

Staff Profiles

Moonyeen Alava, DED

New Staff

Welcome to all new CCE staff and volunteers!

Moonyeen Nida R. Alava is the new Deputy Executive Director of the CCE Foundation. She obtained her Masters in Biology (major in Marine Biology) and Bachelor of Science in Biology at Silliman University in Dumaguete City. Moonyeen heads the Finance and Human Resource Units of the Foundation.

Rey G. Bendijo is the new Assistant Project Coordinator and Coastal Resource Management (CRM) Institutional Planning Specialist for the Local Governance for Coastal Management Project (LGCMP) in the provinces of Cebu and Siquijor. He has a Masters in Public Management from the Central Visayas Polytechnic College (now the Negros Oriental State University or NORSU), a Bachelor of Laws at Foundation University, and a Bachelor of Science in Nursing at Silliman University.

Emerlinda Socorro "Jinki" C. Macalintal is the new Project Officer for the Marine Protected Area (MPA) Project in the municipalities of Mabini and Tingloy, in the province of Batangas. She is a licensed Social Worker and earned her degree, Bachelor of Science in Social Work (minor in Community Development), at the University of the Philippines – Diliman.

Maria Solita "Sol" J. Virtudazo is the new Project Coordinator for the Integrated Population and Coastal Resource Management (I-POPCORM) Project in the Province of Cebu. She received her Master's degree in Gender and Development Studies from the Asian Institute of Technology (AIT) in Thailand, with a full scholarship from the Royal Netherlands Government, and a Bachelor's

degree in Development Communication (major in Journalism) from the Leyte State University (LSU) (formerly the Visayas State College of Agriculture) in Baybay, Leyte, with Cum Laude honors.

Staff re-assignments:

Ciemon Frank V. Caballes, formerly the Data Encoder for the Economic Valuation Study of the Bohol Marine Triangle (BMT) Project, is now assigned as Logistical Assistant to the Ecosystem-Based Fisheries Management (EBFM) Project.

Erwin Rommel Z. Dolumbal, temporarily assigned as the Project Coordinator for the Integrated Population and Coastal Resource Management (I-POPCORM) Project in Siquijor, is now back with the Marine Protected Area (MPA) Project as the Area Coordinator in the provinces of Negros Oriental and Cebu.

Esperanza Fe "Bing" P. Tabara, formerly the Research and Field Data Survey Assistant for the Economic Valuation Study of the Bohol Marine Triangle (BMT) Project, is now assigned as Research Assistant in the Ecosystem-Based Fisheries Management (EBFM) Project.

Volunteers/Interns:

A warm welcome to our new Social Work student interns: **Reeza Lyn C. Gonzaga** of St. Theresa's College for the LGCMP Project in Cebu City; **Jennylyn P. Anero** and **Mary Grace D. Bemil** of Southwestern University for the IPOP-CORM Project in Mactan.

To date, CCE Foundation has 29 full time staff, 5 part-time staff and consultants, 7 volunteer staff, 5 sub-contracted staff and consultants and 3 interns. We would like to invite driven, talented and self-motivated individuals to join the CCE Foundation's Volunteer Program. Interested parties may submit their applications to the HR Unit Manager at ccef@mozcom.com.

CCE Foundation Tidbits

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"Promoting leadership for improved coastal resource management"

The Coastal Conservation and Education Foundation, Inc. (formerly Sulu Fund) was founded in 1998 to support marine conservation in the Philippines. The first name was taken from the Philippines' southern Sulu Sea known for its extremely high marine biodiversity unequalled in the world. The new name, Coastal Conservation and Education Foundation, is more functional and reflects the organization's goals. The CCE Foundation is focused on protecting the marine environment. It tries to help conserve and manage coral reef ecosystems and other coastal resources while promoting sustainable uses for the benefit of people throughout time.



CCE

Foundation (formerly Sulu Fund)

January, 2005

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NEWSLETTER
(semi-annual)



EcoGovernance



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Project News

Water: Gift, Challenge, and Sustainability for Gilutongan Folk

Solita Virtudazo

This aptly describes the Gilutongan Water Supply Project initiated by CCEF and PATH Foundation Philippines, Inc. through its Integrated Population and Coastal Resource Management (IPOP-CORM) Project funded by the David and Lucile Packard Foundation. The water project was unveiled with simple blessing and launching rites on December 22, 2004 in Bantayan Port. Key LGU partners, namely, Cordova Mayor Arleigh Sitoy, Vice Mayor Danilo Sinugbahan, SB Secretary Paul Tagsip, Councilor Gregorio Jumao-as, Municipal Health Officer Dr. Christopher Calimbas, MAO Juliet Baguio and Gilutongan Barangay Captain Antonio Umpad, CCEF Board Secretary Evangeline White and Deputy Executive Director Moonyeen Alava graced the occasion and rendered thoughtful messages.

