

**ANNUAL REPORT
CENTRE FOR SUSTAINABILITY
2014**



May 2015

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GENERAL INFORMATION

NETHERLANDS

Trade name: Centre for Sustainability
Legal name: South Sea Exclusive Foundation

Address: Oude Bennekomseweg 23
6706 ER Wageningen
The Netherlands

KvK number: 09184147

Fiscal number: 819612030
Email address: info@centreforsustainability.org
Website: www.centreforsustainability.org
Telephone: + 31 6-24749738

PHILIPPINES

Trade name: Centre for Sustainability
Legal name: Southsea Exclusive Philippines Inc.

Address: Bgy Sta Lucia
Puerto Princesa City
5300 Palawan

SEC number: CS200910319
TIN number: 007-326-723
SEP Clearance: HAN-022610-018
Wildlife Farm Permit: 2013-001

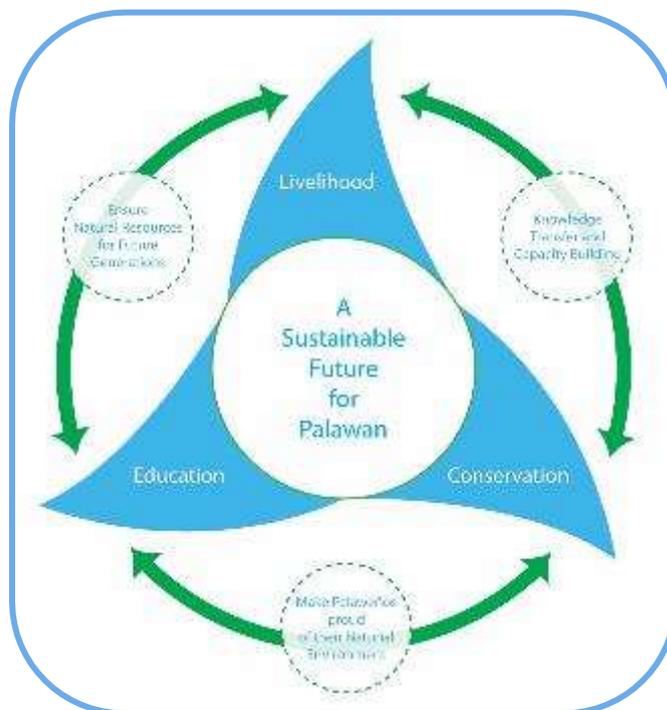
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INTRODUCTION

The Centre for Sustainability is a non-profit organization working on sustainable development in Palawan, the Philippines. We are operating as social entrepreneurs and we focus on contributing to the creation of a sustainable future for Palawan through the execution of projects that are practical, environmental friendly and long lasting. With our style of developing and implementing sustainable projects, we aim to serve as a blueprint for sustainable development in other areas of the Philippines. Our mission is to contribute to **“A Sustainable Future for Palawan”**, through:

- **Livelihood:** Creating sustainable livelihood initiatives for coastal and upland communities.
- **Conservation:** Protect and restore coastal and upland ecosystems.
- **Education:** Making people more aware of the importance of our natural resources.

We believe that an integrated approach of these three focus areas is required to carry out our mission of contributing to a sustainable future for Palawan as is seen in the figure below.



The Centre works together with local partner organizations like the Philippine Coastguard Auxiliary, the Palawan Council for Sustainable Development, the City Government of Puerto Princesa, local universities and NGOs. By bringing together the knowledge, skills, and experience of local organizations with the vast knowledge present at international institutes like Wageningen University and Research Centre, the Centre for Sustainability is able to develop projects that are more effective and better adapted to local needs.

BOARD MEMBERS

NETHERLANDS

- 1) Jonah van Beijnen (Chairman)
- 2) Kyra Hoevenaars (Secretary)
- 3) Dirk de Wit (Board member)

PHILIPPINES

- 1) Al Gonzales BSc. (Corporate Secretary and Hatchery Manager)
- 2) Jenny Rose Bagain BSc. (President)
- 3) Sharon Rose Charity Sumibacay Salazar M.D. (Treasurer)
- 4) Jonah van Beijnen BSc. (Vice-President)
- 5) Kyra Hoevenaars MSc. (Board member and Executive Director)

PARTNERS & ASSOCIATES

AMPHIBIAN SURVIVAL ALLIANCE

The Amphibian Survival Alliance (ASA) is a global partnership for amphibian conservation. This growing consortium of organizations and institutions is committed to thoroughly implement the global Amphibian Conservation Action Plan (ACAP). The Alliance is the major force for the conservation of amphibians globally and will bring focus, coordination, and leadership to address the world's most serious extinction crisis. ASA is a strategic partner, they provide technical and scientific input and funding support.

PALAWAN COUNCIL FOR SUSTAINABLE DEVELOPMENT

The Palawan Council for Sustainable Development (PCSD) is a multi-sectoral and inter-disciplinary body, which under the law is charged with the governance, implementation and policy direction of the Strategic Environmental Plan for Palawan which aims to promote development, conservation, management, protection and utilization of the natural resources of Palawan for the present and future generations. The PCSD is our main local partner for our proposed Cleopatra's Needle Forest Reserve. They provide technical assistance, project management, permits and legal advice to our organization.

PUERTO PRINCESA CITY GOVERNMENT

This local government unit has developed itself under the excellent leadership of Mayor Edward S. Hagedorn and the City's new Mayor Lucilo R. Bayron, as a role model in ecotourism and sustainable developing. The official mission of the city government is to be a model city in sustainable development exhibiting the character of a city is a forest embodying the balance and harmony between development and environment. The City Government of Puerto Princesa is our main partner for the grouper hatchery and livelihood program.

