

Panay Eco-Social Conservation Project  
(PanayCon)

**Nineteenth Annual Report**

December 2017

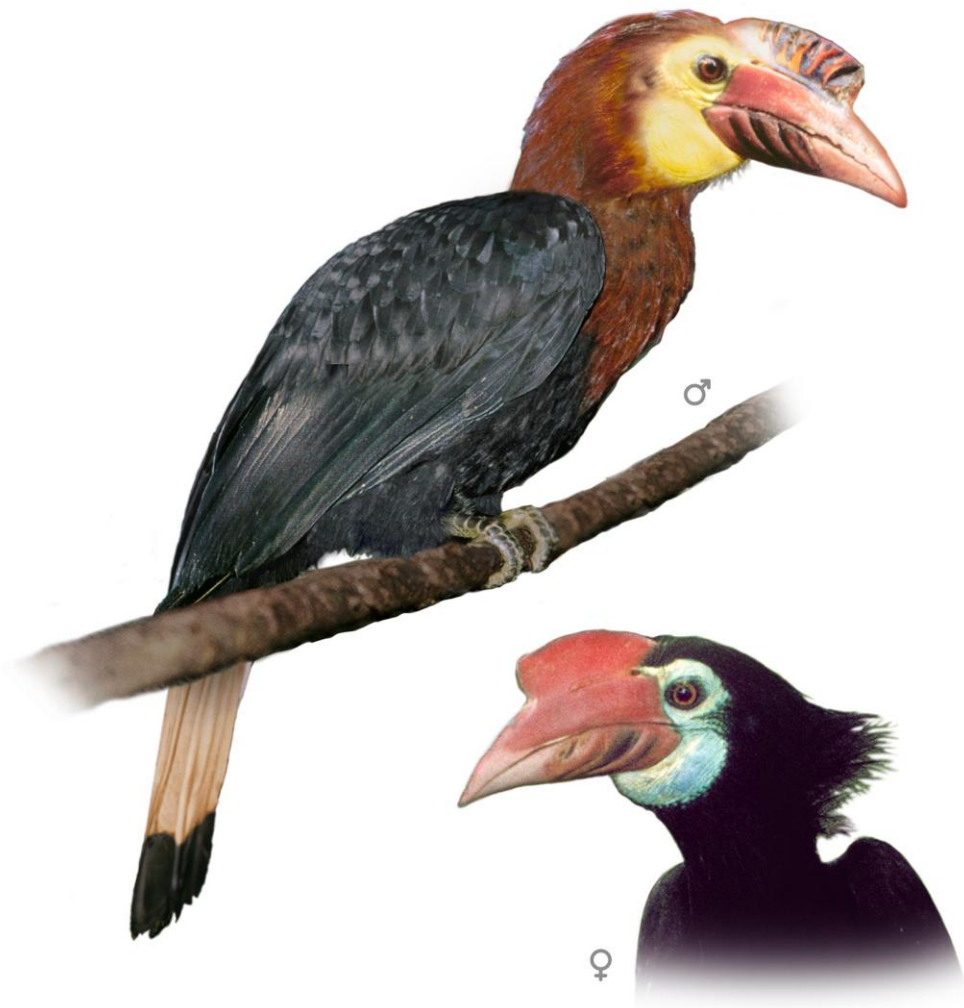
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Under the umbrella of the NGO PhilinCon

In close cooperation with

Department of Environment and Natural Resources (Philippines)  
University of the Philippines, Diliman, Quezon City (Philippines)  
Frankfurt Zoological Society (Germany)  
Erwin-Warth-Stiftung (Germany)  
Ruhr-University Bochum (Germany)



**Frontispiece (overleaf): Dulungan (*Rhabdotorrhinus waldeni*)**

Artwork by the Helga S c h u l z e (Bochum).

*Impressum:*

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Pandan and Bochum, December 2017

## Acknowledgments

Thanks  
to the sponsors under the umbrella of the NGO PhilinCon

## Nineteenth Report 2017

### An Update and Thorough Revision of the ‘Eighteenth Report 2015’

*Title of Project and Time Period:*

Panay Eco-Social Conservation Project (PanayCon). The time period covers the years 2015-2016.

The project's work is formalised under the aegis of a Memorandum of Agreement between the DENR and Ruhr-University Bochum, renewed in 2012. A collecting permit (R6-2016-003), covering collecting of plants, potential prey of the Marine or Cane Toad (*Rhinella marina*), and opportunistically obtained specimens (e.g. road kills) that represent new species or a new distributional record has been granted on August 15, 2016. Links with many environmentally concerned agencies/ institutions are continuing to thrive and many others are developing: Erwin-Warth-Stiftung, President Hilde Stühlinger; and the CAPE Foundation, President Macrina P. Lovina, absolutely vital for the project. The CAPE Foundation is aiming at costal development including the instruction of fishermen and the conservation of marine wildlife. Furthermore, the Foundation sponsors six Forest Rangers that had received a training as WEOs (Wildlife Environmental Officers). An additional befriended supporter of the project is Leocadio F. Dioso. He hosts us by providing office space in the Leocadio Alonsagay Dioso Memorial Public Library, Pandan, Antique, Philippines. Furthermore, the University of the Philippines, Dilliman, Quezon City, hired Prof. Dr. E. Curio as Visiting Professor to lecture, give seminars and supervise Philippine Bachelor and Masters Students at various campuses throughout the Philippines.

The suspect involved in the theft sustained by Prof. Curio finally returned the money, after having it parked with the barangay captain of Bulanao for some time.

‘Sibaliw’ station saw many visitors, as usual (**App. 2**). Members of the University of the Philippines, led by Prof. Dr. M. Amante, were welcome by the station staff, as well as several birding parties and German research students.

BioCon, an NGO and an earlier outgrowth of PESCP (now PanayCon), still failed all along with its mandate of strengthening PESCP financially since its establishment 14 years ago. None of the ensuing correspondence letters of Prof. Curio ever got an answer from the president of BioCon.

PanayCon gratefully acknowledges again the factual and moral support received from the LGU of Pandan. We take this opportunity to extend our deep-felt gratitude to Hon. Jonathan D. Tan, Municipal Mayor of Pandan, and the Head of the Pandan Department of Agriculture, Mr. Ronald S. Sanchez, for their great understanding and perspicacity of giving leeway to their staff in assisting PanayCon tremendously in its zeal of pushing its and the municipality's environment agenda. Accordingly, we are pleased to mention the assistance of Mr. Arnold Demegillo, Pandan's MENRO and Agricultural Technologist, who took pains in advising PanayCon in community liaison matters facilitating various technical problems. Mr. Demegillo was promoted Head of the Municipal Disaster Risk Reduction Office.

The aftermath of the events detailed in the 15<sup>th</sup> report are still affecting the project through the lack of a major sponsor. In view of this, we deeply appreciate the donations granted by our other supporters allowing us to keep the project alive. Like before, Prof. Dr. E. Schneider, President of the German 'Bird Protection Committee' (Göttingen, Linum), circumspectly funded our *ex situ* work focused on the rehabilitation and release of wildlife, specially endangered birds. Likewise, Mr. Antonio de Dios, President and General Manager of Birds International, Inc., and of Transport Equipment Corporation, and Mr. Georg Gewers, a Berlin architect, long term supporters of the project, donated funds usual. A major donation was collected by Mr. Wenxing Pan, Alternate Executive Director of the Asian Development Bank, Manila, and Ms. Qinhong Zheng, Manila, after they had visited Sibaliw station. However, among the European supporters diversion of funds going to domestic projects and the vast numbers of refugees from the Near East and the Balkans were noticeable in the past years. This competition, based on one-sided charity thinking, give the project a hard time.

To all these people and institutions we are deeply grateful and hope that they will support the cause of both PanayCon and its umbrella NGO PhilinCon also in the future.

## Editorial

by Prof. Dr. E. Curio

In the wake of the elections for a new government, President Duterte appointed new members of his cabinet. He thereby is usually following the recommendations of the Commission of Appointment. The most significant appointment for us conservationists was his choice of Mr. Roy A. Cimatu, a former General of the Philippine Army, as the new Secretary of the Department of Environment & Natural Resources (DENR). As a general he used to direct groups of men to respect his commands. Being a partner of the DENR by way of a MOA for many years by now, we salute the appointment of Mr. Cimatu. The choice was preceded by lengthy consultations of the said Commission in which Mr. Cimatu won the upper hand while Ms. Gina Lopez, the second runner-up, had planned to restrict the activities of the mining companies which made her succumb. Those companies had a known history of logging of pristine forests and a number of accidents harmful to the environment.

