ANNUAL REPORT 2015
Program 1m Trees in Central Kalimantan, Indonesia
# Table of Contents

Table of Contents .......................................................................................................................... 1
Letter from the Program Manager ................................................................................................. 2
Working Area of the Program .......................................................................................................... 3
Achievements of the Program in 2015 ......................................................................................... 4
Program Activities in 2015 ........................................................................................................... 5
Continuous Support for the Farmers ............................................................................................. 6
Nursery Training in Sukabumi ........................................................................................................ 7
Financial Training for Nursery Operators .................................................................................... 8
Establishing Nurseries ................................................................................................................... 9
Socialization ................................................................................................................................. 10
Farmer Training ............................................................................................................................ 11
Distribution & Planting .................................................................................................................. 12
Monitoring ..................................................................................................................................... 13
Protected Forest Area .................................................................................................................. 14
Study on the Potential of Sengon in the Building Sector ............................................................... 15
On Fire and Haze .......................................................................................................................... 16
Acknowledgements ....................................................................................................................... 17
Our Donors in 2015 ....................................................................................................................... 17
Palangka Raya, March 2016

Letter from the Program Manager

Dear friends, supporters and all of those interested in our work,

It is my great pleasure to present our 1m Trees annual report 2015. As you know, 1m Trees is the name of our program in Borneo with the aim to support communities to plant degraded land with fast-growing commercial tree species, Paraserianthes Falcata or Sengon. Under the umbrella of the program, we implement projects funded by different donors. This has been an eventful year for us, as we were able to expand the size and scope of our program immensely. From the program’s perspective, we set ourselves three major goals in 2015: Firstly, to increase our program in terms of including more farmers, producing more seedlings and planting larger areas. Secondly, we were looking for ways to ensure the continuation of our program through additional grants from donors. And thirdly, we wanted to explore new ways to communicate what we are doing here.

I am proud to say that we have reached these three goals. The number of farmers, seedlings and areas could be more than tripled; we are looking forward to start projects that will finance many of our activities over the next years and we have produced a movie clip and a web map that brings you closer to our work than ever. We already have plans to expand these features in 2016. On the following pages, you can learn more about our achievements, activities and the challenges we were facing in 2015.

Our reporting period is March 2015 to February 2016, since this is in line with the climatic conditions dictating our planting cycles.

I would like to thank all of our supporters. Your contributions made this possible.

I am always happy to talk to you, take your comments and recommendations and answer any questions that you might have. You can reach me via e-mail (wolfgang.baum@fairventures.org), skype (wolfgang.baum.fvw) or mobile phone (+62 81 310 290 109).

Yours sincerely,

W. Baum // Program Manager 1m Trees

The movie can be found here https://www.youtube.com/watch?v=iA7pIWKPA

The web map is available under http://fairventures.org/worldwide/1mtrees borneo/
Working Area of the Program

1m Trees is being implemented in Gunung Mas Regency, Province Central Kalimantan, Indonesia.
Achievements of the Program in 2015

Achievements in regard to the planting areas:
• Greatly increased capacities of local NGO Borneo Institute
• Organized a one month training for nine farmers from Gunung Mas in Sukabumi West Java, building their capacity to work as field coordinators and nursery operators
• Established four nurseries in the project area; two in Manuhing Raya, one in Manuhing and one in Rabambang
• Built capacity of nursery operators to write business plans
• Conducted socialization according to FPIC (free prior informed consent) standards in seven locations with 408 participants; 225 farmers registered after the training
• Trained 242 farmers to establish and plant intercropped forest plantings
• Distributed 225,000 Sengon seedlings directly to farmers’ fields
• Planted Sengon trees as a basis for multi-species planting systems on 225 hectares
• Established comprehensive monitoring system, including web-based map of project activities ([http://karte.1mtrees.org](http://karte.1mtrees.org))
• Facilitated process of establishing community protection forest in Tehang

Achievements in regard to timber processing:
• Published study on the potential of Sengon in the building sector
• Conducted material testing on Sengon timber