Water is life! Yet, fresh, potable water is scarcely available in an island-community like Gilutongan. People have to scrimp on water needs. Some even make do with seawater for bathing. Thus, the water supply project was truly a fitting gift for the Gilutongan folk this Christmas.

Gilutongan is one of 7 barangays covered by IPOP-CORM Project. While the Reproductive Health/Family Planning (RH/FP) and Coastal Resource Management

(CRM) components are being uniformly implemented in all 7 sites, it was only in Gilutongan where Primary Health Care (PHC) was integrated as an "experimental" add-on component from July-October 2004 to address the urgent health and nutrition needs of the community. The PHC-focused activities included the weekly Mother's Classes, feeding program, medical supplies and medicines for children 5 years and below, and water supply.

The Gilutongan Water Supply Project was conceived to provide the island residents with a steady, clean and affordable supply of potable water. This was made possible through the Community-Based Water Distributors (CBWD) commissioned by the Project to regularly supply and sell clean water at an established rate, fair to both the water sellers and the consumers. The newly installed water storage facility in Bantayan Port directly connected to MCWD



(L-R) (SB Chair on Environment G. Jumao-as, Mayor A. Sitoy, Vice Mayor D. Sinugbahan, V. White, Brgy. Captain A. Umpad and J. Requina).

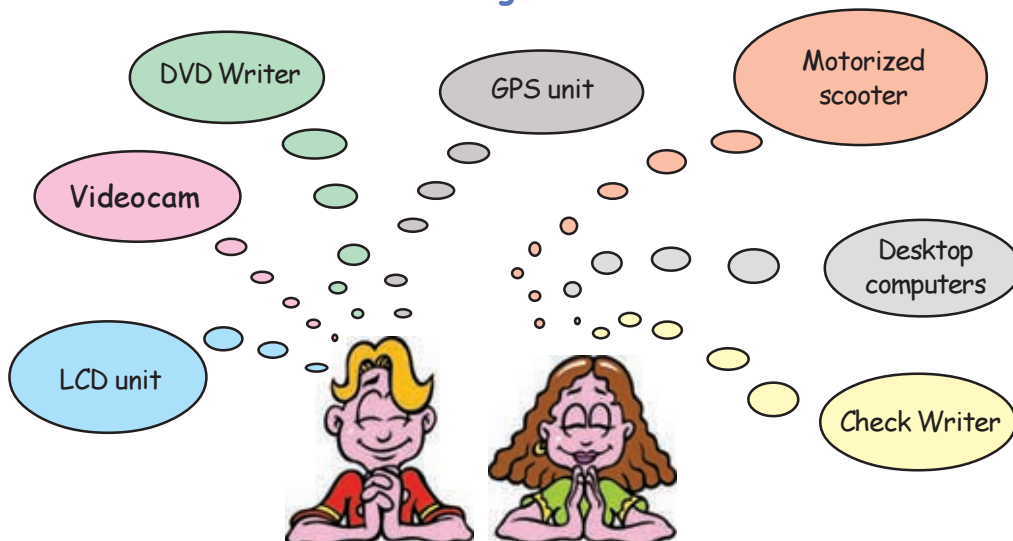
pipeline is now the CBWDs' source of potable water.

The CBWDs are composed of 5 project volunteers (who are also CBDs of FP supplies) and 2 representatives from the Barangay Council. Although operating independently, the Project Management Team oversees them under the guidance of CCE Foundation. They are obliged to submit periodic operation and financial reports to the CCEF management. This ensures constant check and balance between business soundness and social acceptability.

All remain hopeful that the project can usher them to the next 10 or 15 years. A purely charitable scheme of giving water for free isn't sustainable. CCEF wants to see people benefiting from the project in the long-run. It is now a challenge for the CBWDs and the rest of the Gilutongan residents to sustain the project through good management, for having no water to drink is a much higher and more painful price to pay. Let's keep the water flowing to our homes! ❀

CCE Foundation wish list!

Contribute something from our wishlist...



The Gilutongan CBWD Officials & CCEF staff ceremoniously fill a container with the newly available potable water!