I had given been the privilege of a one-on-one meeting with Ms. Lopez three years ago. I was shown a beautiful film that echoed her credo in conservationists to work according to a two-prong approach: First of all to preserve nature, and second to confer the people caring for it the education needed and the seed money to engage in alternative livelihoods. In return, they oblige themselves to no longer damage their environment by refraining to, among other improper activities, to illegally cut down native trees or killing wildlife. Since its inception in 1995, our project, PhilinCon (see [www.philincon.org](http://www.philincon.org)), adopted this two-pronged approach as also conducted by Ms. Lopez in her laudable work directed at conservation. This approach, emulated by many, is seen as the way forward on the road to successful conservation.

The objectives of conservation are dictated by the pristine or damaged environment, and the livelihood support is dependent on the financial possibilities and the training of the educators. PanayCon cared for the protection of the forest on Panay and for threatened wildlife species such as the Spotted Deer and the Dulungan (Writhed-billed Hornbill). In the latter case we made even the protection of the nest holes a part of our livelihood projects. It involved paying a bounty for each fledged brood. Apart from the two projects mentioned, we have implemented ten more livelihood projects, including among others, carabao breeding, pig breeding and fattening, poultry maintenance, and irrigation. Unfortunately, we have had to discontinue these and other projects, except for the forest protection, for lack of funds. While undertaking an active fundraising campaign, we have partnered thanks to Ms. 'Macky' Lovina, of head of the CAPE Foundation, to ensure the continuation of our project involving the employment of Forest Rangers to patrol the Northwest Panay Peninsula Natural Park and nearby areas as a deterrent to illegal logging, poaching, and other anti-environment activities.

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## Executive Summary

### 1. Conservation and Rehabilitation

#### 1.1 Manager's Report – Law Enforcement

The law enforcement portion of PhilinCon's activities mainly involves the work and accomplishments of our team of Forest Rangers (FRs). In recognition of their effectiveness, they have been officially deputized as WEOs (Wildlife Enforcement Officers) by the Department of Environment and Natural Resources (DENR).

Among their standard functions, our FRs carry out regular patrols of the forest areas of Libertad, Pandan and Sebaste in Antique and the municipality of Buruanga in Aklan province. During 2015, their work resulted in the confiscation of 4 boat hulls and more than 300 bd./ft. of logs that had been cut illegally. These were subsequently turned over to the PNP/ DENR. The FRs also assisted in the release of turtle hatchlings and the turning over of endangered wildlife.

Sadly, the arrests and material confiscations that have been effected by PhilinCon and its FRs have not led to the illegal loggers, hunters and poachers being brought to justice in a court of law. Despite this fact, however, PhilinCon will continue its activities for the essential protection and conservation of our forests and its wildlife inhabitants.

#### 1.2 Animals under the Care of PhilinCon in 2015-2016

Both species of hornbills (*Rhabdotorrhinus*, *Penelopides*), various raptors, a Grass Owl and several seabirds were rehabilitated and released upon proper health checks by our veterinarian Dr. Enrique Sanchez. The rescue facilities from the animals came from in those in Mag-aba, Bulanao and Sibaliw Station. **Table 2** gives the details of the species, sex, ring numbers, and the circumstances of recovery and release. Animals classified as 'unsuitable for release' are sent to the PAWD DENR Region 6 in Iloilo City.

### 2. Conservation Research: Taxonomy and Biodiversity

#### 2.1 Nematomorpha from the Philippines, with description of two new species

With the exception of one species, no horsehair worms (Nematomorpha) were known to date from the Philippines. We report here several records, almost all from Panay Island. Two species, *Gordius jorriti* and *Acutogordius finni*, are de-scribed as new species. Two species of *Chordodes*, *C. caledoniensis* and *C. cf. moutoni*, were found. In addition, further specimens from the genera *Gordius*, *Acutogordius* and *Chordodes* could not be determined to species level.



## **2.2 Update on *Tagalomantis manillensis* (Saussure), with description of the female and comments on its systematic placement and life history (Insecta: Mantodea: Deroplatyinae)**

The female and the ootheca of the Philippine endemic *Tagalomantis manillensis* (Saussure, 1870) are described and illustrated for the first time. The male is re-described in detail. The species was so far only known from the island of Luzon, but also occurs in suitable habitats on Panay. Although locally relatively abundant, it is confined to primary and old secondary rainforests and threatened by habitat loss. The life history of Panay populations is outlined. The name Euchomenellini Giglio-Tos, 1916 is proposed for the oriental members of Angelinae (*Euchomenella*, *Indomenella* and *Tagalomantis*). The tribus is placed among Deroplatyinae due to morphological and genital characters. *Cotigaonopsis* Vyjayandi, 2009 is transferred to Rivetini. A key to the genera of Deroplatyinae is provided.

## **3. Behavioural Ecology**

### **3.1 Avian resource defense against an insect competitor and a cognition problem**

The defense of a nectar source (*Nauclea orientalis*, Rubiaceae) by a male of the partially nectar-feeding Orange-bellied Flowerpecker (*Dicaeum trigonostigma australe*) against carpenter bees (*Xylocopa latipes*) is described. The bird attacked the bee physically while it was feeding on the inflorescences, and also chased the bee in flight, preventing it from landing on the flowers for feeding. The female remained indifferent to the bee. The underlying cognitive achievement is best understood by assuming an intruder ‘action-based’ threat recognition rather than an intruder ‘identity-based’ threat recognition. An innate ‘identity-based’ object recognition for select community members would probably not accrue in this case the necessary flexibility to account species-specifically for hundreds of species of arthropod nectarivores.

# 1. Conservation, Education, Rehabilitation

## 1.1 Manager's Report

by Christian J. Schwarz, MSc., Project Manager

The lack of proper funding is still one of our main impediments. Aside from its impact on conservation, it also restricted my stay in the Philippines to six months in 2015. Despite being in Germany for the most part of the covered period, my now voluntary work never ceased. I provided guidance for the ongoing station repair and other technical matters, but my main duty during this time was fundraising. I also pursued my scientific work, which naturally has to be reduced during my stays on Panay.

On Panay, not much changed since the latest report. Our activities, in terms of wildlife rehabilitation, forest monitoring, and scientific research, are centered around the Northwest Panay Peninsula and some portions of southern Pandan. Thanks to a donation by the German Bird Protection Committee, through Dr. E. Schneider, PanayCon could re-assume the nest-guarding scheme for the Dulungan or Writhed-billed Hornbill (*Rhabdotorrhinus waldeni*), though some safety issues in the target area delayed the hiring of the nest guards considerably.

The long overdue repair of Sibaliw station could finally be started at the end of 2016, after I had successfully convinced the Protected Area Management Board (PAMB) to allow PhilinCon to use trees felled by typhoon Yolanda. We were allowed to use seven trees chosen by the station staff and myself, which were subsequently documented by the DENR before the repairs could begin. We used the opportunity to exchange the station floor bamboo sheets, constantly a risk to the station inhabitants, with much more durable hardwood boards. The roof has also been lifted and covered with new corrugated iron sheets. The power supply remains a major problem, as the batteries have been maltreated by the new, inexperienced station staff. One of our trusted previous caretakers retired because of health issues, while the second slowly wound down its duties to pursue a fishing career. The search for a proper replacement in combination with the repair activities in the long term negatively affected the care for both the batteries and the generator.

Before I left, I could facilitate the release of our three oldest dulungans at Sibaliw. The birds adapted well to the wild episode of their life. Even though the male was predated after several months by a Malay Civet Cat or Tangalunga (*Viverra zibethica*) – the price for living in the wild is constant danger imposed by predators –, the females still roam the NWPP, allowing some hope that the species may be able to re-establish itself on the peninsula one day. As in previous years, we were able to rescue and release sea turtles: aside from a nest of 62 hatchlings, we also rehabilitated and released a Green Sea Turtle (*Chelonia mydas*) with a carapace length of 95 cm.

There is no better way to end this paragraph than acknowledging our sponsors, without whose support our work would not be possible. The late year 2017 saw some major improvements, which will be dealt with in the next Annual Report.

## 1.2 Law enforcement report

E. D. Sanchez Jr. DVM, R. Santillan, J. Matinong, G. Faustino, and C. J. Schwarz

### Introduction

The implementation of “law enforcement activity” is one of the main sub-projects of PhilinCon. The workers are otherwise known as “Bantay Gubat” or Forest Rangers/Guards. To legalize the operations undertaken by our forest rangers against the illegal activities destroying our forests, the rangers are duly deputized as WEO (Wildlife Enforcement Officer) by the office of the DENR Region 6. The deputization is renewed every year, and valid in the municipalities of Libertad, Pandan, and Sebaste. In contrast to adequately funded WEOs in previous years, our FR team currently comprises only six full-time rangers. In theory, the areas of coverage for the PhilinCon Forest Rangers wildlife enforcement operations include the North West Panay Peninsula Natural Park (NWPP-NP) which comprises approximately 13,000 ha, and the Central Panay Mountain Range (CPMR) holding approximately 40,000 ha of forest. However, due to financial limitations, only about 10,000 ha. out of 40,000, or about a quarter of the CPMR area are being patrolled by our rangers. Despite this, we are able to maintain our visibility on these areas even with only six active full time forest rangers, who were able to cover more than 20,000 ha., with the majority of the operations having been conducted inside the NWPP-NP.

