

Annual Report 2016



CCEF

Sustainable coasts,
involved communities.

EXECUTIVE SUMMARY

The year 2016 marked the success for several projects under CCEF. GIZ-PAME, a program started in 2014, recently reached its completion, benefiting coastal barangays in the province of Siquijor. Steadfast support from UNICO Conservation Foundation has contributed to the commencement of the "Ecosystems Monitoring and Evaluation Project in Selected Sites in Siquijor and Cebu Provinces". Data gathered from this program will be used towards advocating conservation and rehabilitation of these areas. The 2016 Saving Philippine Reefs Expedition (SPR) was participated by volunteers from the United Kingdom, United States, Australia and the Philippines. The Calamianes Group of Islands, comprised by the municipalities of Coron, Culion and Busuanga in the province of Palawan, were visited by the group. Despite being struck by typhoons, the coral reefs in these areas continue to be in good condition.

Special projects were launched including a coastal clean-up activity in partnership with Fluor Daniel Inc. - Philippines and a mangrove rehabilitation monitoring event together with Globe Telecom.

CCEF has renewed its membership to Kaabag sa Sugbo, Central Visayas Network and has attained vice-chairmanship in the Commission on Institutional Capacity Building (CICB) of CoDe-NGO (Caucus of Development NGO of the Philippines).

In its efforts to capacitate constituents and stakeholders and improve database systems, CCEF continues to work towards the conservation of marine environments with the help of local government and communities. There is much to look forward to in the coming year as the organization heads for strengthening relationships for a resilient future.



PRESIDENTIAL NOTE

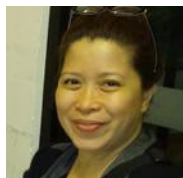
I am very pleased to write a short note for the CCEF Annual Report. It is hard to believe that it is already 18 years since the Philippines celebrated and supported the International Year of the Reef in 1997 when CCEF was conceptualized. Every year since, CCEF has tirelessly championed coral reef conservation for the benefit of coastal communities and enhanced our Philippine seas in numerous ways.

Now in 2017, the reasons for CCEF's existence are ever more important due to the increasing demand for fisheries of all kinds, our dependence on coastal habitats including coral reefs, and many other reasons why a clean and life supporting coastal and marine environment is essential to life on earth. This is especially true in the Philippines where coastal and marine resources play major roles in the local and national economies and in human well-being and livelihood.

Now as the dramatic effects of climate change become more evident in our coastal areas, CCEF is in the forefront of addressing these impacts in the southern Philippines through its innovative rehabilitation projects on Siquijor Island. And, CCEF's "Saving Philippine Reefs" annual expedition continues to augment the data and awareness about the plight of reefs and the solutions for management in strategic locations around the country.

Finally, the most valuable resource in the Foundation is the group of dedicated and hard-working individuals who comprise CCEF to make the difference they do in protecting and sustaining the benefits coastal resources provide to people in the Philippines. As you can see in this report, 2016 was a very productive year for the foundation and I encourage all to read about, and support CCEF in appropriate ways.

ALAN WHITE, President



MESSAGE FROM THE ED

Dear friends, supporters and lovers of the marine environment,

Once again I present to you with pride CCEF's Annual Report for 2016. The year marked CCEF's 18 years of service toward attaining "sustainable coasts and involved communities" for the Philippines! We celebrated this by strengthening our relationships with local governments and coastal communities in facilitating the protection of resilient reefs that survived typhoons and earthquakes in years past in the province of Siquijor (at least 2 new ones established and 1 expanded!), monitoring of reef rehabilitation sites in both Siquijor and Apo islands, the biophysical monitoring of MPAs in the Calamianes group of islands in Palawan leading to recommendations for improved management, and promoting mangroves and beach forest conservation and coastal clean-up in Liloan (Cebu), and supporting DRR by advocating for coastal habitat conservation, integrity and resiliency.

All of these were made possible with the support of project partners, particularly UNICO Conservation Foundation-Australia, GIZ- Philippines PAME Project, FPE/SU-IEMS/DENR-AIPLS Coral Reef Recovery in Typhoon Damaged Reefs Project, Saving Philippine Reefs with Eco-FISH, Globe Telecom and Fluor Daniel - Philippines and various donors.

We are also gaining ground as an institution championing for marine threatened species conservation (let's talk sharks and rays - and turtles in between!) in various forums in partnership with DENR-BMB, DA-BFAR and NFRDI, paving the way for more species/fisheries interaction work in the coming years!

Thank you all for your support and trust in CCEF! I am inviting you all once again to join me in supporting CCEF for a more productive year ahead!

MOON ALAVA, Executive Director

Table of Contents

- 2** Executive Summary
- 2** Presidential Note
- 2** Message from the ED
- 3** Saving Philippine Reefs: Calamianes, Palawan
- 4** Protecting two resilient reefs through community-managed MPAs in Siquijor
- 5** Binoongan MPA: Self-sufficiency through sustainable ecotourism
- 5** Jacks find new homes in Apo Island Protected Landscape and Seascape (AIPLS)
- 6** A glimpse at coral stabilization in typhoon-damaged reefs in Siquijor Province
- 7** Coastal Forest Conservation
- 8** CCEF at a Glance
- 10** Liloan IEC
- 10** Bioshield Concept
- 11** Mangrove Maintenance
- 11** ICC Fluor
- 11** Resilient Ecosystems
- 12** Silkie, Threshers, Devils & Nautilus Are Now In CITES!
- 12** Environmental Stewards
- 13** CCEF Updates
- 13** Publications
- 13** Networks
- 14** Financial Report
- 14** Acknowledgements
- 15** Board of Trustees
- 15** CCEF 2016 Team



Saving Philippine Reefs Expedition: Calamianes Islands, Palawan

The 2016 SPR Team



The Saving Philippine Reefs (SPR) Expeditions were started in the 1980s by Dr. Alan White and Vangie White, and their colleagues. These research trips have been vital in collecting essential information on coral reef and fish health in marine protected areas around the Philippines. Provinces in the Philippines that have been covered by the SPR expeditions are Palawan, Batangas, Bohol, Cebu, Negros Oriental, and Camiguin.

