



Centre for Sustainability

ANNUAL REPORT
CENTRE FOR SUSTAINABILITY
2012



January 2013



CONTENT

| | |
|---------------------------------|----|
| GENERAL INFORMATION..... | 3 |
| INTRODUCTION | 4 |
| BOARD MEMBERS..... | 5 |
| PROJECT ACTIVITIES..... | 6 |
| GROUPER HATCHERY | 6 |
| GROUPER LIVELIHOOD PROGRAM..... | 6 |
| Pilot project | 6 |
| Grow-out program | 7 |
| STUDENT PROGRAM | 7 |
| Thesis students | 7 |
| Internship students | 8 |
| FINANCES | 10 |
| Balance Sheet | 10 |
| Profit and loss statement | 11 |



Centre for Sustainability

GENERAL INFORMATION

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

Telephone: + 31 6-24749738



Centre for Sustainability

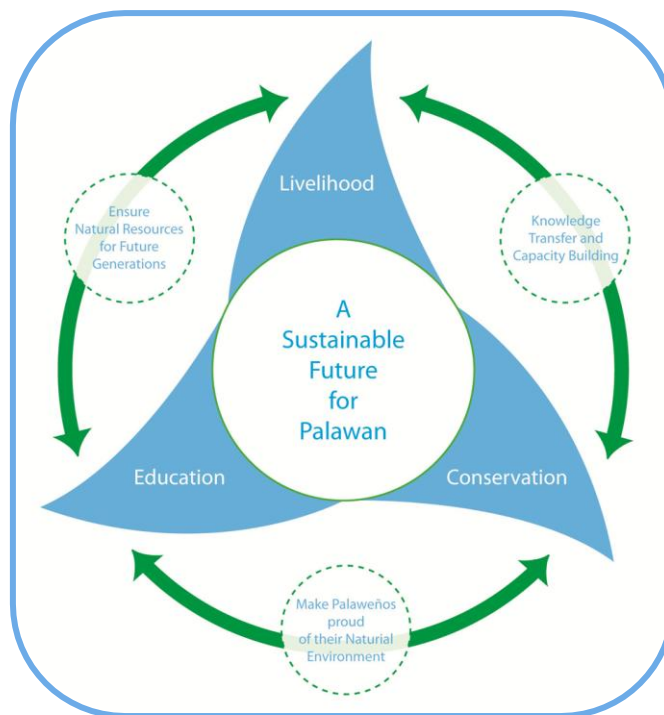
INTRODUCTION

The Centre for Sustainability is a non-profit organization working on sustainable development in Palawan, the Philippines. Through its Philippine The Centre is, through its Philippine sister organization (Southsea Exclusive Philippines Inc.), 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 City Government of Puerto Princesa and local universities. By bringing together the knowledge, skills, and experience of local organizations with the vast knowledge present at international institutes like the Wageningen University and Research Centre, the Centre for Sustainability is able to develop projects that are more effective and better adapted to local needs.



Centre for Sustainability

BOARD MEMBERS

Jonah van Beijnen is the Chairman of the board of the Centre for Sustainability. He has extensive experience from living and working in the Philippines for almost six years while working on sustainable development through mariculture and conservation.

Kyra Hoevenaars is the Secretary of the board, she studied biology at Wageningen University, and she has four years work experience in the Philippines carrying out projects on nature conservation, development, and education.

Dirk de Wit is our third member of the board. His activities include administration and promotion for our student program. He hold a Master Diploma in Biology from Wageningen University. He is currently working in the Netherlands as Project Leader for Elsinga Policy planning and innovation.





PROJECT ACTIVITIES

GROUPEL HATCHERY



We worked this past year on optimizing the survival of our hatchery and nursery in order to produce enough fingerlings to supply the participants of our livelihood project. For now, we mainly produce Tiger Grouper fingerlings (*Epinephelus fuscoguttatus*). This species is easy to grow out, has a high demand in Manila, Hong Kong and mainland China and has a high market price. Therefore, it is the ideal species for the livelihood program.

In 2012, 3 brood stock tanks were added and one hatchery building with 80 ton capacity is constructed to ensure enough fingerlings can be produced to distribute to participants of the livelihood program and to cover the overhead costs of the program. We also acquired new brood stock of 2 species. In 2012, we produced a total of 13,000 Tiger Grouper fingerlings.

Furthermore, we have transformed the coastal area into a well-protected private marine reserve with over two hectares of corals and several hectares of decades old mangrove forest. A recent study (April-June 2012) showed that the protection is already taking effect, corals and sponges are restoring, the quantity of fish is higher and sea grass beds are in better shape than the surrounding areas. We release larvae and fingerlings in this area on a monthly basis. A study is conducted (August-December 2012) to develop the most effective method of releasing fingerlings to increase their survival in the wild.

