



Federal Ministry  
of Food  
and Agriculture



## 60th Session of the International Tropical Timber Council (ITTC)

### Promoting Quality Timber Production in Smallholders and Community-based Teak and Other Valuable Species Plantations in the Tropics (PP-A/54-331A)

2-6 December 2024  
Yokohama, Japan



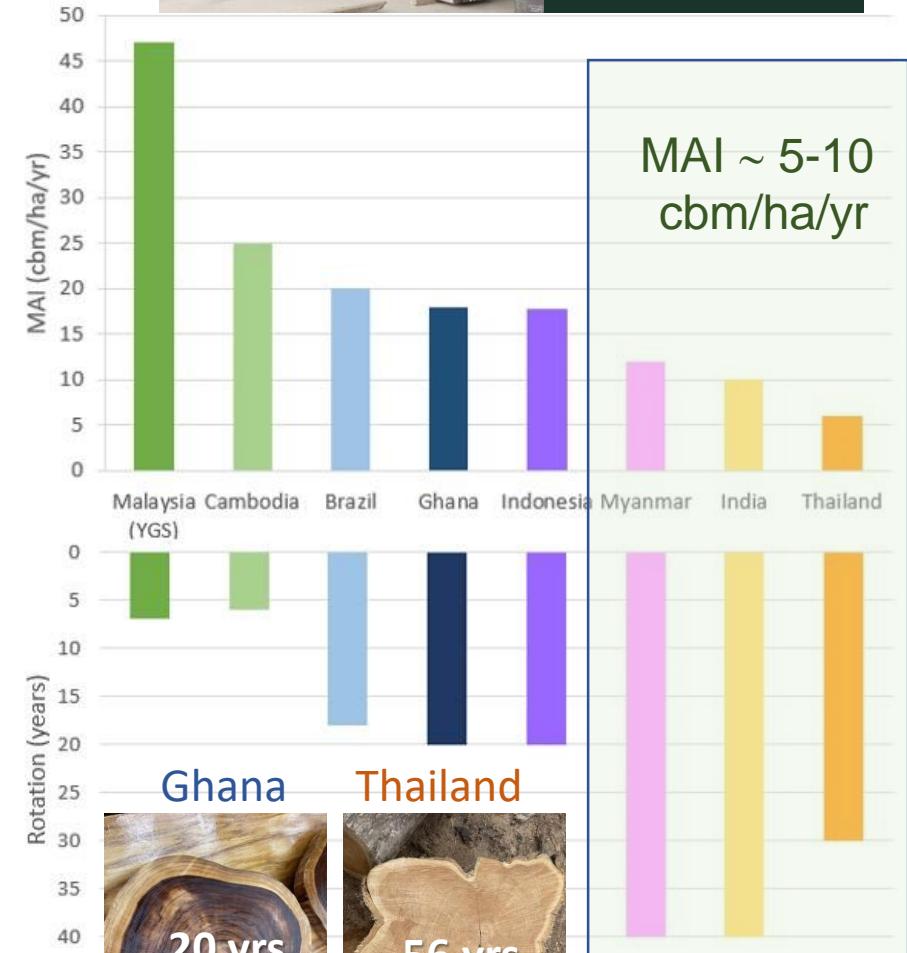
# Challenges & Opportunities

## Challenges

- Planting materials
- Wood productivity and quality (price)
- Long-term investment
- Certification and legal supply chains
- Knowledge sharing and capacity

## Opportunities

- Inter & Nat. wood demands +50% by 2030)
- Wood sources from plantations (49%)  
esp, smallholder plantations
- Source of income and livelihood
- Towards green env. (carbon storage)