NATIONAL MUSEUM OF THE PHILIPPINES

The National Museum of the Philippines is the official repository established in 1901 as a natural history and ethnography museum of the Philippines. We have teamed up with the herpetology section of this museum, which is led by Dr. Arvin Diesmos. His research focuses on systematics, ecology, biogeography, and conservation of amphibians and reptiles in the Philippines and the rest of Southeast Asia. He is a member of the Amphibian Specialist Group, Tortoise & Turtles Specialist Group, Crocodile Specialist Group, and the IUCN Amphibian Red List Authority. The National Museum provides scientific and technical input and partner in the implementation of our research projects.

KATALA FOUNDATION

The Katala Foundation is a non-profit, non-stock and non-governmental organization and is active in protecting and conserving wildlife, particularly the critically endangered Philippine Cockatoo (*Cacatua haematuropygia*, local name: Katala), the Philippine Forest Turtle (*Siebenrockiella leytensis*) and other threatened endemic wildlife in the Philippines. The Katala Foundation provides scientific and technical input and partner in the implementation of our research projects.

WESTERN PHILIPPINES UNIVERSITY

The Western Philippine University is a state higher education institution with main campus located at San Juan, Aborlan, Palawan, commits to develop quality human resource and green technologies for a dynamic economy and sustainable development through relevant instruction, research, and extension services. The WPU provides qualified students to carry out their internship or thesis for research projects.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

The Department of Environment and Natural Resources is the government agency responsible for the conservation, management, development, and proper use of the country's environment and natural resources. The DENR's mission is to be the driving force in the pursuit of sustainable development, enabling stakeholders' participation in the protection, conservation, and management of the environment and natural resources for the present and future generations. DENR is tasked to formulate and implement policies, guidelines, rules and regulations relating to environmental management and pollution prevention and control. Through the Protected Area Management Enhancement program, DENR supports our project to set up the Cleopatra's Needle Forest reserve.

RAINFOREST TRUST

Rainforest Trust protects threatened tropical forests and endangered wildlife by partnering with local and community organizations in and around the areas that are being threatened. They empower local people to help protect it by offering them education, training and employment. Rainforest Trust is our main donor origination for the proposed Cleopatra's Needle Forest reserve.

GLOBAL WILDLIFE CONSERVATION

Global Wildlife Conservation (GWC) protects endangered species and habitats through science-based field action. GWC has built its success upon a foundation of excellence in Exploration, Research and Conservation. GWC supports our organization on many levels; fund raising, provision of financial assistance, technical advice and networking.

GERMAN DEVELOPMENT COOPERATION (GIZ)

GIZ offers customised solutions to complex challenges. They are an experienced service provider and assist the German Government in achieving its objectives in the field of international cooperation. They offer demand-driven, tailor-made and effective services for sustainable development. GIZ provides both technical assistance and funding to our projects in the proposed Cleopatra's Needle Forest Reserve.

STARTLIFE

Startlife is a Dutch foundation in collaboration with Wageningen University and Research center that supports starting entrepreneurs that work in agro, food and environment sector. Startlife have supported us since the start of our organization with financial, moral and technical support.

THE OTTERFUND FOUNDATION

The Otterfund Foundation is a small private foundation from the Netherlands. They have provided us with funding for our grouper hatchery project as well as a research project on the mammals in the proposed Cleopatra's Needle Forest Reserve.

DEPARTMENT OF ENVIRONMENT, FOOD AND RURAL AFFAIRS (DEFRA) & FAUNA AND FLORA INTERNATIONAL

DEFRA is the UK government department responsible for policy and regulations on environmental, food and rural issues. Fauna and Flora International acts to conserve threatened species and ecosystems worldwide, choosing solutions that are sustainable, based on sound science and take into account human needs. The Save the Alcaicga project is funded through the Flagship Species Fund of the Department of Environment, Food and Rural Affairs (DEFRA) and Fauna and Flora International.

BUREAU OF FISHERIES AND AQUATIC RESOURCES

The Bureau of Fisheries and Aquatic Resources (BFAR) is the government agency responsible for the development, improvement, management, and conservation of the country's fisheries and aquatic resources. The bureau has its office under the Department of Agriculture. The BFAR provides technical assistance, education, and training services for our Grouper Hatchery and Livelihood project.

PROJECT ACTIVITIES

GROUPEL HATCHERY

Overfishing, unsustainable fishing, illegal fishing; we all know it is happening, but what can we do about it? Here in Palawan, the impact is very visible, fishermen have difficulties catching enough fish to provide for their families and fishes on the market are getting smaller and smaller. Sixty percent of the population is dependent on marine resources as a main source of income for their livelihood. Marine resources are getting scarcer and coral reefs are under pressure, action is needed!

To provide a solution, the Centre for Sustainability, in cooperation with the City Government of Puerto Princesa, has been working since 2010 on the development of a hatchery and nursery protocol for different grouper species and by now, we can proudly say that we operate the first hatchery and nursery facility for four species of grouper in the Philippines. Two of these species are produced on a monthly basis and sold to livelihood programs all over the country. By growing the fingerlings to market size in 8 to 10 months, grouper farmers are able to have a good and stable income.

