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**Summary Report
of the Batangas Bay
Demonstration
Project Evaluation
Workshop**



Batangas City, Philippines
24-25 July 1997

**SUMMARY REPORT OF THE BATANGAS BAY
DEMONSTRATION PROJECT EVALUATION
WORKSHOP**

Batangas City, Philippines, 24-25 July 1997

1997

Published by the GEF/UNDP/IMO Regional Programme for the Prevention
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LIST OF ABBREVIATIONS

BBCICM	Batangas Bay Council for Integrated Coastal Management
BBDP	Batangas Bay Demonstration Project
BCRMF	Batangas Coastal Resources Management Foundation
CENRO	Community Environment and Natural Resources Office
DENR	Department of Environment and Natural Resources
DILG	Department of Interior and Local Government
ECC	Environmental Compliance Certificate
GEF	Global Environment Facility
GIS	Geographic Information System
ICM	Integrated Coastal Management
IMO	International Maritime Organization
IWMAP	Integrated Waste Management Action Plan
LGU	Local Government Unit
MPP-EAS	Regional Programme for Marine Pollution Prevention and Management in the East Asian Seas
PENRO	Provincial Environment and Natural Resources Office
PG-ENRO	Provincial Government of Batangas-Environment and Natural Resources Office
PPA	Philippine Ports Authority
SEMP	Strategic Environmental Management Plan
UNDP	United Nations Development Programme
UP-MSI	University of the Philippines - Marine Science Institute
USEC	Undersecretary
VA	Voluntary Agreements

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... Governor of Batangas ... more companies ... protection and preservation ... also acknowledged the ... Environment and Natural ... above-mentioned task.

Introduction

The Batangas Bay Demonstration Project (BBDP) Evaluation Workshop on Assessing Results and Impacts was held at Alpha Hotel, Batangas City on 24-25 July 1997 (see Annex I for the program of activities). This was attended by delegates from national government offices, local government units, academic institutions, private sectors and non-government organizations (see Annex II for the list of participants).

The main objective of the workshop is to review the project activities, evaluate their results, assess their impacts and make recommendations on measures for improvement and extension of demonstrable experience. The workshop is also expected to provide an assessment on the performance of all the project activities both individually and as a whole.

During the workshop, each project activity and its results were presented for comments and the presentors were requested to focus on the following:

- achievements and progress in terms of implications and benefits for application of Integrated Coastal Management in Marine Pollution Prevention and Management;
- experiences and lessons learned that could be extended or demonstrated to other parts of the region/country;
- recommendations on the improvement of project performance and follow-up activities upon completion of the project; and
- processes, i.e. consultations and implementation conducted in terms of budget and schedule.

The workshop was organized by the Global Environment Facility/United Nations Development Programme/International Maritime Organization Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas (MPP-EAS) and the Provincial Government of Batangas - Environment and Natural Resources Office (PG-ENRO).

The workshop was opened by Hon. Hermilando I. Mandanas, Governor of Batangas Province. In his welcome remarks, he emphasized that Batangas Province is booming economically (e.g. port construction, more companies investing), and along with these developments, the protection and preservation of the environment should also be the focus. He also acknowledged the establishment of the Provincial Government - Environment and Natural Resources Office (PG-ENRO) for pursuing the above-mentioned task.

In his message, Dr. Chua Thia-Eng shared some experiences from the Xiamen Demonstration Project. This would serve as a basis of comparison with the results of the Batangas Bay Project. He then presented some proposed replicate ICM sites in both the Philippines and in the East Asian Region.

Engr. Evelyn L. Estigoy, Officer of PG-ENRO, Dr. Huming Yu, Senior Programme Officer, MPP-EAS and Ms. Corazon Abansi, Officer of BBDP, provided background information on the workshop and the BBDP objectives, approaches and activities.

