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PHILIPPINE ENVIRONMENTAL GOVERNANCE 2 PROJECT (ECOGOV 2)

# Quarterly Performance Report No. 9

October 1 through December 31, 2006

March 13, 2007

This publication was produced for review by the United States Agency for International Development. It was prepared by Development Alternatives, Inc.



The EcoGov 2 Project is an initiative of the Government of the Philippines, implemented in partnership with the Department of Environment and Natural Resources, Department of the Interior and Local Government, local government units and other stakeholders, funded by the United States Agency for International Development and managed by Development Alternatives, Inc. and its subcontractors:

Cesar Virata & Associates, Inc. ■  
Deloitte Touche Tohmatsu Emerging Markets ■  
The Marine Environment and Resources Foundation, Inc. ■  
The Media Network ■  
Orient Integrated Development Consultants, Inc. ■  
Resources, Environment and Economics Center for Studies, Inc. ■

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**Originally submitted February 15, 2007  
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The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.



## PREFACE

The United States Agency for International Development (USAID), through its Mission to the Philippines, has contracted Development Alternatives, Inc. (DAI) to implement the Environmental Governance 2 Project (EcoGov 2) under Contract 492-C-00-04-00037-00. The effective date of the contract is October 1, 2004 through September 30, 2009, with a two year option period to September 30, 2011. DAI implements the project with the assistance of four Philippine organizations—Cesar Virata & Associates (CVAI); the University of the Philippines’ Marine Environment and Resources Foundation (MERF); Orient Integrated Development Consultants, Inc. (OIDCI); and Resources, Environment and Economic Center for Studies (REECS)—and two American firms—the Deloitte Emerging Markets Group (EMG) and The Media Network.

The Contract requires DAI to submit Quarterly Progress Reports to USAID within 45 days of the close of each operating quarter. The report summarizes quarterly objectives, accomplishments toward those objectives, implementation issues and proposed resolutions, the status toward achieving sustainability of efforts, and the planned performance objectives for the next quarter.

The report consists of two sections. The first is an overview of the project and a summary of progress and activities over the preceding quarter. The second section provides detailed updates on activities undertaken for each of six Contract Line Item Numbers (CLINs), which themselves correspond to the target areas in the Contract Scope of Work. More detailed information on EcoGov 2 is available in other reports for readers who may not be familiar with the project. These reports are available from our project offices and USAID.

Ernesto S. Guiang  
Development Alternatives, Inc.  
Chief of Party  
USAID/Philippines EcoGov 2

February 15, 2007



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**Note on the use of currency:** The majority of currency figures named in this document are stated in Philippine pesos. At the time of writing, one U.S. dollar was equivalent to approximately 50 pesos.

**A note on the use of capitalization in this document:** EcoGov documents capitalize directional place names only when they are formally applied; for example, Central Visayas (a formal area equivalent to Region VII) or South Cotabato (a province). When directional descriptions are used as adjectives, the word is not capitalized; for example: northern Luzon, western Mindanao, or southern and central Mindanao.

## ACRONYMS

ADSDPP	-	Ancestral Domain Sustainable Development and Protection Plan
ARMM	-	Autonomous Region in Muslim Mindanao
BEMO	-	Bohol Environment Management Office
BNS	-	Basic Needs Service
CADC	-	Certificate of Ancestral Domain Claims
CADT	-	Certificate of Ancestral Domain Title
CBFM	-	Community-Based Forest Management
CBFMA	-	Community-Based Forest Management Agreement
CCEF	-	Coastal Conservation and Education Foundation, Inc.
CENRO	-	Community Environment and Natural Resources Officer
CHED	-	Commission on Higher Education
CLIN	-	Contract Line Item Number
CoP	-	Chief of Party
CRM	-	Coastal Resources Management
CTO	-	Cognizant Technical Officer
CVAI	-	Cesar Virata & Associates, Inc.
DA/BFAR	-	Department of Agriculture/Bureau of Fisheries and Aquatic Resources
DAI	-	Development Alternatives, Inc.
DCoP	-	Deputy Chief of Party
DED	-	Detailed Engineering Design
DENR	-	Department of Environment and Natural Resources
DEWATS	-	Decentralized Wastewater Treatment System
DILG	-	Department of the Interior and Local Government
EcoGov	-	USAID Environmental Governance 2 Project
EJP	-	Environmental Justice Project
EMB	-	Environmental Management Bureau
EMG	-	Emerging Markets Group
ENRD	-	Environment and Natural Resources Division
ENRO	-	Environment and Natural Resources Office
FAO	-	Food and Agriculture Organization
FASPO	-	Foreign-Assisted and Special Projects Office
FFM	-	Forests and Forest Lands Management
FISH BE	-	Fisheries Bio-Economic Model
FISH	-	Fisheries Improved for Sustainable Harvest
FLET	-	Fisheries Law Enforcement Team
FLUP	-	Forest Land Use Plan
FMB	-	Forest Management Bureau
FRENDS	-	Friends of the Environment for Development and Sustainability
GoAd	-	Governance and Advocacy Sector
GSA	-	Guided Self-Assessment
GTZ	-	German Technical Assistance
IBRA	-	Illana Bay Regional Alliance
IEC	-	Information, Education and Communication

IFMA	- Industrial Forest Management Agreement
IPR	- Individual Property Right
IQS	- Indefinite Quantity Subcontracts
IRR	- Implementing Rules and Regulations
ISFI	- Institute for Small Farms and Industries
ISWM	- Integrated Solid Waste Management
LCP	- League of Cities of the Philippines
LGU	- Local Government Unit
LINAW	- Local Initiatives for Affordable Wastewater Treatment Project
LMP	- League of Municipalities of the Philippines
LPP	- League of Provinces of the Philippines
LSP	- Local Service Provider
M&E	- Monitoring and Evaluation
MERF	- Marine Environmental and Resources Foundation
MFO	- Major Final Output
MMAA	- Muslim Mindanao Autonomy Act
MoA	- Memorandum of Agreement
MPA	- Marine Protected Area
MRF	- Materials Recovery Facility
MSN	- MPA Support Network
MSU	- Mindanao State University
NCIP	- National Commission for Indigenous Peoples
NGO	- Non-Government Organization
NSWMC	- National Solid Waste Management Commission
OIDCI	- Orient Integrated Development Consultants, Inc.
OVI	- Objective Verifiable Indicator
PAMB	- Protected Area Management Board
PAWB	- Protected Areas and Wildlife Bureau
PENRO	- Provincial Environment and Natural Resources Office
PFEN	- Philippine Forestry Educators Network
PMWC	- Philippine Muslim Women Council
PO	- People's Organization
RED	- Regional Executive Director
REECS	- Resources, Environment and Economic Center for Studies
RfP	- Request for Proposal
RMP	- Resource Management Plan
RSFMA	- Regional Sustainable Forest Management Act
SCOTIA	- Sustainable Coastal Tourism in Asia
SLF	- Sanitary Landfill Facility
SO	- Strategic Objective
SOW	- Scope of Work
STF	- Septage Treatment Facilities
STTA	- Short-Term Technical Assistance
SWM	- Solid Waste Management
TA	- Technical Assistance
UEM	- Urban Environmental Management

- UPLB - University of the Philippines Los Baños
- UPMSI - Marine Science Institute of the University of the Philippines
- USAID - United States Agency for International Development
- WACS - Waste Analysis and Characterization Studies
- WMCIP - Western Mindanao Community Initiative Project
- WWM - Wastewater Management
- WWTF - Wastewater Treatment Facilities



## 1. PROJECT OVERVIEW AND HIGHLIGHTS OF PROGRESS THIS QUARTER

The Philippine Environmental Governance 2 (EcoGov 2) Project, a grant by the US Government to the Government of the Philippines, provides technical assistance for the implementation of activities resulting in improved environmental governance by the project's local and national counterparts, improved management of forests, coastal areas, and solid waste, and the promotion of local government investment into sanitation facilities. EcoGov 2 fits within USAID's Strategic Objective 4 (SO 4) for strengthening the management of productive and life-sustaining natural resources and within the overall Mission goal of enhanced security, governance, and capacity for sustainable and equitable economic growth. As such, the long-term vision for EcoGov 2 is to conserve biological diversity by addressing problems of open access and mitigating natural resource-based conflicts in priority eco-regions. By contract, EcoGov 2 runs from October 1, 2004 through September 30, 2009, with a subsequent two-year option.

### 1.1. Project Overview

EcoGov 2 works in five technical areas and three broad geographic locations in the country. It also uses several cross-cutting elements in its technical approaches and works at a national level for institutional strengthening. The technical areas, which the implementation team refers to as sectors, correspond to five Contract Line Item Numbers (CLINs)<sup>1</sup>, as follows.

**CLIN 0001: Strengthened Government Institutions**, with a five-year target of improving the capacity of 80 local government units (LGUs) to apply better governance practices in the management of their natural resources. The team uses a combination of advocacy, social marketing, public awareness (e.g., information, education and communication or IEC methods), and local-level policy support to achieve its goals in this sector. (Referred to in this report as the Governance and Advocacy sector, or GoAd.)

**CLIN 0002: Improved Forest Management**, aimed at reducing illegal logging and conversion of forest lands and with five-year targets of (a) placing over 250,000 ha of natural forest under improved management, (b) improving the productive development of 14,000 ha of forest, and (c) clearly establishing four management links between watershed management and the downstream water distribution system. (Referred to in this report as the forests and forest lands management sector, or FFM.)

