

POSITION TITLE AND NO.	Wood processing Expert
NAME OF EXPERT	Khamtan Phonetip
DATE OF BIRTH	22 June 1984
COUNTRY OF CITIZENSHIP/RESIDENCE	Lao PDR
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EDUCATION:

INSTITUTION(S)	DIPLOMA(S)
University of Melbourne, School of Forest and Ecosystem Sciences, Australia (2014 – 2018)	Phd Wood Processing Technology Phd thesis: Investigating optimized drying methods for Eucalyptus delegatensis using a solar kiln
Borås University, Sweden. (2010 - 2011)	Master Degree (Engineering) in Quality and Environmental Management Master thesis: Improvement of Manufacturing Quality Burapha Wood Company in Laos
National University of Laos, Lao PDR (2002 – 2007)	Bachelor of Science on Forestry Bachelor thesis: Utilization of Non-timber forest products of Nongnong village (Thailand) and Nongboua village (Laos)

EMPLOYMENT RECORD RELEVANT TO THE ASSIGNMENT:

PERIOD	EMPLOYING ORGANISATION POSITION HELD REFERENCE CONTACT	COUNTRY	SUMMARY OF ACTIVITIES PERFORMED RELEVANT TO THE ASSIGNMENT
From October 2007 to Present	Organization: Department of Forest Economics and Wood Technology Faculty of Forest Science, National University of Laos Position: Lecturer Reference Name: A/Prof Latsamy Bouphe E-Mail: l_bouphe@yahoo.com	Lao PDR	<u>Description of key responsibilities:</u> <ul style="list-style-type: none"> • Teaching and Tutoring subjects: <ul style="list-style-type: none"> - Drying timber - Wood science - Wood Utilization - Pollution and Occupational health and Safety (OHS) in wood industry - Quality Control for wood processing - Woodtech Laboratory facilitator o Current Supervisions • Supervising BSc students' thesis • Supervising MSc students' thesis • Co-supervisor for one Ph.D student working on thermal wood treatment for adding value of teak plywood products at Karsetsart University, Thailand • Co-supervisor for one Ph.D student working on export/import measures for wooden products at the Faculty of Forest Science, National University of Laos. • Testing plywood products for wood industry • Built a laboratory solar kiln for the Faculty of Forest Science
From October 2007 to Present	Organization: Australian Centre for International Agricultural Research (ACIAR) and the National University of Laos Position: Communication Leader		Project Title: Value Adding to Lao PDR Plantation Timber Products (VALTIP 1) from 2007-2011 <ul style="list-style-type: none"> - Assisted in communication between the project research fellows and wood processing companies in Laos - Assisted international experts in fieldwork Project Title: Enhancing key elements of value chain for plantation grown wood in Lao PDR (VALTIP 2) from 2012-2016 <ul style="list-style-type: none"> - Drafted the project proposal with the Country coordinator (I was involved in the beginning of the project only)

	Reference Name: Dr Hilary Smith E-Mail: hilary@latitudeforestservices.com.au		Project Title: Advancing enhanced wood manufacturing industries in Laos and Australia (VALTIP 3) from 2017-2022 - Communicating with internal organizations and research fellows from Australia side. - Lead Lao research fellows in Lao side to conduct several research projects, i.e. drying timber, veneer/plywood research, training labourers for wood processing companies, conducted researches in gender of wood processing. More details http://laoplantation.org/valtip3/publications/reports/
From July – August 2021	Organization: Department of Industry and Handicraft, MOIC, Laos Position: National consultant Reference Name: Souliphone Kongxeangchit E-mail: ksouliphone@yahoo.com	Lao PDR	Assessing the implementation of input and output monitoring system or manufacturing chain of custody in Laos No.0777/MOIC.2020
From Mar 2021 to Mar 2022	Organisation: International Trade Center (ITC) through Lao ARISE PLUS Position: National Consultant Reference Name: Alex Karsterine E-Mail: kasterine@intracen.org	Lao PDR	Support an international consultant in developing training modules: 1) Products with potential for the EU Markets 2) EU Market requirements for wooden products 3) Market research and strategies 4) FSC certification (Chain of Custody) 5) facilitating Export into EU and Due Dilligence 6) Material accounting and - management considering Laos' national legal requirements on input-output monitoring 7) Basic of timber drying 8) Rapid assessment of wood industries to meet the export's requirement.
From July 2021 to Nov. 2021	Organisation: SwedFund Position: National consultant Reference Name: Esa Puustjärvi E-mail: esa.puustjarvi@induforgroup.com	Lao PDR	1) work with the National Project Coordinator and other government staff assisting them to prepare for the stakeholder workshops (agenda, invitations, materials, support staff are in place). There is one workshop at the central level, two at the provincial level and one final meeting with the Cabinet 2) Present the findings of the Task Force regarding the "opportunity" (part 1 of the main report) at the stakeholder workshops, Cabinet meeting and other stakeholder meetings as needed (e.g. meetings at MAF, MONRE, MOIC, MPI, MOF) 3) together with the Task Force Members identify and implement strategies to secure the buy-in for the findings and recommendations of the Task Force in a manner that secures their subsequent implementation 4) translate documents from English to Laos as needed and assist with interpretation in meeting as necessary
From 2019 to 2020	Organization: Partnership actions for Cooperative Telecoupling (PACTs) Position: Consultant Reference Name: Dr Thoumthone Vongvisouk	Lao PDR	Project Title: Reduction procedures and costs related to transportation of agricultural products <u>Description of key responsibilities:</u> • Conducted consultation with PAFO, PONRE in Loung Namtha province, Northern part of Laos. • Writing report of the findings