This time, the expedition team, which was composed of a diverse but select group of volunteers from the US, Australia, UK and the Philippines, revisited the diverse and abundant reefs of Calamianes Islands in the municipalities of Coron, Culion, and Busuanga in the province of Palawan in April 17 to 25, 2016. The team reassessed the reef status after ten years, and to determine how the coral reefs were faring with increasing conservation efforts and in light of Typhoon Haiyan (also known as Super Typhoon Yolanda), which hit the area in 2013. The expedition was done in coordination with the Ecosystems Improved For Sustainable Fisheries (ECOFISH) Project Palawan staff, the local government units in the islands, particularly Coron and Busuanga, and the various MPA management bodies.

The MPAs in Calamianes Islands were mostly established several years prior to 2006 and over the past ten years, they have sustained and protected the coral reef resources within the MPAs. Despite being affected by typhoons, the coral reefs in the area are in good condition. But the same cannot be said about fish resources in all of the sites, some of which show declining fish density. Target fish species densities in the area have generally not improved since 2006. This indicates overfishing and that several MPAs were not well protected. Thus it was recommended that additional Marine Protected Areas should be established, enforcement issues should be identified and addressed, regular fish catch monitoring should be conducted in order to assess the fish stock status in these areas, sites that may need coral rehabilitation should be assessed, the diverse macro-invertebrate resources in the area should be noted to help promote the protection of the coral reef ecosystem, and awareness on MPA protection should be increased. -*Camillia Bollozos*



AJ Lozada



Julia Cichowski



Mark Hillebrand



Denise Illing



Alan White



Sheree Marris



Jonathan Apurado



Ae Sabonsolin



Al Pennycook



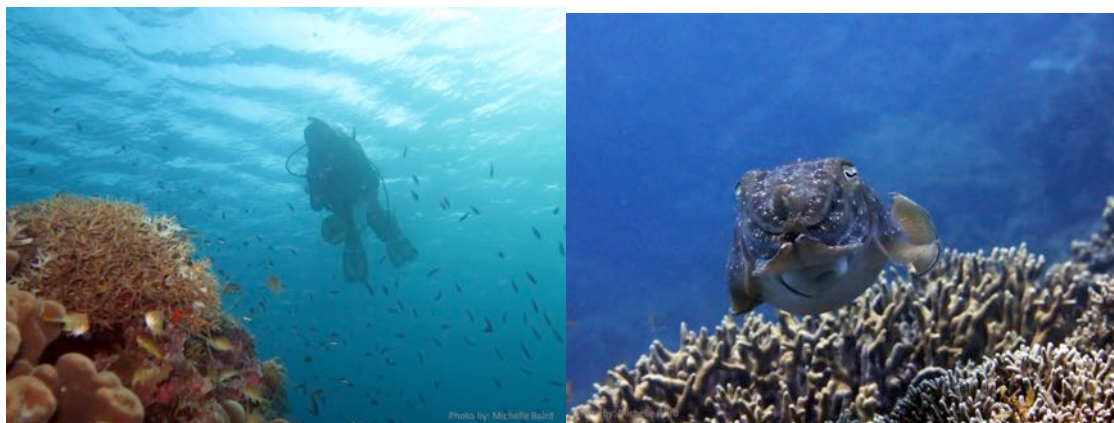
Vittoria Thornley



Flora Neri

Protecting two resilient reefs through community-managed MPAs in Siquijor

In response to habitat degradation in Siquijor Province brought by climate change and anthropogenic activities, two resilient reefs were established as marine sanctuaries. These sanctuaries, which total to 15.43 hectares, cover the coral reefs and seagrass ecosystem of two coastal Barangays of San Juan and Lazi. These MPAs are managed by the barangay in partnership with the people's organization (POs) and assisted by the Province and their respective municipalities. This project is supported by GIZ, a German Cooperation Agency through the Protected Area Management Enhancement (PAME) Project and the UNICO Conservation Foundation (UCF) in Australia.



Underwater view of the two newly established MPA. Left: Takbal Bato MPA; Right: Catulayan MPA. Photos: M Baird



Consultation meeting with the barangay council of Barangay Catulayan. Photo: M. Baird

conducted to gauge the improvement in the management and sanctuaries. After more than a year of strict enforcement, fish densities have improved in Catulayan MPA, San Juan. The increasing populations of fish and invertebrates outside the sanctuaries is seen by the community as a result of protection and spillover.

Establishments of MPAs have been utilized worldwide as an effective management tool that promotes biodiversity conservation and productivity of marine resources. Local government and the stakeholders are the key to successful establishment and management. With the Biodiversity Protection and Management Enhancement of Resilient Reefs Project, CCEF continues to strengthen the local practitioners, stakeholders and the community for improving MPA management and sustaining resources. - Michelle Baird

For the last two years, CCEF capacitated these local management bodies on MPA management, enforcement and biophysical monitoring. Technical guidance in the development of the MPA management plan and implementation of the activities were also provided by the project. Baseline assessments and monitoring of the marine resources were



Coastal Law Enforcement Training for the future MPA guards. Top: actual patrolling activity. Bottom: GPS reading and mapping exercise. Photos: M Baird



Site visit of the barangay councils of Catulayan and Simacolong at Maite MPA, San Juan. Photo: M Baird

Binoongan MPA: Self-sufficiency through sustainable ecotourism



Binoongan Marine Sanctuary given recognition during the Isla del Fuego Award in 2016 as "Best Managed MPA". The award was received by the Municipal Agricultural Officer, Barangay Council and Fisheries Technician of the Municipality of Enrique Villanueva. Photo: M. Baird

Binoongan Marine Sanctuary is located in Barangay Binoongan in the Municipality of Enrique Villanueva, a 5th class municipality in Siquijor Province. The sanctuary covers three major marine ecosystems with an area of 13.64 hectares. The municipal and barangay officials, women's group and

volunteers worked together to ensure regular guarding, maintenance of the guardhouse, floating cottage and conducting clean-up activities. Because of these conservation efforts and the "bayanihan" spirit of the community, Binoongan MPA became an example for other MPAs as a learning site in the province of Siquijor.