**CLIN 0003: Improved Coastal Resources Management (CRM)**, aimed at reducing over- and destructive fishing and with five-year targets of (a) placing 106,000 ha of coastal area under improved management, (b) establishing 20 new marine sanctuaries, and (c) improving the management of 50 existing marine sanctuaries. (Referred to in this report as the CRM sector.)

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<sup>1</sup> There is also a CLIN 0006 for Management and Administration. This CLIN accounts for those costs, such as office rent, that cannot be precisely allocated to a single sector.

**CLIN 0004: Improved Waste Management**, with a five-year target of effecting significant diversion of waste from open dumps to controlled dumps, sanitary landfills, recycling, and composting in 90 LGUs. (Referred to in this report as the urban environmental management sector, or UEM.)

**CLIN 0005: Municipal Investment in Sanitation**, with a five-year target of promoting public and private investment in the wastewater and solid waste disposal facilities of 20 LGUs. (Referred to in this report as the municipal finance sector.)

Certain elements of the project are not captured in any single CLIN, but are clearly part of the Contract and/or the approach. These include promotion of transparent, accountable, participatory, and gender inclusive processes; organizational strengthening of national- and provincial-level line agencies; the enhancement of law enforcement; and a commitment to measuring improved health at a household level.

EcoGov 2 implements activities toward achieving the five sets of targets by working from five offices serving northern, central, and southern portions of the country.

**Manila:** maintaining Sector Leaders and senior policy specialists who work with national level agencies and who lead field efforts.

**Solano:** serving LGUs in northern Luzon's Region 2 and 3.

**Cebu City:** serving LGUs in Central Visayas.

**General Santos City:** serving LGUs in the central, southern, and eastern portions of Mindanao, including partners from the Autonomous Region in Muslim Mindanao (ARMM)<sup>2</sup>.

**Zamboanga City:** serving LGUs in western/peninsular Mindanao and Basilan.

At the national level, the principal counterparts of the project are the Department of Environment and Natural Resources (DENR) and several of its bureaus. The project also works with the Department of Agriculture's Bureau of Fisheries and Aquatic Resources (DA/BFAR), Department of the Interior and Local Government (DILG), and the Leagues of Municipalities, Cities, and Provinces (LMP, LCP, and LPP, respectively). At the local level, the project works directly with LGUs, as well as the local offices of national government agencies entrusted with natural resources management. At all levels, the project works with non-government and civil society organizations, academic institutions, and local service providers who are stakeholders, or partners, in project success.

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<sup>2</sup> EcoGov 1/EcoGov 2 maintained a regional office in Cotabato City for this portion of Mindanao throughout 2002, 2003, 2004, and 2005. For strategic and logistical reasons, this office relocated to General Santos City at the close of 2005.

## 1.2. Highlights of Progress this Quarter and Trends in Implementation

We note the following highlights for the past quarter.

- EcoGov facilitated and coordinated the visit by United States Ambassador Kristie A. Kenney to Marawi City and Zamboanga City. As a result of the first trip, EcoGov signed a Memorandum of Agreement (MoA) with the City LGU to provide technical assistance in solid waste management.
- At the request of DENR/Foreign-Assisted and Special Projects Office (FASPO), EcoGov conducted workshops with senior management in DENR Regions 2, 3, 7, and 11 to help integrate USAID SO4 project efforts into the workplan of the DENR. These workshops provided insight into how FASPO and the DENR Policy and Planning Office can improve the Major Final Output (MFO) and the Objective Verifiable Indicator (OVI) systems.
- In October 2006, the project provided the financial and logistic support such that Governor Miguel Dominguez and DENR Regional Executive Director (RED) Clarence Baguilat could attend an FAO conference in Vietnam on how effective forest management can address upland poverty.
- DAI, as the prime contractor, signed 12 indefinite quantity subcontracts with local service providers and issued an initial set of Requests for Proposal (RFPs).

The table below summarizes achievements to date per the project's eight performance indicators.

**Table 1. Summary of Targets and Accomplishments as of December 31, 2006**

Life-of-Project (LoP) Target	Year 3 Target	Accomplishments		Remarks
		Qtr 1 Year 3	LoP	
<b>Indicator 1: Number of government institutions meeting good environmental governance index</b>				
80 LGUs	TBD	4	16	Baseline assessment of 8 additional LGUs was done during the quarter of which 4 obtained high rating. These are now 20 LGUs with overall index >0.75 based on baseline survey. There are 24 other LGUs with high index in sector with EcoGov assistance.
<b>Indicator 2: Hectares of natural forest under improved management</b>				
254,670 ha	79,042 ha	Ongoing work with 15 tenure holders.	48,233 ha	Accomplishment to date is 19% of LoP target.

Life-of-Project (LoP) Target	Year 3 Target	Accomplishments		Remarks
		Qtr 1 Year 3	LoP	
<b>Indicator 3: Hectares of forestlands under productive development</b>				
14,000 ha	12,520 ha	Ongoing assistance to 21 tenure holders and 3 grantees	404 ha	Accomplishments through small grants. Accomplishment to date is 3% of LoP target.
<b>Indicator 4: Coastal areas under improved management</b>				
106,700 ha	47,042 ha	Ongoing work in 6 coastal LGUs	69,166 ha	Accomplishment to date is 65% of LoP target.
<b>Indicator 5: Number and hectares of new marine sanctuaries established</b>				
20 sanctuaries (627 ha)	11 (220 ha)	2 MPAs established (65.0 ha); ongoing MPA establishment in 6 LGUs.	15 (988 ha)	Accomplishment to date is 75% of LoP target (but 158% in terms of area).
<b>Indicator 6: Number and hectares of existing marine sanctuaries under improved management</b>				
50 sanctuaries (2,500 ha)	13 (920 ha)	Ongoing strengthening activities in 9 MPAs	7 (1,200 ha)	Accomplishment to date is 14% of LoP target (but already 48% in terms of area).
<b>Indicator 7: Number of LGUs diverting at least 25% of waste from disposal to recycling and composting</b>				
90 LGUs	41	Continuing assistance to 32 LGUs	22	Accomplishment to date is 24% of LoP target.
<b>Indicator 8: Number of LGUs investing in wastewater facilities</b>				
20 LGUs	10	Four wastewater projects are at the design stage.	1	Accomplishment to date is 5% of LoP target.

## 2. DETAILED QUARTERLY PERFORMANCE REPORT BY CONTRACT LINE ITEM NUMBER

This section of the report provides a detailed examination of planned outputs for the quarter, actual activities undertaken, any problems we may have encountered and their proposed resolution, objectives for the next quarter, and status toward achieving sustainability of efforts. This section is divided according to the six CLINs of EcoGov 2, with the discussion of each CLIN highlighting activities by geographic location.

### 2.1. Strengthened Government Institutions

#### *a. Expected Outputs for the Quarter*

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 2. GoAd Expected Outputs for the Quarter**

Expected Outputs	Status
Conduct baseline governance survey for eight new LGU partners	Completed
Facilitate and coordinate visits of US Ambassador in Marawi City and Zamboanga City; and of Secretary Neri in Cotabato City	Completed
Facilitate agreements for clustering disposal sites in Bohol and South Cotabato	Ongoing

#### *b. Summary of Accomplishments and Activities*

The GoAd team has one unique output from the Contractual Scope of Work; namely, improving the capacity of government institutions for better governance over the management of their resources. This output, as well as the other activities of the GoAd team, cut across the other four sectors. The GoAd team's efforts include advocacy, raising political will, IEC, public awareness, social marketing, behavior change, and policy reform, each of which can be applied to issues of forestry, CRM, waste management, and municipal finance. Thus, the majority of the GoAd team's efforts are best reviewed from a project-wide standpoint, rather than from any one geographic region. The team organizes GoAd interventions into three sets of activities, discussed below: implementing the governance index, support by regional offices for implementing activities of other sectors, and collaboration with national partners and theme networks.

#### **Governance Index**

- EcoGov regional teams helped eight LGUs complete the baseline self-assessment of their environmental governance index. To date, 88 LGUs have completed this assessment. The eight LGUs are:

- Aritao (Nueva Vizcaya)
- Carmen (Cebu)
- General Santos City
- Davao City
- Tupi (South Cotabato)
- Polomolok (South Cotabato)
- Surallah (South Cotabato)
- T'boli (South Cotabato)

### **Support by Regional Offices for Implementing Sector Activities**

- **Northern Luzon.** Nueva Vizcaya LGUs completed the training on FLUP forest land allocation and sub-watershed prioritization. The provincial core team together with EcoGov assisted the municipal core teams to start the process of formulating strategies on how the LGUs can sustainably protect and manage their forest lands.
- **Northern Luzon.** Together with concerned DENR field offices, the team oriented the provinces of Aurora and Cagayan on how they can get organized, receive EcoGov training, and assist their LGUs develop their forest land use plans for DENR approval.
- **Northern Luzon.** The team assisted Nueva Vizcaya in finalizing and getting Steering Committee approval for the investment guidelines in Lower Magat Forest Reserve. Initial negotiation with the Green Eight Industries, Inc. should lead to the establishment of a 500-hectare jathropa plantation. The Development Bank of the Philippines (DBP) has committed to provide financing.
- **Northern Luzon.** The team assisted Nueva Vizcaya in organizing and conducting the summit in Lower Magat Forest Reserve, especially in Diadi and Bagabag, to inform occupants and increase the level of understanding of various tenure holders in the co-managed area.
- **Northern Luzon.** The team assisted the UEM Core of Aurora in assisting six LGUs complete their solid waste management plan and initial implementation activities.
- **Northern Luzon.** The team helped the LGUs and institutional implementation partners in solid waste management document the best practices and processes in various learning sites in Maddela: Quirino State College in Diffun, Quirino General High School in Cabarroguis, and the Bambang municipal LGU, the Bayombong night market, and the Nueva Vizcaya provincial LGU.
- **Northern Luzon.** EcoGov facilitated the SO4 integration workshop in Regions 2 and 3. Two USAID-supported projects participated in this: Enterprise Works Worldwide (EWW) and the Environmental Justice Project (EJP).