Session I: Institutional Development for ICM

Dr. Antonio La Viña, Undersecretary for Legal Affairs, Department of Environment and Natural Resources (DENR) discussed the topic on the **Needs and Appropriate Mechanisms for Integrated Coastal Management**.

Basically, the objectives of his study were to assess the adequacy of existing management systems, to determine what institutional changes should be introduced to effectively address management concerns, and to develop and identify a set of criteria for selecting and establishing the most appropriate organizational structure for the environmental management of the Batangas Bay Region (BBR). An output of his study was an analysis of rationale for the creation of Batangas Bay Environment Protection Council also known as the Batangas Bay Council for Integrated Coastal Management with PG-ENRO as technical secretariat.

Engr. Evelyn L. Estigoy, Officer of PG-ENRO presented her paper **ENRO: Establishment, Role, Mandate, and Current Affairs**. She mentioned the establishment of PG-ENRO through Sangguniang Panlalawigan (SP) Resolution No. 136, Series of 1995 and SP Resolution No. 292, - Appropriation Ordinance No. AO-003, Series of 1995. She presented some devolved functions from DENR concerning forest management, protected areas and wildlife, environment management, and mines and geo-sciences development.

She further explained that PG-ENRO serves as the implementing agency of BBDP by facilitating and coordinating its various activities and studies, and the technical secretariat to the Batangas Bay Region Environmental Protection Council. PG-ENRO is also coordinating and monitoring the implementation of the Taal-Tagaytay Master Plan, implementing Mining Act of 1995, and serving as Secretariat of Provincial Mining Regulatory Board.

The **Establishment, Role, Mandate, and Current Activities of Batangas Bay Council for Integrated Coastal Management (BBCICM)** was presented by Atty. Ronaldo Geron, Board Member and Chairman of the Committee on Environment of the Sangguniang Panlalawigan of Batangas.

The BBCICM was established through SP Resolution No. 276, Series of 1996. The council consists of, the Governor of the Province of Batangas as chairman, and representatives from both government and non-government sectors as its members. Atty. Geron noted some accomplishments of the council, including the review and adoption of Strategic Environment Management Plan and the Integrated Waste Management Action Plan. Some proposals for establishment of major industries were evaluated and the council has served as an avenue for monitoring the progress of the BBDP.

The open forum noted that BBCICM and PG-ENRO proved to be the institutional mechanisms for developing partnerships and integrated approach to environmental management in the Batangas Bay Region.

Many participants looked into why similar efforts did not flourish elsewhere in the country. It was observed that there was a combination of critical factors behind the institutional changes in Batangas, these were:

- political commitment of the provincial administrative leadership in environmental management;
- similar support from the provincial board (legislative organ);
- promotion for setting up an ICM council by coastal city and municipal governments;
- policy of the central government on the devolution of functions in managing environment and natural resources
- ICM framework and approaches provided by the BBDP;
- incorporation of the new mechanisms into the regular programs and budget of the provincial government; and
- an operational team organized by the BBDP.

Responding to the question on the difference in functions between PENRO/CENRO of DENR and PG-ENRO, USEC La Viña emphasized that there is a necessity to transfer the capability from line agencies such as DENR to local government units. He looked to the devolution of function to LGUs, especially with respect to Environmental Compliance Certificate (ECC), but assured that capabilities will also be devolved to address environmental issues.

In relation to this, he suggested to the PG-ENR officer to write to the Regional Director of DENR-Region IV advising them not to issue an ECC without prior endorsement from the BBCICM.

When asked whether the city government could also create an Environment and Natural Resources Office, USEC La Viña explained that the creation of an ENRO or Environment Office is based on the Local Government

Code and that it is optional. DENR and DILG are planning to release a Memorandum Circular that will encourage LGUs to form an ENRO.

SESSION II: Development of Management Tools and Techniques

Mr. James Paw, Technical Programme Officer of MPP-EAS provided a background on the development of **Coastal Environmental Profile of the Batangas Bay Region**. The Profile was a comprehensive technical document that described and assessed the bay region within an ICM framework and covered biophysical characteristics, socio-economic aspects, legal and institutional arrangements.