Our activities had to be reduced in 2016 due to some of our rangers pursuing other job opportunities.

### Partnership and co-operations

Our successful operations and patrols would not be possible without the support coming from CAPE Foundation, through Ms. Macrina “Macky” Lovina, Makati City; the DENR VI, through RD Jim O. Sampulna, CESO III, PENRO San Jose, Antique, Ruel de Los Reyes, and CENRO Culasi, Antique, Cynthia Blanca.

Table 1: Forest ranger report for the months of January 2015 to December 2016

DATE AND TIME	LOCATION	ACTIVITY	FOREST RANGERS /WEOS' INVOLVED	REMARKS
January 06-07, 2015 8:00 AM	Brgy. Pusio, Libertad, Antique	Monitoring Foot patrolling	Armelito Ebon Jr. Jose Matinong Faustino Guillermo	During an overnight monitoring, the team didn't find the boat hull that had been previously reported to be delivered from Brgy. Bagumbayan, Buruanga, Aklan. The following day, a concerned citizen informed the team that the boat hull had already been delivered to the Island of Batbatan.

January 08, 2015 8:00 PM	Brgy. Union, Libertad, Antique	Foot patrolling Monitoring	Armelito Ebon Jr. Faustino Guillermo Jose Matinong Freddie Fernandez Rudy Domingo	Through PASu Rhodel Lababit we received information about the illegal poaching of a Molave tree. At around 3:00 in the morning, the team found several pieces of molave timber being stocked along the brgy. road, and some additional timber stocked inside a small hut. The following morning at around 9:30, personnel from DENR together with the 315 <sup>th</sup> headed by Ruel Cataluna and the PNP Libertad visited the place. The timbers were temporarily left under the custody of the owner, Mr. Ronnie Delgado, until further investigation.
January 19-20, 2015 7:00 PM	Brgy. Union, Libertad, Antique		Armelito Ebon Jr. Faustino Guillermo Jose Matinong Freddie Fernandez Rudy Domingo	We found out that the timbers under the custody of Mr. Ronnie Delgado have been hauled away.
January 24-25, 2015 3:00 PM	Mt. Luho, Brgy. Santo Rosario, Pandan, Antique		Armelito Ebon Jr. Faustino Guillermo Jose Matinong Freddie Fernandez Rudy Domingo	Despite reports from a concerned citizen about a boat hull which had been already made was ready to be delivered, the team didn't find any boat hull in the reported area.
February 05-06, 2015 6:00 PM	Sitio San Juan, Brgy. Santo Rosario, Pandan, Antique	Foot patrol Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	We received reports about an ongoing making of a boat hulls at Sitio San Juan, Brgy. Sto. Rosario. However, during a subsequent overnight monitoring the team didn't find any sign of illegal activities.
February 09, 2015 7:30 PM	Brgy. Nauring, Pandan, Antique	Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo	Sixty two (62) sea turtle hatchlings were found being kept in 3 basins. They were temporarily put under the custody of the Brgy. Nauring Fish Warden, Mr. Roquito Cadena. The following day,

				the hatchlings were released into the sea.
February 21-22, 2015 10:00 PM	Sitio Tabay, Brgy. Patria, Pandan, Antique	Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	The team conducted an overnight monitoring, but found no signs of illegal activities.
March 06-07, 2015 6:00 PM	Brgy. Luhod Bayang, Pandan, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	A concerned citizen reported the alleged illegal cutting of Molave and Mugni trees. As a consequence, the team conducted an overnight operation in the reported area, but found no signs of illegal activities.
March 14-15, 2015 6:00 PM	Brgy. Paz, Libertad, Antique	Foot patrol Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	We received a piece of information regarding the alleged hauling of a boat hull made of Red Laua-an at Sitio San Juan, Libertad, Antique, to Brgy. Paz, Libertad, Antique. Overnight monitoring and foot patrol was conducted, but the team found no signs of illegal activities.
April 20-22, 2015 6:00 AM	Mt. Kabuluan, Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	Foot patrol/monitoring was conducted by the ranger team after they received a report from a concerned citizen about illegal hunters being active at Sitio Banawang, Brgy. Badiangan, Pandan, Antique. Two nights and 3 days of operation, however, revealed no signs of illegal activities.
April 28, 2015 9:00 AM	Sitio San Juan, Brgy. San Roque, Libertad, Antique	Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	Despite a received piece of information about illegally cut timber to be delivered via San Juan, the team did not find timber during the immediately conducted operation.
May 08-09, 2015 8:00 AM	Brgy. Tinigbas, Libertad, Antique	Foot patrol Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	An operation was conducted after a report from a concerned citizen about ongoing illegal poaching of Molave trees.

				The team did not hear or see a chainsaw during the operation. However, the FRs found the remains of 5 Molave trees which had already been cut down and sliced.
May 25, 2015 6:00 AM	Brgy. Tinigbas, Libertad, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	Foot patrol/monitoring was conducted by the team after they received a report from a concerned citizen about timbers stocked along the Brgy. road of Brgy. Tinigbas. The team found, however, no sign of illegal activities.
June 03, 2015 6:00 AM	NorthWest Panay Peninsula Natural Park Sibaliw Research Station	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	Despite received reports and during a foot patrol/monitoring conducted by the team, no sign of illegal activities were found.
June 12, 2015 12:45 PM	Brgy. Nauhon, Sebaste, Antique	Emergency operation	Faustino Guillermo Armelito Ebon Jr. Jose Matinong Rudy Domingo	The team received a report about a sea turtle from a concerned citizen of Brgy. Nauhon. The team found out that a Green Sea Turtle had been accidentally caught by a fisherman with a fishing net owned by Mrs. Mercedes Quiniones at around 9 AM. The team tried to contact CENRO Vic through both landline and mobile phone for some advice (e. g. wait for somebody in charge for tagging) but the phone was busy. The team then contacted PASu Lababit, receiving the advice to release the turtle after obtaining some data (pictures, measurements) for the documentation. The Green Sea Turtle with a carapace measurement of 95 cm (length) by 80 cm (width) was then immediately released back to

				the sea at around 1:00 PM.
July 14, 2015 2:00 PM	Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	The team received reports about ongoing illegal poaching of native trees. During the foot patrol/monitoring conducted subsequently, no signs of illegal activities were found.
July 20, 2015 9:00 AM	Mt. Iglate, Brgy. Dumrog, Pandan, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	A concerned citizen reported narra timber that was about to be hauled from Mt. Iglate. The team didn't find any timber during their overnight monitoring.
July 22, 2015 8:00 AM	Brgy. Pusio, Libertad, Antique	Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez	We received a report on ongoing Molave tree cutting. The team didn't find signs of cutting during one whole day of monitoring.
August 08-09, 2015 8:00 PM	Sitio Tubusan, Brgy. Inyawan, Libertad, Antique	Monitoring Foot patrol Apprehension	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	The team apprehended together with the Forest Protection Officers of DENR Culasi four (4) pieces of boat hulls made of Mahogany trees from an afforestation site of the DENR. The persons involved in the illegal cutting were identified as Mr. Teodolo Delgado and his company. Said boat hulls were turned over to DENR Culasi. (Figs 1-2)
August 11, 2015 7:00 PM	Brgy. Mag-aba, Pandan, Antique	Monitoring Foot Patrol	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	A concerned citizen informed us through text message that endemic birds were illegally hunted by 5 persons using marble guns. However, the team found nothing at the reported area during an overnight operation.
August 14, 2015 8:00 PM	Brgy. Mag-aba, Pandan, Antique	Follow-up Monitoring	Armelito Ebong Jr. Jose Matinong Faustino Guillermo	The group found nothing during an overnight follow-up monitoring in a nipa plantation along the coastal area.
August 18-19,	Brgy. Nipa,	Foot patrol	Jose Matinong	We received a report from

