



12 July 2022

**Final report from the Jan & Oscar Foundation
on the project funded by the Eagle Foundation:
Education to the Management of Environment
by implementation of Waste Banks in the south of Thailand**

Donor name: Eagle Foundation

Name of Charity and Project: Fondation Jan & Oscar, Education to the Management of Environment by implementation of Waste Banks

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Name and exact location of the project: Sinhai, Lao and Phayam islands in the Andaman sea, Ranong province, Thailand

Period of Project: January 2021 to December 2021 - **extended until end of June 2022 because of covid-19**

Conversion rate, date & amount in local currency: 5 May 2021, CHF 1= THB 34
=> total amount in THB= 454'000

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Thailand's backdrop regarding the covid-19 crisis

Thanks to the closure of its borders in March 2020, Thailand has had a long period during which covid-19 cases were almost absent from its territory. Unfortunately the number of cases has increased dramatically since April 2021. The start of the school year, which usually takes place in May, has been postponed to 14 June 2021 for schools in Ranong province. After only a few days of opening, however, schools were soon closed again due to the high number of covid cases in the province. The province's schools reopened only for the start of the 2022 school year in mid-May 2022. The first part of this project, the construction of the waste banks, was completed in 2021. While the workshops took place in 2022 after the reopening of schools.

Annexes

Annex 1 - MOU signed by the schools

Annex 2 - Construction contracts for the waste banks

Annex 3 - Quiz

Annex 4 - Powerpoint on marine plastic pollution and recycling (English version)

Annex 5 - Coloring book

Annex 6 a - Koh Sinhai pictures of workshop and post on social media

Annex 6 b - Koh Lao pictures of workshop and post on social media

Annex 6 c - Koh Phayam pictures of workshop and post on social media

Annex 7 - Donation letters signed by the directors

Annex 8 - Questionnaire follow-up WB project

Appendices (detailed budget)

Appendix 1 - Educational kits budget

Appendix 2 - Waste Bank Koh Sinhai

Appendix 3 - Waste Bank Koh Lao

Appendix 4 - Waste Bank Koh Phayam

Appendix 5 - Quotations for electronic equipment (computers, printers, etc.)

Appendix 6 - Quotations for posters and office supplies

Part 1 - Process and timeline for the implementation of the Waste Banks programme

At the end of 2020, the Jan & Oscar Foundation, through its Thai social enterprise Ranong Recycle for Environment (RRE), hired a 24 years old Thai woman from Ranong: Jutamart Naorachan (Bow). Bow was the Project coordinator in charge of this Waste Banks project in schools between January 2021 and January 2022. After her departure from the company, Bow was replaced by Kitiphan Saengkaew (Rung) in that position. They were both assisted in this task by RRE's operations manager, Nirattisai Ponputi (Chay), and by the co-manager of our project in Ranong, Capucine Paour.

At the beginning of 2021, Bow selected three public schools to implement the program and build a waste bank. The three schools are located on three different islands (or *Koh* in Thai language), where the problem of waste management and the impact it has on the population are the strongest. These schools are:

- The school of Koh Sinhai
- The school of Koh Lao
- The school of Koh Phayam

Timeline

February 2021 - May 2022: Bow, Capucine and Rung worked on the content of the educational kit and workshop.

February 2021: first contact with the teachers and directors to choose the schools where to implement the Waste Bank programme.

May 2021

Bow and Capucine went to the 3 islands to meet the directors of the three chosen schools, and the teachers responsible for this project in each school. We explained our programme and how to implement it in the schools. We visited the building chosen by the schools to be the waste bank with the teacher of charge and the constructor, and estimated the costs of the renovation.



Bow from RRE and teacher Jongrak on Sinhai island



Bow and teacher Leem on Lao island



Teacher Toey, director Da, Bow and Capucine in front of Phayam school



Bow, director Da and teacher Toey next to the future Waste Bank of Phayam school

June 2021

The teachers in charge of the three waste banks and one of the directors came to visit the waste bank that we have successfully set up in 2019 in Khao Niwet public school, Ranong city. This meeting held on the 21st of June created a good dynamic between the teachers, allowed them to understand how to implement the programme and to see the possibilities it holds. A Line group - messages application - was created to keep the connection between the different teachers and directors of the schools.