- **Northern Luzon.** EcoGov facilitated creation of a forestry training consortium consisting of Nueva Vizcaya State University, FREnds (a local NGO), the DENR, and the provincial government of Nueva Vizcaya to upscale FFM efforts.
- **Central Visayas.** Conducted dialogues with LGUs (Panglao, Tanjay, Duero, Sta. Catalina and the cities of Bayawan, Danao and Toledo) on how they could improve their functionality index and, thereby, improve their environmental governance index.
- **Central Visayas.** Continued to assist Jagna implement, expand, and improve its social marketing campaigns in solid waste management. As a result, the private sector, industries, and local stakeholders supported campaigns on local radio and television, communication materials such as songhits, pamphlets, posters, and the mascot “Guyo Boy.”
- **Central Visayas.** Helped the LGUs of Jagna and Duero as learning sites for ISWM by assisting them develop communication materials and strategies to deal with visitors and *lakbay aral* programs.
- **Central Visayas.** Assisted in the clustering for ISWM SLF facility in north Metro Cebu (15 LGUs) by facilitating clarifications between key officials of the Cebu Provincial Government, City of Danao and the municipality of Carmen.
- **Central Visayas.** Supported the cross visit of staff from the Bohol provincial government and concerned LGUs to Boracay, Malay, Aklan to observe solid and waste water management practices which may be applied in Panglao Island.
- **Central Visayas.** Together with the province of Cebu, continued to facilitate the clustering of five LGUs in the Camotes Sea for the protection and management of coastal resources and mangrove forests.
- **Central Visayas.** Facilitated a regional workshop with DENR 7 and SO4 partners to identify opportunities for integration and complementation among Energy and Clean Air Project (ECAP), EcoGov2, FISH, SCOTIA, FISH, LINAW in support of DENR’s MFOs and OVIs.
- **Central Visayas.** Together with BEMO, facilitated and led the collaboration efforts of EcoGov 2, SCOTIA, World Vision, and GTZ Water and Sanitation Project to improve waste water management in Dauis, Panglao Island.
- **Southern and Central Mindanao.** The team worked with ten municipalities in South Cotabato to review the status and progress of their solid waste management programs. Of particular focus was the South Cotabato governor’s expressed support for common landfills.

- **Southern and Central Mindanao.** The North Cotabato Provincial Development Council endorsed the partnership between the Provincial Government and EcoGov for SWM. The draft MoA is now being reviewed by the Province's Legal Office.
- **Southern and Central Mindanao.** In Sarangani, the team assisted the LGUs, Dole Philippines, and pineapple growers in planning soil and water conservation measures.
- **Southern and Central Mindanao.** We facilitated SO4 integration meetings with Regions 11 and 12. This was attended by AMORE, ECAP and EJP.
- **Southern and Central Mindanao.** We assisted DENR/ARMM in briefing USAID Mission Director John Lindborg and the NEDA Secretary General on the Regional Sustainable Forest Management Act (MMAA 161).
- **Western Mindanao.** The team facilitated the final consultation with the Muslim religious sector, the DENR-ARMM, the academe and LGU representatives on the draft of the IEC sourcebook on environment, *Al Khalifa*. The Deputy Grand Mufti for Western Mindanao and Palawan, Ust. Wakil Tanjili, will review quoted Quranic injunctions for their appropriateness of citation, preparatory to endorsing the final works for printing, distribution, and use. The LGUs affirmed willingness to use the IEC sourcebook in their respective Muslim communities and villages, when this is completed. EcoGov 2 will use this Islam-oriented source book to partner with LGUs and other organizations in developing and implementing audience-specific communication materials.
- **Western Mindanao.** Zamboanga del Sur committed increased support for CRM in 2007, and Zamboanga Sibugay committed to further support for CRM, FFM, and UEM for the year.
- **Western Mindanao.** EcoGov provided presentation materials to mayors from Zamboanga del Sur who visited Malaysia for possible business matching and investment promotion.
- **Western Mindanao.** In response to the request of the Philippine Muslim Women Council (PMWC), an alliance of 49 women's organizations and individuals nationwide, we supported their conference to *Save Lake Lanao* in Marawi City. The US Ambassador was the keynote speaker. One result of the conference was a MoA on waste management, signed by EcoGov, PENRO Malik Pangandaman, and City Mayor Omar Solitario Ali.

### **Collaboration with National Partners and Theme Networks**

The GoAd team works with national partners and network groups to spread the project's work beyond direct technical assistance. These partners allow for greater advocacy, replication of best practices, and institutionalization of our approach.

- **National-level DENR.** Project staff in Manila worked with FMB, FAO, NGOs and other organizations in crafting the revised CBFM Strategy and Action Plan. The project supported various LGU and PO participants to the national consultation workshop.
- **World Bank.** Together with a USAID Officer, the CoP met with several World Bank staff in Manila and discussed possible collaboration and complementary efforts for improving environmental governance, especially in Mindanao. Focus will likely be on the Bank’s Mindanao Rural Development Project Phase 2 and Environment and Natural Resources Development Project, which provides programmatic support to the DENR.
- **Philippine Forestry Educators Network (PFEN).** The project is supporting this network to students and faculty to local government units and thereby, broaden the markets of forestry professionals. Members include Western Mindanao State University, Isabela State University, Nueva Vizcaya State University (NVSU), UPLB, and Southern Luzon Agricultural College in Antipolo City.
- **MPA Support Network (MSN).** EcoGov 2 together with the 12 co-signatory institutions formulated the MSN Action Plan for December 2006–December 2007. MSN includes the Department of Agriculture–Bureau of Fisheries and Aquatic Resources (DA-BFAR) and the DENR–Protected Areas Wildlife Bureau (PAWB) and Department of Science and Technology- Philippine Council for Aquatic and Marine Research and Development (DOST-PCAMRD), and NGO like the Conservation International (CI), World Wide Fund for Nature (WWF), Haribon, CCEF and academic institutions like MSU, SUACKREM and UPMSI.

### **IEC and Media Linkages**

- The team in Manila completed the drafts of the following technical reports for final review by the EcoGov team and selected peer reviewers. These reports will be released in formats readily accessible to the media and non-specialists.
  - FISH-BE Workshop Proceedings.
  - Managing Philippine Coastal Areas: A Guide for Local Government Units
  - Assessment of Forest Management in Tenured Forest Lands: Issues and Recommendations.
  -
- Completed the following summaries of technical reports:
  - “Strengthening the Market for Recyclables: What LGUs Can Do.”
  - “Developing the Market for Recyclables in Mindanao.”
  - “Enhancing LGU Support to Forestland Management.”
  - “Waste Analysis and Characterization Studies Lead to Informed Decision-Making: Adopting Good Governance through Waste Characterization.”
- Completed the “Directory of Solid Waste Recyclers in Mindanao.”

- We trained LGU staff in Aurora in audience research and analysis (e.g., “doer/non-doer” analysis) for use in developing effective communication campaigns.
- Prepared the success story, “Wao: A model of environmental commitment in the ARMM.”
- Prepared the following bullets and stories for USAID and DENR use:
  - “Antipolo formalizes forest management plan.”
  - “LGU-private sector partnership for clean water in Dauis, Bohol.”
  - “Vigilance good for Isabela City waters.”
  - “Youth appeal energizes waste campaign in Jagna, Bohol.”
  - “Isulan students help in waste segregation.”
  - “Duero steps up waste management program; now a model in the province.”
  - “New DENR guidelines to help LGUs comply with waste management law.”
  - “Maranaos unite to save Lake Lanao.”
  - “Sarangani boy and girl scouts plant 2,500 trees.”
  - “Mayors learn from each other to better serve constituents.”
  - “Bayombong mayor gets tough on garbage.”
  - “Islanders make big move to secure their life source in San Pablo.”
  - “Muslim leaders endorse environment sourcebook.”
  - “Upland farmers group in Quirino get livelihood support from Department of Labor and Employment (DOLE).”
- Prepared the following news stories:
  - “Women lead multi-sectoral covenant to protect Lake Lanao.”
  - “Jagna shares social marketing gains with Metro Bohol Cluster LGUs.”
  - “Approaching environmental management from the Islamic perspective.”
- Prepared the following stories that were published:
  - “Town in Aurora wakes up to reality that resources need to be protected” (Article) – Inquirer, October 15.
  - “USAID links up for preservation on two watersheds in Zamboanga” (News) – Business World, December 1-2.