# ITTO-BMEL Teak and other Valuable Species Project (Phase II)

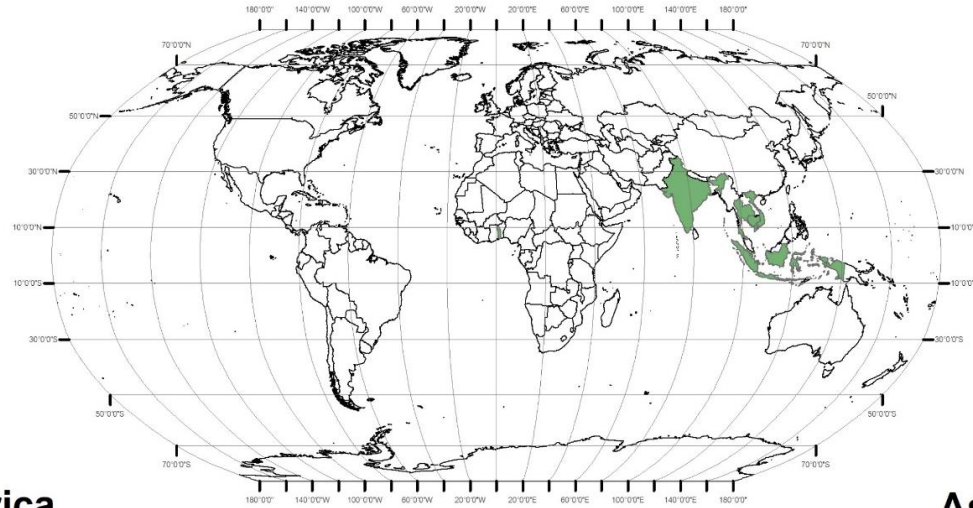


Nov 2023 – Dec 2026 (3 years)



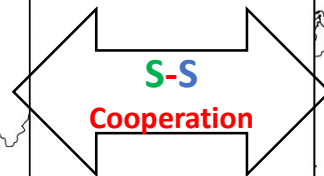
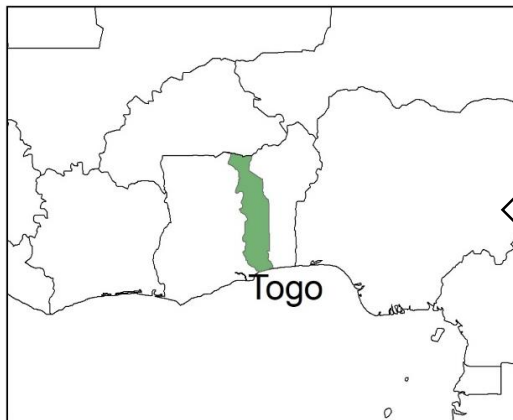