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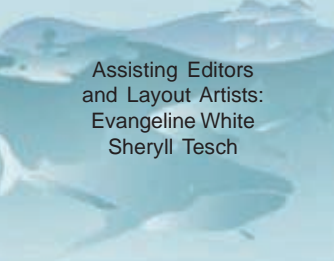
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Why protect our Coastal Resources?

Dr. Alan T. White

The year 2004 has brought many changes to CCEF through its various projects and additions of staff. The Foundation is maturing rapidly and embarking on ever more complex projects to address the realities of coastal management in the Philippines. This issue is very representative of all the kinds of activities undertaken by CCEF. Please read it and see what we are doing!

One theme I want to highlight here is the need to inform people about why we undertake coastal and marine conservation and what values are involved. By values, I mean what values humans ascribe to their environment and what they can derive from their environment. In a country with much poverty, economic values quickly grab attention. Although economic values do not adequately describe the full range of important functions of our coastal environment, economic values are a short cut for reminding people to what extent they depend on healthy coastal ecosystems for their livelihoods, income and food as well as their spiritual well being.

To highlight the economic values of coastal resources, Dr. Giselle Samonte-Tan, a consultant to CCEF supported by the Foundation for the Philippine Environment—Global Environment Facility Project, has completed an excellent report titled: **Coastal and Marine Biodiversity Resource Economic Valuation Study in Bohol Marine Triangle Project Area**. Now available, this report shows us the very large economic revenues received from our coastal resources and what we lose if we don't protect and manage coastal and marine habitats, ecosystems and fisheries.

Dr. Tan points out that “the value of coastal and marine ecosystems in meeting basic needs and improving the welfare of coastal residents is huge.” The annual benefits of the coastal and marine resources of the Bohol Marine Triangle (BMT) that covers 1,120 km² and includes about 3,500 hectares of reef and seagrass systems and 250 hectares of mangroves, is 182 million pesos (\$3.3 million). Tourism and the municipal fisheries are the most important direct use values of the area resources accounting for 44% and 38% of the total economic value. Annual revenue attributed to ecosystems are: coral reefs, PhP 68.1 million; beach/intertidal area,

PhP 60.6 million; marine waters, PhP 34.9 million; mangrove, PhP 12.9 million; and seagrass, PhP 5.7 million. The large market values indicate the dependence of the local community on the BMT coastal and marine resources. In the same way, non-market values show the important life-support functions of these ecosystems.



Beautiful intact branching coral in the BMT area.

The large economic revenue derived from BMT resources reflects the magnitude of potential losses due to improper management of such resources. This brings us to the main policy implication of this study—that investment in management and conservation is far from adequate. The 3 municipalities that have jurisdiction over the BMT area only invest 1% of their annual budgets in coastal resource management! This is far too little to sustain these resources. And as the resources are lost to overexploitation and damage from various uses, there is no replacement for this basic source of income and food for most coastal residents. Need I say more? 🐠

Board Members and Affiliations

- President**
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- CRM Advisor**
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(Assist. Professor, School of Marine Affairs, U. of Washington)
- Visayas Advisor**
Mrs. Rebecca Pestano Smith
(IEC Advisor, FISH Project)

Features

CCEF-initiated MPA ticket system alive and well in Dauin, Negros Oriental

Erwin Rommel Z. Dolumbal

The municipality of Dauin, Negros Oriental has for, almost a year, been implementing a systematic user fee collection system for regulated activities within the MPAs on the mainland coast. The system is the result of numerous fora and workshops facilitated by the CCEF-MPA project in coordination with the mayor's office, the CRM officer, ENRD, resorts and dive operators, and the Fishermen's Associations. Taking almost a year from initial conceptualization to the actual field implementation, the MPA user fee ticketing system is a hallmark of participation of all stakeholders to the coastal resources of Dauin.



Dauin MPAs, such as Poblacion, Dist. I, implement the ticketing system. Above is the guardhouse and patrol boat of the Poblacion, Dist. I Marine Sanctuary.

Activity	Ticket cost (Php)	Tickets sold		Income	
		Jan-Jun 2004	Jun-Nov 2004	Jan-Jun 2004	Jun-Nov 2004
SCUBA diving	50.00	1,969	1,564	98,450	78,200
SCUBA diving with still camera	200.00	199	45	39,800	9,000
Snorkeling	20.00	278	145	5,560	2,900
Total		2,446	1,754	143,810	90,100

The table shows the total gross income of Dauin Marine Sanctuary's user-fee system in 2004.

