



Tangkoko Conservation Education

Education programme of the
Macaca Nigra Project

Environmental
education
In North Sulawesi,
Indonesia

JULY — DECEMBER 2015



Happy Birthday! Tangkoko Conservation Education is 5 years old!

On the 30th January, we celebrated both the Indonesian Primate Day and TCE's 5th Birthday!

For this special day, we set up an exhibition about local wildlife and TCE's activities in the Education Department of Bitung (together with the exhibition of Selamatkan Yaki about crested macaques). Then we invited the local communities and all our partners to be part of a day full of surprises: Concert from volunteers, testimonies from the local government, partners and young people part of our programme, movie screening, and even birthday cakes to share with former and current TCE's staff :)

We would like to thank very much all our partners, sponsors and volunteers for their help and support since 2011! **Salam Lestari!**



WELCOME FELICIA! TCE will welcome Felicia Edström Jansson, volunteer from Sweden, for one year between January 2016 and 2017. Felicia was a volunteer from Tasikoki last year and would like to help TCE and its school interventions. Thank you Felicia for your support!

Between May and July 2016, a French student (Regine) and two French volunteers (Macha and Thibaut) will come to Tangkoko to implement various interventions and events for the local community within the TCE programme. More information in the next newsletter!



Contact us:



<https://www.facebook.com/tangkokoconservationeducation>



Website: <http://www.regards-dailleurs.org/tangkoko-conservation-education/>



[tangkokoproject@gmail.com](mailto:tangkokoconservationeducation@gmail.com)



+447581000869

Tangkoko Conservation Education is now part of the Education Curriculum of the Bitung Region!

Tangkoko Conservation Education started its 6th school year very well ! On the 3rd July 2015, TCE had the opportunity to strengthen its educational programme on a local level by establishing a Memorandum of Understanding (MoU) with the local government of Bitung. The aim of this MoU is for TCE to be part of the local education curriculum in the Bitung area.

The Head of Education and Culture of Bitung City, Pak Ferdinand Tangkudung, warmly welcomed the TCE program during a meeting held for Bitung's school head teachers on the 3rd July 2015: **"Environmental education is very important for us to include it in all schools, at the elementary and secondary level. We have wildlife that do not exist anywhere else in the world and they are threatened with extinction "**. This MoU is therefore a great opportunity to support conservation education activities in the area!



Pak Ferdinand Tangkudung and Mathilde Chanvin during a meeting in the Education Department of Bitung.

The collaboration with the Bitung Education Department

The MoU we signed with the Education Department is a great achievement, the first of its kind in the Bitung region. It means that the local government is officially supporting environmental education activities in the schools participating in TCE's programme. It also means that the local government encourages teachers to include our environmental lessons in the curriculum of the Bitung area.

As part of the MoU, a TCE's office has been created within the Education department building in order to strengthen our collaboration with the local government and better communicate with the school staff and local community about our activities.

For 2015-2016, monthly reports are provided to the Department, and regular follow up are being

organised for the Department staff to make sure that the teachers use our education booklet in their daily classes.

" I hope that thanks to the pupils part of TCE, the message concerning the importance to protect the environment can be transmitted to their parents, as there are many people who are not familiar with the biodiversity of North Sulawesi "

Ferdinand Tangkudung - Head of Education Department of Bitung

Signing the MoU between the Education Department of Bitung and Tangkoko Conservation Education.



Picture: TCE's office in the Education Department of Bitung, and an original artwork realised by Cindy Samiadji, a volunteer from Tunas Hijau Nature Club.

The 2015-2016 school year of Tangkoko Conservation Education

Tangkoko Conservation Education programme (TCE) started in 2011. Since then, it developed its school activities in the region of Bitung, North Minahasa (Minut) and Manado. For this 2015-2016 period, six new schools have joined the programme: SDN Inpres Girian (Bitung), SMK Bahari (Bitung), SD GMIM Makawidey, SMP Christian Eklesia Makawidey (Bitung), SMK 1 Airmadidi (Minut) and SDN 2 Airmadidi. These development were warmly greeted by the Education Departments of each region, who issued letters of recommendation.

For this school year, a total of 23 schools (in 12 villages) are included in our TCE program, reaching 592 elementary / junior high school / senior high school students!



Photo: Two of the new schools involved this year:
SMK Bahari Bitung and SMP Makawidey

July 2015: TCE's training for teachers (1/2)

Tangkoko Conservation Education implemented its 2nd training for teachers for the 2015-2016 school year. Our training began with a trip to the Tangkoko forest on the 1st July, where we invited the staff of the Education Department to join, together with head teachers of school part of TCE programme. It was the first visit to Tangkoko for Pak Tangkudung, Head of the Education Department !