# Participating countries



West Africa

Asia-Pacific



**Budget:** Ministry of Food and Agr. (BMEL),  
Germany **USD 1.4 million**  
**Duration:** Nov 2023 – Dec 2026

## Asia- Pacific

**Cambodia:** Forestry Administration

**Thailand:** Royal Forestry Department and  
Kasetsart University

**Vietnam:** Vietnamese Academy of Forest  
Sciences

**India:** Indian Council of Forestry Research &  
Education

**Indonesia:** Ministry of Environment and  
Forestry

## West Africa

**Togo:** University of Lomé



# Devl. Objective (goal) & objective



## Development objective

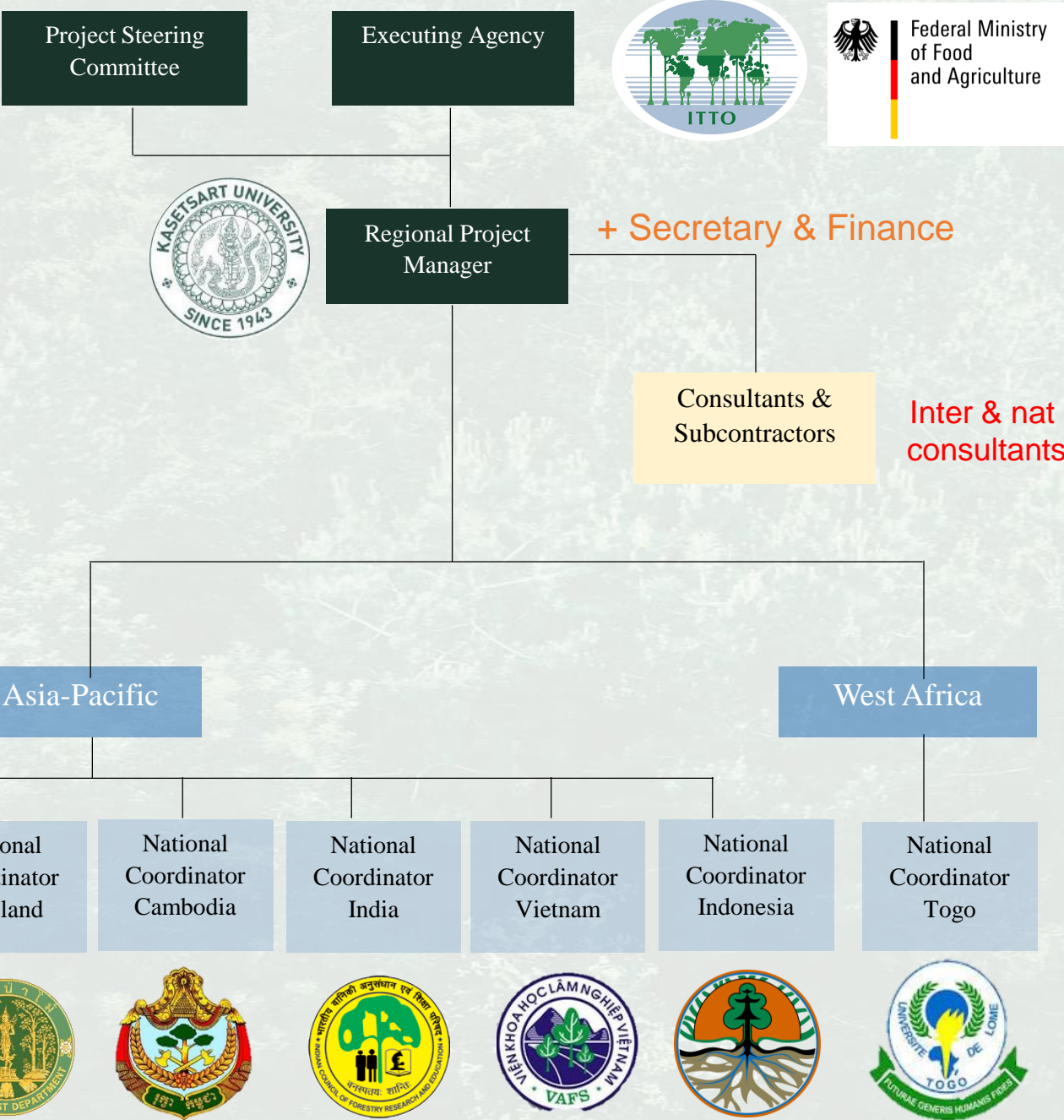
To contribute to increasing the economic and social contributions of **smallholder teak and other valuable species plantations** in the tropics to facilitate the achievement of the SDGs for a sustainable future

## Specific Objectives

- To **improve the production of high-quality timber** from teak and other valuable species plantations established by smallholders and communities;
- To **improve livelihoods and social and environmental** outcomes through better silviculture practices, efficient wood transport and small-scale processing, financial schemes (long rotations) and access to voluntary carbon markets, as well as regional and international collaboration



# Operation Framework



- ITTO
- Donor
- 6 participating countries
- Nat partners
- Experts
- Reg. Proj. Mgt.



### Technical support

Logos of technical support organizations: **FAKNET**, **THÜNEN**, **BRIN** (Badan Riset dan Inovasi Nasional), and **IGES** (Institute for Global Environmental Strategies).



# Outputs and Activities

<b>Output 1</b> <b>(3 activities)</b>	<b>Supply chains of smallholders and community-based teak and other valuable species plantation and management systems strengthened with easy availability of high-quality planting stock and implementation of improved practices in silviculture, and timber processing and legality.</b> Conserve teak and other valuable species genetic variation, demonstration plots and field training, national timber legality
<b>Output 2</b> <b>(4 activities)</b>	<b>Financing schemes for quality timber production in smallholders and community-based teak and other species plantations analyzed and improved</b> Feasibility on contract farming remunerative prices, micro-financing, access to voluntary carbon markets to increase revenues from longer rotation
<b>Output 3</b> <b>(4 activities)</b>	<b>Regional and international collaboration, information sharing and knowledge management, networking strengthened.</b> Produce and disseminate outreach and training materials, teak networking, sharing lesson learns (regional workshops, IUFRO World Congress 2024 (Sweden) and in the 5th World Teak Conference 2025 (India)