“Was the whole exercise worth it?” One might ask considering the amount of time spent developing such a system. Well, one could confidently say that it was worth every meeting spent arguing over details, every sleepless night spent designing the ticket, and every hour spent haggling with printers for the best bargain. But overall, the development

and implementation of the user fee ticket system has taught us the value of stakeholder participation and the need to be creative in finding sustainable funding for CRM initiatives especially in a country where the government is fraught with budget deficits and conservation is not the highest priority.

The latest figures on MPA ticket sales from the Municipal Treasurer's Office (MTO) show that there was a drop in the ticket sales in the latter part of 2004. This can be attributed to the fact that the second monitoring period fell within the “lean season” of tourism. The data also shows that SCUBA diving is the top tourism activity in MPAs. To date, only the municipality of Dauin is implementing this system although other municipalities have indicated the desire to follow suit as a result of their study visit to Dauin. 🐠

Coastal Zone Asia-Pacific, 2004

Pablo Rojas

The Foundation was given another opportunity to share the organizations' theme in stewardship and management of coastal areas during a conference abroad. This was during the Coastal Zone Asia Pacific 2004 on September 5-9, in Queensland, Brisbane, Australia where Pablo “Jong” Rojas gave an oral presentation on Sumilon Reserve, Melody “Ming” Ovenden presented the MPA Project of CCEF, and Evelyn Deguit presented a paper for the FISH project on mainstreaming ICM in local government.

The paper entitled **“Community Participation: A Powerful Tool for Sustaining A Famous Marine Reserve in the Philippines: Sumilon Island, Cebu”** (P. Rojas and A. White) presented by Jong, provided significant lessons of the CRM evolution process in the Philippines through the core strategy of community organizing.

The paper focused on the challenge of unifying several isolated, marginal, and parallel efforts amongst stakeholders while connecting the Local Government Unit (LGU) and the grassroots in attaining sustainable MPA management.

The paper presented by Ming, **“Sustaining Marine Protected Areas Through Continued Monitoring and Evaluation: The Marine Protected Area Report Guide and Rating System”** (A. White, M. Ovenden and A. Meneses) offered the conference participants a valuable tool in rating the management of their MPAs by using the MPA Report Guide and availing of the MPA database.

Another paper **“Mainstreaming Integrated Coastal Management in Local Governance in the Philippines”** (A. White, E. Deguit, W. Jatulan, etc.) was also presented by Evelyn

of the FISH Project. This paper focused on the importance of tapping LGUs because of their jurisdiction over their municipal waters and coasts, and most importantly the programs, laws and budget that largely influence CRM implementation.

The CZAP, attended by international delegates, was divided into concurrent sessions of comprehensive themes according to CRM components. It was an excellent venue for the staff to present CCE Foundation's work with MPAs in terms of community organizing and MPA management, and to be able to gain and share insights with other scientists and MPA managers all over the world. With such conferences offering CCEF staff opportunities to share their experiences in CRM, the foundation is well on its way towards a productive and rewarding future! 🐠

Researchers Hold Workshop to Determine the Benefits and Feasibility of EBFM in Region 7

Ciemon Caballes

CCE Foundation hosted a gathering of researchers at the Montebello Hotel from December 6-8, 2004 to discuss the benefits and feasibility of Ecosystem-Based Fisheries Management (EBFM) in the Central Philippines. This was a collaborative effort of individuals from various institutions and organizations – University of Washington-School of Marine Affairs (UW-SMA), Coastal Conservation and Education (CCE) Foundation, Inc., Fisheries Improved for Sustainable Harvest Project (FISH Project), University of Hawaii, University of Miami-Rosenstiel School of Marine and Atmospheric Science (UM-RSMAS), University of Rhode Island (URI), Silliman University (SU) and its Marine Laboratory (SUML), and ReefCheck-Marine Aquarium Council (MAC). As a *buena mano*, the principal investigators (PIs) were treated to a field trip to Gilutongan Island marine sanctuary, a local MPA assisted by CCE Foundation in the Municipality of Cordova.

The Principal Investigators (PIs) met on December 6 to come up with a working definition of EBFM, to discuss legal and institutional conditions in the Philippines that influence EBFM, ecological and oceanographic conditions influencing fisheries, and to identify the barriers to EBFM in the Philippines. It was followed by presentations on the status of Region 7 fisheries, and ongoing EBFM efforts by the

FISH Project and CCE Foundation. EBFM was further explored with presentations on conventional fisheries management in the Philippines and Alaska's experience with EBFM. The meeting ended with a thorough discussion on the central features of, and available tools for EBFM.