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From Jan 2019 to Feb 2019	Organization: The Centre for People and Forests (RECOFT) Position: Field research assistant Reference Name: Bounyadeth Phouangmala E-Mail: bounyadeth.phouangmala@recoftc.org		Project Title: A Social Analysis of FLEGT: Analyzing Opportunities and Risks for Wood Processing and Furniture Small and Medium Enterprises in Lao PDR <u>Description of key responsibilities:</u> provide translation support to RECOFTC Lao PDR on a field assignment
From Oct. 2018 to Oct 2019	Organization: with Rural Research and Development Promoting Knowledge Association (RRDPA) Position: National consultant assistant Reference Name: Sisavath Chanhthaleuxai E-Mail: sisavath@rrdtc.org	Lao PDR	Project Title: Timber supply chain of Village Use Forest (VUF) in Lao PDR <u>Description of key responsibilities:</u> <ul style="list-style-type: none"> • Develop questionnaires • Interviewing villagers on the supply chain of Village Use Forest in Laos (a case study in Khammuan province). • Writing report
2018, 2019, 2020, 2021, 2022	Organization: Preferred by Nature Position: International Auditor Assistant Reference Name: Pratama Bagus Kurniaji E-Mail: pkurniaji@preferredbynature.org	Lao PDR	Assisted auditing for FSC Certification in Lao PDR
From 2007 to 2010	Organisation: Lao Network for Agroforestry Education Position: Country Coordinator Assistant Reference Name: A/Prof Latsamy Bouphe E-Mail: l_bouphe@yahoo.com	Lao PDR	<ul style="list-style-type: none"> • Communicated with agricultural school in Northern and shouter part of Laos • Organized the training workshops and meetings.
Feb 2022	Organization: The Centre for People and Forests (RECOFT) Position: Field research assistant Reference Name: Bounyadeth Phouangmala		Project Title: Sustainable Forest Trade in Lower Mekong Region UNREDD <u>Description of key responsibilities:</u> <ul style="list-style-type: none"> • Guest speaker for the SFT local training on Module1: Introduction to certification mechanisms and initiatives – Session3: Supplying timber to certified companies through controlled wood and/or controlled sources and Session4: Sustainable Forest Management through Group certification