Currently, CCEF is helping the management body develop their ecotourism packages as a strategy to achieve financial security and to create livelihood for the community. With the support from UNICO Foundation, selected members of the management body were already certified as divers and/or trained as dive guides.

Snorkeling and diving gears were donated to the management body to support their ecotourism activities. Moreover, promotional materials like signage were developed to increase local awareness. CCEF conducted community consultations to continue its assistance for possible livelihood training to the Binoongan Women Association (BWA) and management body. - Michelle Baird



Members of the Binoongan Women's Association prepare the materials to use for the maintenance of guardhouse. Photo: M. Baird

500 jacks find new homes in Apo Island Protected Landscape and Seascape (AIPLS)

To continue our efforts in coral and reef fish recovery in Apo Island Protected Landscape and Seascape, a monitoring was made by a team of Silliman University Institute of Environmental and Marine Sciences (SU-IEMS) – Coastal Conservation and Education Foundation (CCEF) and Department of Environment and Natural Resources - Apo Island Landscape and Protected Seascape (DENR-AIPLS) marine biologists in November 13 - 14, 2016. Using fish visual census, it was estimated that 500 big-eye trevallies or jacks (*Caranx sexfasciatus*), locally known as "baulo" were utilizing the fish habitats as part of their home range. To recall, 30 fish habitat modules were deployed in April and May 2016 as part of the reef fish recovery efforts of the SU-IEMS – FPE (Foundation for the Philippine Environment), "Coral Reef Recovery in Typhoon-Damaged Reefs Project."



Fish habitat modules designed and fabricated by Apo Island dive rangers and fisherfolks made of rocks and cement. Photo: A. Maypa



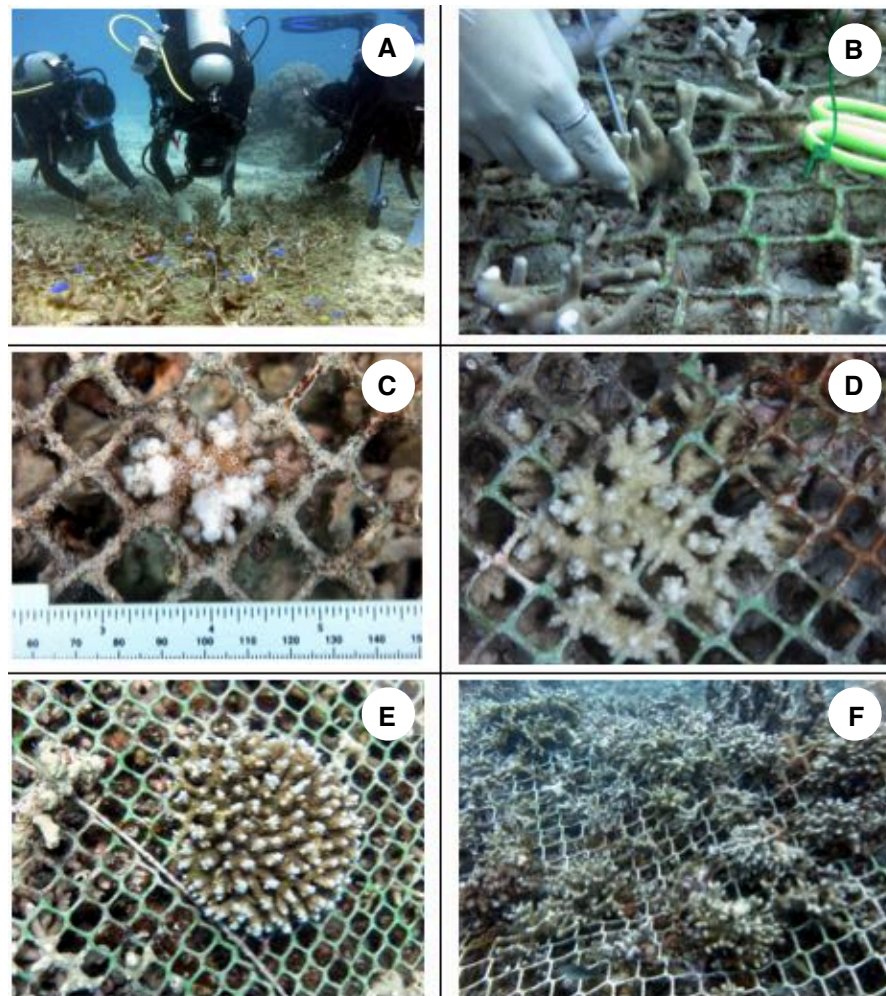
Big-eye trevallies in Apo Island Marine Sanctuary finding home in these fish habitats. Photo: A. Maypa

This project was implemented in response to the severe coral reef damage that resulted in Apo and Siquijor Islands after typhoons Sendong (2011) and Pablo (2012). It was documented that coral damage was more than 99% and reef fish densities and biomass declined five-fold based on a 2008 baseline. AIPLS – DENR, CCEF and UNICO Conservation Foundation (UCF) were also partners in this project. Currently, our coral reef recovery monitoring is being sustained and supported by DENR-AIPLS. -Aileen Maypa