In June 2014, we broke all our own records and produced a total of 24,000 fingerlings of Green and Tiger Grouper. The fingerlings are sold to growers in different municipalities in Palawan as well as other provinces of the Philippines. Growers that engage in sustainable mariculture instead of unsustainable fisheries contribute to a decrease in pressure on the wild fisheries and coral reefs and are setting an example for others in their community.



Left and right: Orange spotted Grouper fingerlings in the nursery tank.



Packing for air transport.



Inspection at the airport by the enforcement team of the Palawan Council for Sustainable Development.

EGG PRODUCTION

Date	Number of eggs (x1,000)	Source	Species
1/1/2014	840	BFAR	Tiger grouper
1/27/2014	108	CS	Green grouper
1/28/2014	30	CS	Green grouper
2/7/2014	600	Seafdec	Tiger grouper larvae
3/1/2014	72	CS	Tiger grouper
3/28-4/1 2014	2,400	CS	Green grouper
3/30/2014	780	CS	Tiger grouper
4/29/2014	3,600	CS	Tiger grouper
6/4/2014	300	BFAR	Tiger grouper
7/1/2014	192	BFAR	Tiger grouper
7/2/2014	144	BFAR	Tiger grouper
7/26/2014	72	BFAR	Malabar grouper
7/26/2014	156	BFAR	Green grouper
7/27/2014	312	BFAR	tiger grouper
8/27/2014	600	BFAR	Tiger grouper
8/25/2014	348	BFAR	Green grouper
9/23/2014	912	BFAR	Malabar grouper
9/27/2014	360	BFAR	Tiger grouper
Nov 23,2014	252	BFAR	Tiger grouper
Nov 24,2014	276	BFAR	Tiger grouper
Dec 22,2014	336	BFAR	Tiger grouper

PRODUCTION

Month	# of fingerlings produced
January	570
March	523
June	10,256
July	10,364
August	3,432
September	3,577
October	3,600
November	1,372
December	5,423
Total	39,117

BENEFICIARIES

Name	Location
GEM Mindanao (several growers)	Mati, Davao, Mindanao
GEM Mindanao (several growers)	Banay, Davao, Mindanao
GEM Mindanao (several growers)	Boston, Davao, Mindanao
GEM Mindanao (several growers)	Baganga, Davao, Mindanao
GEM Mindanao (several growers)	Gov. Gen, Davao, Mindanao
Ms. Theresa Cuyos	Sta Lucia, PPC, Palawan
Mr. Rodel Ong	Sta Cruz, PPC, Palawan
Ms. Imelda Pay	Sta Cruz, PPC, Palawan
Mr. Mark Law	Sta Lucia, PPC, Palawan
Ramil Nolsol (several growers)	Taytay, Palawan
TAVI-COMFAS (several growers)	Pangasinan, Mindanao
Mr. Ralph Ceniza	Cebu, Visayas
Mr. Seracarpio	Puerto Princesa, Palawan
GrandCatch Inc.	Bataan, Luzon
Mr. Jun Cruz	Taytay, Palawan
Mr. Vincent Carlos	Taytay, Palawan
University of Sto Thomas	Manila

RELEASE IN MARINE PROTECTED AREAS

In this reporting period the following fingerlings have been released in Marine Protected Areas:

Date	No. of fingerlings	Species	Destination
June 2014	+/- 2,000	Green Grouper	Sta Lucia, PPC
7/16/2014	500	Green grouper	Boayan Island, San Vicente

TRAINING AND ASSISTANCE GROUPEY FARMERS

In 2014, we have trained and/or advised 35 farmers from 21 farms. The farms are located in 17 sites in Palawan and Mindanao. We have provided farmers with a training manual, assisted in setting up the cages, helped them stocking the fingerlings, and we are still providing support and advise for the duration of the grow out period. Most clients are LGUs or NGO funded Livelihood programs.



From the airport fingerlings are transported by truck to the farm site. On the picture they are unloading the boxes with the fingerling from the truck.



Repacking the fish. Fingerlings can stay in a plastic bag with water and oxygen for around 12 hours. If the journey takes longer the fish will be reoxygenated or repacked.



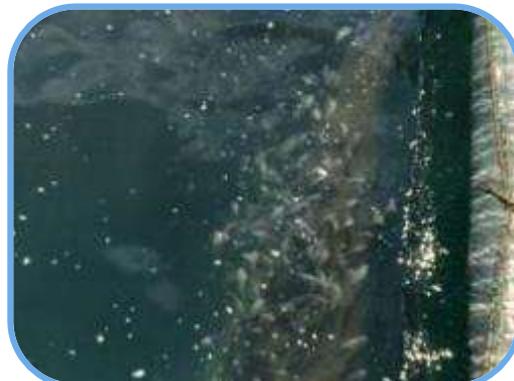
Floating cages with guard hut.



Lifting the net for inspection.



Cage staff on the floating sea cages made of wood from coconut trees.



Tiger grouper fingerlings stocked in the floating sea cages.

FOREST CONSERVATION

The lush island province of Palawan (approximately 12,000 km²) is located in the southwest of the Philippines. Due to a relatively low population density, the island has been spared from the major deforestation tragedy that took place in the rest of the Philippines, and approximately 50% of the primary forests in the province remain. Palawan has received international recognition by UNESCO as a Biosphere Reserve and it contains two World Heritage Sites. Nevertheless, the island remains relatively understudied and its forests are currently diminishing quickly.

