
List of VALTIP3 training activities



Training activities - Year 1

Objective 1 training

Activity 1.2 - One PhD student (Ms Soythavanh Mienmany, ANU), one Graduate student (Ms Sangkhan Bounthaphan NUoL FoF) and two LPTP staff (Mr Bouthan Souksavath, Mr Sichanh Chandiphit) were trained in value chain field work techniques. Ms Mienmany, Mr Souksavath and Mr Chandiphit participated in three weeks of field work for value chain assessment of the Luang Prabang teak value chain and Ms Bounthaphan and Mr Chandiphit participated in 2 weeks of field work for value chain assessment of the Xayaboury teak value chain.



Figure 1: Mr Stuart Ling, Mr Bounthan Souksavath, Ms Soythavanh Mienmany and Mr Sichanh Chandiphit doing value chain training in Luang Prabang Province.

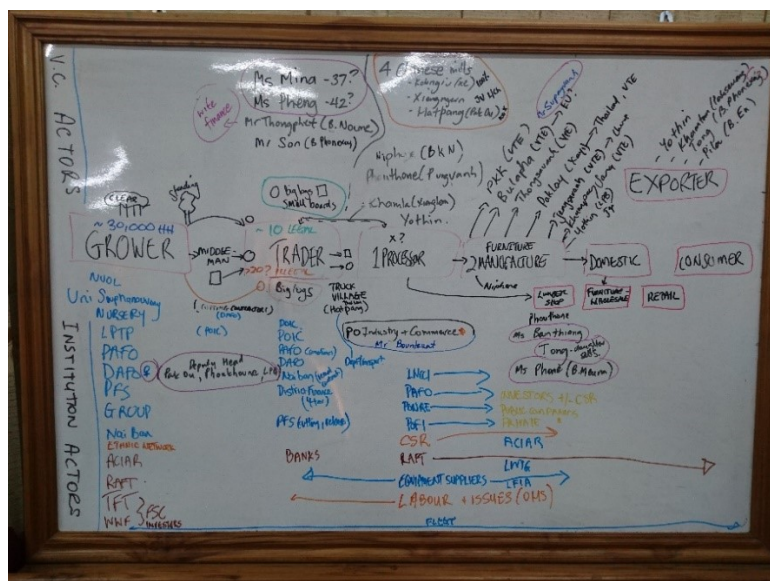


Figure 2: Value Chain Mapping for Luang Prabang Teak

Activity 1.3 - Four LPTP staff were trained in field inventory techniques, two staff were trained in inventory supervision including map production, data checking and entry, and problem solving. One LPTP staff member (Mr Hongkham Seananachak) has been further trained in plantation mapping and GIS analysis techniques.



Figure 3: Inventory training in Luang Prabang

Training on veneer peeling

Researchers and students from Faculty of Forestry, NUoL, were trained in peeled veneer grading and quality characterisation as part of eucalypt and teak veneer recovery studies (Figure 12 and 13). Ten FoF students were involved in the eucalypt recovery study and nineteen in the teak study which allowed them to learn about the procedures involved in the trials.

Dr Adam Redman provided training in log grading for quality at the Burapha company (Vientiane) to the industry staff and NUoL students (Figure 14).



Figure 4: National University of Laos students attend the training in peeled veneer grading and quality characterisation as part of a study for New Forests company.



Figure 5: Teak recovery study involving NUoL students



Figure 6: Dr Adam Redman (second from right) providing industry staff and student training in log grading for quality at the Burapha company (Vientiane).

Mr Jack Norton (wood durability consultant) and Dr Adam Redman undertook a termite and fungal durability workshop with participation from Laos Government policy makers, company managers, university researchers and students. An intensive training for VALTIP3 researchers and FoF students was also undertaken on establishing long term termite and fungal durability trials at the National University of Laos (Figure 15). The training attracted thirty-six trainees.



Figure 15: FoF students and researchers participate in establishing long term termite and fungal durability trials

Mr Outhit Sayavong (Tony) of NUoL held a training workshop for 13 final year FoF students who had low scores of their study. The training included the following topics:

- Log grading before sawing.
- Kiln drying of timber;.kiln operation and maintenance.
- Production stages after timber is dried.
- How to repair various woodworking machines.
- Safety requirements in using woodworking machines.

Mr Outhit Sayavong has also provided support to 16 final year FoF students in completing their projects.

Training for companies

Training and technical advice to Burapha company.