Strategic Environmental Planning was presented by Dr. Huming Yu, Senior Programme Officer, MPP-EAS. He emphasized that the Strategic Environmental Management Plan (SEMP) offers a generic ICM framework of actions for sustainable uses of resources and environmental protection, and a blue print for conversion into a plan of actions for various agencies and sectors. The plan became a working program for PG-ENRO.

Under the activity of **Geographic Information System (GIS)**, Mr. James Paw explained the use of the technology in spatial data management and analysis. He showed that for the Batangas Bay Demonstration Project, GIS is being used in the establishment of the spatial database for the Batangas Province and the Batangas Bay Region. It is also used for site selection of suitable sanitary landfill in support of the Integrated Waste Management Action, development of the Environmental Management Atlas of the Batangas Bay Region and for the formulation of a water use functional zonation scheme which included training PG-ENRO staff on the use and operation of the system. His presentation also included problems and constraints encountered in the implementation of the activity ranging from data acquisition, data capture and processing to software upgrading.

The topic **Functional Zonation** was presented by Prof. Ernesto Serote of the School of Urban and Regional Planning, University of the Philippines-Diliman. He cited the rationale of the study to focus on the assessment of water use zonation scheme for Batangas Bay. He believed that the zonation would possibly resolve the conflicts among the different claimants of water-use rights of the bay, e.g. fisheries, heavy industries, recreation, shipping and navigation. Further, the study would support economic development, environmental integrity and social equity which he defined as the three pillars of sustainable development.

Dr. Porfirio Alinio discussed the study on the **Fisheries and Living Resources Assessment**. He mentioned the significance of the study, its importance to fishing, applicability in the functional zonation study and

identification of crucial adaptive management. He identified some issues like low fish catch as attributable to the following: conflicts between commercial and municipal fishing, poverty and inefficiency in fishing, environmental degradation and illegal fishing. He proposed some priority programs and plans that would address these issues, including a proposal for Tingloy or Maricaban Island on a number of sustainable development scenarios.

During the open forum, it was stressed that further efforts are needed for the fishery project to strengthen its analysis and come up with an assessment on the stock size. The on-going water zonation efforts were encouraged. Further, in the zoning, ecosystem features need to be integrated with socio-economic considerations. Strengthening of inter-agency and cross-sector consultation in the zoning process was emphasized.

SESSION III: Capacity Building in Monitoring and Assessment

Dr. Cesar Villanoy from UP-MSI discussed the study on **Hydrodynamic Modeling of Batangas Bay**. He noted that the results of the study would be an input for the pollution monitoring program of the bay. He explained the hydrodynamic characteristics of the bay which govern the modeling process including the bathymetry, meteorological conditions, tidal movements and hydrographic properties.

Dr. Gil Jacinto from UP-MSI presented the study on the **Development of Pollution Monitoring Program** for the Batangas Bay, with a focus on the basis for setting-up a pollution monitoring program in the area. He gave an overview on the different parameters, (i.e. suspended solids, oil and grease and coliforms), and their relevance. Expected outputs of the study were noted: coliform watch, determination of "hot spots" and the percentage of areas exceeding environmental standards.

The **Laboratory Establishment and Training** was presented by Engr. Evelyn L. Estigoy. The laboratory is intended to provide services on the analysis of parameters identified under the Programme. She informed that two ENRO staff had undergone training on sampling and analytical techniques related to marine pollution at Xiamen, China. Aside from this, ENRO staff are currently involved in the monitoring work currently being conducted by the UP-MSI.

Assessing Environmental Quality Changes was presented by Dr. Gil Jacinto (UP-MSI). He provided an overview about criteria and standards as well as on the classification of Batangas Bay. At present, Batangas Bay is classified as Class SC which means that the bay is still ideal for the culturing of fish and transport uses.