There is a silver lining though: Puerto Princesa. This progressive municipality located in the middle portion of the island covers around 20% of province and holds a forest cover of 65%. Puerto Princesa contains one national park (Puerto Princesa Subterranean River National Park - 22,000 hectares) but approximately 80,000 hectares of pristine forest neighboring the park remains unprotected. The center of this large forest is shaped by Cleopatra's Needle (1,593 MASL), the highest peak of Puerto Princesa and surroundings. This area is a real biological gem, it is the last safe haven for countless endemic species, and it functions as an important corridor for species crossing the island. A large part of the area represents the ancestral lands of four communities of indigenous people. The members of these communities depend on the forest resources for their livelihood, including Almaciga resin, honey, and rattan. To protect the cultural and traditional practices of these communities, it is critical that the area is preserved. The area serves furthermore as the largest watershed in the municipality and provides water for approximately 30% of the residents in the municipality.

For these reasons, the Centre for Sustainability in collaboration with the Palawan Council for Sustainable Development and its other partners, propose to preserve a large proportion of the forest area (35,000 hectares) through the creation of Cleopatra's Needle Forest Reserve as a Critical Habitat under PCSD Resolution No. 13-481 as an amendment to Section 50 of Administrative Order No. 12, Series of 2011.

The main mission of the project is:

“Preserve the natural resources for future generations of Indigenous Peoples, protect the largest watershed area of Puerto Princesa City, and safeguard the existence of countless locally endemic species by creating the Cleopatra's Needle Forest Reserve as a Critical Habitat”



To achieve the mission and to ensure the long-term sustainability of the project we will accomplish six goals:

- I. Implement a delineation program to identify and mark the remaining forest and other valuable habitats on and around Cleopatra's Needle that will form the proposed Cleopatra's Needle Forest Reserve.
- II. Create an efficient management plan for the proposed forest reserve that serves as a guideline for the groups responsible for the management of the area.
- III. Increase the efficiency of law enforcement in the area through the capacity-building of forest wardens and deputy forest wardens.
- IV. Create a sustainable livelihood for members of the Batak Tribe in the area through ecotourism activities.
- V. Implement a research program (incl. an educational component) to get a better understanding of different endemic and endangered species, their range, population status, habitat, ecology, and threats to their existence.
- VI. Execute the 'Save the Almaciga project'.



ACTIVITIES

Fundraising

We have raised funding for all 5 goals of the project. For the first 3 goals we arranged funding through the Amphibian Survival Alliance. The funds, donated by Rainforest Trust, will be managed by Global Wildlife Conservation. For goals 4 to 6 we have secured funding from the following donors; German Development Corporation, Fauna and Flora International, Global Wildlife Conservation, The Otterfund Foundation and support from Idea Wild.

Partners

We have made arrangements with the following local organizations to partner in the project:

- Palawan Council for Sustainable Development
- Department of Environment and Natural Resources
- Katala Foundation
- ABS-CBN Foundation
- National Museum of the Philippines
- Western Philippines University
- National Committee for Indigenous Peoples
- ELAC- Environment Legal Assistance Center

Palawan Council for Sustainable Development

On October 8, 2014 we signed a Memorandum of Agreement with the PCSD to formalize our collaboration. We will be working together on all aspects of the project; establishment of protected area, management of the area, law enforcement system, livelihood projects and research activities.



Executive Director of PCSD, Nelson Devanadera, and Kyra Hoevenaars signing the MOA with witnesses from PCSD, the Centre for Sustainability and Richard Abendan from USAID (seated in the right).

DENR - GIZ (German Development Organization)

Our application to GIZ- PAME (Protected Area Management Enhancement) has approved our application for a grant of PHP 1.5 million for goal 4 (livelihood) and goal 5 (research). Other than providing the grant, they also provide technical assistance to the project.

Western Philippines University

A MOA between WPU and our organization was signed on September 1, 2014. The purpose of this MOA is to provide a framework for collaboration and implementation of the Student Program of the Centre for Sustainability. Local and international students will conduct research projects in the proposed Cleopatra's Needle Forest Reserve.

ELAC

The Environment Legal Assistance Center (ELAC) consists of a dedicated team of volunteer environmental lawyers that have years of experience in helping communities with legal matters in Palawan. We have strengthened our relationship with the attorneys from this office and have planned a 2-day Forest Warden Training for the Indigenous Peoples in the area. ELAC will provide training material and will facilitate the training sessions. We will also involve law students to promote environmental law among young adults.

Stakeholders meeting

In May 2014, the first stakeholder meeting was organized together with the representatives from the national and local government; Department of Environment and Natural Resources, Palawan Council for Sustainable Development, City Environment and Natural Resources Office, National Committee for Indigenous Peoples and Barangay (smallest administrative division in the Philippines) officials.

The purpose of the meeting was to inform all attendees about the project and discuss procedures and concerns. We have taken the information and concerns gathered at the meeting into account in the proceedings of the creation of the reserve. All in all, it was a very successful meeting with many stakeholders present.

Puerto Princesa Subterranean River National Park Management

On July 25, 2014 we presented our project at the monthly meeting of the Protected Area Management Board (PAMB) of the Puerto Princesa Subterranean River National Park (the protected area neighboring the proposed Cleopatra's Needle Forest Reserve). The park superintendent, Beth Maclang, was eager to expand the National Park with our proposed area after we have successfully created the reserve. The PAMB reacted positive on our efforts to protect the area and decided to task their technical work group to further investigate the possibilities of an expansion and to present their recommendation to the board during the next meeting. The technical work group decided against expansion of the park for the moment, but encouraged us to continue in creating a separate protected area with possibilities for future co-management.