During the visit, we received the support of the Macaca Nigra Project staff and local guides, who gave information about the local flora and fauna. Stephan from MNP also explained the lesson about macaques that we deliver to students.

After the visit, Pak Tangkudung, together with the TCE team, presented the MoU draft to the head teachers and how it will

help conservation education activities to be included in the curriculum of Bitung schools.

On the 29th July, the TCE team presented the 6 lesson materials to the teachers in Tasikoki Wildlife Rescue and Education Centre, in collaboration with the staff of the Education Department of Bitung, the Macaca Nigra Project, Tasikoki Centre and Selamatkan Yaki.

Like last year, the participants had the opportunity to visit the Tasikoki Centre to get introduced to the issues of wildlife trade in North Sulawesi.

On the 30th July, the teachers who could not attend the first

training day went in the Tangkoko forest to observe the macaques. Some teachers of other regions of Sulawesi took part in this training (Gorontalo and Minahasa Induk region), as a future possibility to expand the TCE programme in these regions.

Training for teachers plays now an important part in our programme. We hope, thanks to these activities, that the teachers are able to integrate our lessons into their classes on a daily basis and also bring their own contributions to our materials and adapt them to the local curriculum.

2015: TCE's training for teachers (2/2)

We would like to thank the Department of Education of Bitung (especially Pak Ferdinand Tangkudung), the Ministry of Forestry's conservation agency (BKSDA), Tasikoki Centre, Macaca Nigra Project, Selamatkan Yaki, as well as the nature clubs who provided with volunteers and logistical support during these training days: Tunas Hijau, Nature and Education, Mata Angin, Mapala Bumi, Tishan.



Yandhi from the Macaca Nigra Project, explaining about the research done about macaques to Pak Ferdinand Tangkudung



Nona explaining the lesson about Indonesian flora and fauna in Tasikoki Centre



Reading the MoU together with the Education Department of Bitung staff and head teachers



The teachers of Winenet and Batu Putih getting to know the material about macaques



The participants observing the crested macaques in the forest



Training participants in Tasikoki Wildlife Rescue and Education Centre

September– December 2015 in pictures

In September 2015, TCE team delivered the pre-programme evaluation questionnaires to participating pupils, teachers, and parents as well as control groups. Between October and December 2015, we delivered the following lessons in classrooms with the help of volunteers from nature clubs, as well as Nikki from the Macaca Nigra Project:

Lesson 1: Basic knowledge about the environment

Lesson 2: Ecosystem and Biodiversity of tropical rainforests

Lesson 3: Introduction to the flora and fauna of Indonesia, Sulawesi and our local forests.

Since the 2014-2015 school year, we deliver these interventions with a booklet gathering our 6 illustrated lessons for project coordinators, teachers and pupils. In 2015-2016, it has been updated and improved (with some activities in English—see below) thanks to our teachers and partners' feedbacks. It constitutes a tool that can be used by schools and other conservation organisations (available as a resource in the Primate Education Network website (<http://www.primateeducationnetwork.org/>)).

This booklet, appreciated by pupils and teachers, can help the local communities to keep useful information and advices concerning the North Sulawesi wildlife and its conservation.

More information about the January-June 2016 school activities in our next newsletter! :) Thank you for all the volunteers and Niki for their help!



Pupils from SMP Makawidey (a new school) completing the pre-programme evaluation questionnaires



Parents from SD 48 Primary School in Tuminging completing the questionnaires



Lesson 1 in Batu Putih Bawah primary school with Fadila



The pupils of SD 58 Manado with their syllabus (Lesson 2)

Do you speak english? Sekarang kamu sudah mengetahui tentang kelompok binatang! Apakah kamu bisa tulis kelompok binatang dalam Bahasa Inggris?

MAMALIA: _____

REPTIL: _____

IKAN: _____

BURUNG: _____



Lesson 2 in Airmadidi together with Nikki

Macaca Nigra Project (MNP), Tangkoko and Yaki news!

The Macaca Nigra Project has welcomed two new groups or researchers. The first group is lead by Laura Inigo Martinez, coming from Spain. Her team started to conduct some research in August 2015. The team includes Laura, Rismayanti, and

since January 2016, two volunteers from France and one assistant from Indonesia. They examine what happens if two or more groups of crested macaques meet in the forest. They observe and record the interactions between the groups.