2015 7:00 PM	Libertad, Antique		Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	somebody concerned. However, the team did not find signs of illegal activities during their overnight foot patrol.
August 21, 2015 11:00 AM	Brgy. Cubay, Libertad, Antique	Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Freddie Fernandez	After a report about illegal cutting of Bogo trees, the team conducted a four (4) hour monitoring together with the Forest Protection Officers from DENR Culasi, but found nothing.
August 30, 2015 10:00 AM	Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Monitoring Apprehension	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	One (1) male Tarictic Hornbill was voluntarily surrendered to the team by a poacher, identified as Mr. Pepito Vendecio. Said Tarictic was turned over to Dr. Enrique Sanchez Jr. and the Mag-aba Rehabilitation and Rescue Facility for proper care until time is ready to be released (Fig. 5).
September 6-7, 2015	NWPP-NP	Foot Patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	During two (2) nights of foot patrol/monitoring within the NWPP-NP the team found no signs of illegal activities in the area.
September 15, 2015 9:00 AM	Brgy. San Andres, Pandan, Antique	Monitoring Apprehension	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	The office received information about ongoing cutting and slicing of timber without the necessary permit from the DENR office. The team apprehended together with the Forest Protection Officers of DENR Culasi several pieces of cut and sliced timber of Mugni trees with the total amount of 260 bd/ft. We found out that the timber was owned by Hon. SB member Dr. Renato Tugon of Brgy. Baybay, Pandan, Antique (Figs 3-4).
September 18, 2015	Brgy. Mag-aba, Pandan, Antique	Monitoring	Jose Matinong Armelito Ebon Jr.	We received a report from an informant about a group of



6:00 PM			Faustino Guillermo Rudy Domingo Freddie Fernandez	hunters hunting endemic species of birds, but the team didn't find any poachers during their subsequent overnight monitoring.
September 21, 2015 1:00 PM	Brgy. Jinalinan, Pandan, Antique	Rescue Turn over	Jose Matinong Dr. Enrique D. Sanchez Jr.	One (1) female Besra was surrendered to WEO/FR Jose Matinong by Mr. Candido E. Alcantara of Brgy. Jinalinan, Pandan, Antique. The bird was immediately turned over to Dr. E. Sanchez Jr. and the Mag-aba Rehabilitation and Rescue Facility for proper care and medication, because it had a wound on its left wing (Fig. 6).
Sept. 26-29, 2015 6:00 PM	Mt. Sakpao, Brgy. Idio, Sebaste, Antique	Foot Patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	The office received information about ongoing hunting of spotted deer and wild pigs in the reported area. During three (3) nights of foot patrol and monitoring the team found 2 empty shells of 12 gauge shotguns at the suspected hunters' campsite.
October 2, 2015 6:00 PM	Brgy. Mag-aba, Pandan, Antique	Follow-up Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	The team didn't find any signs of illegal hunting of birds within the reported area during their overnight monitoring.
October 5-7, 2015	Brgy. Tinigbas, Libertad, Antique	Foot patrol	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	Despite a report on timber poaching, the team didn't find any signs of illegal activities during two (2) nights of foot patrol/monitoring.
October 12-13, 2015	Brgy. Cubay, Libertad, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	Despite a report on a Nipga boat hull, the team didn't find any signs of illegal activities.
October 27-29, 2015	Sibaliw Station, NWPP-NP	Foot patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Joeman Mangga	During three (3) days foot patrol from Tinagong-Cogon to Tabyaka and down to Jubo River the team didn't find any signs of illegal activities. The mentioned areas are

				usually the camp sites of hunters.
October 12, 2015	Brgy. Jalandoni, Culasi, Antique	Turn-over of Brown Booby	Dr. Enrique Sanchez Jr.	One (1) Brown Booby was turned over to the PhilinCon office by Mr. Camilo Alorro of Brgy. Jalandoni, Culasi, Antique. Said bird is now being kept at the Mag-aba Rehabilitation and Rescue Center for proper care.
November 9-10, 2015	Brgy. Maramig and Brgy. Igcagay, Libertad, Antique	Foot Patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	A concerned citizen reported on a Molave tree allegedly being cut, but the team didn't find any signs of cutting in the reported area.
Nov. 25-26, 2015	Sitio Ula-an, Brgy. Bagumbayan, Buruanga, Aklan	Foot Patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Joeman Mangga	Despite received reports about the delivery of a boat hull, the team didn't find any hull during an immediately conducted overnight monitoring.
Dec. 10-11, 2015 7:00 AM	Sibaliw Station, NWPP-NP	Monitoring Foot Patrol	Armelito Ebon Jr. Freddie Fernandez Joeman Mangga Rudy Domingo Rhea Santillan	During an overnight foot patrol and monitoring within the NWPP-NP, the team didn't hear or find any signs of illegal activities. The team also checked on the ongoing repair of the Sibaliw Research Station.
Dec. 13-14, 2015	Brgy. Mag-aba and Brgy. Tingib, Pandan, Antique	Foot patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	No illegal fishing activities were detected during an overnight monitoring. Instead, the team found a motorcycle abandoned by an unknown owner. It was turned over to the Brgy. Captain of Tingib for further custody.
Dec. 20-21, 2015	Brgy. San Andres, Pandan, Antique	Monitoring Foot patrol	Jose Matinong Faustino Guillermo Armelito Ebon Jr. Freddie Fernandez Rudy Domingo	We received information about the alleged delivery of Narra lumbers. However, the team didn't find said timber during their overnight monitoring.
January 23-24, 2016 8:00 AM	Brgy. Mag-aba, Pandan, Antique	Monitoring Foot patrolling	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	During an overnight monitoring, the team did not find a previously reported group conducting illegal

	Brgy. Tingib, Pandan, Antique			fishing in a Sanctuary between Brgy. Mag-aba and Brgy. Tingib, Pandan, Antique.
January 27-28, 2016 8:00 AM	Brgy. Luhod Bayang, Pandan, Antique	Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	Despite received reports about the illegal poaching of native trees the rangers did not find any signs of illegal activities during their overnight monitoring.
January 29, 2016 1:30 PM	Mag-aba Rehabilitation and Rescue Center	Turnover of Python snake from PENR Office to PhilinCon	Dr. Enrique D. Sanchez Jr.	A Reticulated Python ( <i>Python reticulatus</i> ) from the PENR Office was turned over to Dr. Sanchez by PENR Personnel, Mr. Leodice Alabado, SVEMS and Ms. Rocelia Campos, DMO II, DENR Antique. The said snake was checked, given proper medication and later released by Dr. Sanchez.
February 2-4, 2016 6:00 PM	Brgy. Inyawan, Libertad, Antique	Monitoring Foot patrolling	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Freddie Fernandez	A concerned citizen from said Brgy. reported illegal cutting of trees and illegal poaching, but during 3 days and 2 nights of foot patrol and monitoring, the team did not find any signs of illegal activities within the reported area.
February 11-12, 2016 7:00 PM	Brgy. San Andres, Pandan, Antique	Monitoring Foot patrol	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	We received information that illegally sliced lumbers were being kept inside the Kanipaan plantation, but when the team searched and monitored the area they did not find anything.
February 14-15, 2016 7:00 PM	Brgy. San Andres, Pandan, Antique	Foot Patrol Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	Follow up monitoring on the same information. The team saw 3 haulers, but when they tried to ask about the lumber they did not receive useful information, because said lumber had already been delivered to the owner's houses from an unknown location.

February 18-19, 2016 10:30 AM	Brgy. Tabuc, Libertad, Antique	Foot patrol Monitoring	Jose Matinong Faustino Guillermo Armelito Ebon Jr. Rudy Domingo	The team found 2 naturally grown trees that had been already been cut down but not yet sliced into lumber. The trees were identified as Salong and Tipolo.
March 01, 2016 8:00 AM	Brgy. Mag-aba, Pandan, Antique	Meeting with DENR Personnel headed by Amadona Rana	Enrique D. Sanchez Jr. Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo Rhea Santillan Freddie Fernandez	PhilinCon Staff, Forest Rangers (also acting as Wildlife Enforcement officers), and DENR personnel headed by Amadona Rana attended the meeting celebrating the 3 <sup>rd</sup> World Wildlife Day.
March 10, 2016 8:00 AM	Sitio San Juan, Brgy. San Roque, Libertad, Antique	Conduct assessment survey	Jose Matinong Faustino Guillermo Freddie Fernandez Rudy Domingo	Four Wildlife Enforcement Officers of PhilinCon conducted an assessment survey together with DENR Personnel headed by Amadona Rana.
March 3, 2016	Brgy. Baybay, Pandan, Antique	Donation of a wild bird	Faustino Guillermo	A juvenile Crested Serpent Eagle ( <i>Spilornis holospilus</i> ) was turned over by a sister of Cerwin Ibaney to WEO Faustino Guillermo. The bird was then brought to the Mag- aba Rehabilitation Center to be properly taken care of by Dr. Enrique D. Sanchez Jr.
March 19-20, 2016 1:00 PM	Mt. Luho, Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Monitoring Foot patrol	Rudy Domingo Jose Matinong Joeman Mangga Faustino Guillermo	Despite a previously received report about the illegal cutting of a Laua-an tree, the team did not find any signs of illegal activities during 2 nights of monitoring at the area.
April 10-11, 2016 7:00 AM	Sitio Burabod, Sebaste, Antique	Monitoring	Armelito Ebon Jr. Jose Matinong Faustino Guillermo Rudy Domingo	The team could not find any signs of the previously reported electro fishing during an overnight monitoring at the respective area.
April 12-13, 2016 8:00 AM	Brgy. Tabuc, Libertad, Antique	Foot patrol Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	During an overnight operation after having received information from a concerned citizen, the team did not find any timbers but only the remaining slabs of a