Burapha has manufactured and is now using concrete weights as rack tops to minimise distortion of the upper layers of their eucalypt material. The company is also in the process of constructing baffles (made from wood offcuts) in all of their kilns. These are impacts from VALTIP2 project as these recommendations to the company were made during this project.

Adam Redman provided training and technical advice to the Burapha company on how to improve product quality and develop new products which may open new markets.

An advice was provided on solar pre-heating water prior to entering the boiler as a means to save energy.

Technical support to Niphone wood processing enterprise in Luang Prabang

A kiln was built as part of a joint Japanese NGO project but it was not properly designed. Adam Redman and Outhit Sayavong improved the airflow in the kiln by constructing baffles using metal sheeting and structural steel. The baffles were put in place and were hinged so that they can accommodate different timber pack sizes (Figure 16). Vast improvements were made in the airflow where very little airflow was recorded through the stack originally compared with at least a tripling of the airflow after baffling. This modification to the kiln has already improved the quality of dried timber and decreased the drying time by 50% which will provide significant savings and faster production times. Mr Niphone, the owner of the company was extremely grateful for the support provided.



Figure 16: Installation of baffling in Mr Niphone's kiln in Luang Prabang (left: before baffles were installed, right: timber stack with baffles installed)

Training activities – Year 2

Intensive training was provided to the Lao project team and students from Faculty of Forestry, NUoL during Year 2 of the project term. The list of training activities has been provided in Table 2.

Training at NUoL EWP's facilities focused on peeled veneer grading, quality characterisation and product development for plantation eucalypt, teak and rubberwood (Figures 1 – 4).

Mr. Khonethong Soukphaxay from the FoF at NuoL participated in value chain assessment of rubberwood in Northern Laos.



Figure 1: Training on veneer gluing by Rod Vella, DAF.



Figure 2. Training for two Lao researchers from NUoL on veneer production at Salisbury Research Centre, Brisbane.



Figure 3. Young VALTIP3 researcher, Khonethong trains students on veneer grading



Figure 4. Veneer Production and Veneer Grading Workshop provided for year 3 and year 4 students by Dr Benoit Belleville, UoM.

Table 2. Record of training provided within VALTIP3 Project (2nd Year, July 2018 – July 2019)

No	Name of Training	Dates	Names of trainers	No. trainees	Where they were from	No. women	Location of the training
1	Field work to collect farmers' information for Ms S Meinmany's PhD thesis	5-10/7/18	Dr Hilary Smith	2		1	At Ban Tad Kacham, Xieng Nguen District
2	Field work to collect farmers' information for Ms S Meinmany's PhD thesis	2-7/8/18	Dr Hillary Smith	2		1	At Ban Houeyphang, Ngoi District
3	South East Asia-National Governing Bodies - collaboration workshop organised by PEFC	1 st Oct.2018	South East Asia PEFC team		South East Asia PEFC		Faculty of Forestry Science, Vientiane
4	Training on ASEAN consultative on standards and quality working group2: Forestry certification capacity building for future cooperation	2 nd Oct.2018	South East Asia PEFC team		South East Asia PEFC		Faculty of Forestry Science, Vientiane
5	Engineered Wood Product Development Training – funded by The Crawford Fund	2-12/9/2018	DAF team	3	Mr. Outhit Sayavong, Dr. Oudone Sichaleune and Mr. Saysamone Phengmounkhoun		DAF, Brisbane
6	ACIAR workshop on developing DNA-based chain of custody systems for legally-sourced teak	25 – 26/9/2018			NAFRI		Luang Prabang

7	Plywood and Composite Products Workshop	15 - 19/10/2018	Valtip3 and Australian Team	27	Students and staff of the Faculty of Forestry Science	10	Faculty of Forestry Science, Vientiane
8	Veneer products and adhesive applying Workshop	25 – 30/11/2018	Mr. Rod Vella, Dr Adam Redman & Dr Benoit Belleville	27	Students and staff of the Faculty of Forestry Science	9	Faculty of Forestry Science, Vientiane
8	Veneer production and Grading Workshop	29/4 - 8/5/2019	Dr. Benoit Belleville	21	Students and staff Faculty of Forestry Science	3	Faculty of Forestry Science, Vientiane
9	Lecture for FOF, NUoL students about timber as a sustainable and renewable material for the construction sector.	10/05/2019	Dr. Benoit Belleville		Bachelor students at the Faculty of Forestry Science	70	Faculty of Forestry Science, Vientiane