The second group is lead by Maura Tyrrell from the USA. Her team began the activities in December 2015 and is composed of Maura, Santi Julianti and Try Sutrisno. They investigate the effects of male competition in the coalition patterns within and outside the group of crested macaques. The team will observe all males who are in the group (adolescents and adult males).



The MNP Team (in Summer 2015)



Forest fires in Tangkoko (Photo:MNP)

Yaki news and illegal activities

The Macaca Nigra Project (MNP) follows three groups of crested macaques for research purposes: Rambo 1 (R1), Rambo 2 (R2), and Pantai Batu 1 (PB1).

Between June and December 2015, MNP has found 27 traps in the Tangkoko forest (in its research area): 18 traps for birds and 9 traps for wild pigs.

In August-September 2015, approximately 17.44% of the Tangkoko conservation areas experienced forest fires (According to Mongabay.co.id, 29th September 2015). During this tough period without rain, MNP could still conduct its usual activities, and helped the fire fighters and local guides to stop the fires.

MNP also rescued some macaques. Between August and December 2015, one macaque from R1 and two macaques from R2 were caught in snares. Two of them have been successfully rescued.

Crested macaques are social animals who love to play and sometimes fight. These fights sometimes cause minor to severe injuries. Minor injuries have been found on seven macaques from R1, 13 in R2 and 9 in PB1.

During this period seven macaques gave birth in R1, nine in R2 and 11 in PB1. The birth of a baby macaque is always a good news, and increase the group dynamic.

During the same period, no macaques were found dead in R2 and PB1, but 7 macaques passed away in R1 group.



The macaque rescued in December 2015 (Photo: MNP)

Awareness campaigns

Between August and December 2015, TCE participated in various awareness campaigns such as:

- **4th October 2015:** World Animal Day, held in Tondano, and organised by Tasikoki Wildlife Rescue and Education Centre, together with TCE, Animal Friends in Manado, and the community of Tondano Minahasa. Several activities took place such as concerts, parades, theatre plays. This event was held due to the high level of consumption of wild meat among the people of North Sulawesi. Therefore, raising awareness about these issues is one way to help the local population to realise the importance to protect their local environment!
- **30th December 2015:** A reflection on all the local natural and human disasters that took place in 2015 (such as forest fires) was presented in Manado: Movies, discussion, concerts and exhibitions were organised to think about how to better protect the environment in 2016!



World Animal Day in Tondano



Tangkoko Conservation Education would like to thank all their members, friends and partners who support its activities since 2011: We thank our French partners, Compiègne Town Council, Amiens Zoological Park and the NGO Bulle et Cie and Patrimoine Détour. In Indonesia we thank the education departments of North Sulawesi, Bitung, North Minahasa and Manado, as well as the Transport Department of North Minahasa, the Ministry of Forestry's Conservation Agency of North Sulawesi (BKSDA), Macaca Nigra project, Nature and Education, KMPA

Tunas Hijau Airmadidi, Nature and Education, Solidaritas Pecinta Alam Minahasa Utara, KPA Katswonus Bitung - Hesty, KPA Tisan Bitung - Richard, Mapala Bumi, KPAB Mata Angin Manado, Mapala Equil - Ririn, LBH Manado - Arya, Inovasi Unsrat Pekopeko Club - Citra, Yayasan Suara Pulau, Mapala Alaska - Ronald, Rocky Kaunang, Saldi Adjiji, Sriwati olii, Lisa, PPS Tasikoki, Selamatkan Yaki, Alliansi Konservasi Tompotika (AITo). We would like to thank the University of Portsmouth for supporting Mathilde's MREs programme about TCE.



Local volunteers helping us on a daily basis!

We would like to thank our generous donors : Sara Yang, Karin Holloway, Marie Archer, Danièle Duboscq and Julie Duboscq and our volunteers Joanna Sédille, Camille Mouton, Vanessa, Jérôme Micheletta, Claire G and D, Caroline Rlchaud and Corinne Maudire. We would like to thank our current and future international TCE volunteers : Felicia Edström Jansson, Regine Gross, Macha Paquis and Thibaud. Thanks, too, to our on-line volunteers who help with document translation, Brian Oentoro, Brian Hinchcliffe, Sonia Maryan, Kristin Kelber. A big thank you to our sponsors for their support : AfdPZ, ZGAP, Darmstadt Zoo, Rufford Small Grants Foundation, Chester Zoo, Primate Education Network, ECOCO Foundation.