				poached Galugo tree.
April 20, 2016	Brgy. Centro Sur, Pandan, Antique	Turn over Donation	Dr. Enrique D. Sanchez Jr.	A juvenile Crested Serpent Eagle ( <i>Spilornis holospilus</i> ) was donated to us by Mr. Toribio Barrientos Jr. Said bird was then brought to the Mag-aba Rehabilitation Center for proper care.
May 1-2, 2016 8:00 PM	Brgy. Bulanao, Libertad, Antique	Monitoring	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo	Despite reports about illegally cut timbers to be delivered from the said brgy., the team did not find any signs of illegal activities during their overnight monitoring
May 7-8, 2016 2:00 PM	Sitio Hukhok, Brgy. Duyong, Pandan, Antique	Monitoring Confiscation	Jose Matinong Armelito Ebon Jr. Faustino Guillermo Rudy Domingo Rhea Santillan	The team, alongside PNP Pandan headed by PI Wilfredo S. Hofileña, and DENR Culasi personnel headed by Riza Pelegrino, confiscated 1107 bd. ft. of assorted timber of naturally grown trees, owned by Freddie Fernandez of Brgy. Tingib, Pandan, Antique. Said timbers were turned over to PNP Pandan after scaling and later brought to DENR Culasi for subsequent custody.
May 11-12, 2016 10:30 AM	Sitio Hukhok, Brgy. Duyong, Pandan, Antique	Assessment survey	Jose Matinong Faustino Guillermo Armelito Ebon Jr.	Together with Ruel Cataluña of DENR Culasi, the team conducted an assessment survey at the site where the confiscated illegal timbers came from.
May 26-27, 2016 9:30 AM	Brgy. Sto. Rosario, Pandan, Antique	Monitoring	Jose Matinong Faustino Guillermo	We received information from a concern citizen about ongoing illegal slicing of Tipolo tree, but during the subsequent monitoring only the remaining slabs were found at the area, while the timber and chainsaw had been already taken away by the chainsaw operators and haulers.
June 9-11,	Brgy. Igcagay,	Foot patrol	Jose Matinong	The team conducted an

2016 8:00 AM	Libertad, Antique  NWPP-NP	Monitoring	Faustino Guillermo Freddie Fernandez Rudy Domingo Rene Ebon	operation for 2 days and one 1 night, from Mt. Bulalis to Mt. Tabyaka, but did not find any signs of illegal activities in the area.
June 23-24, 2016 7:00 PM	Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Monitoring Foot patrol	Jose Matinong Faustino Guillermo Rudy Domingo Rene Ebon Freddie Fernandez	Overnight monitoring resulted in the finding of newly cut and sliced Salong trees and 1 Nato tree at Mt. Igcogon, Sitio Calabanog. The resulting timber had presumably been hauled away already. A follow up monitoring by the team has been decided.
June 29-30, 2016 7:00 AM	NWPP-NP	Monitoring Foot patrol	Jose Matinong Faustino Guillermo Edmund Narral Rene Ebon Rudy Domingo	While the team was at Mt. Giob along Bulano River gun fire was heard near the higher portion of Mt. Igpalhe. The team searched the area but found no sightings of illegal hunters.
July 18, 2016	Brgy. San Andres, Pandan, Antique	Monitoring	Jose Matinong Faustino Guillermo Rudy Domingo Freddie Fernandez Rene Ebon	No sign of illegal activities were found during an overnight monitoring conducted by the team.
July 21-22, 2016	NWPP-NP	Foot Patrol Monitoring	Jose Matinong Faustino Guillermo Rudy Domingo Edilberto Malabja Rene Ebon Expedito Paulino	During an overnight monitoring from Bulalis down to Barusbus, Libertad, Antique, the team did not find any traces of illegal activities in the area.
August 1, 2016	Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique	Turnover of Madal	Jose Matinong Rudy Domingo Freddie Fernandez	One concerned citizen from said brgy. informed us about a Madal ( <i>Prionailurus bengalensis</i> ) being kept as pet. The animal was turned over to us and brought to the Mag-aba Reha for proper care and medication by Dr. Sanchez.
August 3, 2016	Brgy. Sta Fe, Pandan, Antique	Sea turtle	Faustino Guillermo Jose Matinong Rene Ebon Rudy Domingo Rhea Santillan Freddie Fernandez	The team, alongside DENR Culasi staff headed by Mr. Denmark Guillermo, and MENRO staff checked an area where a sea turtle nest had been reported. They

				indeed found a sea turtle nesting site. The brgy. officials and the community were informed and advised to monitor the nest until hatching.
August 23-24, 2016	Posio, Libertad, Antique	Monitoring	Faustino Guillermo Rene Ebon Rudy Domingo Freddie Fernandez	The team received information on illegal activities, but did not find any signs during their subsequent operation.
August 30-31, 2016	Brgy. Idio, Sebaste, Antique	Monitoring	Jose matinong Faustino Guillermo Rudy Domingo Joeman Mangga Freddie Fernandez Rene Ebon	
September 18, 2016	Brgy. Jinalinan, Pandan, Antique	Turnover of sea turtle	Dr. Sanchez Jr. Rene Ebon Rhea Santillan	A sea turtle was turned over to PhilinCon (represented by Dr. Sanchez Jr.) and was temporarily brought to Macky Lovina's place at Jinalinan. Because no tags were available, said sea turtle was then released back to the sea after being checked by one of the DENR personnel.
September 26, 2016	NWPP-NP	Foot Patrol	Jose Matinong Faustino Guillermo Rene Ebon Freddie Fernandez Edmund Narral Rudy Domingo	The team received information on illegal activities within the NWPP-NP, but did not find any evidence during the subsequent operation.
9:00 AM	Sitio Calabanog, Brgy. Idiacacan	Turnover of a Crested Serpent Eagle	Dr. Sanchez Jr. Rhea Santillan	A juvenile Crested Serpent Eagle ( <i>Spilornis holospilus</i> ) was turned over to PhilinCon by a concerned citizen from Sitio Calabanog. The bird was then admitted to the Mag-aba Rehabilitation and Rescue Center to be properly taken care of by Dr. Sanchez.
October 4, 2016	Brgys Mag-aba, Duyong and Tingib, Pandan, Antique	Monitoring	Jose Matinong Faustino Guillermo Freddie Fernandez Rene Ebon Rudy Domingo Edmund Narral	Despite a previously received report about illegal fishing at the Sanctuary between the brgys Mag-aba, Tingib and Duyong, the team did not find any illegal fishers during

				their overnight monitoring.
October 11-12, 2016	Igpatuyao, Sebaste, Antique	Foot Patrol Monitoring	Jose Matinong Freddie Fernandez Faustino Guillermo Rudy Domingo Rene Ebon Edmund Narral Edilberto Malabja Expedito Paulino	Our office received information from a concerned citizen about ongoing cutting and slicing of naturally grown trees. But the subsequent overnight monitoring by the team revealed no illegal activities.
October 14-15, 2016	Brgy. Inyawan, Libertad, Antique	Foot patrol Monitoring	Jose Matinong Faustino Guillermo Rene Ebon Freddie Fernandez Edmund Narral Rudy Domingo	We received information about illegally cut timber to be transported, but the subsequent overnight monitoring conducted together with MENRO Libertad found no signs of illegal logging.
October 21, 2016	PhilinCon office, Dioso Library, Pandan, Antique	Orientation on the deputation of WEOs under PhilinCon	Enrique D. Sanchez Jr. Jose Matinong Faustino Guillermo Freddie Fernandez Joeman Mangga Rhea Santillan Rene Ebon Edmundo Narral Benjamin Tacud Jr. Eduard Geronimo Eric Ebon Edilberto Malabja Expedito Paulino Rudy Domingo	An orientation was conducted by the DENR Culasi, Antique. Among the 14 persons that attended the Orientation, six were renewed as WEOs, and another seven became new members. Rudy Domingo was not renewed as WEO because of old age.
October 24, 2016	Brgy. Fragante, Pandan, Antique	Foot Patrol	Faustino Guillermo Jose Matinong Rene Ebon DENR Culasi headed by Melissa Aprentado	We received a report on alleged ongoing slicing of a Narra tree. During one day of foot patrol conducted by the team together with DENR Culasi headed by Melissa Aprentado, no illegal activities were detected.
November 8, 2016	Brgy. Buang, Brgy. Fragante, Pandan, Antique	Foot Patrol	Jose Matinong Edmund Narral CAGFU headed by SSgt. Ramon Malunes	Because of reports about ongoing illegal activities, especially of illegal cutting of natural grown trees like Narra, the team conducted an overnight foot patrol together with the Citizen Armed Forces Geographical Unit (CAFGU), headed by Stop