Community consultations

Involving the communities is vital in the successful creation of the Cleopatra's Needle reserve. Through this bottom-up approach all the tribes inhabiting the area are informed and involved in the proposed creation of the protected area. By involving all the tribal members in the project we guarantee the long-term sustainability of the project. To ensure the tribes fully understand the project and to maintain their full support regular community consultations need to take place, which is a time consuming process.

We have carried out several large consultations with the individual communities around the proposed protected area. During these consultations the reasons for the protection of the area, the step-by-step approach and benefits for the tribes are discussed. An important part of the consultations is to give the members of the tribe the possibility to share their opinions and ask questions.

In 2015, the final consultations will be carried out with all four communities with representatives of the National Committee for Indigenous People (NCIP), the government agency implementing the Indigenous Peoples Republic Act. Once we obtain the Free Prior Informed Consents of all communities, the final step is a public hearing after which the area will be declared as a Critical Habitat.

Sitio Kalakuan, Barangay Tanabag

October 24, 2014



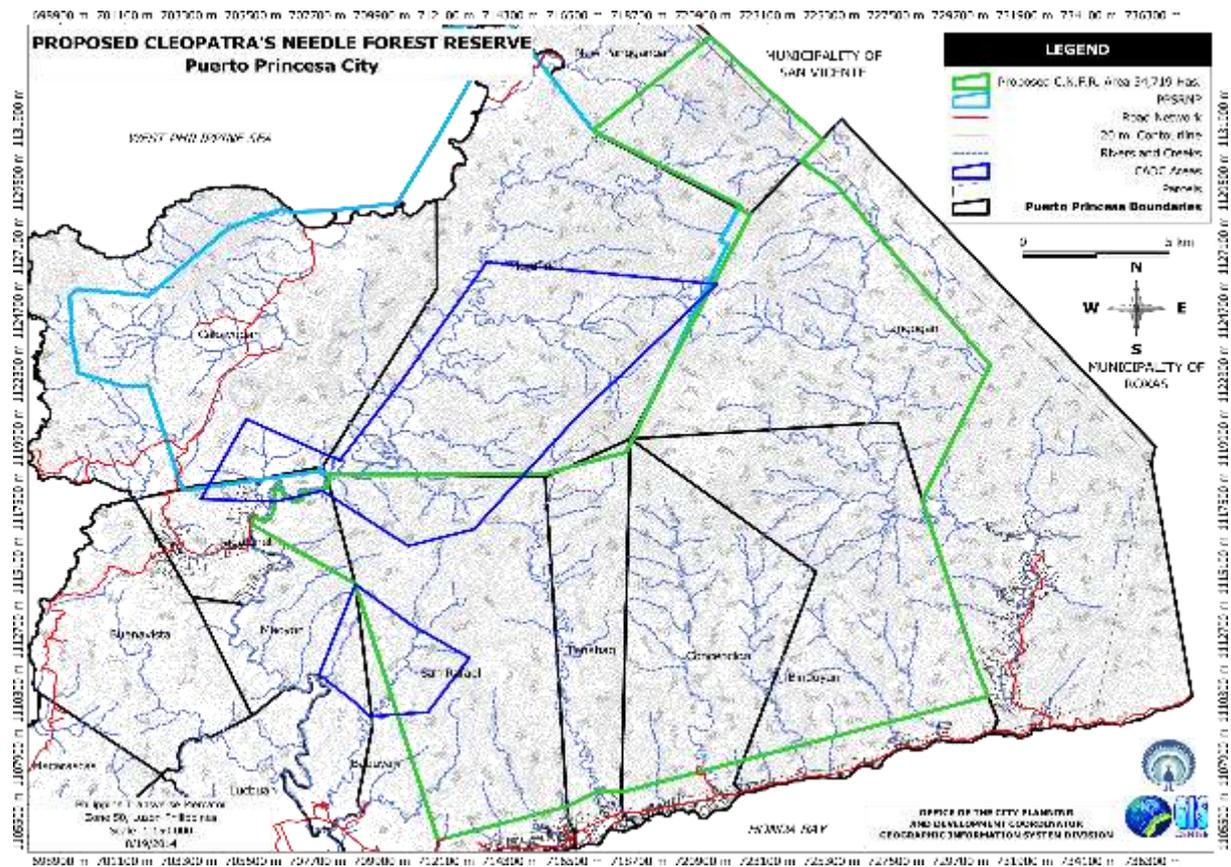
Sitio Kayasan, Barangay Tagabnet

November 13, 2014



Delineation

We have carried out digital delineation of the proposed protected area (see map) including possible conflict areas (Ancestral Domain Claims, Community-Based Forest Management Areas and titled lands). This map will be validated on the ground by PCSD and our Field Manager. Validation will be done through community consultation and field visits.



Rapid Biodiversity Assessment

The Rapid Biodiversity Assessment was executed by a team of local and international scientists to assess the biodiversity of the different species groups present in the area. The expedition was held from December 1 and 14, 2014. Members from relevant government agencies, PCSD and the City Environment and Natural Resources Office (CENRO) also joined the expedition as well as volunteers from the universities and local NGOs.



This expedition was an important requirement in the process of declaring the area as protected by providing the scientific basis for protection. The expedition was very successful with numerous spectacular findings.