During the open forum, it was emphasized that the construction of the laboratory should be accelerated in order to facilitate the monitoring activities. The workshop stressed the need to network all the existing monitoring efforts in the bay region as a critical component of capacity building in marine pollution monitoring.

SESSION IV: Integrated Waste Management

Mr. Adrian Ross, Senior Programme Officer of MPP-EAS pointed out that the **Integrated Waste Management Action Plan (IWMAP)** before its adoption, had undergone several consultations among stakeholders. He highlighted some unique features of the action plan: *integrated approach*, addressing various types of waste; *voluntary approach*, committing stakeholders to work together based on existing regulations; and *programmatic approach*, establishing some 29 sub projects which allow to move toward long-term goals.

Engr. Evelyn L. Estigoy of ENRO focused her discussion on the **Implementation of IWMAP**. Its major activities included: zero waste management programs in Batangas City and Bauan (LGU's); model ordinance drafted by DILG & DENR (ENRO/DENR); submission of reports on the inventory of wastes by 6 BCRMF members; continuous training under the Pollution Control Association of the Philippines. (BCRMF); feasibility study on the Establishment of Shore Reception Facility and Related Services for Ship and Port Waste at Selected ports in the Philippines signed (PPA); and collaboration with UWEP Programme (base in Netherlands) with emphasis on public and local communities participating in integrated waste management.

Mr. Arnel Arevalo from the Municipal Government of Bauan, Batangas, discussed the **Bauan Waste Management Action Plan**. The plan covers all water and land areas falling within the administrative boundaries of Bauan, Batangas within the period of sixteen (16) years, from 1995 to 2010.

Atty. Gina Bernad of MPP-EAS presented a report on **Waste Management Regulations**. She noted that the devolved function of waste management is not clearly provided for in the Local Government Code. Its only concern specifically mentioned solid waste. A project to implement the LGC relating to ICM, including waste management, has been started in Batangas Bay. A model ordinance for the use of Batangas Bay LGUs will be produced.

During the open forum, when asked about the sanctions that could be given for non-compliance to Voluntary Agreement, Mr. Ross explained that no sanction could be imposed since the agreement was voluntary. A moratorium was provided in the voluntary agreement, after which regulations would be fully implemented.

Prof. Kalalo from the Pablo Borbon Memorial Institute of Technology (PBMIT) informed the group that PBMIT experts/students can be made available for activities related to pollution monitoring.

Engr. Estigoy encouraged each Local Government Units to create a unit, if not, at least an Environmental Officer position that will serve as focal point for coordination. Dr. Chua mentioned that the programme can assist in the training of these officers in terms of ICM.

Session V: Public - Private Sector Partnership/Sustainable Financing Mechanisms

Mr. Jorge Masbate, Assistant to Mr. Tim Hake on the Technical Affairs of BCRMF from Shell Refinery focused on the topic **Batangas Coastal Resources Management Foundation (BCRMF) and Its Role in Environmental Management of Batangas Bay.**

The foundation was established in 1991 and its current members include: Batangas Governor, AG&P, Caltex, Chemphil, Coccochem, EEI, Gen. Milling, Keppel, Mabuhay Vinyl, Purefoods & Shell. Their initial activity was the launching of an educational campaign on environmental awareness through the program "Kilos Kabayan para sa Kalikasan" (Move for Nature). After BCRMF's second year, the foundation experienced a slowing down of activities. However, in the late 1995 and early 1996, the BCRMF was revitalized with the implementation of the Batangas Bay Demonstration Project. BBDP gave the BCRMF an opportunity to pursue its objectives within the framework of Integrated Waste Management Action Plan.