GROUPEL LIVELIHOOD PROGRAM

Next to optimizing our hatchery, we have executed all the preparations for the livelihood program. In the past year we have conducted the following activities; site selection, target group selection, development of grow out protocol, training materials and training set up, monitor and evaluation



Pilot project

Trials were conducted with several grouper farmers in Puerto Princesa City. Fingerlings were distributed among four cage owners. Progress and results were monitored. Participants were successful in growing the groupers to commercial size and received a high price for the product.



Centre for Sustainability

Grow-out program

Grouper fingerlings were distributed among 7 grouper farmers. One of the farmers has already sold the marketable size Tiger Groupers for a good price in Manila. The other farmers are still in process of grow out. The majority with a survival higher than average.

STUDENT PROGRAM

Through the student program, the Centre for Sustainability gives students from around the globe the opportunity to develop their skills, knowledge, and enthusiasm regarding sustainable development in their field of science. We started with this program to try form a bridge between the theoretical knowledge of science in the western world with the vast traditional and cultural knowhow of the Filipino culture. Students work in paired teams, a local student and an international student, thereby maximizing the transfer of knowledge and increasing the potential success of the joint project.

In close cooperation with local partner organizations, we offer thesis or internship positions which not only develop the skills and knowledge of our students, but which also contribute to the creation of a sustainable future for Palawan.

All subjects are of a high academic level, are applied to local issues and revolve around sustainable development. We offer a wide variety of subjects from different disciplines; Social entrepreneurship, Mariculture, Conservation (Marine and terrestrial), Environmental education and Eco-tourism.



We have established a strong partnership with the Palawan State University and the Western Philippine University in Puerto Princesa, and host organizations like the Irawan Eco-park, The Legend Hotel and Tours, the Philippine Coast Guard Auxiliary and the City Government of Puerto Princesa. We are also working with Otherwise and AIESEC, two organizations that promote our program worldwide among students.

In 2012, we hosted 14 international students and 19 local students through our student program. All students but one successfully completed their projects.

Evaluations of all students were positive and all students received high grades from their respective supervisors. The student program is highly appreciated by local universities, government and host organizations. Students are often asked for complimentary tasks such as teaching, presenting or advising.

Thesis students

- Fleur Bonekamp, 2012: Batak participation in tourism activities and its socio-cultural impact on their daily life in Apiriran and Kalakuasan, The Philippines



Centre for Sustainability

- Inge de Boer, 2012: Tourism as alternative livelihood: Grassroots perspectives and experiences, Honda Bay, Palawan, Philippines
- Scott Harper, 2012: Implementing a Harmful Algae Bloom Early Detection System
- Rob van Meeteren, 2012: Can the rainforest of Puerto Princesa be preserved from unsustainable development: rainforest cover change in North West Puerto Princesa, Palawan, Philippines within the period of 2002-2012

Internship students

- Darell van der Voort, 2012: Environmental Sustainability in Pandan Island, Philippines: An analysis on impacts of tourism and environmental awareness raising
- Ellen I- Lui Lin, 2012: Sustainability, ecotourism and marketing: Examination and marketing of ecotourism in Irawan Eco Park, Puerto Princesa City, Palawan, Philippines
- Gravilo Bozic, 2012: Protocol for broodstock management of Tiger grouper (*Epinephelus fuscoguttatus* Forsskal), Green grouper (*Epinephelus coioides* Hamilton), Giant grouper (*Epinephelus lanceolatus* Bloch) and coral trout (*Plectrocomus leopardus* Lacepede)
- Jorn Schoffelen, 2012: Improved sustainable Resource Management Turtle Bay, Palawan, The Philippines
- Laurijn van Ham, 2012: The current status of sea grass and corals Abucayan Bay, Puerto Princesa, the Philippines
- Max Siegfried, 2012: Transforming the Abucayan inlet into a legitimate approved MPA, Bgy. Santa Lucia, Palawan, the Philippines
- Niels van der Last, 2012: Developing an effective release-method for restocking hatchery-bred Brown-marbled grouper (*Epinephelus fuscoguttatus*)
- Simon Jansen, 2013: Managing resource-use conflicts in the forest areas of Puerto Princesa, Palawan, through GIS mapping
- Tim de Rooij, 2012: Building the bridge to sustainable grouper mariculture as an alternative livelihood for fishermen in Palawan, Philippines

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 containing 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%. Since 1994, the charismatic Edward S. Hagedorn (the former mayor) led the municipality on path towards sustainable development and he has banned logging and mining.