A consultation workshop with a diverse group of resource persons representing the LGUs, NGOs, and government agencies was held on the second day, facilitated by Ms. Evelyn Deguit of the FISH Project. A brief background of the study was presented by Dr. Patrick Christie followed by presentations on the status of fisheries in Region 7 and on the EBFM efforts of CCE Foundation and FISH Project. The workshop was highlighted by a scenario analysis of 3 sites: Danajon Bank, Camotes Sea, and Southeast Cebu.

Overall, the PIs comprehensively defined the research project, where they used the workshop as a venue to brainstorm possible research questions to be answered, and to identify the key sites, future collaborators, and the methods to be employed. A concrete proposal of a study to determine the benefits of EBFM in the Central Philippines will be submitted to the David and Lucile Packard this year as a product of this 3-day activity and months of developing a database of relevant literature.



EBFM P.I.s, (L-R): Dr. Alan White (President,CCEF); Dr. Richard Pollnac (Professor,URI); Stuart Green (Proj. Dir.,Reef Check-MAC); Patrick Christie (PI, Asst. Prof.,UW-SMA);Dr. Kem Lowry (Professor,U.of Hawaii);Atty. Rose-liza Eisma-Osorio (Exec. Dir.,CCEF);Dr. David Fluharty (Associate Prof.,UW-SMA);Dr. Liana Talaue- McManus (Associate Prof.,U. of Miami – RSMAS); Dr. Hilconida P. Calumpang (Director,SUML); & Enrique Oracion (Associate Prof.,SU).

CCEF Training Program Launched

Maretas Alenton

CCE Foundation envisions promoting leadership for improved coastal resource management in the Philippines through education, information exchange and learning by implementing field programs in partnership with local stakeholders. In light of this, CCEF has launched its Training Program that offers a variety of training programs addressing different needs encountered in CRM implementation.

With this Training Program, CCE Foundation aims to strategically orchestrate CRM interventions at different levels with various government and non-government institutions with proper and sustainable training to answer constituent needs. The Training Program aims to build human capacity to develop and increase the impacts of coastal conservation projects and programs undertaken by the Foundation.

CCE Foundation's training program is now launched to undertake the following tasks:

- Unify and standardize efforts in developing and implementing training programs;
- Write training project proposals to various donor institutions, as well as government and non-government organizations, and accept contracts as a coastal conservation training service provider;
- Assess training needs, determine appropriate training programs, design training curriculum or modules, organize and manage training programs, and evaluate training effectiveness and impact.

The Training Program currently offers the following training services:

- INTEGRATED COASTAL MANAGEMENT (ICM) TRAINING
- MARINE PROTECTED AREA TRAINING
- COASTAL LAW ENFORCEMENT (CLE) TRAINING
- FORESHORE MANAGEMENT TRAINING
- FISHERIES MANAGEMENT TRAINING
- STRATEGIC PLANNING FOR PEOPLE'S ORGANIZATION (PO)
- ORGANIZATIONAL CAPABILITY BUILDING
- YOUTH CAMP TRAINING in CRM and RH

MPA Project Continues in 2005!

Anna Meneses

The MPA Project has completed initial implementation, both locally and nationally, of the *Monitoring and Database System*. Together, with the help of its commendable partners in the government, academic institutions, and other non-government organizations from all over the country, implementation has been rewarding and successful.

As the MPA Project strives to sustain implementation activities, a new focus and new targets are being made to help improve effectiveness of coral reef and fishery resource management by applying lessons learned and by enhancing efforts to maximize the impacts and benefits of MPAs in the Philippines.

Additional support from the **National Oceanic and Atmospheric Administration (NOAA) Coral Reef Conservation Program** was recently granted to the Foundation to continue initiatives in the municipalities of



Dr. Alan White, Jinki Macalintal, Anna Meneses, Paeng Lopez and Danny Ocampo of the MPA Project team enjoy the beaches in Batangas, an important project site.

