

FINAL REPORT – VAVROUŠEK SCHOLARSHIP

NAME: Adéla Hemelíková

YEAR OF STUDY: 3rd year of master degree programme

TOPIC OF THE INTERNSHIP: *Community Outreach to Promote the Conservation of Hawksbill sea turtle*

SCHOLARSHIP AMOUNT: 15 000 CZK

COUNTRY OF IMPLEMENTATION: Indonesia

PERIOD: 1/03/2020 - 30/07/2020

Brief description of the internship:

I spent in Indonesia five months. The aim of the internship was to conduct market survey in known markets of tortoiseshell trade. Special attention was given on tourist exposed areas along the coast where there is general evidence of Hawksbill sea turtle occurrence. Due to COVID-19 outbreak I was not able to make the survey in East Kalimantan as was planned. Instead, I had been conducting surveys in Sumatra.

The online database to report tortoiseshell trade has been created and also I have created a map with spots where is high probability of tortoiseshell trade. These spots were chosen based on information about tourism and habitat of hawksbill turtle.

The further step (next phase planned for the following year) will be the acquisition of tortoiseshell material in cooperation with Syiah Kuala University and Nature Conservation Agency of Indonesia. The acquire material will be analysed to detect mtDNA, C¹⁴ isotope and to calculate length-to-area relationship in order to determin turtle demography.

Description of the activities:

The internship included following activities:

- I have prepared methodology of field survey and map of spots of tortoiseshell trade.
- I have visited Nias and local markets where I have found two places where the tortoiseshell products are sold.

- During my field survey I have conducted 10 interviews with local people and got more information about tortoiseshell trade in Nias. I have also visited nesting beaches of hawksbill turtle. With my colleague, we managed to document the process of taking shell from a turtle. I have also visited Sibolga, Medan, Banda Aceh and their neighbourhoods. In Sibolga and Medan other selling spots of tortoiseshell trade have been found. Based on interviews tortoiseshell in these areas come from Nias.
- I attended several online conferences with Syiah Kuala University and discussed possibilities of further cooperation regarding the analysis of tortoiseshell. Furthermore, I am in touch with TRAFFIC South East Asia and later I will provide them reports with information about tortoiseshell trade. In these days, new cooperation with WWF Australia is being discussed.
- I have also provided reports to Liberec Zoo, analyse data from interviews and document evidence of tortoiseshell trade in visited areas.

Benefit of the internship for student and partner organization:

Student:

I gained great new experience and skills from the field. I became the part of an international project which combines development and conservation. Eventually, the participation on this project will help me to start my PhD studies in the following months. I have prepared methodology for the interviews as well as substantial part of the laboratory analysis. Soon, I will have great opportunity to represent this project on conferences and eventually public my first paper. I managed to start cooperation with TRAFFIC South East Asia and the cooperation with WWF Australia is being discussed. Last but not least, I've got a part time in Liberec Zoo at the department of in situ conservation.

Liberec Zoo:

Together with my colleagues we have started a new in situ conservation project in Indonesia. Hopefully, new international cooperation with TRAFFIC will help to promote the work of Czech conservationists.

Presentation of the outcomes of the internship:

The project will be presented in International Conference of Veterinary, Animas and Environmental Science that is going to be held online at the end of October in Banda Aceh,

Indonesia. I am currently writing a paper for this conference. Furthermore, the project will be presented as a lecture for public in Liberec Zoo and then at schools in Prague (cooperation with Czech Coalition for Biodiversity Conservation).

The results of the project will be shared with TRAFFIC in their reports.

The other outcomes will be presented after finishing the second phase of the project – the tortoiseshell analysis.

FINAL BUDGET:

Budget	Total	My own expenditures	Liberec Zoo	Syiah Kuala University	Vavroušek Scholarship
Visa	27 000 CZK	x	10 000 CZK	17 000 CZK	
International transport	25 384 CZK	10 384 CZK			15 000 CZK
Local transport	5 000 CZK	5 000 CZK			
Accommodation	22 400 CZK				
Food	7 000 CZK	7 000 CZK			
Papers, print	2 000 CZK	x	2 000 CZK		
PCR tests	3 400 CZK	3 400 CZK			
Insurance	2 986 CZK	2 986 CZK			
Consumables and equipment	12 000 CZK	x	12 000 CZK		
Total	107 170 CZK	28 770 CZK	24 000 CZK	17 000 CZK	15 000 CZK