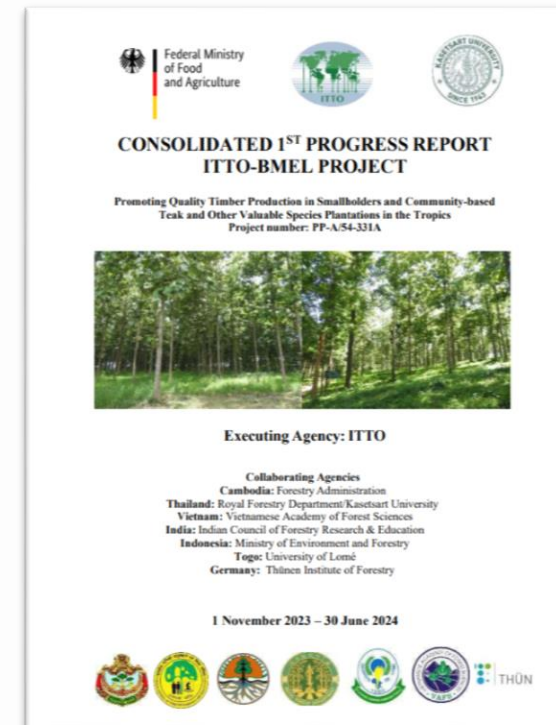


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# Highlights of work

Since Nov 2023  
(12 months)





Yongyut Trisurat, Kasetsart University,  
Thailand



# 59th ITTO Council Meeting

13-17 November 2023 @Pattaya, Thailand





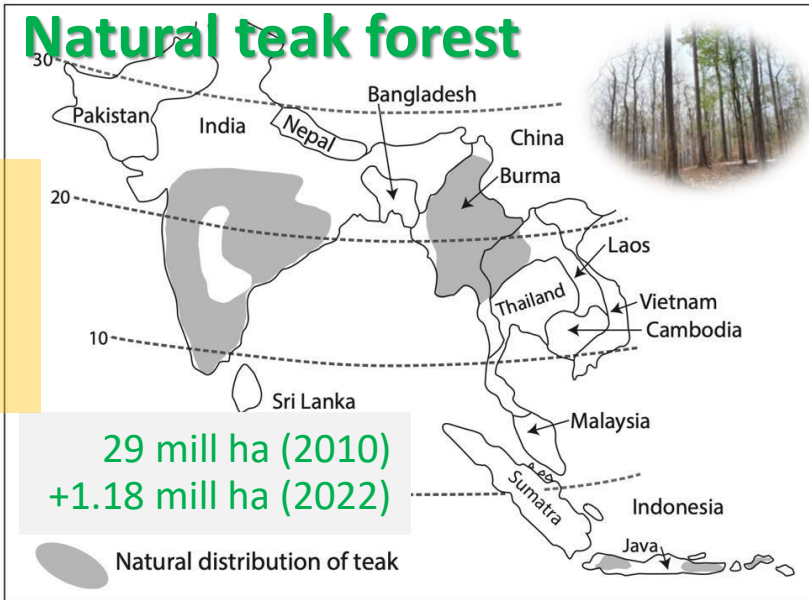
# Outputs and Activities

## Output 1

High-quality planting stock and implementation of improved practices in silviculture, and timber processing and legality.

### A 1.1

**Conserve teak and other valuable species genetic variation** through improved management of existing seed production areas, seed orchards, and provenance/progeny trials/clonal plantations (IND, IDN, THA). .



✓ **Thailand** – completed clonal test of 636 plus trees  
**X IND, IDN**





## A 1.2

# Support smallholders and local communities for improved management of existing and new demonstration plots and field training (12):

(1) seed production/nursery techniques; (2) silvicultural practices; (3) minimizing harvesting loss, and product designs and innovation; (4) value-chains (5) timber legality and sustainability (all participating countries)



**Togo:** *Tectona grandis* and *Khaya* spp. & provenance trails



**CAM:** silvicultural plot



**VNM:** seed production



# Training Workshop on Teak Plantation and Silvicultural Practices, 32 participants @ Nan prov.

## Forest Plantation Campaign in Vietnam





## A 1.3

Promote timber legal compliance in smallholder/community plantations, aligning with national and local laws governing forest plantations, management, timber harvesting and legality (global)