Teachers of the islands visiting the Waste Bank of Khao Niwet school in Ranong on the 21st of June



*Chay, manager of RRE, the director of Khao Niwet school,
and the teachers of the islands visiting Ranong Recycle for Environment*

During this day, all the teachers and directors of the schools signed a MoU to commit everyone to the project - cf *Annex 1*.



Teachers of the islands signing the MOU between their schools, RRE and the Jan & Oscar Foundation

June-July 2021

We received quotations to renovate the building where the waste banks will be implemented. After signing a contract with each constructor - *Annex 2* -, the renovation of the buildings began. The three waste banks were finished to be renovated in July 2021 but were not able to open before June 2022 because of the schools closure.

March 2022

Our new project coordinator, Rung, contacted the schools to introduce himself as the new contact person for the project. He informed the teachers and directors that the workshops will be held as soon as the schools can open again. Rung asked them to keep him updated when they have information on their opening.

May 2022

The opening of the schools is announced for the week of May 17. Rung contacted each head of the schools to find out when we could come and conduct the workshops. The dates of the workshops then announced are: June 1-3 at Phayam school, June 16-17 at Lao school and June 23-24 at Sinhai school. The directors also updated him on the schools' electronics needs. After nearly 2 years of closure, many equipments have been degraded and our donations are more than welcome. Rung was then able to purchase the proper electronic material for each school.

June 2022

Our team went to the schools to conduct the workshops, the content of which is described in the next part of this document. Numerous pictures and videos were taken during the workshops by Wut (employee of RRE) and Capucine, and a short video will be edited by Capucine in August 2022.

From July 2022 onward

Each school has decided on a day to open the waste bank so the students can bring recyclable waste. The waste will be weighed and notified in a notebook for each participant. After being delivered to our social enterprise RRE, the school will receive money from RRE for the waste collected and will decide how to use it for the students. The transport costs of the waste will be covered by RRE and the waste purchased at Ranong market price.

During a 3 month period we will analyse monthly, through a questionnaire and collection of data, how students and teachers continue to be involved in waste collection - cf *Annex 8*. This follow-up will make it possible to analyse the commitment of each school and the reasons for the success of the programme, or what is preventing its best development. This will allow us to determine the needs of each school in terms of additional support. The collection of data will then be pursued every 6 months.

Part 2 -Content of the educational kit and workshop

The educational kit corresponds to the content provided in the workshops. The workshop lasts 2 days during which the J&O/RRE team comes to the school.

The first day is dedicated to informing and sensitising the students about the effects of marine plastic pollution and the solutions provided by recycling, through presentation, instructive lessons, videos, creative activities, a quiz and games in teams adapted to the age of the students. The second day consists of a waste collection through a beach clean-up where the children are equipped and organised in teams to make the collection more fun. These beach cleanups are particularly appropriate for the places we are visiting, as waste from the sea washes up on the beaches of these islands. After that, the students learn how to sort the collected waste and how to use the waste bank: which waste is recyclable, which ones are not, and how to dispose of this waste.

At the end of the workshop, we share the answer of the quiz and make a small award ceremony. We announce what each team won. All children are receiving a reward and a “Guardian of the sea” certificate in their name, signed by the presidents of the Jan & Oscar Foundation, Laurence Pian, and the Ranong Recycle for Environment social enterprise, M.R. Charuvan Rangsit.