				Sgt. Ramon Malunes of the Brgy. Sta. Cruz Detachment, passing from Brgy. Buang to Brgy. Fragante.
November 28, 2016	Brgy. Candari, Pandan, Antique	Foot Patrol	Jose Matinong Edmund Narral CAGFU headed by SSgt. Ramon Malunes	The team conducted an overnight foot patrol together with the Citizen Armed Forces Geographical Unit (CAFGU), headed by Stop Sgt. Ramon Malunes of the Brgy. Sta. Cruz Detachment.
December 7, 2016	NPPP-NP	Foot patrol Monitoring	Jose Matinong Freddie Fernandez Faustino Guillermo Rudy Domingo Rene Ebon Edmund Narral	An overnight monitoring conducted by the team did not reveal any illegal activities within the area.



Figs 1-2: Mahogany boat hulls apprehended at Brgy. Inyawan on August 8-9, 2015.





Figs 3-4: Timber apprehended at Brgy. San Andres on September 15, 2015.



Fig. 5: Male Tarictic Hornbill (*Penelopides panini*) turned over to PhilinCon.



Fig. 6: Injured Besra (*Accipiter virgatus*) turned over to PhilinCon.

### 1.3 Animals under the care of PhilinCon, years 2015-2016

by E. Sanchez Jr., DVM & C. J. Schwarz, Project Manager

The rate of PhilinCon's animal admittance is based on the number of animals accepted by our three (3) rehabilitation facilities being maintained in three (3) different locations. Those facilities are under the supervision of the project implementer PanayCon (Panay Eco-Social Conservation Project). In the years 2015 to 2016 most of the animals accepted originated from the northern part of Antique, a few are also from the southern part of the province. Most of the animals were brought for rehabilitation by our partners in conservation (with the same mandate), the DENR offices in Antique: PENRO San José, Rhuel de los Reyes and CENRO Culasi, Cynthia Blancia. Other rehabilitated animals were brought to the rehabilitation centers by conservation-minded citizens and foreigners married to Filipinas, who informed our office about injured wild animals seen in the vicinity of their homes. Others were turned over to the Barangay officials and the Police Station.

In the year 2015 the reha centers received only one male Visayan Tarictic Hornbill (*Penelopides panini*), the most common hornbill on Panay. This species is still common in the forests of the North West Panay Peninsula Natural Park (NWPP-NP). It is the smaller cousin of the Dulungan (*Rhabdotorrhinus waldeni*), which is restricted to the Central Panay Mountain Range (CPMR).

Among the animals which were admitted are:

Mammals: Leopard Cat (*Prionailurus bengalensis*), Golden-mantled Flying Fox (*Pteropus pumilus*), and Long-tailed Macaque (*Macaca fascicularis*).

Birds: Eastern Grass Owl (*Tyto longimembris*), Philippine Serpent Eagle (*Spilornis holospilus*), Brahminy Kite (*Haliastur indus*), and the Visayan Tarictic Hornbill (*Penelopides panini*) already referred to.

Reptiles: Water Monitor Lizard (*Varanus nuchalis*), Reticulated Python (*Python reticulatus*), Green Sea Turtle (*Chelonia mydas*), and Asian Box Turtle (*Cuora amboinensis*).

The reduction of Hornbill confiscation/donation was due to the active operations and visibility of the PhilinCon Forest Ranger patrols in the forests of the NWPP-NP and the CPMR, plus the cooperation and support of concerned and conservation-minded citizens in Antique and Aklan, and the very active work done by the DENR in the offices of PENRO Antique, CENRO Culasi, and PENRO Aklan (extension office in Boracay Island, Malay) in terms of not only rescue/confiscation of wildlife but also against timber poaching that harms the remaining forests of Panay.

#### Media coverage

In September 2016, PhilinCon's rehabilitation facility in Mag-aba, Pandan, was visited by "Amazing Planet", a show broadcast by the cable TV channel "Living Asia". The show, which aired later October of the same year, featured the rehabilitated birds of the project. In November 2016, the TV program "Matanglawin" featured two of our facilities, the Bulanao and the Mag-aba rehabilitation centers. Part of the feature were the conservation activities of the project implementer's (PanayCon) Wildlife Rehabilitation and Release Program.

### Partners in conservation

The marine conservation activities of PhilinCon – law enforcement implementation i.e. wildlife confiscation, and the marine wildlife rescue i.e. marine turtle rescue – is under the auspices of the CAPE Foundation (Conservation and Appreciation of Philippine Ecosystems) of Ms. Macrina “Macky” Lovina, Makati City. This involves IEC’s on marine conservation, protection of reported marine turtle nests, release of rehabilitated sea turtles, and the conservation of marine mammals.

Our conservation work is sealed through a MOA with the DENR Region 6, Iloilo City, of which we would like to mention and thank Regional Director Jim O. Sampulna, CESO III, for the support he had given to the project.

Towards the conservation activities of PhilinCon with regard to the protection of the NWPP Natural Park, fully recognized by the Protected Area Management Board (PAMB), on behalf of the Board of PhilinCon we would like to thank our fellow members of the PAMB, including the PAMB Secretariat headed by PASu Amadonna Raña and former PASu Rhodel Lababit, who supported us in terms of endorsement of our GP, granting of PIC’s from the 5 municipalities, and endorsement of our request for the utilization of fallen trees from inside the Natural Park for the repair of the Sibaliw station.

Table 2: Animals under the care of PhilinCon during the years 2015-2016

### Sibaliw Station

ORIGIN ADMISSION DATE	ANIMAL SPECIES	SEX	RING #	REMARKS
Brgy. Alegre, Sebaste, Antique 2004	Dulungan ( <i>Rhabdotorrhinus waldeni</i> )	male	0031	released in April 2015
Brgy. Idiacacan, Pandan, Antique June 2000	Dulungan ( <i>Rhabdotorrhinus waldeni</i> )	female female	0035 0036	released in April 2015
sent up to Sibaliw May 02, 2008	Visayan Tarictic ( <i>Penelopides panini</i> )	female	0033	
Brgy. Bagumbayan, Pandan, Antique June 6, 2007	Visayan Tarictic ( <i>Penelopides panini</i> )	female	0151	sent up to Sibaliw February 11, 2009
Sebaste, Antique May 24, 2007	Visayan Tarictic ( <i>Penelopides panini</i> )	male	104	
Sitio Bulabog, Brgy. Balabag, Boracay Island Malay, Aklan Sept. 18, 2012	Dulungan ( <i>Rhabdotorrhinus waldeni</i> )	immature male		Surrendered to DENR CENRO PAWCZMS Boracay through PhilinCon by Mr. Toby Mockel, facilitated by Mr. Jason Probyn and Del Nano, owners of Nigui-nigui Resort, Boracay Island, and Mr. Jun Aguirre of the Philippine News Agency



				(PNA). The hornbill was sent to Sibaliw Station after 60 days of quarantine in the Bulanao Reha Facility.
June 20, 2014	Dulungan ( <i>Rhabdotorrhinus waldeni</i> )	immature male & female		Surrendered by Mr. J. Amar of Brgy. Importante, Tibiao, Antique, through the efforts of the Tibiao Fish Spa owner Nick Calawag of Brgy. Malabor. 1 Mortality due to stress caused by environmental factors. Turned over to PhilinCon in a DENR ceremony (DENR Caravan) in Libertad, Antique. Slated to be released in summer 2017

### Bulanao Rehabilitation Facility

ORIGIN ADMISSION DATE	ANIMAL SPECIES	SEX	RING #	REMARKS
Brgy. Calabanog, Pandan, Antique July 2011	Visayan Tarictic ( <i>Penelopides panini</i> ) (nestlings)	male female		Sent to Bulanao in August 2011.
June 20, 2014	Visayan Tarictic ( <i>Penelopides panini</i> )	juvenile juvenile		Turned over to PhilinCon by the DENR during a ceremony in Libertad, Antique. Surrendered to the DENR Office by Nick Calawag.