	E-Mail: bounyadeth.phouangm ala@recoftc.org		
Jul-Nov 2022	<p>Organisation: International Trade Center (ITC) through Lao ARISE PLUS</p> <p>Position: National Consultant</p> <p>Reference Name: Alex Karsterine E-Mail: kasterine@intracen.or g</p>	Lao PDR	<p>Project Title: Selected pilot companies (small and medium sized) targeted by European support benefit from sustainable access to legal raw materials and enhanced their capacity for export of wooden products.</p> <p>The Project outcome is agreed as (project goal): Achieved pilot project results are up-scaled to national level addressing various ways of access to legal raw material and pave the way for increasing export of wooden products with increased value added.</p> <p>The envisioned project also emphasizes the understanding of necessary internal and external measures all targeting viable methods to strengthen reliable legal timber supply while differentiating between individual sector segments (product range, size and level of organizational grade) of the timber processing industry.</p>
Jul-Oct 2022	<p>Organisation: GIZ</p> <p>Position: National Consultant</p> <p>Reference Name: Walter, Charlotte GIZ LA E-Mail: charlotte.walter@giz.de</p>	Lao PDR	<p>Project Title: Assessing the export potential of Lao plywood and engineered wood products to Vietnam</p>
May-Oct 2022	<p>Organisation: ARISE PLUS LAO</p> <p>Position: Lead coach of Quality Champions</p> <p>Reference Name: Margareta Funder E-Mail: funder@intracen.org</p>	Lao PDR	<p>Project Title: Supporting SMEs through 33P training program</p>

PUBLICATIONS:

1. **Phonetip, K.** (2006). The NTFP (Non Timber Forest Products) Utilization of the Villagers in Nongboua (Laos) and Nongngong (Thailand) (Unpublished BSc Thesis).
2. Barbara Ozarska, Mihai Daian, Gerry Harris, Philip Ashley, Latsamy Boupha, **Khamtan Phonetip**, Douangta Bouaphavong (2007), Detailed Analysis of Current Capabilities of Companies Involved in the Industry Cluster and Recommendations on Improved Processing, Drying and Manufacturing Processes Suitable for Application in Laos.
3. CONSERVATOIRE DE BAMBOUS DU VIETNAM , Jan 2009. Les Bambous d'Indochine. Utilisation del'informatique pour transmettre l'expertise taxonomique et les connaissances vernaculaires.
4. Barbara Ozarska, Mihai Daian, Gerry Harris, Philip Ashley and **Khamtan Phonetip** of National University of Laos (2009), Implementation of Recommended Changes in Factory Layouts.
5. **Phonetip, K** and Zahra Rashidian (2011), Improvement of Manufacturing Quality Burapha Wood Company in Laos (published MSc thesis). <http://bada.hb.se/handle/2320/9117>
6. **Phonetip, K;** Ozarska, B; Brodie, G; Harris, G; Belleville, B (2016) Quality Assessment of Eucalyptus delegatensis dried in the Solar kiln, the paper has been accepted by the Committees of IUFRO-International Conference in Vancouver, Canada 12-16 June 2017
7. **Phonetip, K;** Ozarska, B; Brodie, G (2016) Comparing two internal check measurement methods for wood drying quality assessment. *European Journal of Wood and Wood Products*, Volume 75, Issue 1, pp 139–142
8. **Phonetip, K.,** Ozarska, B., Belleville, B., & Brodie, G. (2017). Using a conventional laboratory kiln as a simulation of solar cyclic drying. Paper presented at the IUFRO Division 5 Conference/ SWST 60th International Convention Forest Sector Innovations for a Greener Future, 12-16 June in Vancouver, Canada.
9. **Phonetip, K.;** Ozarska, B.; Belleville, B. and Brodie, G. (2018). Comparing two intermittent drying schedules for timber drying quality. *Drying Technology Journal* February 21, 2018.
10. **Phonetip K;** Ozarska, B; Brodie, G; Belleville, B; Boupha, L (2018) Applying a GISbased Fuzzy Method to Identify Suitable Locations for Solar kilns Bioresources 13:2785-2799 11) **Phonetip, K.;** Ozarska, B.; Belleville, B; and Brodie, G. (2018). Simulating solar kiln conditions using a conventional kiln. *BioResources* 13(2), 3740-3752.
11. Soukphaxay, **K., Phonetip, K.,** Boupha, L., Saetern, L., Khammanivong, K., & Yu, F. (2019). Mechanical Properties Assessment of Laminated Veneer Lumber from Teak 4 Plantation in Laos. *Walailak Journal of Science and Technology (WJST)*, 18(1). Retrieved from <http://wjst.wu.ac.th/index.php/wjst/article/view/6539>
12. **Phonetip, K;** Boupha, L; Sichaleune, O; Khammanivong, K; Xiong, S; Phommachan, P; Keolakhone, S. (2020). Flattening bamboo for flooring products. *National University of Laos*.
13. **Phonetip, K.,** Boupha, L., Phanouvong, B., Sichaleune, O., Khammanivong, K., & Bouaphavong, D. (2020). Dry a standing teak tree using a solar kiln drying method . *Walailak Journal of Science and Technology (WJST)*, 18(1). Retrieved from <http://wjst.wu.ac.th/index.php/wjst/article/view/9384>
14. Sichaleune, O; Boupha, L; **Phonetip, K.** (2020) Physical property assessment of rice husk panel, KFAS.
15. **Phonetip, K;** Boupha, L and Boupha, S; Khambouddaphan, S. (2021) Designing and Building a suitable solar kiln for Vientiane's geography and climate. *Research report of VALTIP3 project.*
16. Ling, S; **Phonetip, K;** Soukphaxay, K; Chaisee, S and Sittivong, K. (2021) Livelihood impacts for women due to employment in teak wood processing factory. *Research report of VALTIP3 project.*
17. Boupha, L; Thorathy, S; **Phonetip, K;** Phommachan, P; Khambouddaphan, S and Tiemmaliya, S. (2021) Flattening bamboo using a hot pressure machine ການແລມໄມ້ບ້ອງ ດ້ວຍວິທີການໃຊ້ເຕັ້ອງຈັກອັດຮ້ອນ, *research report of VALTIP3.*
18. Saetern, L; Souphaxay, K; **Phonetip, K** and Souphalack, K. (2021) Physical property assessment of rice husk panel, *research report of VALTIP3.*
19. **Phonetip, K;** Ling, S; Boupha, L; Thorathy, S; Sichaleune, O; Khambouddaphan, S Ontavong, L. (2021) The Contribution to Lao Wood processing sectors of the Wood Science and Wood Products Research Center (WS-WPRC)- training facility supported by ACIAR-VALTIP3
20. **Phonetip, K;** Souvansai, D; and Belleville, B. (2022) Equilibrium Moisture Content map for Laos. *BioResources* 17(2), 2428-2442.
21. Belleville, B; Fehrmann, J; and **Phonetip, K.** (2022). Development of EWPs - Rattan and Bamboo Mats as Cover for Non-Structural Constructions. *research report of VALTIP3.*
22. **Phonetip, K;** Brodie, G; and Smith, H. (2022). Effects of solar insolation on the solar kiln performance. *Souphanouvong Journal.*
23. Bouaphavong, D; Jarusombiti, S; Veenin, T; **Phonetip, K** & Soukphaxay, K. (2022). Effects of Thermal Treatment on Physical Properties of Teak Veneer (Tectona grandis). *BioResources* 17(3), 4705-4712.
24. **Phonetip, K;** Smith, H; and Boupha, L. (2022). Impact assessment of COVID-19 and PMO15 on labour in the plantation-wood processing sector in Lao PDR with policy recommendations. *Souphanouvong Journal.*
25. Bouaphavong, D; Jarusombiti, S; Veenin, T; **Phonetip, K** & Soukphaxay, K. (2022). VENEER RECOVERY OF PLANTATION-GROWN TEAK USING SPINDLELESS LATHETECHNOLOGY. *International Journal of Recent Scientific Research.* 13(17), 1711-1715.
26. **Phonetip, K.,** Boupha, L., Sichaleune, O., Khambouddaphan, S., Ontavong, L., & Soukphaxay, K. (2022). Quality Assessment of Teak Boards Dried in a Solar Kiln. *PROCEEDINGS OF THE 65TH SWST INTERNATIONAL CONVENTION*, 243–252.
27. Soukphaxay, K.; **Phonetip, K.,** Boupha, L., Sichaleune, O. (2022). Quality assessment of glue bond on plywood- Eucalyptus hybrid (Eucalyptus deglupta and Eucalyptus cammaldulensis) based on the length of pressing time. *PROCEEDINGS OF THE 65TH SWST INTERNATIONAL CONVENTION*, 237.

28. **Phonetip, K.**, Sichaleune, O., Ontavong, L., & Soukphaxay, K. (2022). Quality Assessment of Rubber Boards Dried in a Solar Kiln. *National University of Laos*.
29. **Phonetip, K.**, Sichaleune, O., Ontavong, L., Soukphaxay, K., & Khamboudaphan, S. (2022). Added value for plantation rubber board through solar drying method. A manuscript is under review by *the Journal of the National University of Laos*.