Workshop organisation

	Part	Name	Duration	Description	Material of the kit
Day 1	1	Introduce the Waste Bank Project	20 min	Present the Waste Bank Project in 6 schools Register name of the students (written properly by the teacher) and compose 4 teams	- Text introduction - scarves 4 colours - video "Khao Niwet"
	2	Quiz before learning	20 min	Quiz before learning anything answered by team	- Quiz
	3-4	Lecture on marine plastic pollution, the type of waste and how to separate	20 min	Introduction on marine plastic pollution and what solutions can be find against that. Lecture on the type of waste and how to separate them.	- Powerpoint document
		Break	20 min		- Fruits, drinks and/or snacks
	5	Game 1 & 2 Activity to pain the tote bags	60 to 90 min	4 teams. 2 games in separate places. Team plays the game 1 by 1, while the other teams are decorating white cotton tote bags with paint	- Game 1= Separate challenge - Game 2= How long until it's gone - Tote bags, paint and paintbrushes
		Lunch			
	6	Watch video= EJJF movie	20 min	15 min EJJF movie about Net Free Seas project Then discussion about the movie	- video "EJJF movie"
	7	Small talk about marine plastic pollution	20 min	A collector from the island presents his job or someone else talk about the consequences of marine plastic pollution on the sea	
	8	Game 3 & 4 Activity to color the books	60 to 90 min	4 teams. 2 games in separate places. Team plays game 3 two by two, and game 4 one by one, while the other teams are coloring the original coloring books given by the Foundation	- Game 3= Whisper challenge - Game 4= Guess the word challenge - Coloring books and colored pencils
		Break	20 min		- Fruits, drinks and/or snacks
	9	Watch video	10 min	A video presenting the workshops in schools will be edited in the future.	Video
	10	Quiz after class	20 min	Testing the teams about what they learn today with the same quiz they were given at the	- Quiz
	11	Preparation to the beach clean up	10 min	Explain the beach clean up event. Schedule an appointment for the next day	
		Day 1 total duration=	4h20 to 5h20		

	Part	Name	Duration	Description	Material of the kit
Day 2	1	Beach clean-up	1h to 2h	Beach clean-up, challenge by team. We record the volume collected by each team	- Material for the beach clean-up: gloves masks and bags - scale
	2	Photo shoot challenge	30 min	Each team will take a fun picture with the waste collected.	
		Lunch			
	3	Waste bank	60 min	We bring the waste at the waste bank to sort it in the different containers. We record the volume of each type of waste and explain to the children how to use the WB and the booklet	- Material for the waste bank: scale, jumbo and net bags, booklet + pens - 2 posters to decorate the WB: 1 informative and 1 decorative posters
	5	Award ceremony	30 min	Announce the winner team of the Quiz test before & after class, the games, the Photo Shoot challenge, and the Waste collected from the beach. All team are called and each children can choose a reward.	- Rewards: reusable cups, stationery kits, coloring boxes, bags, towels, etc.
	6	Give certificate to students	20 min	Call each student and give them a certificate "Guardians of the sea" in their name	- Printed certificates
		Day 2 total duration=	3h20 to 4h20		

Educational kit's content

- 1 quiz about marine plastic pollution and recycling - *Annex 3*
- 1 powerpoint document - *Annex 4*
- 2 videos “Khao Niwet” video <https://www.youtube.com/watch?v=zWUsHGTE8Bw> and EJF movie <https://www.youtube.com/watch?v=eXuS48m5ZGQ>
- 4 games made by J&O/RRE team
- 60 colour scarfs for the team (4 different colours)

For each school:

- **Material for the beach clean up x nb of people (students + teachers): gloves, bags and masks**
- **Material for the waste bank: jumbo bags and fishnets bags, scale, buckets to sort the waste, pens and notebook to record the amount of plastic**
- **2 printed quizzes per team**
- **1 informative poster about the type of waste collected in the bank**
- **1 decorative poster**
- **1 original coloring book offered to each student - *Annex 5***
- **1 white cotton tote bag offered to each student to be painted**
- **Paint and paint brushes for the tote bags activity**
- **Fruits, drinks and snacks for all the students during break**
- **rewards: reusable cup, stationery kits, coloring boxes, etc., to give to each student at the end of the workshop**
- **1 printed and signed certificate for each student**

Game 1 - Separate challenge



Around 20-30 waste elements (clean) are given to the pupils. They have to decide in which basket (representing a type of bin) they have to put the waste in: compostable waste, recyclable waste, hazardous waste and general waste.





Game 2 - How long until it's gone?



The children receive about 20 small cards. On each of them a picture of a type of waste. They have to try to remember how long it takes for each one to degrade if it is thrown away in nature, by placing the cards in bottles with these different durations.



Waste can take anywhere from a few weeks to hundreds of years to "break down", or never for Styrofoam.
The children can base their choices on the information provided during the powerpoint presentation.