### ***c. Implementation Problems and Proposed Resolution***

- As elections approach, LGUs are showing reluctance both to pass new ordinances as well as to enforce existing ones. There is a great need now to identify and support local champions.
- The SO4 integration workshops with the various DENR regional offices pointed to a disconnect between the DENR’s MFOs and OVIs and EcoGov 2 project activities and

outputs. DENR appears to have a fragmented approach to planning and programming at the national level. At the same time, foreign-assisted projects are not integrated with either DENR's regional agenda or those of the provinces or LGUs. The project will work with DENR and SO4 partners in implementing collaborative and complementary activities to show that we can achieve integration with the MFOs and defined OVIs as the unifying framework.

*d. Objectives for the Next Quarter*

- Organize and conduct an EcoGov internal discussion on the newly-approved GoAd strategy.
- Prepare for the mid-project guided self-assessment (GSA) survey [after the national election in May 2007.]
- Engage LSPs to help the TA team carry out selected communication and social marketing activities.
- Refine the project's existing knowledge management system to effectively respond to the increasing demand for EcoGov knowledge products.
- Provide feedback to the eight LGUs that conducted a baseline GSA.
- Refine the strategy to working with provincial governments to expand to non-partner LGUs, such that they provide more budgetary support and sustain their efforts.
- Present the Zamboanga Sibugay Provincial Environment Steering Committee (PESC) accomplishments during provincial anniversary celebration in February 2007.
- Release and use the final draft of the *Al Khalifa* sourcebook in selected LGUs in Western Mindanao, ARMM, and in Marawi City.
- Carry out community-based social marketing campaigns related to the Metro Bohol cluster landfill and wastewater management in Panglao Island.
- Provide support to the Earth Day Network as it plans for Earth Day celebrations from April 20-22. This will include providing a photo exhibit and participating in outreach to the local print and broadcast media.

*e. Status toward Achieving Sustainability of Efforts*

The approach of the GoAd team is built around sustainability. The team works through LGUs, the DENR, the Leagues, and theme networks to institutionalize EcoGov sector approaches. There is no defined point where we can say, "sustainability has been achieved." However, an indicator of success will be when these agencies start promulgating EcoGov interventions to LGUs who are not EcoGov partners. The GoAd

team will continue on this path as it collaborates with the leagues and key provincial governments.

## 2.2. Improved Forest Management

### a. *Expected Outputs for the Quarter*

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 3. FFM Expected Outputs for the Quarter**

Expected Outputs	Status
Complete resource management plans of at least 6 tenure holders (4 co-management in Central Visayas and 2 CBFMAs in Sarangani)	Continuing
Establish IPR policy with initial implementation within co-management areas and target community-tenure holders (Central Visayas, Sarangani and Wao)	Continuing
Train target POs in Basilan and Southern Mindanao on financial and cash flow management and law enforcement	Delayed for next quarter
Signing of co-management agreement in Zamboanga City and Tungawan (co-management)	Completed (Zamboanga City)
Data integration and profiles for resource management plans of Ayala and Manikahan watersheds in Zamboanga City, Talomo-Lipadas watersheds and co-management area in Davao City	Ongoing analysis and field validation
Initial FLUP training for 5 ARMM LGUs, 2 Sultan Kudarat LGUs, Province of Zambo Sibugay and its 3 LGUs	Completed; ARMM training delayed
Initial agreement among DENR 11 and 12, and PAMB re activities in Mt. Apo Protected Area	Delayed
Initial FLUP training for FMB staff and DENR-Calabarzon through FLUP application in Antipolo City	Completed; FLUP preparation ongoing
Discussion with JBIC-funded Program for Forest Resources Mgt for adoption of FLUP principles	Not started; FMB to initiate activity
Initial agreements with Phil Forestry Education Network or replication and upscaling of FFM best practices	Completed
Tested tenure mgt assessment instruments for proclaimed watersheds, reservations and large IFMA areas	Ongoing; meetings held with PNOC, NPC and NIA
Technical and economic analysis of jatropha plantations	Delayed; compilation of technical papers started
Completed initial chapters of the Omnibus Forestry Guidelines	Ongoing. Part 1 ready for DENR consultations
Agreement between FMB and NEDA re integration of FLUP into planning system	Not started; FMB to initiate activity
Support to the preparation of the updated CBFM Strategic Plan	Ongoing.
Start development of unified ENR-Forestry agenda in selected provincial LGUs (e.g., Nueva Vizcaya, Quirino, Sarangani, Zamboanga Sibugay)	Delayed

### *b. Summary of Accomplishments and Activities*

We present accomplishments for the quarter on a sector/nation-wide basis, and follow with details for each of EcoGov's four geographic regions.

#### **FFM Sector-Wide Accomplishments**

- We assisted with joint DENR-LGU FLUP implementation reviews in all project regions.
- In October 2006, the project supported the participation of Governor Miguel Dominguez and RED Clarence Baguilat in Vietnam on how effective forest management can address poverty in the uplands. Governor Dominguez has started using the principles he learned by directing the use of low impact harvesting system for the approved 500 cubic meter AAC of the CBFMA holder in Maasim. He also linked the PO's harvest of timber to the association of boat makers in Sarangani and General Santos City.
- DENR Region 9 and the City of Zamboanga City signed the co-management agreements covering more than 7,000 hectares in the Ayala and Manicahan watersheds.
- Five LGUs in ARMM began FLUP activities with EcoGov and DENR-ARMM support. Training was delayed because of Nick Uriarte's death.
- The Manila team is working with DENR FMB and DENR Region 4 to assist Antipolo City complete its FLUP. We are doing this as a demonstration and capacity building exercise for Manila-based DENR personnel.
- We completed drafts of various chapters of the Omnibus Forestry Guidelines. The FMB Executive Committee agreed to the following structure. Part 1 will cover the scope, objectives, core functions, and organization of the forestry sector. Part 2 will focus on assisting various tenure holders. Part 3 will cover permitting, licensing, enforcement, and other related provisions.
- Manila personnel reviewed drafts and provided inputs in national consultation and steering committee meetings to update the national CBFM Strategic Plan with FAO technical assistance.
- CoP held a meeting with PFEN board members. Selected staff of member institutions have started to participate in the activities of Northern Luzon and Western Mindanao.

### **FFM Accomplishments – Northern Luzon**

- **FLUP.** Completed the joint DENR-LGU review of the implementation progress of seven LGUs with approved FLUPs.
- **FLUP.** Supported upscaling of FLUP in Nueva Vizcaya and conducted FLUP orientation for the provinces of Cagayan and Aurora.
- **Investments.** The team assisted Nueva Vizcaya finalize and obtain approval for the investment guidelines in the Lower Magat co-managed area. The province continued to invest in improving the eco-tourism facility in the area. It has also held consultations with occupants, claimants, and tenure holders in the co-managed area, especially those in Diadi and Bagabag municipalities.

### **FFM Accomplishments – Central Visayas**

- **FLUP.** Completed the joint DENR-LGU review of the implementation progress of eleven LGUs with approved FLUPs. EcoGov assisted the DENR and the concerned LGUs to determine priority follow-up actions to be compliant to the FLUP MoA.
- **Co-management.** The team continued to assist LGUs implement their co-management agreements, re-align investments, and provide support to communities in the co-managed area.
- **Upscaling.** In Region 7, the DENR has taken the lead in the ongoing upscaling and replication efforts of FLUP and co-management in the provinces of Negros Oriental, Bohol, and Cebu.

### **FFM Accomplishments – Central and Southern Mindanao**

- **FLUP.** Completed the joint DENR-LGU review of the implementation progress of six LGUs with approved FLUPs. EcoGov has completed the draft recommendations on how DENR and the concerned LGUs will carry out priority follow-up actions in 2007 to improve FLUP implementation.
- **FLUP.** The team worked with DENR ARMM and LGUs in developing action plans and started the capacity building program with five LGUs as pilots in the implementation of RSFMA and its IRR. Thematic maps of two LGUs (Datu Odin Sinsuat and Upi) were completed.
- **Collaboration.** Presented the experience of Southern and Central Mindanao FFM team in protecting biodiversity during an international symposium on Biodiversity in Musuan, Bukidnon on 25-27 October 2006.

- **Assistance to Tenure Holders.** The team continued to work with DENR and LGUs with approved FLUPs in assisting various tenure holders improve their forest lands management, especially in Maitum and Kiamba (Sarangani).

#### **FFM Accomplishments – Western Mindanao**

- The Zamboanga Sibugay province formed the Provincial Technical Working Group for FFM through Executive Order 2006-6-22-1 to facilitate and coordinate the preparation of FLUPs of its municipalities. The municipalities of Naga, RT Lim and Tungawan were the first group to request the preparation of their FLUPs. EcoGov oriented the LGUs on FLUP in October in Zamboanga City.
- The DENR and the Zamboanga City signed the co-management agreement for joint management of the Ayala and Manicahan watersheds on November 23, 2006. Ambassador Kristie A. Kenney and affected barangay captains served as witnesses to the document.
- The DENR, LGU of Isabela City and EcoGov reviewed implementation of the LGU's FLUP, and recognized need for improvement. The team pointed to the need for the involvement of the mayor and DENR ARMM.