A glimpse at coral stabilization in typhoon-damaged reefs in Siquijor Province

Coral reef rehabilitation comes with many tools and techniques depending on the type of protocol. One useful tool is coral transplantation. This involves the utilization of coral fragments from a donor colony which are then planted on to the rehabilitation site. In cases of typhoon – damaged reefs identified as appropriate sites for coral reef rehabilitation, the use of coral transplantation must be a carefully planned decision since this can involve breaking off coral fragments from a donor colony. It is very important then, to know, when to implement coral transplantation and when not to. The results of our coral reef recovery research and coral reef rehabilitation protocol development in typhoon damaged reefs enabled us to develop a criterion for the utilization of this tool. Further, when available on site, we only utilize and stabilize coral fragments already broken as a consequence of the typhoon.

One major objective in our coral reef rehabilitation is substrate consolidation. This is a prerequisite to coral reef recovery in our rehabilitation sites where the substrate is dominated by loose rubble. This substrate type is unfavorable for coral settlement and growth. Coral reef recovery can be very slow to none if no substrate consolidation takes place. We define consolidation as the process of stabilizing the loose rubble substrate by the regenerated coral tissue that acts as the cementing agent of the loose substrate and a stabilization mat, in the case of our protocol, called, “MPAplus.” This protocol was developed through research projects implemented by the Coastal Conservation and Education Foundation (CCEF), Silliman University – Institute of Environmental and Marine Sciences (SUIEMS) and Siquijor Province partnerships, supported by the UNICO Conservation Foundation in Australia, GIZ-ACCCoast and the Foundation for the Philippine Environment. At the right are some photos of coral stabilization and consolidation in our rehabilitation sites, in selected marine protected areas (MPAs) in Siquijor Province. Currently, we are on the final stages of finalizing a coral reef rehabilitation guidebook outlining the MPAplus protocol. -Aileen Maypa



Coral stabilization photos as part of our coral reef rehabilitation initiative in selected marine protected areas in Siquijor Province: (A-B) divers from CCEF and Siquijor Province stabilizing coral fragments left over from the typhoon on a stabilization mat, (C) a juvenile coral, *Pocillopora damicornis* growing on the stabilization mat, (D) beginnings of substrate consolidation from a stabilized fragment, (E) almost a year old coral colony on growing a stabilization mat and (F) healthy 2-year old stabilized coral fragments. Photos: A.P. Maypa

Threats to Mangroves



Pollution and siltation



Cutting or harvesting of mangroves



Unmanaged solid waste



Unregulated coastal development

Coastal Forest Conservation

A focus group discussion (FGD) was conducted in barangays Cotcot and Calero in Liloan, Cebu to determine the local communities' perception on mangroves. Both barangays understood the ecological importance of their mangroves and were concerned about the threats that their mangroves are facing such as unmanaged solid waste, pollution and siltation, harvesting of mangroves, and unregulated coastal development. The latter being a concern of the environmental office of the Municipality of Liloan which they expressed when CCEF presented the assessment results. CCEF also presented recommendations to further aid in their coastal forest conservation initiatives. One of these recommendations was to diversify the species they will use for their mangrove rehabilitation and follow the natural zonation of such species. This was already followed by the communities in charge of mangrove rehabilitation where they have included the *Avicennia marina* species in their mangrove nurseries, which is naturally abundant in their area.



Rhizophora seedlings in one of the households in Brgy. Calero.

CCEF continued their advocacy to spread awareness on the importance of protecting our coastal forests through community discussions and lectures as well as sharing of best practices and experiences on mangrove rehabilitation.

The status of Liloan's mangroves was presented as a poster entry at the National Seagrass-Mangrove Bioshield Conference in UPMSI, Quezon City on May 26-27, 2016, where participants shared best practices, case studies, and new findings regarding mangroves and seagrasses as key habitats that will counteract the effects of climate change.

The conservation awareness was also continued through a lecture series given to elementary students in Liloan wherein students were taught about the interconnectivity of coastal and marine habitats. -*Camillia Bollozos*



CCEF poster about the status of mangroves in Liloan, Cebu.



Data presentation at Liloan with Municipal Environment and Natural Resource Officer (MENRO), Municipal Agriculture Officer (MAO), and Barangay representatives.



Initial discussions with MAO of Liloan, Mr. Ireneo Noval.



CCEF staff and guests during a poster session at the National Seagrass-Mangrove Bioshield Conference.



Focus Group Discussion (FGD) in Brgy. Cotcot and Brgy. Calero, Liloan.



Consulted by Cebu Normal University mass communication students for their video documentation project (January 28, 2016)



CCEF's 18th Anniversary (January 21, 2016)



Presentations of Lilo-an, Cebu's initial mangrove scoping result and mangrove rehabilitation methods to it's MENRO, MAO and barangay officials (January 26, 2016)



Participated in CLEAR-7 strategic planning workshop (January 07, 2016)

2016 | January

February



Facilitated Cebu Normal University mass communication students to cover a video presentation on mangrove conservation at Cotcot, Liloan, Cebu (February 06, 2016).



Conducted FGDs with Brgy. Cotcot, & Calero Liloan on mangrove conservation and rehabilitation scoping (February 06, 2016).



Participated in CLEAR-7 meet at BFAR 7 (February 10, 2016).



CCEF invited in focus group discussion with Yokohama National University environmental science professors with DENR 7, DOT 7 and from UST Manila (February 22, 2016).



Participated in Foundation for Philippine Environment pool of experts gathering (March 02, 2016).



Exhibit at Fr. H. Schoenig Biological Symposium at University of San Carlos Talamban Campus (March 05, 2016).