Professor Rafe Brown, from the Herpetology Division of the Biodiversity Institute, at the University of Kansas, joined with his colleagues from the National Museum of the Philippines to cover the herpetofauna. Besides officially confirming the rediscovery on the Endangered Palawan Toadlet (*Pelophryne albotaeniata*) at the peak of Cleopatra's Needle, we can confirm another incredible discovery. The Malatgan River Caecilian (*Ichthyophis weberi*) was discovered by Taylor around the beginning on the 20th century. Three specimens of this elusive ground burrowing caecilian were caught, after which the species has never been found again. The holotype was stored at the National Museum of the Philippines but the museum, including the holotype were destroyed during the Second World War. During this expedition we have found this species again and officially confirmed its existence!

The team of entomologist Reagan Villanueva focused on the Odonata (dragonflies and damselflies). They found out that the area contains an extraordinary diversity of Odonata. At least two new dragonfly species were collected and several new species of damselflies. New dragonfly species are seldom encountered and finding four new species in one area is unprecedented. Two of these species are new genus records for the country as well.

The team of Lyca Castro worked on a mammal inventory and all species of endemic small mammals known for Palawan were found in good numbers. Again, this is extraordinary as very little is known about the endemic mice and shrews of Palawan as they are rarely encountered by scientists.

Student research program

Paris Marler from the University of California, Berkeley, and Lyca Castro from Western Philippines University have started working on a project entitled 'Population, distribution and habitat preferences of the Palawan Leopard Cat (*Prionailurus bengalensis heaneyi*), the Palawan Pangolin (*Manis culionensis*), and Asian Small-clawed Otter (*Aonyx cinerea*) in the proposed Cleopatra's Needle Forest Reserve' using camera traps. This is the first time that camera traps are employed in Palawan to study its endemic mammals. Although they just recently started, a tremendous amount of data has been collected. Encountered species include the elusive Palawan porcupine, Palawan Leopard Cat, Asian Small-clawed Otter, Palawan Pangolin, Masked Palm Civet, Crab Eating Macaque and countless small mammals and birds proving beyond doubt the exception biodiversity of the area.



From Left to right; Palawan Leopard Cat, Palawan Pangolin and Masked Palm Civet

Save the almaciga project

Introduction

In the last 50 years, forests in the Philippines have been reduced by almost 70 percent and by now, only 3 percent of the country is covered with primary forest. As part of a larger conservation program we are setting up the Cleopatra's Needle Forest Reserve (approximately 30,000 hectares) in Puerto Princesa, Palawan. The area is a real biological gem, it is the last safe haven for countless endemic species and it functions as an important corridor for species crossing the island. The area is furthermore home to several communities of Indigenous People, the last semi-nomadic tribes of hunter gatherers in the Philippines.

One of the key tree species in the area is locally known as Almaciga (*Agathis dammara*). This ancient coniferous tree, used to dominate the hill forests in northern Palawan and has a big impact on the ecosystem due to its huge size and (previous) high abundance. For the Indigenous People the Almaciga tree is also of tremendous importance as their lives and income revolve around this tree; the tribes travel in groups around the forest to gather the resin of this tree. They sell this resin to traders and it makes up about 80 % of their income. The tree is considered holy as it also provides several benefits, and ownership of individual trees is passed from generation to generation.

Almaciga is rapidly vanishing even though its logging is currently banned by the Philippine government. Since demand for quality tree resin has been rising but the number of collection sites has been decreasing (logging and forest conversion), the Almaciga trees around Cleopatra's Needle have been overharvested due to the influx of outsiders that have come from areas where the trees have

disappeared. Overharvesting causes the trees to become weak, they stop producing fertile seeds (since all nutrients in the tree are used to produce resin) and after a few years the trees collapse. If no action is taken, the future of the Almaciga tree and the livelihood and thus existence of the Indigenous People are very uncertain.

The objectives of the project

- I. Increase the understanding of the role of *Agathis dammara* within the ecosystem;
- II. Increase understanding in the reproductive strategy of *Agathis dammara*;
- III. Raise awareness on the current overharvesting of Almaciga in the communities around Cleopatra's needle;
- IV. Develop sustainable harvest strategies of *Agathis dammara* resin with the Indigenous People by enhancing their knowledge about the reproductive strategy of the species and by increasing their knowledge of different harvesting strategies.
- V. Reforest the area (around 30,000 hectares) around Cleopatra's Needle with *Agathis dammara* seedlings.

Project achievements 2014

Research and Science: Various research activities relating to Almaciga and its propagation has been carried out, including:

- The study of relevant scientific literature.
- Field research. Our team interviewed 4 foresters from Western Philippines University, and 1 forester from Puerto Princesa City Water District regarding their experience with Almaciga. They also visited the nurseries established by these 2 institutions to serve as an example for ours, however, none were growing Almaciga seedlings.

No ecological surveying has been executed, however initial forest surveying has commenced in three Almaciga resin collection sites which surround the indigenous community containing our first nursery. 15 Almaciga trees make up these 3 collection sites, 4 mature and 11 juvenile. The trees in these sites are being monitored for their provision of cones and seeds.

Community organizing: The project has been presented in the first target community (Sitio Kayasan, Barangay Tagabinet) before local community organization SATRIKA which works on initiatives concerning livelihoods. Our nursery manager, has established a relationship with this community through his work.

We have been liaising with the Local Government Unit (LGU) of Barangay Langogan to facilitate the establishment of the second nursery in the indigenous community of this barangay, Manggapin. We have also discussed with the Manggapin tribal chieftain who has expressed a strong interest in having the nursery established in his community.

Nursery construction: An experimental nursery has been established in the first target community, Sitio Kayasan in Barangay Tagabinet. Currently there are only 20 seedlings growing in the first nursery.