#### ***c. Implementation Problems and Proposed Resolution***

- The implementation of the FLUP MoA suffers from lack of institutional support from DENR and, in some cases, LGUs. The recently completed assessment of FLUP implementation revealed that existing policies need clear guidelines on how the LGUs and DENR operationalize the MoA for implementing their FLUPs.
- Leadership changes at the national and regional DENR in the forestry sector cause delays in the implementation of joint action plans. The delays in signing the proposed NIPAS IRR and completion of the draft of the Omnibus Forestry Guidelines were partly the consequences of changes in leadership at FMB and PAWB. Thus, the team worked with the division chiefs and key staff at the national and regional level to foster institutional memory of EcoGov initiatives within these agencies.

#### ***d. Objectives for the Next Quarter***

- Facilitate follow-up actions with DENR and LGUs on the recommendations for improved implementation of FLUP and co-management agreements.
- Facilitate the completion and submission of various forest resource management plans for CBFMAs, co-management areas (Wao and Negros Oriental), and CADTs/CADCs (CRFMs, RMPs, ADSDPP for CADTs, respectively) to approving bodies (DENR, LGU-DENR Steering Committee, NCIP).

- Assist target tenure holders to meet the requirements for improved forests and forest land management in all EcoGov regions, especially in IPR issuance, compliance with forestry rules and regulations, and other desired best practices.
- Facilitate the preparation of management plans for the co-management agreement in Talomo-Lipadas, and the watershed management plans for Davao River and Talomo-Lipadas in Region 11.
- Develop an action plan for assisting DENR Regions 11 and 12 for improving the management of Mt. Apo Protected Area system.
- Finalize and submit draft Part 1 of the Omnibus Forestry Guidelines to FMB-DENR.
- Complete and submit the FLUP of Antipolo City to the LGU and DENR for their review and approval.
- Start the field assessment of large forest land tenure (e.g., Philippine National Oil Corporation [PNOC], National Irrigation Authority [NIA], National Power Corporation [NPC] reservations, and IFMA)
- Complete and discuss with counterparts the framework for the study on government shares from forest management and for the payment for environmental services in Barobbob watershed.
- Participate in the regional consultations and finalization of the Updated CBFM Strategic Action Plan.

*e. Status toward Achieving Sustainability of Efforts*

All aspects of the FFM team's approach are designed for the acceptance (or institutionalization) by counterpart agencies. We involve DENR CENRO and provincial personnel in as many actions as possible, and the FLUP process, by definition, is built around LGU participation. We are making further efforts to include provincial governments who can further promote improved forest land management to non-EcoGov LGUs. The team has also been actively seeking partnership with other donor projects to advocate common issues for improving forest management. The ongoing policy initiatives (e.g., NIPAS IRR, Omnibus Forestry policy, the CBFM Strategic Action Plan) are also designed to further stabilize national policies.

## 2.3. Improved Coastal Resources Management

### a. Expected Outputs for the Quarter

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 4. CRM Expected Outputs for the Quarter**

Expected Outputs	Status
2007 action plans of Danao, San Francisco, Poro, Tudela, Pilar and Balamban	Completed
Legitimized coastal zoning plan of Davao City; start of conduct of studies on user fees for fisheries, marine transport, and navigation zones.	On going
Signing of the co-management agreement in Tungawan	On-going discussions
Legitimization of at least 3 new MPAs (Camotes and Pagadian City)	2 legitimized, 1 ongoing
Initial agreements with prospective LGUs in Bohol and Negros Oriental for MPA networking/strengthening of existing MPAs	Completed
MPA network agreements, financing and action plans for Camotes and Illana Bay	On-going
Arrangements for MPA networking and inter-LGU alliance building of Baler, San Luis, Dipaculao, and Dinalungan, with ASCOT grant	Delayed (due to typhoon)
MS enforcement assessment and planning workshops in Illana Bay, Sibuguey Bay and Basilan	Completed
Training on participatory biophysical M and E in Camotes, Illana Bay and Sibuguey Bay	Completed
Coastal Law Enforcement Summits in Illana Bay and Sibuguey Bay	Delayed

### b. Summary of Accomplishments and Activities

#### Sector-Wide CRM Accomplishments

- The team provided assistance to Pagadian and San Pablo to create new MPAs.
- A first draft of the FISH BE proceedings is now being revised while a library of FISH BE simulations is being developed. An IEC material for LGUs on FISH BE is also being completed.
- A FISH BE public domain version of the computer program is being developed. The team is using the initial version of FISH BE as an IEC tool to highlight implications of fisheries management decisions related to protection, effort regulation and social safety nets has been drafted.
- Continued to develop, test and refine training modules, and tools for LGUs, partners, and CRM managers. These are the following:
  - Instruments to evaluate the performance of the marine sanctuaries (e.g., modified rating system, perceptions survey).
  - Orientation module about MPA networks.

- Guidebook for LGUs about managing Philippine coastal areas [draft being revised].

### **CRM Accomplishments – Central Visayas**

- Worked with CRM-assisted LGUs in completing their action plans for Year 3 implementation. The plans focus on strengthening the capacity of the management bodies in planning, implementation, and monitoring and evaluation.
- Completed the consolidation of all CRM-related laws/ordinances for each LGU. This includes a matrix of prohibited acts and range of fines/penalties from existing laws and ordinances. The compilation serves as reference/guide during the detection and apprehension process of enforcement.
- **New sanctuaries.** The San Francisco LGU established the San Isidro Marine Sanctuary and Santiago Marine Sanctuary through a municipal ordinance in October 2006. Both their 5-year management plans have also been adopted through the same ordinance.
- **New sanctuaries.** The Balamban LGU passed the first reading of an ordinance that will establish the Balang-Balang Marine Sanctuary in Barangay Nangka.
- **Existing sanctuaries.** Conducted the first follow-up M&E training for the MPA local monitoring team of the Pilar Municipal Marine Park. The training focused on how the communities will monitor biophysical and socio-economic improvements or changes as a result of MPA establishment and management.
- **Existing sanctuaries.** Five LGUs from Camotes Seas, including Danao City, prepared a joint action plan for MPA networking to improve implementation and management after the 2nd Camotes-Wide MPA Forum (held in October.)
- **Existing sanctuaries.** In collaboration with CCEF and the MPA Support Network, the project co-sponsored an MPA summit in Lapulapu City in October 2006. The summit highlighted the biophysical, socioeconomic, financial, and political advantages and disadvantages of MPAs.

### **CRM Accomplishments – Southern and Central Mindanao**

- **New sanctuaries.** Completed three MPA draft ordinances with indicative management plans for identified MPAs in Davao City.
- **New sanctuaries.** The draft executive order for a framework for management of the various coastal management zones of Davao City is currently under review. A CRM office is also being proposed together with its budgetary requirements based on the planned activities for the 2007.

### CRM Accomplishments – Western Mindanao

- **Improved CRM.** RT Lim’s draft municipal fisheries ordinance underwent public hearing and is currently for the final deliberation of the LGU Sangguniang Bayan.
- **Improved CRM.** As part of assistance for improving mangrove, the project sponsored a cross visit of Tungawan’s CRM team to Alicia’s and Ipil’s aquasilviculture projects such as the mud crab culture and mangrove rehabilitation.
- **Improved CRM.** Assisted the IBRA 9 Project Management Office in lobbying for increase budget allocation for CRM from the province of Zamboanga del Sur. As a result, the province approved Php 1 million from the Annual Investment Plan (AIP) for IBRA 9 operations and Php 300,000 to municipalities outside Illana Bay. The province also promised to allocate livelihood funds for coastal communities livelihood programs.
- **Improved CRM.** As a result of bay-wide FISH BE feedbacking in IBRA 9, member-municipalities agreed to form two clusters: Cluster 1 with Tukuran, Labangan and Dumalinao and City of Pagadian and Cluster 2 with Tabina, Dimataling, Dinas, San Pablo and Pitogo. Cluster 2 agreed to pursue common mariculture projects and propose ordinances related to fisheries management.
- **Improved CRM.** The team advised IBRA 9 officials to establish hotlines for reporting illegal activities, checkpoints for dynamited fish landing areas.
- **Improved CRM.** As a result of the baywide FISH BE feedbacking, the IBRA 9 LGUs agreed to enhance their fisheries ordinances and agreed to regulate the harvest of rabbitfish (Siganids) at specified seasons and use of banned gears.
- **Improved CRM.** As part of CRM IEC and advocacy campaign, the project assisted the Provincial Government of Zamboanga Sibugay in collaboration with DAR-Western Mindanao Community Initiative Project (WMCIP) in conducting the first province-wide CRM summit with a theme of “Panaghiusa gikinahanglan aron panginabuhì sa kadagatan ug katunggan mapanalipdan.” As a result, the mayors and participants signed the declaration of support on the proper delineation, zoning, protection and management of Sibugay and Dumanquillas Bays.
- **New sanctuaries.** In San Pablo, Zamboanga del Sur, the team assisted the LGU prepare the draft plans for three proposed MPAs in Tibu-Tabu (163 ha), SamVill (26 ha) and CuTe (25 ha). The plan with the proposed ordinance is now on the second reading of the municipal council.
- **New sanctuaries.** In Pagadian City, the team assisted the LGU conduct participatory MPA site selection and draft its MPA plan, and facilitated its participation to the MPA Summit in Cordova, Cebu.