### Mag-aba Rehabilitation Facility

ORIGIN ADMISSION DATE	ANIMAL SPECIES	SEX	RING #	REMARKS
August 8, 2013	Visayan Spotted Deer ( <i>Rusa alfredi</i> )	juvenile		Turned over by CENRO San José, Antique upon the recommendation of the office of PAWCZMS Region 6 RTD Office (RTD Carlo Custodio), after having been confiscated by the members of the PNP Mobile Group Bugasong, Antique, during their patrol operations in the hinterland Barangays.
July 2014	Serpent Eagle ( <i>Spilornis holospilus</i> )	juvenile		Turned over to PhilinCon, after having been received by our FR/WEO Rudy

				Domingo.
Brgy. Jinalinan, Pandan, Antique Sept. 21, 2015	Besra ( <i>Accipiter virgatus</i> )			Turned over for rehabilitation by Mr. Nicanor Alcantara. Died 24 hours after admittance due to sling shot injury.
Brgy. Jalandoni, Culasi, Antique October 12, 2015	Brown Booby ( <i>Sula leucogaster</i> )			Turned over by Mr. Camilo Alorro. Died on Sept. 14, 2016, probably because of formalin-sprayed fish.
April 11, 2016	Brahminy Kite ( <i>Haliastur indus</i> )	unknown unknown unknown		Turned over by DENR CENRO Culasi.
April 29, 2016	Reticulated Python ( <i>Python reticulatus</i> )	unknown (juvenile)		Turned over by DENR PENRO San José, Antique. Has been released at the same date near NWPP-NP.
Brgy. Botbot, Pandan, Antique April 29, 2016	Serpent Eagle ( <i>Spilornis holospilus</i> )	unknown		Turned over by Mr. Toribio Barrientos. Accidentally released in November 2016.
Sitio Calabanog, Brgy. Idiacacan, Pandan, Antique August 1, 2016	Leopard Cat ( <i>Prionailurus bengalensis</i> )	female (weaned kitten)		Released 5 days after initial admittance near NWPP-NP.
August 6, 2016	Green Sea Turtle ( <i>Chelonia mydas</i> )	nesting female		Found by a resident of Brgy. Sta. Fe, Pandan, Antique. Hatchlings were seen by October 2-6, 2016.
August 20, 2016	Green Sea Turtle ( <i>Chelonia mydas</i> )			Found by a fisherman in Brgy. Idiacacan, having been afloat. Treated with antibacterial and vitamin supplementation. Released after a week of rehabilitation.
September 4, 2016	Leopard Cat ( <i>Prionailurus bengalensis</i> )	male female (kitten, approx. 2-3 weeks old)		Turned over by DENR PENRO San José, Antique. Died September 28, 2016 due to diarrhea caused by sudden change of milk brand.



## 2. Conservation Research: Taxonomy and Biodiversity

### 2.1 Nematomorpha from the Philippines, with description of two new species

by Andreas Schmidt-Rhaesa & Christian J. Schwarz

Horsehair worms (Nematomorpha) are long, slender chitinous worms related to the common roundworms (Nematoda). Pairing adults are known for sometimes assembling in balls reminding of the legendary gordian knot. The adults live freely in streams, where they pair and reproduce. They pass through an aquatic larval stage which encysts in water insects. The water insect larva needs to metamorphose into an aerial insect, which, in case it gets captured by an invertebrate predator, allows for a host switch by the parasite to take place. Humans are not affected. The larva then develops into a juvenile worm. When about to molt to adulthood, the worm tricks by a yet unknown mechanism the host into searching for water and begins the aquatic life of adults, leaving the dying host behind.

The Philippine nematomorph fauna is only poorly known, with only one species being reported from the archipelago. We report here several records, almost all from Panay Island (**App. 3**). Two species, *Gordius jorriti* and *Acutogordius finni* (Fig. 7), are described as new for science. Two species of *Chordodes*, *C. caledoniensis* and *C. cf. moutoni*, were also found. Some specimens from the genera *Gordius*, *Acutogordius* and *Chordodes* could not be determined to species level.



Fig. 7: *Acutogordius finni* n. sp. in dry riverbed of Bulanao river

## 2.2 Update on *Tagalomantis manillensis* (Saussure), with description of the female and comments on its systematic placement and life history (Insecta: Mantodea: Deroplatyinae)

by Christian J. Schwarz

Biogeographic connections across Philippine faunal regions unrelated to Pleistocene Island Complexes are being detected on a regular basis since a few years (see previous Annual Report). One such unexpected relationship is the biogeographic connection between Panay and Luzon, most famous in this regard being the monitor lizard subgenus *Philippinosaurus*, with one species on Panay (Mabitang) and two species on Luzon. A poorly studied praying mantis, *Tagalomantis manillensis* (Saussure, 1870) (Fig. 8), known only from three males last collected around a century ago in Laguna Province and Manila, has been discovered by our Project Manager on the NWPP and other areas on Panay (**App. 4**). The female and the ootheca of the species are described and illustrated for the first time. The male is re-described in detail. Although locally relatively abundant, it is confined to primary and old secondary rainforests and threatened by habitat loss. The morphology and life history of Panay populations are outlined, aiding in future recognition. The name *Euchomenellini* Giglio-Tos, 1916 is proposed for the oriental members of *Angelinae* (*Euchomenella*, *Indomenella* and *Tagalomantis*). Morphological and genital characters support a placement of *Euchomenellini* among *Deroplatyinae*, a southeast Asian subfamily of plant-mimicking mantises. A key to the genera of *Deroplatyini* concludes the study.



Fig. 8: Copulating pair of *Tagalomantis manillensis*



### 3. Behavioural Ecology

#### 3.1 Avian resource defense against an insect competitor and a cognition problem

by E. Curio

An account is given on the defense of a food resource by a male of the partially nectar-feeding Orange-bellied Flowerpecker (*Dicaeum trigonostigma australe*) against the globally biggest carpenter bee (*Xylocopa latipes*) on Panay Isld., Philippines. In the process, the bird attacked the bee physically while it was feeding on the inflorescences of the tree *Nauclea orientalis* (Rubiaceae) also exploited by the defending male and a nearby female. In addition, the defender chased the bee in flight, thus preventing it from landing on the flowers for feeding. The female remained indifferent to the bee, even feeding beside it on the same flower. The underlying cognitive achievement is best understood by assuming an intruder ‘action-based’ threat recognition rather than an intruder ‘identity-based’ threat recognition. It is only through an ‘action-based’ model of cognition that birds (and fish) are thought to utilize the knowledge underlying a species-specific resource defense. An innate ‘identity-based’ object recognition for select community members is known to exist in many cases, but it would probably not accrue the necessary flexibility to resource defense tailored species-specifically to hundreds of species of arthropod nectarivores included, as such defense is known to be cutting even across animal phyla and thus exacerbating the cognitive problem for the defender if based on an intruder ‘identity-based’ recognition.