Game 3 - Whisper challenge



Two teams are placed in line. The first one in each line reads a message related to plastic pollution.
He repeats it in a low voice to the child behind him.
And so on until the last student in the line who must then write the message on a board.





Game 4 - Guess the word challenge



One by one, the children of a team face their teammates.
They draw a card with a picture of a sea creature on it and, without looking at it, place it above their heads.



The teammates must try to make them guess the animal on the card. They may speak and mime the animal, but may not say its name. When the child finds the name of the animal, a point is earned.

Informative poster



**Title= Koh Lao school waste bank, supported by Eagle Foundation*

Decorative poster



**original illustration made by artist Emily Sakhila*

Certificate “Guardian of the sea”



*Certificate Guardian of the sea ; This document attests thathas participated in the Swiss Jan & Oscar Foundation workshop and is a true guardian of the sea, dedicated to protecting the ocean and marine creatures from plastic pollution. Approved by Laurence Pian, president of the Jan & Oscar Foundation. Approved by M.R. Charuvan Rangsit, president of Ranong Recycle for Environment Social Enterprise.

Part 3 - Koh Sinhai school

[Google map link to Sinhaï island](#)

Koh Sinhai is located 60 minutes by longtail boat from Ranong and RRE. It is mainly inhabited by fishermen families. But it has a strong problem of pollution and waste management. A lot of waste is carried by the tide and washes up on its beaches. And the inhabitants have to deal with this problem alone. One of these fishermen, Palinya Chansamout, collects waste in the village and on the beaches, which he has been selling to RRE for nearly 2 years. He will be collecting the waste from the school's Waste Bank.

The Sinhai school has 300 students aged between 5 and 15 years. The teaching staff consists of 12 people. Teacher Jongrak is our contact in charge of the project. He is a young teacher who was born and raised in Koh Sinhai. He taught for several years on the mainland before requesting a transfer to his native island. It is important to know that very few teachers want to work on the islands. As a result, island schools are often understaffed. Jongrak made the choice to come back and stay for the long term, which allows us to have a long-term and reliable contact. Having grown up on the island, he fully understands the problem of plastic pollution. He is happy to be able to pass on to children the environmental values he feels strongly about.



Kru Jongrak and Bow on Sinhai pier

Koh Sinhai waste bank



The building before the renovation





The waste bank finished

Walls inside and the back door were removed.
The floor was renovated. New windows and a door were installed.
The constructor painted the building inside and outside.



After the renovation, Teacher Jomrak painted letters in front of the waste bank. Iron containers were made to separate the waste collected. We also purchased a small cart that will allow the teacher to carry the waste to the pier, where Palinya will load it on his boat to bring it to our recycling center. There is indeed no road nor car on Koh Sinhai, so it is not that easy to carry a big volume only with a motorbike or a bicycle.



Koh Sinhai workshop

Koh Sinhai workshop was conducted during 2 days on the 23rd and 24th June 2022.

44 pupils of the grades Prathom 5 and 6 (Elementary school grades 5 and 6), accompanied on the first day by 17 students of the grade Matayom 1 (Middle school grade 1), attended the workshop.

The RRE/J&O team was composed of Rung, Naa (Lalita Meekaew, employee of RRE), Wut, Carina (volunteer for J&O) and Capucine.

For the pictures, cf *Annex 6 a*.

Text of the post on our social media:

“Our school tour continued on the island of Sinhai where we received a very warm welcome.

Sinhai is an island inhabited by nearly 400 families, most of whom live from fishing. The inhabitants are therefore well aware of the problem of marine plastic pollution.

The children were very receptive to the activities we offered them during these two days. The workshop started with a beautiful musical performance by the pupils, and went on with our usual activities: presentations, games, creative activities and beach clean-up. Then we inaugurated the waste bank building renovated last year.

A big thank you to teacher Jonrak, a native of Sinhai Island, for his involvement in our project and in the preservation of this beautiful island.”