Dauin (Negros Oriental) and Moalboal (Cebu). This initiative will be implemented from November 2004 to March 2006. Its objectives include:

- to improve the management program of at least 7 or more MPAs through field interventions and the application of the MPA rating system;

to implement a comprehensive assessment at each site using the NOAA guidebook (*How is your MPA doing?*) by means of indicators from each of the biophysical, socio-economic and governance categories;

to conduct a reef impact study to determine the carrying capacity of the coral reefs in Dauin's and Moalboal's MPAs to create better informed management plans, and; to conduct environmental education and gender awareness in coastal resource conservation.

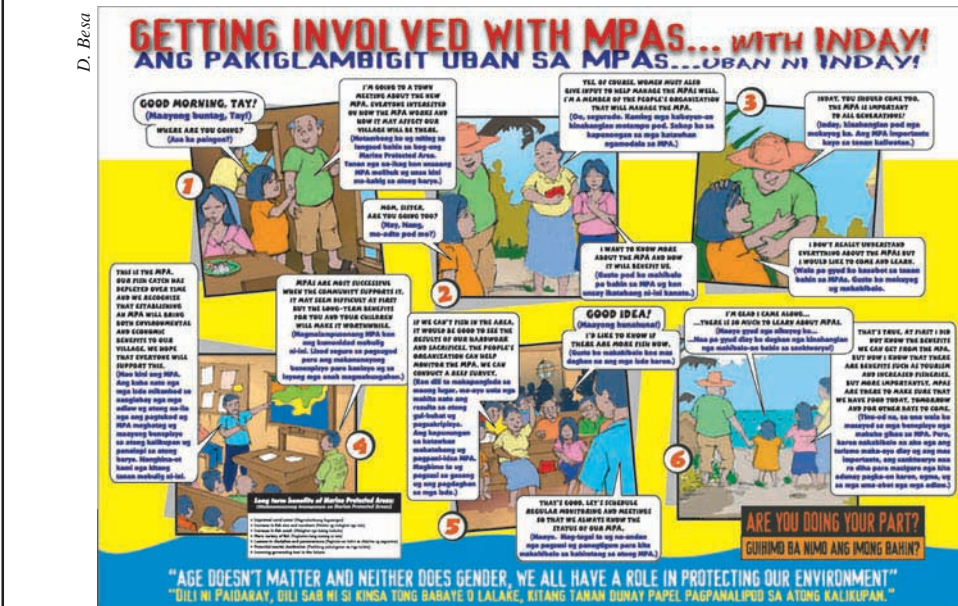
Additional funding support is currently being sought to sustain other aspects of the project such as: providing assistance in learning areas; management of the database; mainstreaming the monitoring system for management; supporting linkages and social networks; biophysical and socio-economic research, and; information dissemination.

Inday: Going Places

Dianne Go

efforts to inform the general public of the benefits and significance of marine protected areas (MPAs).

Inspired by the posters, the EMMPA group used Inday as the main character in the upcoming activity book for children. Inday will take readers on a journey of learning and fun as they read about MPAs. The activity book was designed for children for it is at a young



Inday posters (left) can be seen posted up in sari-sari stores in many CCEF project areas (above).

age when teaching them important lessons in conservation will allow them to develop as environmentally conscious citizens.

It has been a great adventure for the CCE Foundation and Inday. Inday, created and brought to life in the heart of the office, is not only teaching the communities of the foundations' project sites but will soon cross oceans to convey the important message of conservation to everyone, especially with the help of funding from the University of Rhode Island that will help produce the third Inday poster coming out early this year!

LGCMP: Expanding to New Project Sites

Rizaller Amolo

For over two years, the Local Governance for Coastal Management Project (LGCMP) of the CCE Foundation has been instrumental in initiating and implementing CRM activities in southeastern Cebu. The project has been assisting local government in providing coastal resource management as a basic service to their municipal constituents. Because of the good track record that LGCMP has demonstrated in the past two years, the David and Lucile Packard Foundation has renewed their funding to extend efforts of the LGCMP Project for three more years.

In the succeeding three years, LGCMP Project will expand from their 14 municipalities to 20 municipalities with new sites covering the southwestern part of Cebu. It will continue its efforts in catalyzing local governments to provide CRM to their constituents and harnessing the lessons learned in the initial phase of the project. It aims to assist LGUs in the following programs: institutionalizing CRM in LGU, foreshore management, coastal law enforcement, manage marine protected area and other coastal habitats and promote enterprise and alternative livelihood. These will be achieved through various trainings, research, dissemination of information, education and communication materials and community organizing.