The achievements of BCRMF in 1997 include: strengthened internal cooperation among the members; promotions to non-member companies; and formed a venue for raising environmental concern and sharing of experiences on waste management and technical know-how on environmental matters among industries. The foundation also represented the private sectors in the Batangas Bay Council for ICM, and provided input to the SEMP and IWMAP. The foundation also facilitated the review and arrangement for the signing of Voluntary Agreements (VA) for Industrial Wastes, monitored the status of submission of the waste inventories and target setting of waste reductions among the member companies. At present, the Foundation is encouraging the non-member companies to be involved (14 non-member companies attended membership meeting) and they arranged briefing sessions for the non-BCRMF members on SEMP and VA.

Mr. Adrian Ross focused on **Public-Private Partnership** in developing port reception facilities. He mentioned that a Memorandum of Agreement with the Philippine Ports Authority (PPA) had been signed and the terms of reference

for a feasibility study (FS) had been prepared. It is planned that the FS will be contracted and by October, an investor's meeting is expected to be organized.

Ms. Corazon C. Abansi of BBDP discussed the rationale for the establishment of an **Environmental Management Fund and Developing and Effluent Fee System**. She enumerated some of the innovative financing mechanisms that can be applied such as the privatization scheme, BOT scheme, and trust fund mechanisms and some source of financing.

Ms. Cathy Tejam, Resource Economist of MPP-EAS presented her paper: **Contingent Choice Valuation of Environmental Resources in Batangas Bay Region**. A total of 1,902 completed questionnaires comprise the results of the survey, covering barangays in the municipalities of Mabini, Bauan, San Pascual, Ibaan, and San Jose and the cities of Lipa and Batangas. Respondents were asked to rank environmental programs based on the importance of specific resources and issues. The results showed that respondents find conservation of fish as the highest priority, followed by waste management, then protecting of corals and lastly sewage treatment and disposal. The survey revealed a very high environmental awareness in Batangas, particularly in waste management issues. Respondents indicated willingness to pay PhP 500.00/mo for a sanitary landfill, against present payment of PhP 120.00/mo for an open dump system.

The BCRMF was commended for improving the relationship between both public and private sectors. It was also concluded that the management fund would require more study and consultation, and that the private sector would play a key role in this undertaking. It was further noted that there should be a clear delineation of where the money would be used. Finally, it was emphasized that there should be a shared responsibility in the management of the bay.

Mr. Arellano from the Philippine Ports Authority expressed his appreciation on the efforts to put up a port reception facility in Batangas Bay. He further inquired on the cost for the construction of the facility based on MPP-EAS experience. Mr. Ross explained that the costing would be the output of the Feasibility Study which is expected to be finished in about eight weeks.

Conclusion / Recommendation

The workshop formulated its conclusions and recommendations to the provincial government of Batangas, other local government units and the BBDP management as follows:

Conclusions

The BBDP is a marked success in the application of integrated coastal management (ICM) framework for marine pollution prevention and mitigation. Significant progress has been made in ICM institutional arrangements, developing integrated waste management framework and programs, fostering public and private sector partnership, strengthening capability in marine pollution monitoring and assessment, capacity building in local institutions and personnel, and enhancing public awareness and participation.

Recommendations

A. Institutional Arrangements

1. Strengthen BBCICM and its operation, including broadening of the participation of the stakeholders in coastal management, its role in major coastal development policy and strategies, and its funding;
2. Strengthen PG-ENRO and its operation, and environment management functions of LGUs, industries, cities, municipalities, and communities; and
3. Study the need for provincial legislation on ICM mechanisms, scope and its operational modalities.

B. Integrated Waste Management

1. Consolidate the on-going waste management initiatives and results, including regulations, source reduction, local participation, information system development and pilot projects;
2. Strengthen capacity in marine environment contingency planning and response;
3. Monitor and evaluate the implementation of the integrated waste management action plan and update the plan as the need arises; and
4. Promote public awareness and participation in waste management.