Koh Sinhai donation

Electronic equipment donated to the school:

- 1 computer (laptop) ACER A314-35-P9R9, value 12'900 THB
- 1 printer Canon Pixma G2010, value 4'490 THB
- 1 projector ViewSonic LCD PROJECTOR M1-Mini, value 5'792 THB
- 3 fans: 1 Hatari 16" + 2 Hatari 18", total value 3'576

The donation was made during Koh Sinhai workshop and received by teacher Jonrak, who signed a lister guaranteeing the donation was made to the school - cf *Annex 7*.



Teacher Jonrak receiving the donation of electronic equipment with Naa, Carina and Rung

Part 4 - Koh Lao school

[Google map link to the school of Lao island](#)

Koh Lao is an island located 20 minutes by longtail boat from Ranong city and our plastic collection center. There are two villages there: a village with a Muslim majority, and a Moken village.

The school is located close to the Muslim village. There are 64 students, including 43 Moken, aged 5 to 12 years. The Moken village is located on another part of the island. Thus the Moken kids come to school by bus-boat. The teacher and assistant principal of the school, Leem, was our contact for the waste bank program. Unfortunately he had to leave the school and was replaced by Kru Pat, who is equally enthusiastic about the project.

We already have collectors from the Moken village who are bringing plastic to our center RRE. They will be able to take care of the transportation of the waste collected in the waste bank. Moreover, RRE employs several young adult Mokens from this same community to sort the plastic and assist the managers in the management tasks.



Students in Lao school before the school closed

Koh Lao waste bank



The building before the renovation



The waste bank finished

A new cement floor and a roof was built in front of the building to protect the children from the sun and the rain. A door was put where there was none so the teachers can lock the building when it has waste inside. The building was emptied and painted inside and outside.

Koh Lao workshop

Koh Lao workshop was conducted during 2 days on the 16th and 17th of June 2022.

The workshop was conducted with 44 pupils of the grades Prathom 1 to Prathom 6 (Elementary school grades 1 to 6).

The RRE/J&O team was composed of Rung, Naa, Wut, Carina (volunteer for J&O) and Capucine.

For the pictures, cf *Annex 6 b*.

Text of the post on our social media:

“Educational workshop on Lao Island with elementary school children.

The history between Jan & Oscar Foundation and Lao Island goes back to 2011 when the Foundation funded the construction of the kindergarten in the Moken village. We have also been supporting the schooling of Moken youth from Lao since 2012 through HDF Mercy center.

But this time it was about educating the children about plastic marine pollution and the solutions we can find against this problem.

The children were adorable and we had as much fun as they did during these two days. A big thank you to the volunteer teacher @ Pattama Datae for her help and dedication, to the director @ Kedsathan Kaewnopparat and to the whole team @ โรงเรียนบ้านเกาะเหลา.”

Koh Lao donation

Electronic equipment donated to the school:

- 1 computer (laptop) ACER A314-35-P9R9, value 12'900 THB
- 1 projector EPSON EB-E01, value 11'500 THB
- 1 screen for the projector, GYGAR 70*70, 2'000 THB
- 1 fan Hatari 16", value 980 THB

The donation was made during Koh Lao workshop and received by the director of the school Kedsathan Kaewnopparat, who signed a list guaranteeing the donation was made to the school - cf *Annex 7*.



The director of Lao school receiving the electronic equipment donation from Rung



A teacher of Lao school using the projector and screen we gave to the school to teach the children how to read

Part 5 - Koh Phayam school

[Google map link to the school of Phayam island](#)

Phayam is an island located 40 minutes away from Ranong by speedboat, and 2 hours by longtail boat. It is an island inhabited by a very heterogeneous community, composed of Thai, Moken, Burmese and Westerners. It welcomes many Thai and foreign tourists, mainly during the dry season, from October to May.

The school is located on the eastern part of the island, not far from the pier. For the year 2022, 125 students are registered to the school, belonging to these various communities, aged from 3 to 12 years old. The school director, Kru Da, and the teacher Toey, are in charge of the project. Their motivation is strong. They both came to visit the Khao Niwet school waste bank to learn more about the success of the project. Kru Da was replaced by director Arafat Wengzilla in 2022 who strongly believes in this project as well, and participated in the workshop.