Assisted Coral Reef Rehabilitation survey and coral planting in Siquijor MPAs (March 16-21, 2016).



As part of organizers in Siquijor Province MPA feedback and planning workshop including Isla del Fuego Awarding (March 22, 2016).

| March

April



As organizer of Saving Philippine Reefs expedition at Calamianes Group of Islands, Palawan (April 17-25, 2016).



Installation of Fish Habitats in Apo Island Marine Sanctuary together with the community, dive rangers, Phil Army and volunteer divers



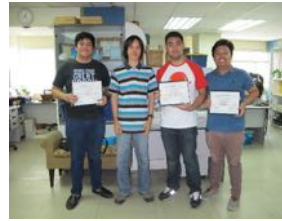
Isla del Fuego MPA Award where Binoongan MS awarded as best managed MPA in Siquijor Province



Participated in CLEAR-7 meet at BFAR Training Center Calape, Bohol (April 14, 2016).



GIZ Senior Chief Adviser conducted site monitoring for PAME project



Awarded internship completion certificates to Xavier University Information Technology students (May 26, 2016).

| May

June



In Fisherfolk Month celebration and installation of regional and provincial fisherfolk directors with CLEAR-7.



Biodiversity Training for the Provincial Monitoring Team



In Disaster Risk Reduction Management-Climate Change Adaptation training with PHILSSA and CODE NGO (May 16-19, 2016).



Month of the Ocean, CCEF supported the First Bigi Bugsay Race, a Bigi Regatta and Stand Up Paddle boarding Race at Moalboal May 18-19, 2016



National Seagrass-Mangrove Bioshield conference at UP-Diliman.



In ship grounding incident at Monad Shoal, Malapascua Island, Daan Bantayan, Cebu consultation with Cebu Province, NGOs, GOs, LGUs and Academe (June 30, 2016).

AT A GLANCE

Participation to the 5th National Conference for Environmental Science in Bongao, Tawi-Tawi



In ECOFISH and CLEAR-7 meet for coastal law enforcement updates (July 19, 2016).



In ship grounding consultation and coordination at USC Talamban with Cebu Province, DENR and USC researchers (July 07, 2016).



A talk about the Scarborough shoal by Dr. John McManus at the Cebu Provincial Capitol (September 7, 2016).



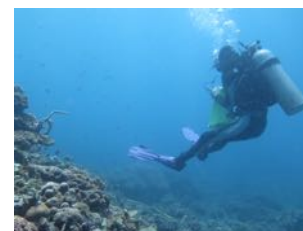
In consultation with Mandaue City Planning office on mangrove conservation and rehabilitation (September 21, 2016).



Caption: CCEF as member of the Philippine Delegation at the 6th CTI-CFF MPA REX in Dumaguete City, Philippines (September 6 – 16, 2016). Photo by: Ogie de los Reyes



In focus group discussion with inter-agency & inter-local cooperation on coastal law enforcement in Central Visayas by Oceana (September 29, 2016).



MPA monitoring in the newly established sanctuary



As one of Mandaue City's board of Local Special Bodies in CSO accreditation by DILG (Nov. 15, 2016).



CCEF joined the Save Sharks Network Philippines calling for the protection of sharks at the national level during the 2nd Shark Summit in Silliman University, Dumaguete City (Nov. 10-11, 2016). Photo by: Juan Miguel Bernal

July

August



In Binoongan MPA Enrique Villanueva, Siquijor Coral Reef Rehabilitation (Aug. 2-6, 2016).



At DEV Talks: A social development forum at the Cebu Grand Hotel (August 22-23, 2016).



CCEF office planning and team-building at Larena, Siquijor (August 5-6, 2016).

September

October



NGO/CSO briefing for the new PD of the PNP Eric Noble held at the Prince Plaza Hotel, Cebu. In attendance are CCEF, Oceana, SPS, Coast Guard Auxiliary, Sea Knights (October 17, 2016).



As resource persons in Fish Week celebration at Lilo-an's public elementary schools (October 18-20, 2016).



Celebrating the 53rd Fish Conservation Week at BFAR7 with the theme "Malinis at Masaganang Karagatan tungo sa Mas Masiglang Pangisdaan (October 16-21, 2016).



Mr. Berthold Schim, principal advisor of the PAME project paid a courtesy visit to Hon. Meiling Quezon, Vice Governor of Siquijor.

November

December

2016



In Mangrove for Climate-Adaptive and Resilient Communities Symposium at Waterfront, Lahug, Cebu City (December 19-20, 2016).



CCEF attends Biofin Marketplace Mentoring Workshop. (December 13-15, 2016)



CCEF's 2016 Christmas Party (December 15, 2016).



Dialogue in Extra-Judicial Killing in the context of Violence Against Women with Kaabag sa Sugbo, PMP and Cebu Provincial Police Office (December 10, 2016).

Coastal education for the young in Liloan



CCEF's workbooks for kids were given to five elementary schools in Liloan.

In order to effectively conserve the environment, it is important to understand how the whole system works. CCEF believes that education and spreading awareness of such concept would enlighten more people of how important their environment is to their survival. Hence encouraging them to protect and conserve their environment.



Students from Calero elementary school.

In October 2016, CCEF conducted a lecture series on conservation of coastal and marine ecosystems to five elementary schools in the Municipality of Liloan, namely Barangays Catarman, Calero, Jubay, Poblacion, and Suba. This was in celebration of the fisheries month celebrated by the Bureau of Fisheries and Aquatic Resources (BFAR).

The students were taught about the interconnectivity of the different ecosystems and how they can do their part to help conserve it. The students also shared their opinions and observations about their coasts and fish resources as well as their suggestions on how to better protect their coastal ecosystems. This was also an eye opening experience for CCEF where it taught us how crucial the youth are in our conservation advocacy. -*Camillia Bollozos*



Elementary students from Liloan listening intently about coastal conservation.

