia (PEMSEA) Acquisition, processing, integration, and visualization of various data on coastal and marine and river basin management needed for decision-making is a key feature of the IIMS. It is a decision-support system which captures data on site boundaries, biological resources, socioeconomic profile, demography, governance, pollution resources, environmental quality, water resources, physiographic and natural and human made hazards. It has a user-friendly query system containing technical and management data needed for environmental management, planning and decision-making. It can handle temporal and spatial analyses, enhanced by its linkages with GIS and ecological models. IIMS is intended to provide the following:

1. Timely, reliable and cost-effective data that facilitate in planning, management and assessment;