C. Public and Private Sector Partnership

1. Strengthen the role of BCRMF in developing and implementation of marine environment protection and management programmes;
2. Mobilize funding support for the implementation of integrated waste management action plan; and

3. Implement market-based instruments being developed under the BBDP.

D. Monitoring and Assessment System

1. Network existing efforts and capabilities of the region in marine pollution monitoring;
2. Accelerate the establishment of PG-ENRO chemical lab and its operation; and
3. Prepare and disseminate annual and quarterly marine environment quality reports as effective tools for early warning and initial impact assessments;

E. Scientific and Technical Support System

1. Finalize on-going technical projects, including GIS application, hydrodynamic study, fisheries assessment, ships' routing study, functional zonation and pesticide impact assessment;
2. Evaluate project outputs to ensure that they effectively address major management concerns relating to marine environment in accordance with the conclusions of this workshop;
3. Set up a cross-sectoral task force on preparation of an integrated coastal and marine zonation scheme; and
4. Strengthen multidisciplinary efforts to provide scientific basis for the integrated zoning efforts.

F. Capacity Building

1. Strengthen participation of local institutions and involvement of local professionals in project implementation; and
2. Provide further training to PG-ENRO and other environment managerial staff in the region in project development and management, including implementation particularly pertaining to the area of ICM framework, approaches and application.

The Evaluation Workshop was closed at 1600 hours on 25 July 1997.

BATANGAS BAY DEMONSTRATION PROJECT
Evaluation Workshop on Assessing Results and Impacts
Alpha Hotel, Batangas City
July 24-25, 1997

P R O G R A M M E

JULY 24, 1997

8:00 - 9:00	Registration	
9:00 - 9:30	Welcome Remarks/ Message	<p>Hon. Hermilando I. Mandanas Governor, Province of Batangas</p> <p>Dr. Chua Thia-Eng Regional Programme Manager GEF/UNDP/IMO Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas</p>
9:30 - 9:50	Project Objectives and Framework	<p>Dr. Huming Yu Technical Adviser GEF/UNDP/IMO MPP-EAS</p>
9:50 - 10:00	Coffee Break	
10:00 - 10:20	Implementation Process, Milestones and Results	<p>Ms. Corazon L. Abansi Officer, Batangas Bay Demonstration Project</p>
10:20 - 10:40	Objectives of the Workshop	<p>Engr. Evelyn L. Estigoy Officer, Provincial Government- Environment and Natural Resources Office</p>

Engr. Evelyn L. Estigoy
Regional Programme Officer
GEF/UNDP/IMO MPP-EAS

SESSION I**INSTITUTIONAL DEVELOPMENT FOR ICM**

	Chairman	Hon. Hermilando I. Mandanas Governor, Province of Batangas
	Moderator	Dr. Gil Jacinto Marine Science Institute University of the Philippines
10:40 -11:00	Needs and Appropriate Mechanisms for ICM	Dr. Antonio Lavinia Undersecretary for Legal Affairs DENR
11:00 -11:20	ENRO: Establishment, Role, Mandate, and Current Affairs	Engr. Evelyn L. Estigoy Officer, PG-ENRO
11:20 -11:40	BBCICM: Establishment, Role, Mandate and Current Activities	Hon. Ronaldo Geron Board Member / Chairman SP Committee on Environment Province of Batangas
11:40 - 12:00	Open Forum	
12:00 - 12:05	Synthesis	Moderator
12:05 - 1:00	L U N C H	

SESSION II**DEVELOPING MANAGEMENT TOOLS AND
TECHNIQUES**

	Chairman	Hon. Mario Magsaysay Mayor, San Pascual, Batangas
	Moderator	Mr. Mario Leviste Dean Management Technology and Development Center, De La Salle - Lipa
1:00 - 1:20	Environmental Profiling	Mr. James Paw Technical Programme Officer GEF/UNDP/IMO MPP EAS