Seed collection: Initial work on seed collection has been made. Based on the scientific literature, the Almaciga fruit once a year during February and March. However, upon commencing the project, information provided from communities and other on-the-ground efforts demonstrated that these fruits ripen all year round but seed collection is optimal during the second half of the year (June-December). As seed collection provides the entire basis for the establishment of successful nurseries, our Nursery Manager has taken advantage of this opportunity to commence seed collection immediately. He has succeeded in finding germinating Almaciga seeds in the forest which were replanted in the nursery, and are under continuing observation.

Planned activities

- I. Implement a research program to increase understanding of the role of this tree species and the ecosystem and how to best execute a reforestation program for this species;
- II. Execute an environmental education program in 12 schools (1,000 children) around the proposed reserve to enhance the awareness and understanding of the children concerning their terrestrial environment and stimulate them to protect their natural resources (with Almaciga as a central theme);
- III. Execute a training program for the Indigenous Peoples to increase their awareness of the reproductive strategy of the species and different harvest strategies.
- IV. Construct an Almaciga nursery and reforestation program (5,000 seedlings to start) in collaboration with the IP communities.

Other activities

Foundation day barangay Binduyan

On July 17, barangay Binduyan, one of the Barangays in the proposed Forest Reserve, celebrated their Foundation Day and we were asked to attend and organize some activities. We took this chance to promote the Cleopatra's Needle Forest Reserve with the community. At the start of the day our project manager Jessa Garibay spoke to the participants and explained our project.

We brought a 'Face in the hole' featuring Cleopatra's Needle. The art work was done by young local artists who volunteered their time to this good cause.

Additionally, we sponsored a basketball team with shirts with our logo that won the competition, and organized some bonding games.



Financial training for Batak Tribe

After a few visits and talks with the Chieftain of the Village, Teodorico Villanueva, we identified some of the needs of the community when it comes to our outreach program. The Chieftain mentioned that there is a need for them to know more about handling their money and utilizing their budget properly. Also, the amount of tourists coming in their area pose as threats when it comes to the amount of garbage that gets near their sources of water and livelihood.

With all these in mind, the team at Centre for Sustainability prepared an introductory lecture regarding Finance, as well as a review regarding waste management, and its impacts to their immediate environment. The members of the tribe listened attentively as we presented ways of tracking their income and expenses through keeping a cash log, and participated enthusiastically as we let them guessed how long certain kinds of trash decompose. The Chieftain was also present during the lecture and was happy at the end of it. It was attended by the village community members and the children were also present especially during the activities.



Eco-tourism seminar in Kalakusan

CONSULTANCY PROJECTS

WWF- PARTNERSHIP PROGRAM TOWARDS SUSTAINABLE TUNA FISHERIES

April 2013-December 2014

As the Supply Chain Manager of the program, Jonah van Beijnen gives technical and administrative advice on improving the quality and traceability of the supply chain.

FINANCES

DONORS

We are very grateful for the support of our donors to our projects. In the following table the contributions to our projects from the respective funding agencies and donors is shown.

Project	Funding agency	Amount paid
Grouper Livelihood Program	The Otterfund Foundation	EUR 20,000
Cleopatra's Needle Forest Reserve	Global Wildlife Conservation/Rainforest Trust	USD 50,000
	German Development Cooperation	PHP 404,873
	Global Wildlife Conservation	USD 4,500
	Pozible Crowdfunding	EUR 2856
Student Research program	Student contributions	EUR 1,000
	The Otterfund Foundation	EUR 5,000
	Ideal Wild	6 camera traps in kind
Save the Almaciga project	Fauna and Flora International	PHP 1,016,652

NETHERLANDS

Balance sheet

Balance sheet Stichting South Sea exclusive	Dec 31, 2014
ASSETS	EUR
Current Assets	
Checking/Savings	
1110 · Petty cash	4.00
1200 · Bank	25,093.10
Total Current Assets	25,097.10
Fixed Assets	
1410 · Investment in SSE Phil's Inc	9,500.00
Total Fixed Assets	9,500.00
TOTAL ASSETS	34,597.10
LIABILITIES & EQUITY	
Liabilities	
Long Term Liabilities	
2400 · Loan POC startlife	45,175.44
Total Liabilities	45,175.44
Equity	
3100 · Retained Earnings	-21,093.00
3600 · Owner s equity	585.00
Net Income	9,929.66

Total Equity	-10,578.34
TOTAL LIABILITIES & EQUITY	34,597.10

Profit and loss statement

Profit and loss statement Stichting South Sea Exclusive		Jan - Dec 14
Ordinary Income/Expense		EUR
Income		
4400 · Subsidies and grants Forest		43,811.26
4500 · Subsidies and grants Hatchery		20,000.00
4600 · Donations		230.11
Total Income		64,041.37
Cost of Goods Sold		
5110 · feeds		1,384.07
Total COGS		1,384.07
Gross Profit		62,657.30
Expense		
6200 · Marketing		81.55
6300 · Staff - Grouper project- volunteers		400.00
6500 · Office		21.00
6700 · Materials hatchery		68.00
6800 · Depreciation		278.00
7200 · WWF Sustainable Tuna project		8,900.56
8000 · CNFR		
8004 · rent, utilities, supplies		14.39
8100 · Project staff		236.00
8200 · Goal 1 equipment		500.00
8000 · CNFR - Other		36.67
Total 8000 · CNFR		787.06
8800 · Otter fund research project		1,761.00
9400 · Donation to CS-PH		38,500.00
9535 · Interest loans		1,737.44
Total Expense		52,534.61
Net Ordinary Income		10,122.69
Other Income/Expense		
Other Expense		
9540 · Bank charges		193.03
Total Other Expense		193.03
Net Other Income		-193.03
Net Income		9,929.66