These kids from Suba elementary school are having fun learning about the coastal ecosystems.



Students from Jubay elementary school learn about coastal ecosystems.

Bioshield Concept

CCEF attended the conference on the National Seagrass-Mangrove Bioshield where local and current data on the efficacy of seagrass and mangroves in mitigating the impact of climate variability and biodiversity loss was consolidated to formulate a National Blue Carbon Strategy focused on conserving the "bioshield" functions of these "blue carbon ecosystems".



This blue carbon bioshield concept is one of the campaigns that CCEF is advocating. Blue carbon pertains to the carbon content that seagrasses and mangroves store. Now these ecosystems are the most affected by coastal development albeit their efficient function in climate change mitigation. Hence, CCEF understands that spreading this information to key people (e.g. law makers, community leaders, urban planners) is vital in the protection of such ecosystems.

This blue carbon concept is relatively recent in the conservation scene due to new studies of seagrass beds and mangroves having higher carbon storage than rain forests. Now, scientists and conservationists are campaigning on this concept to emphasize the importance of protecting these ecosystems.

-*Camillia Bollozos*

Mangrove Maintenance in Liloan



Measuring the height of a surviving seedling.

In 2015, Globe Telecom partnered with CCEF and Barangay Cotcot in planting mangrove seedlings (*Avicennia marina*). Its survival was then constantly monitored up to 2016. Around 1440 seedlings were planted and a 15% survival rate was recorded, 209 individuals, during the last monitoring in October 2016. It was observed that wildings or wild seedlings from the area naturally thrived compared to the planted seedlings, which were purchased from a different area. Thus, it was recommended that wildings

found within the vicinity of the planting site should be used for rehabilitation to obtain better survival rates and have a more successful rehabilitation site. -Camillia Bollozos



Marilyn Alilay of CCEF collects trash within the mangrove rehab site.

Resilient Ecosystems (Support to DRR Advocacy)

With the recent natural calamities (typhoons and earthquakes) happening in the country for the past six years, programs on Disaster Risk Reduction (DRR) have also increased and are now aiming for inclusiveness. Inclusiveness means that all people of class, age, gender, and people with disabilities should be part of the program. Unfortunately, most of the programs focus on people, and not so much on the environment when in fact, our environment and the resiliency of our ecosystems are crucial factors in reducing risk to the human population. In fact, DRR starts with understanding one's surrounding environment in order to assess one's probability of risks. Thus in 2016, CCEF strongly advocated on informing the public about coastal habitat conservation, integrity, and resiliency through booth exhibits, seminars and discussions with other organizations. -Camillia Bollozos



The CCEF exhibit during the First Cebu Disaster Risk Reduction (DRR) Info Fair Exhibit.

Fluor Philippines joined CCEF again in the celebration of the International Coastal Clean-up last September 16, 2016 along the mangrove rehabilitation area in Barangay Cotcot in the Municipality of Liloan. Trash

Fluor Daniel Inc. - Philippines and CCEF joins the International Clean-up (ICC)

were collected and recorded by volunteers using Ocean Conservancy's data forms. This year, volunteers also used "Clean Swell", Ocean Conservancy's mobile data collection app. to record each item of trash collected. The app was a fast way of reporting the amount of trash collected since the data can be directly uploaded to the website (<http://www.oceanconservancy.org/>). Brands of the different plastic wrappers were also recorded.

About 26 sacks of garbage were collected and majority of it were food wrappers. There is still a need to spread awareness and educate the local community and local officials regarding the proper disposal of everyday used products, particularly food products, and more eco-friendly ways of packaging these products.

-Camillia Bollozos



Volunteers lay out collected trash to record their brand names.



Volunteers recording trash data during the 2016 International Coastal Clean-up.



CCEF and Fluor Philippines join the 2016 International Coastal Clean-up.



Volunteers from Fluor Philippines collect trash within the mangrove rehabilitation sites in Barangay Cotcot, Liloan, Cebu.

Silkies, Threshers, Devils & Nautilus Are Now In CITES!



Thresher shark (*Alopias* sp.)
Photo: Steve De Neef

The Philippine government is one of the many countries which supported the listing of these marine species to promote and improve on the conservation and management of globally traded marine resources. At a national stakeholders consultation organized by the Department of Environment and Natural Resource (DENR) Biodiversity Management Bureau (BMB) CITES) Management Authority with the Department of Foreign Affairs (DFA), the Philippines drafted country positions on about 140 agenda items for CITES CoP17, to include proposals that would place international trade in specimens of about 450 species under CITES regulatory controls or higher level of protection as well as 18 draft interventions/statements for selected issues/concerns directly relevant to Philippines. As CITES Philippines Management Authority from DENR BMB, Ms. Josefina De Leon highlighted: "Position does matter!" Silky sharks *Carcharhinus faciformis*, Thresher sharks *Alopias* spp., Devil rays *Mobula* spp., and the Chambered Nautilus of the Family Nautilidae are among the marine species which



The Marine Technical Working Group at the Philippine pre-CITES CoP17 stakeholder consultation in Tagaytay in September 2016.

made it to CITES Appendix II list at the 17th Conference of Parties to the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES CoP17).

- Moonyeen Alava

Environmental Stewards

One fundamental factor for a successful Marine Protected Area (MPA) is a supportive and active local community. Local community involvement in the establishment of an MPA develops a sense of ownership which motivates them to actively participate. In every community, there are those that stand out and are worth recognizing. Here are our reputable partners in conservation for 2016:



Councilor Solita Panugan of
Barangay Cotcot, Liloan

Known to many as *Kagawad* Sol, or Nanay Sol, she opens her home to anyone who seeks her advice or help. As a member of the barangay council, her constituents flock to her for assistance for anything. Since her first term in 1997, she has been a staunch advocate of environmental protection in Liloan. She makes sure that people who come to visit the mangrove rehabilitation site understand the importance of mangroves and why they are strongly protecting them.