1:20 - 1:40	Strategic Environmental Planning	Mr. Huming Yu Technical Adviser GEF/UNDP/IMO MPP EAS
1:40 -2:00	Application of GIS for Planning and Management	Mr. James Paw Technical Programme Officer GEF/UNDP/IMO MPP EAS
2:00 -2:20	Functional Zonation	Prof. Ernesto Serote School of Urban and Regional Planning University of the Philippines
2:20 -2:40	Fisheries and Living Resources Assessment	Dr. Porfirio Alinio Marine Science Institute University of the Philippines
2:40 -3:00	Open Forum	
3:00 -3:05	Synthesis	Moderator
3:05 - 3:20	Coffee Break	

SESSION III CAPACITY BUILDING IN MONITORING AND ASSESSMENT

	Chairman	Mr. Tim Hake Gen. Manager, Pilipinas Shell, Tabangao, Batangas City
	Moderator	Dr. Huming Yu Technical Adviser GEF/UNDP/IMO MPP-EAS
3:20 - 3:40	Hydrodynamic Modeling of Batangas Bay	Dr. Cesar Villanoy Marine Science Institute University of the Philippines
3:40 - 4:00	Development of Pollution Monitoring Programme	Dr. Gil Jacinto Marine Science Institute University of the Philippines

4:00 - 4:20	Laboratory Establishment and Training	Ms. Evelyn L. Estigoy Officer, PG-ENRO
4:20 - 4:40	Assessing Environmental Quality Changes	Dr. Gil Jacinto Marine Science Institute University of the Philippines
4:40 - 5:00	Open Forum	
5:00 - 5:05	Synthesis	Moderator
JULY 25, 1997		

SESSION IV	INTEGRATED WASTE MANAGEMENT
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	Chairman	Hon. Bienvenido Castillo Mayor, Bauan, Batangas
	Moderator	Engr. Evelyn L. Estigoy Officer , PG-ENRO
8:20 - 8:40	Integrated Waste Management Action Plan	Mr. Stephen A. Ross Senior Programme Officer GEF/UNDP/IMO MPP-EAS
8:40 - 9:00	Implementation of Action Plan	Engr. Evelyn L. Estigoy Officer, PG-ENRO
9:00 -9:20	Action Plan for Bauan and Implementation	Ms. Carolina Valdez Environmental Officer Municipality of Bauan
9:20 -9:40	Waste Management Regulations	Atty. Gina Bernad GEF/UNDP/IMO MPP-EAS
9:40 - 10:00	Open Forum	
10:00 - 10:05	Synthesis	Moderator
10:05 - 10:20	Coffee Break	

SESSION V	PUBLIC - PRIVATE SECTOR PARTNERSHIP / SUSTAINABLE FINANCING MECHANISMS	
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	Chairman	Hon. Eduardo B. Dimacuha Mayor, Batangas City
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	Moderator	Mr. Philip Baroja Executive Assistant City Government of Batangas
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10:20 -10:40	BCRMF and Its Role in Environmental Mgmt. of Batangas Bay	Mr. Tim Hake General Manager, Shell Refinery Tabangao, Batangas City
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10:40 -11:00	Public-Private Partnership for Batangas Bay	Mr. Stephen A. Ross Senior Programme Officer GEF/UNDP/IMO MPP-EAS
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11:00 -11:20	Environmental Management Fund and and Developing an Effluent Fee System	Ms. Corazon L. Abansi Officer, BBDP
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11:20 -11:40	Contingent Choice Valuation of Environmental Resources in Batangas Bay Region	Ms. Cathy Tejam Resource Economist GEF/UNDP/IMO MPP-EAS
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11:40 -12:00	Open Forum	
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12:00 -12:05	Synthesis	Moderator
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12:05 -12:15	Conclusions/Recommendations	
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12:15 - 1:00	LUNCH	
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CLOSING CEREMONY

3:00	Remarks	Hon. Hermilando I. Mandanas Governor Province of Batangas
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**Annex II. List of Participants of Batangas Bay
Demonstration Project Evaluation Workshop
The Alpha Hotel, Batangas City
24-25 July 1997**

A. Participants from the province of Batangas

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