The LGCMP Project has assisted municipalities in strengthening CRM-supportive institutions such as Fisheries and Aquatic Resource Management Councils, marine protected area management groups and municipal coastal law enforcement teams in the municipalities of Southeastern Cebu. Practices on CRM have been enhanced and maintained at the LGU level such as foreshore management, local legislation and fisheries management.

In the course of CRM implementation, the SE Cebu municipalities have found that joint efforts in addressing common issues as a cluster has proven to be more effective and efficient in terms of cost, effort and availability of resources. The rampant intrusion of commercial fishing within municipal waters, inconsistent policies between neighboring municipalities, unregulated municipal fishing effort are among the major issues that need cluster-wide and collaborative interventions. These issues have caused a significant decline in fish catch within their fishing areas and therefore a decline in

municipal fisheries production. Often, conflict has also arisen among municipal fishers and commercial fishers, as well as amongst municipal fishers between municipalities. These are issues that need to be addressed.

The six-municipality alliance in southern Cebu together with the Foundation, is geared towards ecosystem-based fisheries management. The goal of the partnership is to sustain CRM through integrated governance and ecosystem-based fisheries management on fisheries management. Five programs are identified as major areas of collaboration, which include: habitat management, enhancing fisheries

LGCMP launches South-East Cluster CRM Initiative Videos

Elline Cañares

On its sixth year of working towards marine conservation, the Coastal Conservation and Education Foundation, Inc. paid tribute to the municipalities in southeastern Cebu (Dalaguete, Alcoy, Boljoon, Oslob, Santander and Samboan) that initiated and implemented effective CRM programs in their localities. This tribute was through a video launching on December 10, 2004 at



Dr. Alan White, Mrs. Rebecca Smith and Mrs. Vangie White present Mayor Ronald Cesante with the CRM videos of the Municipality of Sibonga.

the Laguna Garden Café, Cebu City, that showcased all the municipalities and their CRM efforts and accomplishments in their journey towards sustainable development in CRM in their areas through the LGCMP Project.

resources, harvest and gear regulation, coastal law enforcement and strengthening policy and supporting institutions working towards similar goals. Currently, the municipalities are in the process of formalizing the alliance through a Memorandum of Agreement.

The LGCMP Project, along with other CCE Foundation programs, looks forwards to continuing its fruitful collaborating partnerships with local governments, people's organizations, national government agencies and other important stakeholders of the Philippine coastal environment through 2005! 🌿

The launching, **Local Governments in Coastal Management: Towards Sustaining CRM Initiatives** was an event attended by BFAR, DENR, PNP, PNP – MARIG and the Department of Agriculture, FISH Project, University of the Philippines, Cebu- CEIS, media namely Cebu Daily News, Style Assembly, The Freeman, Sunstar and GMA 7 and primarily the local officials and fish wardens from the municipalities of Sibonga, Argao, Dalaguete, Alcoy, Boljoon, Oslob, Santander, Samboan, Ginatilan, Malabuyoc, Alegria, Badian and Moalboal.

The launching of the CRM videos of the six municipalities was the main highlight of the activity. The videos were viewed and copies were distributed to the municipalities and collaborating agencies and academic institutions. Computer hardware and the Foreshore Management Database (developed by Prof. Anatacio Almocera of UP-CEIS, to organize the system in the issuance of foreshore application at the CENRO office) was also turned over to CENRO- Argao. A patrol boat, donated by the Coral Reef Alliance, was symbolically handed over to the southeastern Cebu municipalities for the enforcement of their municipal waters. The mayors of Dalaguete (Hon. Ronald Allan G. Cesante), Alcoy (Hon. Antonio Plando), Boljoon (Hon. Deogenes Derama) and Samboan (Hon. Peter Calderon) accepted the boat. Hon. Ronald Cesante, emphasized in his acceptance speech that their efforts in CRM aimed to improve the lives of the people and ensure a better future. 🌿

I-POPCORM Siquijor Initiative: Opening a New Frontier of CRM on the Island of Fire

Erwin Rommel Z. Dolumbal

Like most other island provinces in the Philippines, the coastal environment of Siquijor is vulnerable to the pressures and stresses that are induced by man. In light of this, the local government units (LGUs) of the six municipalities have acted together



Couples learn more about their reproductive health and sexuality during a CPE Training in Lazi, Aug.2004.

with NGAs and NGOs in trying to find solutions to the problems that beset the province's coastal zone. As a result of the local governments' eagerness to pursue the sustainable management of the island's coastal and marine environment, the province has been a valuable partner to

various CRM initiatives, the most noteworthy of which are the Central Visayas Regional Project (CVRP), and the CCEF-Administered Siquijor Coastal Resource Enhancement Project (SCORE).