- **New sanctuaries.** In Lukbuton-Panigayan Marine Protected Area (LUKPAN MPA), Isabela City, Basilan, initial site assessment, IEC, consultations with FARMC and barangay leaders, and establishment of markers and buoys were undertaken with the EcoGov team.
- **Existing sanctuaries.** In Pulo Piña MPA, Tungawan, Zamboanga Sibugay, the team assisted the LGU to complete the site description and biophysical benchmarking of a declared MPA. Draft plan was also prepared. The LGU continued to step up enforcement activities to ward off illegal fishing activities especially in the MPA area.
- **Existing sanctuaries.** In Illana Bay, an EcoGov-supported team from MSU-Naawan conducted biophysical monitoring and evaluation (M&E) of PALS and MiSSTa MPAs in Tukuran. The team's recommendations resulted to the LGU's commitment to M&E at least twice a year especially after typhoons. The LGU also started to construct eight billboards advocating sanctuary protection.
- **Existing sanctuaries.** In Illana Bay the Dumalinao LGU stepped up its IEC campaigns with additional billboards for the Bibilik and Bagong Silao MPAs; additional bamboo markers in Bibilik; and participation of BFAR, local officials, women's group, Bantay Dagat and Fisherfolk associations.
- **Existing sanctuaries.** In Illana Bay, the Dimataling LGU carried IEC campaigns and constructed two units of guardhouses with the collaboration of Bacayawan Seaseeds Farmers Development Organization.
- **Existing sanctuaries.** In RT Lim MPA, the LGU completed biophysical monitoring of corals and reef fishes and established six monitoring sites.
- **Existing sanctuaries.** In Tandu Balasan, Naga complete the biophysical monitoring and evaluation of the MPA site and established six monitoring sites.
- **Existing sanctuaries.** In Lampinigan, Isabela City, the LGU convened the CRM-TWG quarterly meeting. They discussed the establishment of the Lukbuton-Panigayan MPA, identification of issues and concerns, proposed amendments on the city fisheries ordinance, status of Lampinigan MPA, mangrove co-management and MoA among the law enforcers.
- **Existing sanctuaries.** In Maloong Canal Marine Protected Area, Lamitan, Basilan, the team assisted the LGU draft and finalize the municipal fisheries ordinance. The MPA stakeholders re-established the markers of the MPA site.

### *c. Implementation Problems and Proposed Resolution*

- CRM remains a low priority for LGUs like Balamban in Cebu. Industrial development and infrastructure garner more attention. The challenge for the team is to raise the profile of CRM interventions to show that they are worthwhile long-term investments.
- In Western Mindanao, peace and order (e.g. piracy and extortion) hampers fisheries enforcement and protection of MPAs.
- Creation of MPA networks is not simple: the members need clear benefits to outweigh the transaction costs of cooperation. The team is working to minimize such costs while enlightening the benefits to the LGUs.

### *d. Objectives for the Next Quarter*

- Plan and carry out the following IEC activities.
  - Conduct a social marketing meeting on MPA networking.
  - Develop necessary IEC, advocacy, and social marketing material for MPAs, networks, and fisheries regulation.
  - Distribute FISH BE public open source software.
  - Finalize FISH BE proceedings and manuals.
- Conduct training on financing options and LGU financial management in support of coastal resources management and MPA management by LGUs.
- Plan and initiate MPA networks in EcoGov target areas. This may involve the following:
  - Engage LSPs for Visayas and Mindanao to assist in MPA networking.
  - Plan for the MSN Visayas regional forum in February 2007
- Carry out assistance to LGUs that will improve the management of coastal resources and existing MPAs, and help establish new MPAs. Activities in the next quarter will include the following:
  - Finalize the Camotes Sea CRM Council's comprehensive inter-LGU MoA and working protocols.
  - Conduct MS enforcement workshops for the newly established marine sanctuaries in Carmen, Danao City, Poro and San Francisco.
  - Facilitate mangrove management and tourism development in Central Visayas and Zamboanga Sibugay.
  - Assess and strengthen the management of priority coastal zones and enforcement plans of Dinas, Tukuran, Dumalinao, Dimataling and IBRA 9 Fishery Law Enforcement Team (FLET).

- Facilitate the formulation and approval of gear/species regulation and ordinances for the municipalities of Tukuran, Dimataling and Dumalinao.
- Assist in the development of guidelines for MPA networks, including draft ordinances and inter-LGU agreements.
- Initiate implementation of inter-LGU reporting system for coastal/fisheries violation for IBRA 9.

*e. Status toward Achieving Sustainability of Efforts*

The CRM team actively sought participation of partners from the DENR, BFAR, provincial agricultural offices, and fishing communities to institutionalize its methods. It has also assisted local champions to lobby for increased share from IRAs and other local sources. The team mentored and coached counterparts so that they can carry out implementation activities on their own. Moreover, the team regularly updated local chief executives on CRM efforts, further engendering their continued political support. In Year 3, the team will actively advocate for the formation of MPA networks among LGUs to achieve long term biophysical, socioeconomic, and financial sustainability.

**2.4. Improved Waste Management**

*a. Expected outputs for the Quarter*

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 5. UEM Expected Outputs for the Quarter**

<b>Expected Outputs</b>	<b>Status</b>
Complete simplified SWM modules and templates	Ongoing
Agreements with and counterpart budget allocation by new provincial and municipal LGU partners (Marawi City, LGUs in Zamboanga Sibugay)	Completed
Completed and legitimized SWM plans of at least four LGUs	Ongoing
Detailed analyses of composting and recycling operations	Design of study completed
Assistance to NSWMC in finalization of guidelines for clustering of LGUs for common disposal facilities	Delayed
Simplified guidelines for waste diversion measurement and monitoring	Ongoing

*b. Summary of Accomplishments and Activities*

**UEM-SWM Sector-Wide Accomplishments**

- The team continued mentoring/coaching and closely monitoring the performance of the 22 LGUs which achieved 25 percent diversion in Year 2 and the 26 current LGU partners targeted for Year 3. Observations are as follows:
  - Seven of the 24 LGUs implemented concrete measures to further improve their waste diversion performance.
  - Eight of the 26 current LGU partners increased their efforts to put into place segregation at source, segregated collection, enforcement and composting.
  - Five LGUs (Panglao, Toledo City, Sta. Catalina, Pamplona, Davao City) have their plans at various stages of review and approval.
  - Two LGUs enacted their SWM ordinances with a few more LGU ordinances in the process of approval.
  - Composting of collected biodegradables was initiated in seven LGUs, mostly using compost heaps and windrows as composting facilities are still to be constructed.
- Twelve LGUs in the Metro Bohol cluster, Danao City, and Baler were trained to develop social marketing/strategic communications plans. The training module helped the LGUs do quick and simple audience research/baseline surveys and analysis which will be the basis for the development of target audience specific communications strategies and messages.
- EcoGov and DENR ARMM signed a MoA with Marawi City, which will be the fifth ARMM LGU with SWM assistance from EcoGov.
- Continued to train and mentor existing provincial core teams of Nueva Vizcaya, Quirino, Aurora, Cebu, Bohol, Negros Oriental, South Cotabato, and Zamboanga Sibugay so they can provide technical assistance to their municipal LGUs.
- Assisted individual LGUs and clusters of LGUs on disposal management. Simplified guidelines (with model design and cost estimates) for the design of category 1 and 2 sanitary landfills (SLFs) are being drafted. During the quarter, the Category 1 SLF of Wao became fully operational while the construction of the Category 2 SLF of Tacurong City was started. The team facilitated the decision of the South Cotabato LGUs, under the leadership of the Province, to pursue LGU clustering for common disposal facilities.
- Developed the concept paper for SWM business planning and the design of the planned composting and recycling studies, both of which are among the priorities in the UEM Year 3 workplan. The development of business plans is to help address the financial sustainability of SWM operations while the studies are to support LGU

decision-making re investments in composting and recycling, including private sector participation. Implementation of these will start next quarter.

### **UEM-SWM Accomplishments – Northern Luzon**

- Continued to assist 11 LGUs in implementing their solid waste management programs. As a result, Maria Aurora enacted a SWM ordinance, Cauayan City endorsed the proposed ordinance to its SP, and Dupax del Norte implemented regular waste collection and established windrow composting.
- Cauayan City decided to implement a “no MoA no collection” policy within its collection area with the participation of DepEd/Commission on Higher Education (CHED), DENR and DILG.
- Nine LGUs and the Province of Aurora prepared their work plans in 2007 to achieve 25% waste diversion.
- Advocated increased LGU budgets for SWM resulted to budget commitments in 2007 as shown in the table below.

<b>LGU</b>	<b>Amount Allocated (Php)</b>	<b>Status</b>
Nueva Vizcaya Province	1,200,000	approved
Bayombong	3,750,000	approved
Bambang	500,000	approved
Dupax Norte	600,000	approved
Bagabag	781,000	approved
Solano	1,600,000	approved
Quezon	50,000	approved
Aritao (expansion LGU for Year 3)	1,800,000	proposed
Aurora Province	669,288	approved
Ma Aurora	2,000,000	approved
Baler (expansion LGU for Year 3)	250,000	approved
Quirino Province	3,000,000	proposed
Diffun	500,000	approved
Maddela	1,000,000	proposed
Cabarroguis	1,300,000	proposed
Cauayan City	5,000,000	proposed

- Completed waste diversion assessments in Bayombong, Bambang, Maddela, Diffun and Cauayan City to help them establish their own baseline for determining periodic SWM improvements over time.
- Baler focused its activities on completing the SWM plan, enhancement of segregation at source and segregated collection, creation of SWM committees for various point

sources, and operationalization of the central composting facility and barangay materials recovery facilities (MRFs). It also agreed to be the pilot site for social marketing based on the training on results of the audience research and baseline assessment.