Ms. Princess Aldovino of Tingloy,
Batangas

Princess is the chair of the Batalang Bato Management Council which is in charge of the management of the Batalang Bato Marine Sanctuary (BBMS) in Tingloy, Batangas. Batalang Bato was declared a marine sanctuary in 2002 and since then, Princess and her fellow members have been vigilant in the protection of their marine sanctuary. CCEF has been a strong supporter of BBMS particularly because of Princess' dedication and perseverance in protecting their marine resources.



Mr. Darrell Pasco of the Province of
Siquijor

In 2011, Sir Darrell he was designated as Section Chief of Regulatory and Extension since 2011 where part of his regulatory tasks is to provide assistance to the local government units (LGUs) in coastal resource management (CRM) and serves as head of the Provincial *bantay dagat*. At that time, the *bantay dagat*'s main challenge was apprehending the rampant commercial fishing practices in the municipal waters of Siquijor. But their greatest challenge was the death threats to the *bantay dagat* from violator. In spite of this major impediment, he still continues to lobby to the government for coastal conservation and performs his duties protecting their municipal waters.



Ms. Nenita Tagalog of Barangay Calero,
Liloan

Nanay Nita heads the *bantay dagat* (local fish warden) of the municipality of Liloan in Cebu Province. She guides and ensures that the needs of the 29 members are responded to. She manages their resources efficiently, despite financial challenges, and does not see this as a deterrent to their enforcement duties. Nanay Nita maybe the only rose among the thorns but she brings a touch of motherly care not only to her fellow members but to the marine environment that she cares for deeply.

These are the people that we at CCEF honor and admire. They inspire us to continue our mission of creating sustainable coasts for our local communities.

CCEF Updates

A.White Library System

The AW Library is currently being used as a means to catalog bibliography materials both physical and digital. Over 300 items have been cataloged so far. The AW Library has been migrated to the NAS and is now accessible from anywhere within the local network.

NetSuite

CCEF has been fortunate enough to have been granted this software suite for free. NetSuite is an Enterprise Resource Planning (ERP) system built for business. The organization intends to use this suite mainly as an electronic accounting system. The target is to slowly transition to this system by the 2nd quarter of 2017.

Ecosystems Database

The Ecosystems Database is a program which aims to store and analyze survey data from different ecosystems. The program is slowly taking shape to a usable form. It is still currently under development and unsuitable for production use. More improvements to be expected by 2017.

Publications

Alava M, Bollozos CJ, Sabonsolin AC. 2016. **CCEF Annual Report 2015**. 12

Samonte GPB, Eisma-Osorio R-L, Amolo R, White A. 2016. **Economic value of a large marine ecosystem: Danajon double barrier reef, Philippines. Ocean & Coastal Management**. 122

Patrick Christie, Diana M Pietri, Todd C Stevenson, Richard Pollnac, Maurice Knight and Alan T White. 2016 Improving human and environmental conditions through the Coral Triangle Initiative: progress and challenges. Current Opinion in Environmental Sustainability. pp. 169-181 DOI: 10.1016/j.cosust.2016.03.002 <http://authors.elsevier.com/a/1SWiN6gsyPQHEb>.

*see: <http://coast.ph/?q=awhite-library/collection>

The SPR Camiguin 2015 and SPR Calamianes 2016 reports were released and distributed to volunteers and sponsors.



The SPR Camiguin 2015 report is available for download in the CCEF website in the A. White Library section with this link: http://www.coast.ph/sites/default/files/SPR_2015_Camiguin_Final_0.pdf



The SPR Calamianes 2016 report is available for download in the CCEF website in the A. White Library section with this link: http://www.coast.ph/sites/default/files/SPR_2016Calamianes_report20161121.pdf3.pdf

CCEF in the Network of CSOs of the Philippines

Civil society is the “third sector” of society, along with government and business which made great strides in the country over the last three decades. Two most important civil society organizations (CSOs) in the Philippines are the non-government organizations (NGOs) and peoples’ organizations (POs). As an NGO, CCEF is a member to various organizational networks in the province, the region, and the country.

In the province of Cebu, CCEF is a member of the Board of Kaabag sa Sugbo, a network of 28 Cebu-based NGOs engaged in the various aspects of social development work, envisioning a livable and sustainable Cebu by championing the concerns and advocacies of its member organizations and engaging various stakeholders in effecting good governance.

Kaabag is one of three provincial-level member-network member of the Central Visayas Network of NGOs (CenVisNet), a regional coalition of CSOs that also includes the provinces of Bohol (i.e., Bohol Alliance of NGOs and POs or BANGON) and Negros Oriental (i.e., Negros Oriental Network of NGOs and POs or NegOrNet). CCEF was elected as board member of CenVisNet during its 10th General Assembly last year. CenVisNet emphasizes strengthening the capacity of its member- networks to practice and promote the values of transparency, accountability and good governance to achieving sustainable development through regional cooperation and multisectoral partnerships.

Through CenVisNet, CCEF was able to participate in a number of regional- and national network level activities such as the training program on Advancing CSO Engagement in Disaster Risk Reduction – Climate Change Adaptation (ACED) in the Visayas Island Cluster (May 16-19, 2016), CenVisNet’s Strategic Planning and Review (June 1-2, 2016), the SocDev2016 and 25th General Assembly of the Caucus of Development NGO Networks in the Philippines (CoDe-NGO) (November 23 to 25, 2016). CCEF was also selected as the official representative of CenVisNet to CoDe-NGO’s Commission on Institution and Capacity Building (CICB) and subsequently elected to be the Vice-Chair of the commission.