Achievements in regard to the future of the program:
• Submitted two successful proposals for public donors (German Federal Ministry for Economic Cooperation and Development (BMZ) & the International Climate Initiative, German Federal Environment Ministry (BMU))
Program Activities in 2015

Capacity Building for the Borneo Institute  
March 2015-February 2016

An often overlooked task in development cooperation is the cooperation itself. Since before the inception of this program, Fairventures’ most important partner in Central Kalimantan has been and continues to be the Borneo Institute. Over the course of the last year and under the impact of our cooperation and the unfurling 1m Trees program, the Borneo Institute has made incredible progress. It upgraded its legal status from an association to a foundation, doubled the number of employees, and tripled the turnover. It was able to secure the 3-year support of a development worker from Bread for the World (in the picture above on the right), who is supporting the continuing improvement of structures and organizational capacity. The office of the Borneo Institute was renovated and extended to accommodate now nine workstations.

In the coming years, this will be a crucial process to be continued in order to secure a lasting impact of 1m Trees beyond the involvement of Fairventures in Kalimantan.
Continuous Support for the Farmers
March 2015-February 2016

The farmers that planted in 2014 were continuously supported by our field coordinators, the whole team and experts invited to help us assess the quality, growth and nutrition of the trees. The results of good care are sometimes astonishing. The picture above was taken in September, 10 months after the tree was planted.
Nursery Training in Sukabumi
April 2015

Nine farmers from Central Kalimantan were spending the month of April in Sukabumi West Java. This is the location of a nursery and planting area of 1m Trees’ partner company PT Albasia Bhumiphala Persata. There, some of the farmers joined the nursery staff, learning how to turn tiny seeds into beautiful seedlings; others were joining the field staff to learn the ropes of planting management. After their return, the farmers were ready to run nurseries and work as field coordinators for the 1m Trees program.
Financial Training for Nursery Operators
May 2015

Following the technical training in Sukabumi, the future nursery operators joined a financial training, learning how to calculate operating cost, investments and revenue in the nursery business. The aim of this activity was to strengthen their financial skills, since the nurseries we set out to establish will be run as private enterprises, not as a part of the Borneo Institute. The starting capital for the nurseries was provided in form of a loan that was returned when we bought seedlings from the nurseries afterwards.
Establishing Nurseries
June-July 2015

Following the financial training, the farmers received a loan, and we set out to acquire shovels, picks, buckets, shears, wheelbarrows, sprayers, water hoses, tanks, the nets protecting the seedlings from direct sunlight, hundreds of thousands of polybags (the small bags used to grow the seedlings) and even more. In addition, tons of sand, hummus, and good quality top soil had to be transported to the nurseries to mix the planting media (highly nutritious soil to fill into the polybags). The operators quickly started to build the infrastructure and launch the production of seedlings.
Socialization
October 2015

The socialization of 1m Trees follows the strict rules for work on indigenous land set out by the FPIC (free prior informed consent) principles. The principles state that prior to any activities that involve the land of indigenous people, these very people have to be brought into a position to give well-informed consent free of pressure. Of course, this also includes the right to withhold their consent. To reach this consent, the 1m Trees team engages in a multi-step process: opening discussions in a village with an open invitation for everybody, presenting the ideas of the program, modifying them according to the wishes of the community, visiting locations at the potential planting site, ensuring that there is no land conflict and that the most marginalized members of the communities are not excluded, and finally the signing of a document that details the rights and responsibilities of the communities and the field team. After the document is signed, the FPIC is followed by constant interaction between the community and the team to ensure ongoing satisfaction on part of the community and to exclude unintended negative effects of the program.

More information about the FPIC principles can be found on the web site of the Forest Peoples Program under http://www.forestpeoples.org/guiding-principles/free-prior-and-informed-consent-fpic
Farmer Training
November 2015

In November, the farmers that registered to participate in the program took part in a series of field trainings with a very practical focus. Lessons included the preparation of fields, usage of fertilizers as well as planting and caring for seedlings. The farmers were also provided with an illustrated field manual prepared by the forestry team at the Borneo Institute and Fairventures Worldwide. The picture above shows an illustration of the proper spacing of trees in the fields.
Distribution & Planting
December 2015-February 2016

After quality control and sorting in the nurseries, the seedlings were delivered directly to the farmers’ fields by truck. These deliveries were scheduled in the cooler times in the early morning and late afternoon to reduce any stress for the seedlings. The farmers worked together in groups of three to five people to quickly plant the seedlings. In total, 219,000 seedlings were produced and delivered and a total of 225 hectares of degraded land were planted with these trees.