The waste collected by the school will be transported by the slow boat company, who is generously not charging us to support the school activity.

Koh Phayam waste bank



The building before renovation



The waste bank finished

The building was emptied. Cement was put on the floor and the wall. They painted the inside and outside of the WB and added a grid. They also built containers to be able to stock and separate the waste easily. The waste bank walls will be decorated by the children and volunteers in the coming months.

Koh Phayam workshop

Koh Phayam workshop was conducted during 2 days on the 1st and 2nd of June 2022.

The workshop was conducted with 37 pupils of the grades Prathom 4, 5 and 6 (Elementary school grades 4, 5 and 6).

The RRE/J&O team was composed by Rung, Naa, Wut, Carina and Capucine.

For the pictures, cf *Annex 6 c*.

Text of the post on our social media:

“Welcome to Koh Phayam Island school where we conducted our workshop on marine plastic pollution.

Games, beach clean-up, creative activities, plastic sorting in their waste bank...the children were able to learn while having fun during two days with our team from Ranong. We were lucky to benefit from the sun, which is quite rare during the rainy season.

The children living on the islands are on the front line of ocean plastic pollution as they are confronted with it almost daily while fishing with their families, swimming or surfing.

Thank you to all these young guardians of the sea for their energy and enthusiasm!!!”

Koh Phayam donation

Electronic equipment donated to the school:

- 1 printer Canon Pixma G2010, value 4'490 THB
- 1 projector EPSON EB-E01, value 11'500 THB
- 1 screen for the projector, ISCREEN 70*70, 1'900 THB
- 1 router D-LINK 300 Mbps, value 1'483 THB
- 8 fan Hatari 16", value 7'840 THB

The donation was made in 2 times. We sent the fans and ordered the router before the workshop as it was an urgent need for the school just after its opening on the 17th May. We gave the other part of the donation during the workshop directly to the director Arafat Wengzilla, who signed a list guaranteeing the donation was made to the school - cf *Annex 7*.

*There was a mismatch during the final donation and the wrong projector was given to the school - the projector belonging to RR. We then exchanged it with the Epson projector, which is of better quality, before the director signed the letter.



The principal, surrounded by the teachers of the Phayam school, receiving the donation of fans.



Teacher Toey receiving the router to augment the school's wifi network



The director of Phayam receiving the rest of the donation from Rung

Part 6 - Budget (+ appendices 1 to 6)

	Estimated budget agreed with Eagle Foundation		Budget spent			
	CHF	THB	CHF	THB	Receipt	Details in THB
1. On-site manager 1 year (project coordinator Bow)	5'295	180'000	5'295	180'000		12 months x 15'000 THB= 180'000
2. Educational kits	1'000	34'000	1'172	39'856	Appendix 1	Various supplies for the games= 8'137 Rewards to offer to the kids= 12'689 Artist makes original illustration poster, certificate and coloring books= 13'125 Beach clean-ups material and organisation= 5'905
3. Waste bank Koh Sinhai	1'325	45'000	1'364	46'361	Appendix 2	Construction material= 18'171 Labor= 15'800 Transport of material to island= 1'500 Material to run the waste bank= 10'890
4. Waste bank Koh Lao	1'325	45'000	1'485	50'485	Appendix 3	Construction material= 28'685 Labor= 15'000 Transport of material to island= 2'900 Material to run the waste bank= 3'900
5. Waste bank Koh Phayam	1'325	45'000	1'180	40'096	Appendix 4	Construction material= 23'046 Labor= 10'000 Transport of material to island= 3'500 Material to run the waste bank= 3'550
6. Computers	1'765	60'000	2'406	81'801	Appendix 5	Lao: laptop + accessories, projector, screen and fan= 27'440 Phayam: printer, projector, screen, router and 8 fans= 27'603 Sinhai: laptop + accessories, printer, projector and 3 fans= 26'758
7. Printers	445	15'000				
8. Posters/panels	590	20'000	447	15'210	Appendix 6	Printed informative and ornamental posters/panels, coloring books and certificates= 12'730
9. Offices supplies/booklets	295	10'000				Calculator + printed booklets + pens= 2'480
TOTAL	13'355	454'000	13'349	453'809		