Puerto Princesa contains one national park (Puerto Princesa Underground River National Park, 22,000 hectare) but approximately 80,000 hectare of pristine forest neighboring the park remains unprotected. The centre of this large forest is shaped by Cleopatra's Needle (1,593 MASL), the



Centre for Sustainability

highest peak of Puerto Princesa and surroundings. This area is a real biological gem and it is the last safe haven for countless local endemics. It serves furthermore as the largest watershed in the municipality and functions an important corridor for species crossing the island.

For these reasons, the Centre for Sustainability and its partners propose to preserve this entire forest area and to safeguard the existence of numerous Palawan endemics, by the creation of Cleopatra's Needle Forest Reserve.

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

- I. Implement a delineation program to identify and mark the remaining forests 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.
- III. Increase the efficiency of law enforcement in the area by capacity building of forest wardens.
- IV. Create a sustainable livelihood for members of the Batak Tribe in the area through ecotourism activities.
- V. Implement a research program (inc. an educational component) to get a better understanding of different endemic and endangered



This year we have planted the seeds for the proposed Cleopatra's Needle Forest Reserve.

- We have a team of local graduates who are trained for GPS surveys, demarcation assignments, species inventories, and assessments;
- We have surveyed approximately 25 % of the area for demarcation purposes ;
- We have executed 2 remote sensing analysis of 2004 and 2009 that serve as guidelines in the forest demarcation project;
- Through our student program 2 students worked on their masters' degree participate in the preparations of this project;
- After a proposal of our organization (2012), several departments of the Puerto Princesa City government involved in forest conservation, law enforcement (related to conservation) and the monitoring of resource extraction, have been restructured under one department to increase the efficiency of the City's conservation efforts and to decrease potential opportunities for corruption;
- In December 2012, the government has transformed the buffer zone of the PPURNP into core zone;
- They previous Puerto Princesa City Government represented by Mayor Hagedorn has enthusiastically agreed to approve and support the creation of the Cleopatra's Needle Forest Reserve and the City's new Mayor, Lucille Bayron is also known for his vision of creating sustainable future for Puerto Princesa and has expressed his support to work together with NGO's to make his vision a reality.



FINANCES

Balance Sheet

| | As of 12/31/12 |
|---------------------------------------|----------------|
| Assets | EUR |
| Current Assets | |
| Cash | 4 |
| Bank | 938 |
| RC K. Hoevenaars | 4 |
| RC SSE Philippines Inc | 8,394 |
| Total Current Assets | 9,340 |
| Other Assets | |
| Investment SSE Philippines Inc | 9,500 |
| Other assets | 436 |
| Total Other Assets | 9,936 |
| Total Assets | 19,277 |
| Liabilities & Equity | |
| Liabilities | |
| Loan Poc Start life | 42,267 |
| Total Liabilities | 42,267 |
| Equity | |
| Retained Earnings | -9,672 |
| Owners Equity | 585 |
| Net Income | -13,903 |
| Total Equity | -22,990 |
| Total Liabilities & Equity | 19,277 |



Centre for Sustainability

Profit and loss statement

1/1/2012-12/31/2012

| | | EUR |
|---------------------------|---------------------------------|---------------|
| Income | | |
| | Donations | 630 |
| | Refunds & adjustments | 195 |
| | Student fee | 10,735 |
| | Total Income | 11,560 |
| Gross Profit | | 11,560 |
| Expense | | |
| <i>Projects</i> | Conservation projects | 176 |
| | Student program | 297 |
| | Hatchery | 681 |
| | Total Projects | 1,153 |
| <i>Marketing material</i> | | |
| | Email server | 67 |
| | Total Marketing material | 67 |
| <i>Staff</i> | | |
| | Employee benefits | 250 |
| | Management salaries | 13,485 |
| | Expense allowances | 7,650 |
| | Total Staff | 21,385 |
| <i>Travel</i> | | |
| | Public transport | 16 |
| | Car fuel | 25 |
| | Total travel | 51 |
| <i>Office</i> | | |
| | Internet | 29 |
| | Total office | 29 |
| <i>Professional fees</i> | | |
| | Chamber of commerce | 24 |
| | Total Professional fees | 24 |
| <i>Depreciation</i> | | 159 |
| <i>Interest</i> | | |
| | Interest loans | 2,267 |



Centre for Sustainability

| | |
|---------------------------|----------------|
| Interest bank | 123 |
| Total interest | 2,390 |
| <i>Bank charges</i> | |
| Bank costs | 108 |
| Transfer costs | 78 |
| Card costs | 20 |
| Total bank charges | 205 |
| <i>Cash difference</i> | 0 |
| Total Expense | 25,463 |
| Net income | -13,903 |