

luminocean



PLASTIC WASTE MANAGEMENT & CORAL REEF CONSERVATION

BANDA ISLANDS, INDONESIA



OUR AIM

The Banda Islands in east Indonesia still host some of the world's healthiest and most diverse coral reefs. The main threats that the reefs are facing come from land and are man made. We work to reduce these man made threats. Our key to success, so far, has been to find solutions together with the local population and implement them together. One of our main aims is to prevent plastic waste from going into the sea. Before we started, there was no solution to dispose their waste. In this brochure, you can read about all the steps we have taken to come to where we are now: running a plastic pickup system and recycling facility and educating school children, women and fishermen in the communities.

More info:

www.bandasea.org

www.luminocean.com/conservation

UNSER ZIEL

Die Korallenriffe der Banda-Inseln in Ostindonesien gehören zu den gesündesten und artenreichsten der Welt. Die Hauptbedrohungen für die Riffe sind lokal und menschengemacht. Unser Anliegen ist es, diese Bedrohungen zu reduzieren. Bisher hatten wir großen Erfolg damit, Lösungen für die Probleme gemeinsam mit der lokalen Bevölkerung zu finden und umzusetzen. Ein Hauptanliegen ist es zu verhindern, das weiterhin Plastikmüll ins Meer gelangt. Hierfür gab es keine Lösung als wir zum ersten Mal nach Banda kamen. Auf den folgenden Seiten finden Sie einen Überblick über das was wir bisher erreicht haben: den Aufbau einer Müllabfuhr und einer Recyclinghalle, ein Schulprogramm für plastikfreie Schulen und Aufklärungsarbeit für Frauen- und Fischergemeinschaften.

Weitere Informationen:

www.bandasea.org/de

www.luminocean.com/conservation

OUR STORY

LUMINOCEAN (YAYASAN CAHAYA SAMUDERA INDONESIA)
& BANDASEA E.V.



WHO WE ARE

Mareike
Director
BandaSEA e.v.

Maga
Ketua/ Head
of Yayasan CSI



2012

FIRST BIG BEACH & STREET CLEANUP

To initiate the program we visited all schools and talked to communities to share our clanup mission and motivate everyone to join. More than 1000 children and about 100 members of the communities joined our kick off cleanup day on Banda Naira.



2013

FIRST VILLAGE WITH RUBBISH PICKUP

The village Merdeka was the first to join the new waste pickup system. We informed the community of the dangers in burning plastic and distributed rice bags for their waste to be picked up twice a week from men in the village. This new disposal system was funded by us during the first 1.5 years and became selfsustaining after that.

Photo: Ulet Ifansasti

LUMINOCEAN - YAYASAN CAHAYA SAMUDERA INDONESIA & BANDASEA E.V.

Yayasan CSI (in English "Luminocean") is an Indonesian-registered and BandaSEA e.v. German-registered non-profit organisation. Most of the funds come from BandaSEA, whereas Yayasan CSI runs the projects on the Banda Islands as the local partner. Both organisations are eligible to receive private and public donations.

2014



WASTE QUANTIFICATION AND REGULAR BEACH CLEANUPS

Elsa Santika (co-founder of Yayasan CSI, in the picture with Ali Tamher, head of Fisheries and Marine Affairs Banda) spent almost 2 years on Banda to visit schools, teach about waste disposal and organise weekly beach cleanups with school classes and authorities. Furthermore, Maga and Elsa work closely together to extend the rubbish pickup system to more villages.

2015



RUBBISH PICKUP EXTENDS

After Merdeka and Nusantara, the village Kamung Baru is now as well included in the pickup system. The waste gets collected at the central landfill. At this point we started securing funding to develop a recycling system. The way for it was paved as the communities had started being aware of the risks burning plastic or dumping it into the sea.

2016



Photo: Ulet Ifansasti

UPCYCLING BEGINS

Mareike brought an example of a wallet made from recycled coffee packaging over from Bogor. Near Bogor, Nina with her initiative Greenna developed a program for women to earn money from creating wallets from plastic packaging. We adapted this concept and teach women from Banda how to make the wallets. On Banda, Ibu Haji Ida (designing wallets from waste in photo) was the first to make these beautiful wallets that are now available for purchase in our office.





2017

ENVIRONMENTAL EDUCATION ON PULAU HATTA

We opened an environmental education center on Hatta Island which is run by volunteers. Our aim is to educate the children of Hatta on eco-friendly living through games and activities. One of their favorite activities is to borrow swimming masks from the center and in return they bring back rubbish from the beach or ocean. We also provide lessons in English for the children. Volunteers are welcomed. Please see our website for more contact information.



2018

THE PROGRAMME IS GROWING - THANKS TO STERN MAGAZINE

2018 was a year that brought a lot of change for us. We were featured by the German magazine Stern and interviews with Mareike in Stern TV, NDR Talkshow and WDR 5 followed. Thanks to the growing public interest, we received more donations and could extend the rubbish pickup to more districts. Systematic beach cleanups are organized around the coastline of Banda Naira.

Furthermore, we received confirmation from the German company Collyer logistics to fund a pyrolysis plant, a machine that turns plastic into fuel.



2018

NEW OFFICE & SCHOOL IN KAMPUNG BARU

In 2018, we opened a new afternoon school in Kampung Baru where kids can learn using computers, English, art and about environmental issues. BandaSEA volunteers help teaching.

This is also the place where visitor are most welcome to learn about our program and buy upcycling products such as wallets and bags.





2018

FIRST DISPOSABLE PLASTIC-FREE SCHOOL

We sponsored and mentored the first plastic-free primary school on Banda. Every classroom is supplied with their own water dispenser and every child has an own cup. BandaSEA volunteers engage the children by producing artworks from plastic. The result is impressive and we hope that one day all schools on Banda can follow this example. For this we need your support



2019

TRASH FISHING CONTINUES

Even though the rubbish pickup system already works well in many villages, there is still plastic and organic waste in our waters. Until we have the necessary funds to extend the rubbish pickup to all islands, we will continue to remove trash from our waters. Please help us to keep our oceans clean.



2019

RECYCLING FACILITY OPENS

We received funding from the Tirta Utomo Foundation and German Embassy in Jakarta to build a hall that is used for sorting and recycling plastic. We are operating a pyrolysis plant - funded by Collyer logistics - to turn PP and PE into diesel, bensin and kerosene. All plastics are being sorted according to the different possible ways of recycling:

- PP, LDPE and HDPE: plastic to fuel
- PET: shredded and shipped to Surabaya for recycling
- aluminium-coated packages: upcycling into wallets
- PVC, mixed plastics: no solution yet

2020



We are expanding our well-working recycling system to other Banda Islands. We started with Banda Besar, the second most populated island in the Banda archipelago. We employed 6 workers to pick up and sort waste from houses, roads and the beaches on Banda Besar at our newly built waste storage and sorting site. All supported by the Indonesian Ministry of Marine Affairs and Fisheries and "Deutsche Stiftung Meeresschutz". From this storage, plastic gets picked up and sent for recycling to Naira (pyrolysis) and Surabaya (recycling into pellets).

We also received support from the Tirta Utomo Foundation to re-construct a 12 m wooden boat equipped with a plastic shredder to pick up plastic from villages on all Banda Islands.



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