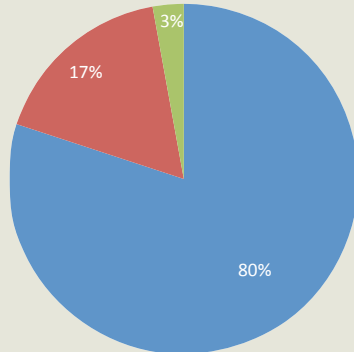
CODE-NGO (<http://code-ngo.org/>) is coalition of 12 national and regional networks representing 1,600 NGOs, POs and cooperatives engage in influence public policy, provide leadership in civil society and increase the effectiveness of social development work in the country.

CCEF, as part of the CenVisNet delegation at SOCDEV 2016 and Code NGO’s 25th year anniversary, graced by Philippine VP Leni Lobredo.



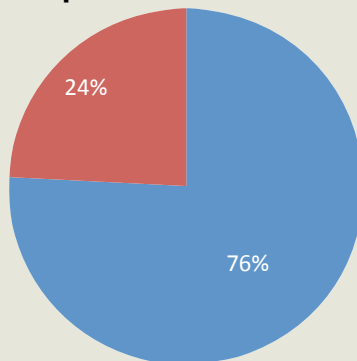
Financial Report

Source of Funds for 2016



Project Grants	Donations	Special Projects
\$75,988.37	\$16,220.24	\$2,701.75

Expenses for 2016



Projects	Admin
\$113,981.3	\$36,390.67

Acknowledgements

MAJOR PROJECT FUNDERS

UNICO Conservation Foundation
 Deutsche Gesellschaft für Internationale Zusammenarbeit - Protected Areas
 Management Enhancement (GIZ-PAME)
 Rare Inc.

SPECIAL PROJECTS

Fluor Daniel Inc. - Philippines
 Globe Telecom
 Shark Fund

SPR Volunteers

Alastair Pennycook
 Alexander Robb
 Denise Illing
 Geoff Illing
 John Rowland
 Julia Cichowski
 Laurent Boillon
 Mark Hillebrand
 Matthew Rowland
 Roland Thomas
 Sheree Marris
 Vittoria Annoscia Thornley

Donors

Alastair Pennycook
 Alexander Robb
 Cherry Jaudalso
 Denise Illing
 Gaywynn Cooper
 Jan Elliott
 Julia Cichowski
 Julianita Ramirez Abas
 Kathleen Anderson
 Karsten Schroeder
 Mr. Cooper
 Richard Richie
 Stoked Inc.
 Vittoria Annoscia Thornley

Interns/Volunteers:

Andrie Goldwin Arevalo
 Edward Luis Peralta
 Flora Neri
 Julce Sam Maverick Claret
 Leizel Fano
 Nina Mikaela Cabeji
 Renzo Mark Peralta
 Roberto Arranguez Jr.

Board of Trustees



ALAN T. WHITE, Ph.D.
President
Global Marine Initiative, The
Nature Conservancy, USAID
Sustainable Ecosystems
Advanced (SEA) Project Indonesia



WILLIAM P. JATULAN
Vice-President
Pacific-American Climate Fund
(PACAM)



EVANGELINE E. WHITE
Corporate Secretary
Waikiki Aquarium



**MAY ELIZABETH
SEGURA-YBAÑEZ**
Treasurer
Cebu Chamber of Commerce and
Industry, Inc.



EVELYN DEGUIT
Member
Cebu Provincial Social Welfare and
Development Office



THOMAS J. MUELLER, Ph.D.
Member
Independent Educational Consultant



PATRICK CHRISTIE, Ph.D.
Member
University of Washington, School of
Marine and Environmental Affairs

CCEF 2016 Team

MOONYEEN NIDA R. ALAVA
Executive Director

**TRIXIE L. BANDALA/
BERNADETTA L. LASULA**
Administrative/HR Officer

MARIZA A. CALUMPANG
Accountant

PABLITA T. HUERBANA
Administrative & Accounting Assistant

MARILYN E. ALILAY
Office and Field Assistant

**PEARLY JANE BACLAY/
HENXIL ANN CALIMBAYAN
LUIGIE LESTER LASULA**
Bookkeepers

MICHELLE R. BAIRD
Coastal Resource Management (CRM) Officer

JONATHANIEL L. APURADO
Research & Monitoring Team Leader

CAMILLIA JANE F. BOLLOZOS
Research & Monitoring Officer

REAN GERALD C. CATITIG
Area Coordinator (Siquijor)

AL JIEREIL M. LOZADA
Computer Systems & Database Specialist

GUILLEMETE MARIE FORATO
Intern, Research and Development



CONSULTANTS/CONTRACTORS

AILEEN P. MAYPA, PhD
Marine Research & Development Adviser

MARY JANE B. TRANGIA
Accounting & Finance Adviser

CLARISSA T. REBOTON
Coral Specialist

**VENERANDO A. CARBON/
MARIA VENIDEZ R. GAMALE-DAYAO**
Financial Management for Communities

AGNES CORINE SABONSOLIN
Communications Curator

JERRY VALISCO
Field Assistance

 [cce_foundation](#)  [ccefoundation](#)  [www.coast.ph](#)



CCEF

Sustainable coasts
Involved communities

Room 302, PDI Condominium,
Archbishop Reyes Avenue, Banilad,
Cebu City, Philippines
Telefax: +63 (32) 233 6909
Email: info@coast.ph

Cover photo:
Damselfishes bask in the morning sun above the
reef inside the sanctuary at Sumilon Island.
Photo: Agnes Sabonsolin

Design & Layout:
Agnes Sabonsolin