- The PLGU of Aurora provided financial and technical assistance to six LGUs (Dipaculao, San Luis, Dinalungan, Dilasag, Casiguran, and Dinggalan) to prepare ISWM plans and support implementation.
- Assisted Poblacion Norte, Maddela and Lusod, Maddela in documenting and packaging their SWM accomplishments and initiatives.
- Assisted Maddela, Diffun, Bambang and Bayombong as learning sites in developing their information and presentation materials.

### **UEM-SWM Accomplishments - Central Visayas**

- In partnership with the concerned provinces (ENRD of Negros Oriental, and BEMO and PENRO of Bohol and Cebu provinces, respectively), the team advised the following LGUs:
  - Finalization of the SWM ordinances for Amlan, Bais, San Jose.
  - Development of enforcement schemes and training of enforcers in Bayawan.
  - Completion of composting facilities for Bais, Bayawan, San Jose, Tanjay.
  - IEC/social marketing for Jagna, Metro Bohol, Danao.
  - Completion and legitimization of SWM plans for Duero, Panglao, Toledo City, Sta. Catalina, Pamplona, Compostela.
- Reviewed the status of SWM implementation in the cities of Toledo and Danao. The cities need to conduct IEC on full segregation into four types, enact SWM ordinance/ fees and on the use of reusable/biodegradable packaging materials, support junk shop operators, close and rehabilitate dumps, and conduct permeability tests of proposed disposal sites which will be the basis for the detailed engineering design of their SLFs.
- Assisted Jagna in sharing their experience in applying social marketing principles in SWM to the members of the Metro Bohol cluster, the BEMO and DENR-PENRO.
- Twelve LGU members of the Metro Bohol cluster completed a social marketing planning exercise and have agreed on a framework for coordinating a cluster-wide social marketing campaign.
- The Philippine Tourism Agency, which has committed to provide a grant for the Metro Bohol SLF, has started land procurement negotiations while the host LGU (Alburquerque) has started improving the access road to the site with funds provided by the Provincial Government and the District Representative. EcoGov continues to

assist Metro Bohol cluster in developing an audience-oriented communication campaign focusing on the proposed cluster landfill.

- The Cebu provincial government released Php 8 million for the procurement of the proposed disposal site in Carmen. The team is assisting the communication program for Danao City, Carmen, and other local stakeholders.

### **UEM-SWM Accomplishments – Central and Southern Mindanao**

- Completed composting plans for Sultan Kudarat, Parang, Wao and Lebak.
- Kalamansig and Kidapawan City enacted their SWM ordinances.
- Isulan started its composting operation.
- Lebak introduced vermicomposting.
- Wao's category 1 SLF became operational.
- Tacurong has started the construction of its category 2 SLF, with the approval of a Php 2 million budget for the initial phase.
- Prepared the design for LGU training on social marketing and strategic communications planning for implementation in January 2007.
- Completed the draft ISWM plan of Davao City.
- General Santos City completed the waste assessment of selected point sources. Results will be used to refine the city's SWM plan and in the design of its SLF project which will adopt the World Bank-supported Design-Build-Operate scheme.
- Ten LGUs of South Cotabato assessed their current ISWM implementation status. A workplan was developed to address identified gaps. In a succeeding LGU meeting, the Provincial Governor committed provincial support to the clustering of common SLFs. The LGUs all agreed to cluster with Surallah and Koronadal serving as hosts of the common disposal facilities.
- Initial discussions were held with the Province of North Cotabato and a presentation was made to its Provincial Development Council on EcoGov's technical assistance on SWM. A draft MoA was subsequently prepared and is now under review by the Province's Legal Office.

### **UEM-SWM Accomplishments - Western Mindanao**

- Assisted Isabela City, Buug and Ipil to improve their enforcement, IEC, composting and disposal management.
- Conducted an initial SWM orientation and training for the ENRO staff of Zamboanga Sibugay. The province committed support of P 200,000 to Siay, Imelda and Tungawan for SWM planning and implementation.
- EcoGov and DENR ARMM signed a MoA on SWM with Marawi City last Nov 29, 2006. The inclusion of Marawi City in the project is in support of current initiatives in this part of Mindanao restore Lake Lanao. City LGU officials and representatives of other stakeholders joined the Zamboanga Sibugay LGUs in the SWM orientation and training.

#### ***c. Implementation Problems and Proposed Solutions***

- Some LGUs slowed down their activities, and some that achieved 25 percent waste diversion actually showed signs of falling back below that target. This is due to new priorities in the LGUs requiring budgets, political dynamics between LCEs and SBs (resulting in delayed approval of plans, ordinances and budgets), and staff changes. This situation is expected to continue and even worsen with the forthcoming local elections. Advocacy by the team with our partners is very important at this time.
- LGUs which intend to close their open/controlled dumps in order to abide with the law and its implementing rules and regulation are not sure what to do with waste disposal. We will encourage the DENR and NSWMC to clarify the transition strategies from open/controlled dumps to the appropriate type of landfill or disposal facility.

#### ***d. Objectives for Next Quarter***

- Assist at least six LGUs meet the 25 percent diversion target.
- Facilitate the legitimization of the completed SWM plans (of at least five LGUs).
- Develop and initially implement social marketing plans for Metro Bohol and Danao City.
- Sign MoA for LGU clustering in South Cotabato.
- Sign MoAs with at least five new LGU partners, including North Cotabato Province.
- Complete drafts of refined SWM TA modules.
- Develop business planning modules and identify LGU targets.

- Complete detailed analyses of composting and recycling operations.
- Complete simplified procedures for the design of category 1 and 2 SLFs.
- Finalize guidelines for clustering of LGUs for waste disposal management.

*e. Status toward Achieving Sustainability of Efforts*

The UEM and municipal investment team works closely with LGUs, provincial governments, the DENR, and other local organizations (e.g., colleges) and forms technical working groups on waste management. Eventually, these groups will institutionalize EcoGov efforts and ensure the continuation of interventions we promote. Our team also promotes ordinances and enforcement, hoping to make ISWM a “norm” of behavior that is sustained.

## 2.4. Municipal Investment in Sanitation

*a. Expected outputs for the Quarter*

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 6. Municipal Investment Expected Outputs for the Quarter**

Expected Outputs	Status
Finalized and approved project designs of WWTF of Koronadal, and General Santos	Ongoing
Finalized and approved project design of WWTF of Kidapawan	Waiting approval
Design of STF for low cost housing in Dausi	Ongoing
Completed method for conducting broad assessment of sanitation and wastewater projects	Delayed
Meeting/discussions between DENR/EMB and NMIS re WWTF standards for slaughterhouses	Delayed

*b. Summary of Accomplishments and Activities*

### Municipal Investment Accomplishments – Central Visayas

- The technical team from the Province of Bohol, DENR-PENRO and the LGUs in Panglao Island completed the public sector plan in support of WWM and sustainable tourism in Panglao Island. The plan focuses on three action areas for Panglao Island: the development of WWM facilities, the review and streamlining of the structure for the coordination of tourism and environmental management activities, and the review and harmonization of environmental management policies that apply to the island and the various enforcement arrangements. The Provincial Governor approved the plan and its presentation to Panglao Island stakeholder groups.

- Supported a cross visit of the technical team to study the wastewater and solid waste management program in Malay, Aklan covering the tourism areas of Boracay Island.
- EcoGov, with SCOTIA and GTZ, advised Daus on a wastewater treatment system for a low-cost housing project to be developed by Bohol Concerned Citizens for Action and Progress (BCCAP) and funded by World Vision-Singapore. As agreed among the partners, EcoGov will take charge of the design of the sewerage network connecting the housing units and the wastewater facility, which is proposed as an anaerobic baffled reactor. SCOTIA will develop the design for the final treatment of wastewater using wetland system while GTZ will provide complementary technical assistance.
- Received request for technical assistance from Danao City in the design of a water treatment facility (WWTF) for its fish port, which is currently under construction. The LGU intends to use WWTF also for the treatment of wastewater from its public market. The Mayor has indicated the availability of a site and the initial budget for the construction of such facility.

#### **Municipal Investment Accomplishments – Southern and Central Mindanao**

- Assisted Kidapawan City in entering into a MoA with Basic Needs Services (BNS) for the latter to do the detailed engineering design and the supervision of the actual construction of the wastewater treatment facility for the city's abattoir. BNS completed and submitted the detailed engineering design and cost plan in mid-December. The proposed implementation plan for the wastewater treatment system is as follows:
  - Phase 1 (2007) Construction of DEWATS module for the wet section and slaughterhouse. Total cost is Php 3.36 million.
  - Phase 2 (2008) Improvement of the slaughterhouse and sewer connection. Total cost is Php 2.7 million.
  - Phase 3 (2009) Construction of DEWATS module for the market's perimeter area. Total cost is Php 1.8 million.