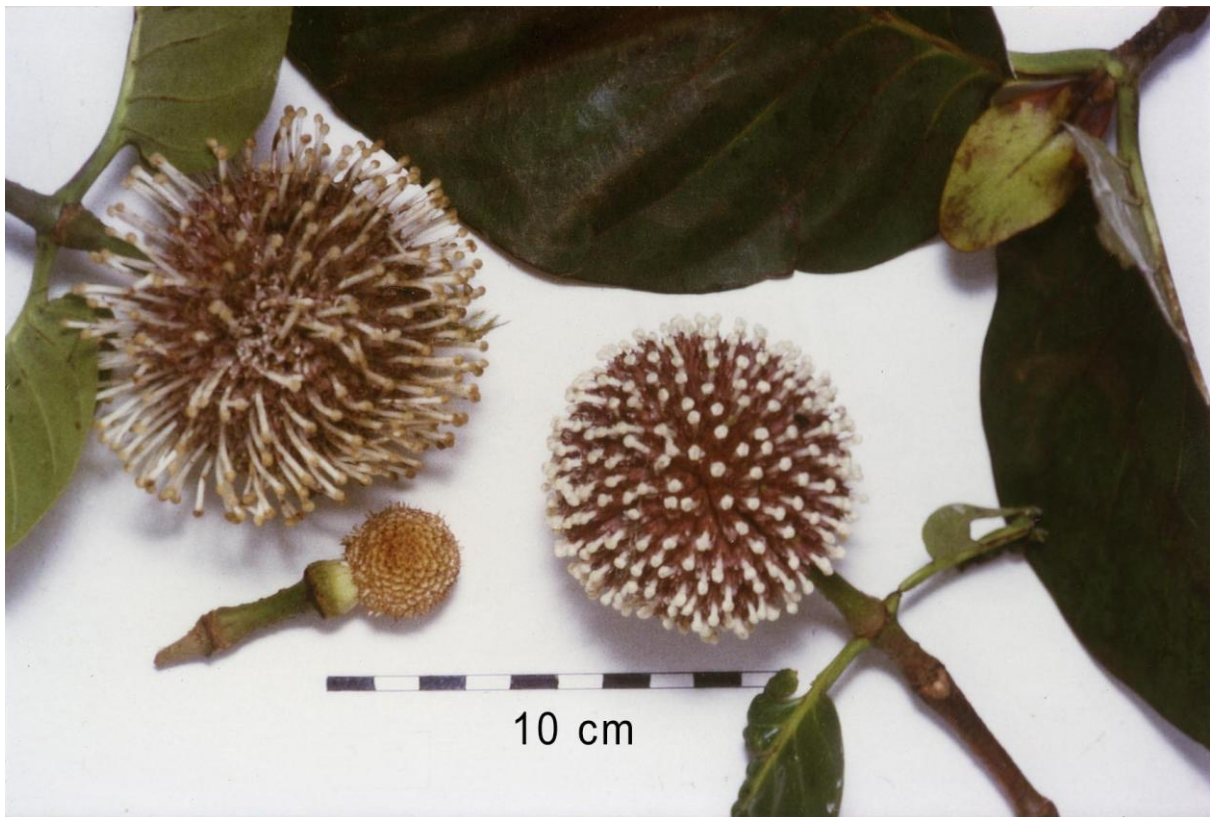


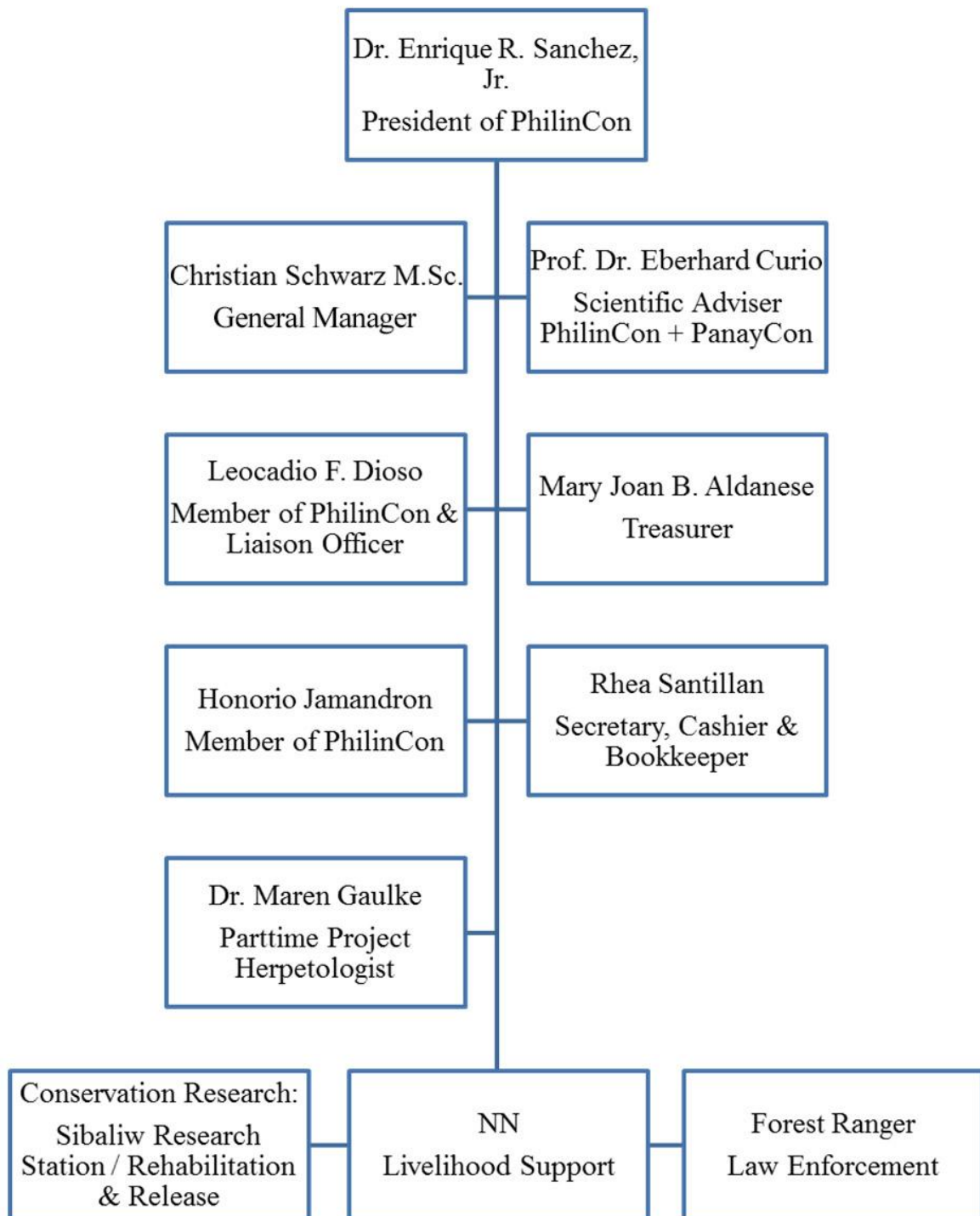
Fig. 9: Inflorescence of *Nauclea orientalis*

### Appendices 1 – 5: Overview

App. 1	Staff of PhilinCon	Organizational Structure and Staff
App. 2	Rhea Santillan	Visitors of Research Station ‘Sibaliw’
App. 3	A. Schmidt-Rhaesa & C. J. Schwarz	Nematomorpha from the Philippines, with description of two new species. Zootaxa 4158, 2016: 246-260 + Erratum
App. 4	C. J. Schwarz	Update on <i>Tagalomantis manillensis</i> (Saussure), with description of the female and comments on its systematic placement and life history (Insecta: Mantodea: Deroplatyinae). Stuttg. Beitr. Naturk. A, N. S. 10, 2017: 19-39.
App. 5	E. Curio	Avian resource defence against an insect competitor and a cognition problem. Ecol. Birds (Ökol. Vögel) 35/36, 2013/2014 (2017): 117-126.

## **Appendix 1**

# Organizational Structure of PhilinCon



## **Appendix 2**

**VISITORS OF SIBALIW RESEARCH STATION**  
**Years 2015-2016**

<b>Name Affiliation</b>	<b>Date</b>	<b>Reason for Visit</b>
Suntke Gerriets <i>Student of Ruhr-Universität Bochum</i>	February 4, 2015	Observing bees
Rabea Kühn van Geldern <i>Student of Ruhr-Universität Bochum</i>	February 4, 2015	Observing mantises
Charlotte Fries <i>Student of Ruhr-Universität Bochum</i>	February 4, 2016	Observing geckos
Brendan Sloan <i>London LGU Officer</i>	March 10, 2015	Birding
Kristin Hagel <i>Former student of Prof. E. Curio</i>	July 2, 2015	Visit station and station staff
Philip Alviola <i>Faculty member of UP Los Baños</i>	September 12, 2015	Accompany Prof.Dr. Curio Recon for future / possible reseach
Jeremy Naredo <i>Researcher/student of UP Los Baños</i>	September 12, 2015	Accompany Prof.Dr. Curio Recon for future / possible reseach
James Alvarez <i>Researcher/student of UP Los Baños</i>	September 12, 2015	Accompany Prof.Dr. Curio Recon for future / possible reseach
Neil Lobite <i>Researcher/student of UP Los Baños</i>	September 12, 2015	Accompany Prof.Dr. Curio Recon for future / possible reseach
Camila Meneses <i>Researcher/student of UP Los Baños</i>	September 12, 2015	Accompany Prof.Dr. Curio Recon for future / possible reseach
Dave Willis <i>United Kingdom</i>	February 4, 2016	Bird watching
Charles Davies <i>United Kingdom</i>	April 5, 2016	Bird watching
Stijn Cooleman <i>Belgium</i>	April 17, 2016	Bird watching
Michael Kearns <i>Australia</i>	April 20, 2016	Bird watching
Andy Wilkes <i>United Kingdom</i>	July 2,2016	Bird watching
Prof. Dr. Eberhard Curio <i>Project Founder/Scientific Adviser</i>	September 5, 2016	Project Visit

Prepared by: Rhea A. Santillan  
Project Bookkeeper



## ''''''''''''''''Appendix 4

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