You might wonder why an annual report for 2015 includes activities up until February 2016. The answer is simple: the planting period of our trees is dictated by the rainy season. So February is a more natural cut-off point for this report, as our activities of 2015 will be concluded only with the end of the planting period.
Monitoring
July 2015 – today

As the planting season of 2014/15 concluded, the project team started to realize how immense the amount of data in regard to farmers, areas planted, seedling transportation and management as well as operational would be, once the program runs for a couple of years. To address this challenge at an early stage, the team developed a mapping model and a database. A new partnership with OpenForests from Bonn, Germany, was established to ensure high quality pictures and interactive parts of the project area being available as well as providing transparency with a monitoring and evaluation system. This system has been set up since July and already satisfies most of the needs of the team, yet the technology allows potential extensions into broader areas. More about our work in regard to monitoring and innovative connections between farmers, implementers and supporters will be published in 2016.

The webmap can be found under [http://karte.1mtrees.org](http://karte.1mtrees.org)
One of the ultimate goals of 1m Trees is the protection of the precious little remaining rain forest in Borneo. Our main tool to achieve this goal is the substitution of timber from natural forests with timber from sustainably managed planted forests. In addition, the income generation opportunities of the local population are increased while fewer people will have to resort to illegal logging as a source of income. Over the course of the last year, we were happy to realize that members of the communities we are working with want to protect parts of their forest directly. In November, the community in Tehang decided to declare a part of the forest close to the village as their cultural forest (*hutan adat*). The community limits access to the forest for everybody, including the community members and wants to receive formal *hutan adat* titles recognized by the government. 1m Trees has supported this process from the beginning and will continue to do so in 2016 and until the area is formally protected.
Study on the Potential of Sengon in the Building Sector
March-December 2015

Starting a cooperation with the University of Applied Sciences Bern, Department of Wood, Architecture and Building in Bienne, Switzerland, an advanced student of the university joined the 1m Trees team for a one year internship in March 2015. Among other tasks, he prepared a report on the potential of Sengon timber in the Indonesian building sector. The study is available on our website, albeit in German language only (http://fairventures.org/ueber-uns/downloadseite/). The study points out that Sengon is very suitable for building and interior works, as the timber is light in weight but remarkably strong and shows a certain resistance to fire.
On Fire and Haze

The peatland fires and the subsequent haze in Indonesia gathered a lot of media attention around the world. The provinces most affected were Riau on the island of Sumatra and Central Kalimantan. Consequently, our work was affected and many activities had to be postponed until up to one and a half months. Almost the entire staff had to be evacuated from Palangka Raya as particle concentrations in the air surpassed 1,000 p/m$^3$ (the official scale only covers concentrations up until 500 p/m$^3$, which is rated highly unhealthy). Fortunately, our program areas are situated more than 200 km from the main hotspots of the fires. Nonetheless, the fires took on toll on our program as well. Three hectares of trees planted in 2014 burned down following a fire caused by flying sparks from a larger fire in some kilometers distance. The farmers resolved not to be discouraged, and were replanting in 2015.

For those interested in the facts about fire and haze in Indonesia, the link below leads to a blog on the topic hosted by the Centre for International Forestry Research, that offers a wealth of information:

**Acknowledgements**

The program and our success story in 2015 would not have been possible without the contribution of our donors and the support of many people around the Yayasan Borneo Institute and Fairventures Worldwide FVW gGmbH. We would like to express our deepest gratitude for everybody and every institution that supported us in 2015.

**Our Donors in 2015**

- Bread for the World
- Hille-Schmitz Foundation
- Albrecht-Auwärter Foundation
- Weinmann Foundation
- Daimler ProCent
- attempto
- Private donors

Terima kasih banyak! Thank you very much!