PHILIPPINES
Balance sheet

Balance sheet Southsea Exclusive Philippines Inc.		Dec 31, 14
ASSETS		PHP
Current Assets		
Checking/Savings		
1110 - Petty cash		15,871.29
1200 - Bank		640,149.68
Total Checking/Savings		656,020.97
Other current assets		
Total Current Assets		699,843.87
Fixed Assets		
1410 Office		487,454.01
1420 Hatchery		2,569,485.94
1440 Transportation		24,612.83
1450 Security equipment		64,100.45
1460 Sea cages		1,475,811.04
1480 Generator		174,000.50
1490 Nursery		379,139.65
Total Fixed Assets		5,174,604.42
Other assets		
1710 Start up costs		4,728,632.38
Total other assets		4,728,632.38
TOTAL ASSETS		10,603,080.67
LIABILITIES & EQUITY		
Equity		
3100 - Retained Earnings		-
3600 - Equity: Conversion stock to non-stock		14,537,583.27
Total Equity		10,603,080.67
TOTAL LIABILITIES & EQUITY		10,603,080.67

Profit and loss statement

Profit and loss statement Southsea Exclusive Philippines Inc.		Jan - Dec 14
Ordinary Income/Expense		PHP
Income		
4140 Sales fingerlings		1,307,558.00
4400 - Subsidies		404,873.30
4500 - Donations		3,173,625.00
8001- Grants		1,216,492.40
Total Income		6,102,548.70
Cost of Goods Sold		
5110 - feeds		302,971.75
5140 Health		24,480.00
5225 Eggs and fry		11,066.95
Total COGS		338,518.70
Gross Profit		5,764,030.00
Expense		
6010 - Insurances employees		134,901.00
6100 Freight and handling feeds		12,865.80
6130 Transport sales		167,729.00
6200 - Marketing		6,330.25
6300 - Staff - Grouper project		1,133,341.71
6306 Withholding tax on Professional fees		4,375.00
6400 Travel		77,296.58
6500 - Office		
6520 Utilities		530,190.49
6530 Office supplies		144,095.75
6540 Communication		31,198.00
6550 Other office costs		15,754.00
Total 6500 - Office		721,238.24
6600 Professional fees		68,879.00
6700 - Materials Hatchery		89,419.60
6800 - Depreciation		2,208,622.00
6900 Repair and maintenance		51,427.00
7200 - WWF Sustainable Tuna project		361,455.00
7800 Otter research		19,511.00
7900 Save the almaciga project		57,872.25
8000 - Cleopatra's Needle Forest Reserve		
8004 Rent, utilities, supplies		98,815.45
8005 Telephone		1,698.00
8100 Project staff		842,775.54

8200 Fieldwork and equipment	176,296.00
8400 Livelihood program	3,804.25
8500 Rapid Biodiversity Assessment	353,721.06
Total 8000 · CNFR	1,477,110.30
Total Expense	6,592,373.73
Net Ordinary Income	-828,343.73
Other Income/Expense	
Other income	
7220 Interest bank	282.32
Total other income	282.32
Other Expense	
7500 Taxes	7,996.00
9540 · Bank charges	116.00
9120 Cash difference costs	18,069.69
9999 Suspense unidentified	1,000.00
Total Other Expense	27,181.69
Net Other Income	-26,899.37
Net Income	-855,243.10

MEDIA

ARCHIVE: Centre for Sustainability in the Media - 2014

TV features

- ABS-CBN Palawan television, 29 July 2014. Broadcast in Palawan Province. Jessa Garibay: Representing as an NGO working in Cleopatra's Needle. Explains some of the special features of Cleopatra's Needle.
- ABS-CBN Palawan television, 19 November 2014. TV Patrol Palawan. Al Gonzales and Kyra Hoevenaars features the grouper hatchery in a news item about Life Fish Trading.

Radio features

- 2Ser radio 107.3 FM, *On The Money* show, Sydney AUSTRALIA, 15 September 2014. Broadcast throughout Australia. Also online: <http://www.2ser.com/component/k2/item/11128-sustainable-start-up-away-from-home>
- RMN radio 103.9 FM, Puerto Princesa, 5 August 2014. Broadcast in Palawan Province. Jessa Garibay: Explains the project and goals.

Print features

- Redempto D. Anda, Philippine Daily Inquirer, 14 July 2014, *Scientists seek Mt. Cleopatra protection* (front page on the country's largest newspaper).
Also online: <http://newsinfo.inquirer.net/619334/scientists-seek-mt-cleopatra-protection>



- Digital Newsletter, 13 February 2014, *Rainforest trust announces plan to create 80,000-acre forest reserve in the Philippines to protect wildlife, biodiversity.*
<http://www.digitaljournal.com/pr/1736933>
- The Alliance: Amphibian Survival Alliance Newsletter, January 2014 (Volume 1, Number 1), *Palawan*, pp. 4-5.
http://issuu.com/amphibiansdotorg/docs/asa_newsletter_jan_2014/3?e=2785774%2F6613546
- Ruel Pelone, Businessweek Mindanao, 16 February 2014, *Environmental group eyes forest reserve near Puerto Princesa Underground River.*
<http://www.businessweekmindanao.com/2014/02/16/environmental-group-eyes-forest-reserve-near-puerto-princesa-underground-river/>

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