Recently, another CRM project, the Integrated Population and Coastal Resource Management-Siquijor Initiative (IPOPCORM-Siquijor) was initiated in the municipalities of Larena and Lazi. Funded by PATH Foundation-Philippines Inc. and administered by CCEF, the IPOPCORM-Siquijor helps to sustain the CRM gains achieved by the previous projects while breaking new ground of its own.

IPOPCORM project delves into the human dimension of CRM, such as population. It is widely accepted that the effect of human population growth on the status of the marine environment is directly proportional to consumption and damage of resources. It has been projected that if the present rate of

population growth in the coastal zone is not lowered to sustainable levels, the management gains that are in place will be negated. The main focus of the I-POPCORM project is to help coastal communities to better understand the effect of a large population on the available resources, what they can do to help avert this, and provide them with tried, tested, and safe options for family-planning (FP) and reproductive health (RH) for them to practice responsible parenthood and sexuality.

Relying greatly on collective action and community involvement, dedicated project staff of CCEF's IPOPCORM Initiative in Larena and Lazi, Siquijor have trained Couple Peer Educators (CPEs), Youth Peer Educators (YPEs), and Community-Based Distributors (CBDs) to help educate people in the coastal areas about FP and RH as well as provide a wide range of contraceptive options to FP acceptors. The staff has been working closely with the LGUs through their Rural Health Units and officials for the long-term sustainability of the project. 🌿

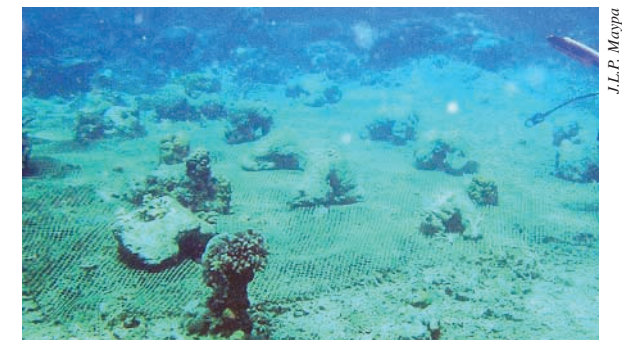
Coral Rehabilitation Project

Aileen P. Maypa and Laurie J.H. Raymundo

Philippine coral reefs are among the most diverse and disturbed in the world, at risk from various forms of human impact. At present, only 4.3% of the country's reefs contain at least 75% coral cover; most reefs average 32% coral cover. While protection of remaining high-quality reefs is one solution, a growing body of evidence suggests this may not be enough. One reason for the lack of recovery of a reef after protection is implemented is that many protected areas are often stressed or degraded prior to protection. Multiple factors such as recruitment limitation, loss of herbivores, high nutrient levels, unsuitable substrate, or severe bleaching, may cause

a shift in community structure and a loss of coral cover and the associated fish community. An added concern is the willingness of a fishing community to maintain protection of a Marine Protected Area (MPA) without visible improvements in reef quality or fish catch. As a response to the lack of recovery of degraded reefs within MPAs, the Coral Reef Rehabilitation Project was conceptualized and implemented by Silliman University Marine Laboratory (PI: Dr. Laurie Raymundo), in collaboration with CCE Foundation, Environment and Natural Resource Division (ENRD, Neg. Or.), Department of Agriculture (C-FARMC, Dumaguete City), Banilad *Bantay Dagat* (Dumaguete City) and Calag-calag Bakhawan Fishers Association (Ayungon, Neg. Or.).

The major goal of this project is to develop a reef rehabilitation protocol that can be applied to reefs in the central Philippines with minimum cost and maintenance. Two study sites in



Reef rehabilitation plot in Calag-calag MPA consisting of mat anchored on rubble field, fish habitats & transplanted corals.



An SUML diver weeding macroalgae in Banilad MPA.

Negros Oriental were selected where the first year's rehabilitation treatment were applied. Two mitigation approaches are used: stabilization of a coral rubble field in the Calag-calag MPA, Ayungon and algal weeding in the Banilad MPA, Dumaguete City. Continued application of treatments and monitoring the effects of treatments on the coral recovery via recruitment and transplantation and changes in fish biomass and diversity are in progress with researchers working hand-in-hand with the community. This project is supported by the Conservation, Food and Health Foundation, U.S.A. 🌿