The city LGU is expected to allocate funding for Phase 1 in early 2007 or to realign its current allocation for the slaughterhouse improvement and sewerage (Phase 2) to the priority DEWATS module.

- Facilitated BNS assistance to General Santos City in the development of a wastewater facility for its public market. In addition, the city requested BNS to advise them on a new design and layout for the drainage pipe system at the public market.

*c. Implementation Problems and Proposed Solutions*

- Contractor problems are hampering the construction of Tacurong’s slaughterhouse and its WWTF. The contractor was not able to complete the construction of the facility on September 30, 2006 for reasons like lack of supply of cement and other materials, and other commitments of the contractor.
- Design work in Kidapawan and Tanjay has been hindered by the inconsistent stand of the LCEs on their WWM project.
- Panglao LGU continues to show lack of interest and commitment to pursue WWM. The unfavorable relationship between the executive and the legislative bodies of the LGU is affecting adversely the pursuit of better waste management in the LGU.

*d. Objectives for Next Quarter*

- Advocate for budget allocation and the necessary permits for the construction of the Kidapawan WWTF.
- Sign MoA between General Santos City and BNS.
- Complete the design of the STF of the Daus low-cost housing project.
- Sign MoA with Danao City for WWM.
- Develop simple and replicable method for conducting broad sanitation and wastewater assessments.
- Conduct at least one regional sanitation and wastewater workshop.
- Seek agreement between DENR/EMB and DA/National Meat Inspection Service (NMIS) to develop standards for WWTF for slaughterhouses.

*e. Status toward Achieving Sustainability of Efforts*

The UEM and municipal investment team works closely with LGUs, provincial governments, the DENR, and other local organizations (e.g., colleges) and forms technical working groups on waste management. Eventually, these groups will institutionalize EcoGov efforts and ensure the continuation of interventions we promote. Our team also promotes ordinances and enforcement, hoping to make WWM a “norm” of behavior that is sustained.

## 2.6. Management and Administration

### *a. Expected Outputs for the Quarter*

Expected outputs in this sector for Quarter No. 9 were as follows.

**Table 7. Management and Administration Expected Outputs for the Quarter**

<b>Expected Outputs</b>	<b>Status</b>
Provide transition training for Mamet Magno as the Grant and LSP Manager based in Manila	Completed
Obtain approval of EcoGov 2 Year 3 Work Plan	Completed
Engage GoAd Sector Leader	Completed
Facilitate USAID approval of LSP SOWs under IQS	Ongoing
Review and monitor grant proposals and grant implementation	Continuing
Facilitate transition of Project Management and Administration from D. Rothberg to COP, Admin/Finance Managers, and Office Managers	Completed
Start the process of recruiting APs, UEM specialist, and replacements for Mamet Magno (as Office Manager in General Santos City)	Completed

### *b. Summary of Accomplishments and Activities*

#### **Project Management**

- Obtained USAID approval for the Project's Year 3 Work Plan.
- Obtained USAID approval of Mr. Jose Angeles, the new GoAd Sector.
- Dan Rothberg transitioned from Deputy Chief of Party for Management and Administration based in Manila to Home Office Project Manager based in the United States. This transition included handing over certain responsibilities to the CoP, Administrative and Finance Managers, Grant/LSP Administrator, Office Managers, and Regional Accountants.
- Promoted Ms. Mamet Magno, Southern and Central Mindanao Office Manager, as the Grants and LSP Administrator effective second week of January 2007.
- In October 2006, the project supported the participation of Governor Miguel Dominguez and RED Clarence Baguilat in Vietnam on how effective forest management can address poverty in the uplands.

#### **Project Expenditures**

- After nine quarters of project execution out of a total planned twenty quarter life of the project, 45 percent of the performance period has elapsed and the project has expended 43 percent of total funds. Accordingly, both in terms of performance cost

and schedule the project is on track. On an individual CLIN basis, we have slightly underspent some elements (e.g., governance, municipal finance) and slightly overspent others (e.g., UEM) as compared to the approved project budget of November, 2004. This reflects opportunistic redirection of funds to the components with the greatest needs or nearest term opportunities.

### **Small Grants Program**

- As of December 31, DAI received a total of 88 grant applications. Thirty-two grant applications are currently being reviewed while 39 have been rejected.
- \$135,549 has been awarded as grant to 17 organizations. Of the total amount, \$40 thousand went to UEM-related activities, \$43 thousand to FFM, \$49 thousand to CRM, and \$4 thousand to IEC/Advocacy.
- Seven of the grants awarded were in Mindanao, four in the Visayas and six in Luzon.
- One grantee (LIFE Philippines Foundation, Inc.) has completed its activities. One is nearing completion (ISFI), two have been extended (ASCOT and FRIENDS) and four will be issued modifications to extend their end dates (CCEF, Quirino State College, BUKID-MPC, and Maddela Institute of Technology).

**Table 8. Summary of Grants Awarded as of December 31, 2006 (in US \$ 000)**

<b>Sector/Grantees</b>	<b>Southern and Central Mindanao</b>	<b>Western Mindanao</b>	<b>Visayas</b>	<b>Luzon</b>	<b>Total</b>
<b>FFM</b>					<b>43,116</b>
Baguio Village Inter-Cultural Association, Inc.				3,986	
Barangay Unity Key to Integrated Development Multipurpose Cooperative			9,517		
Friends of the Environment for Development and Sustainability, Inc.				9,674	
Ilomavis-Balabag Ancestral Domain Claim (IBASMADC)	6,152				
Institute for Small Farms and Industries (ISFI)	9,422				
Quirino Tribal Farmers Multipurpose Cooperative				4,365	
<b>UEM</b>					<b>39,791</b>
Gawad Kalinga		9,990			
Maddela Institute of Technology				9,810	
Soil and Water Conservation Foundation, Inc.			10,000		
Quirino State College				9,991	
<b>CRM</b>					<b>48,911</b>
Association of Fisherfolk of Davao City, Inc.	9,686				
Aurora State College of Technology (ASCOT)				9,413	

<b>Sector/Grantees</b>	<b>Southern and Central Mindanao</b>	<b>Western Mindanao</b>	<b>Visayas</b>	<b>Luzon</b>	<b>Total</b>
Coastal Conservation and Education Foundation, Inc. (CCEF)			9,988		
Pangalaran Environment and Livelihood Association, Inc. (PELA)		9,825			
Save Davao Gulf Foundation, Inc.	9,999				
<b>IEC/Advocacy</b>					<b>3,731</b>
LIFE Philippines Foundation (Bohol), Inc.			1,736		
Notre Dame of Kidapawan College	1,995				
<b>TOTAL</b>	<b>37,254</b>	<b>19,815</b>	<b>31,241</b>	<b>47,239</b>	<b>135,549</b>

### **Indefinite Quantity Subcontract – Local Service Providers**

- DAI awarded Indefinite Quantity Sub-Contracts to 12 local service providers. The subcontracts use time and materials task orders. Pricing is based on negotiated indirect rates and fixed burdened daily rates. The value per subcontract does not exceed \$100,000, although most have values significantly less than that amount.
- Eight Scopes of Work have been submitted for review. Three have been approved by USAID, one of which has been awarded to a local service provider. Two of the USAID-approved Scopes of Work are still under negotiations with local service providers.

### **Collaboration with other Donors, Projects, and Efforts**

- Collaborated with FAO, IIRR, NGOs, and FMB in organizing the national workshop for updating the CBFM Strategy and Action Plan.
- Collaborated with SCOTIA and GTZ in addressing emerging waste water sanitation issues in Panglao Island.
- Met with JICA officials and agreed to complement technical assistance work for Davao City's solid waste management program.

#### ***c. Implementation Problems and Proposed Resolution***

- The sudden death of Dr. Nicolas Uriarte, Mindanao Forestry Advisor, left a need to be immediately addressed as DENR/ARMM and five LGUs continue to be highly interested in implementing the RSFMA in ARMM. The project will start recruiting for replacement for Dr. Uriarte.
- The uncertainty that results from the upcoming national election in May 2007 has started to affect technical assistance activities in Manila and in the regions. The team

will continue to accelerate activities on or before the end of March 2007 before the two-month period of lull (May and June 2007).

*d. Objectives for the Next Quarter*

- Continue reviewing grant proposals, monitor implementation of grantees, and following-up proposals that are in different stages of processing and revision.
- Release 2007 Annual Program Statement (APS) after consultation with Manila and field-based DENR partners.
- Advertise the availability of the APS as a call for grant applications through national and local newspapers, presentations by EcoGov team members to DENR partners in the field, use of DENR website, and other parts of the DENR personnel network.
- With USAID approved SOWs and contracts, make IQS LSP awards to approximately seven task orders.
- Follow-up implementation of SO4 recommendations and agreements with DENR, USAID, and partners.
- Start the process of recruiting UEM Sector Leader and engage UEM regional specialist in SM and CM and various assisting professionals (UEM, GoAd) in Central Visayas and Southern and Central Mindanao.
- Engage a Senior Forestry Advisor for ARMM and Region 11 (replacement for Dr. Nick Uriarte).
- Engage expatriate STTA for UEM and wastewater management.
- Finalize scope of work for The Media Network, U.S.-based social marketing firm, for social marketing work in Davao City and General Santos City.