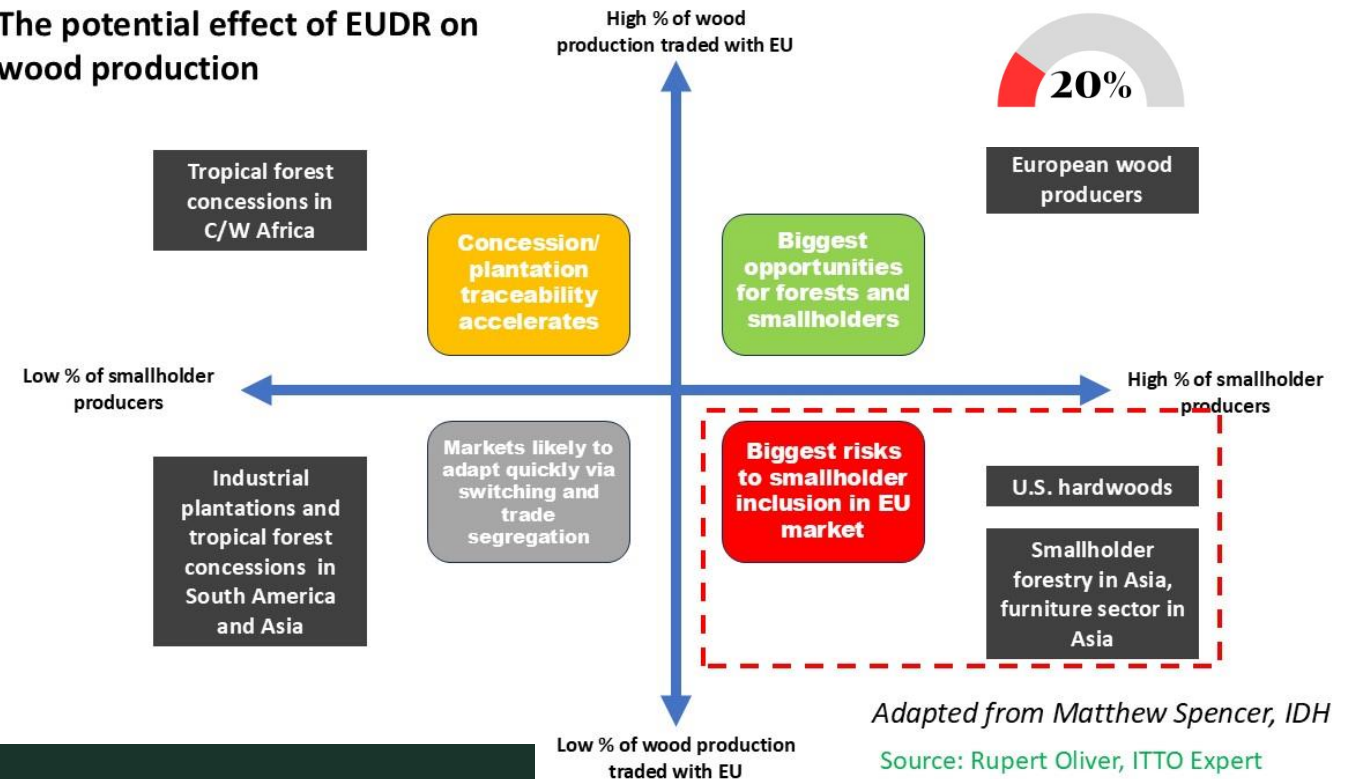


Starting: Sep 2024

- Recruit Taiji Fujisaki, as Consultant#3 Legality



The potential effect of EUDR on wood production



Legality verification of FIO teak log yard



## Output 2

Financing schemes for quality timber production in smallholders and community-based teak and other species plantations analyzed and improved

**Starting: Sep 2024**

- Thunen will collaborate with national coordinators on micro financing



3. Final harvest - optimal rotation period

**NCP**

**15-30 years**  
+ wood quality  
+ higher value  
+ **carbon credit**  
+ biodiversity/env.

+ **micro-finance incentive**

1. Plantation establishment



Premature harvest  
**10-15 years**

Financial contingency

2. Use of tree collateral-based loan

..... de facto management amongst most smallholders w/ premature harvest

- - - Ideal management, assuming no urgent financial needs

\_\_\_\_\_ Improved management through tree collateral, bridging financial needs (with numbered steps)

**Conceptualization of the tree collateral Schemes**

Starfinger (2022)

## Output 3

# Regional and international collaboration, information sharing and knowledge management, networking strengthened.

### A 3.1



**Produce and disseminate outreach and training materials on the conservation and SFM of teak and other valuable species plantations and legal and sustainable supply chains**



### A 3.2

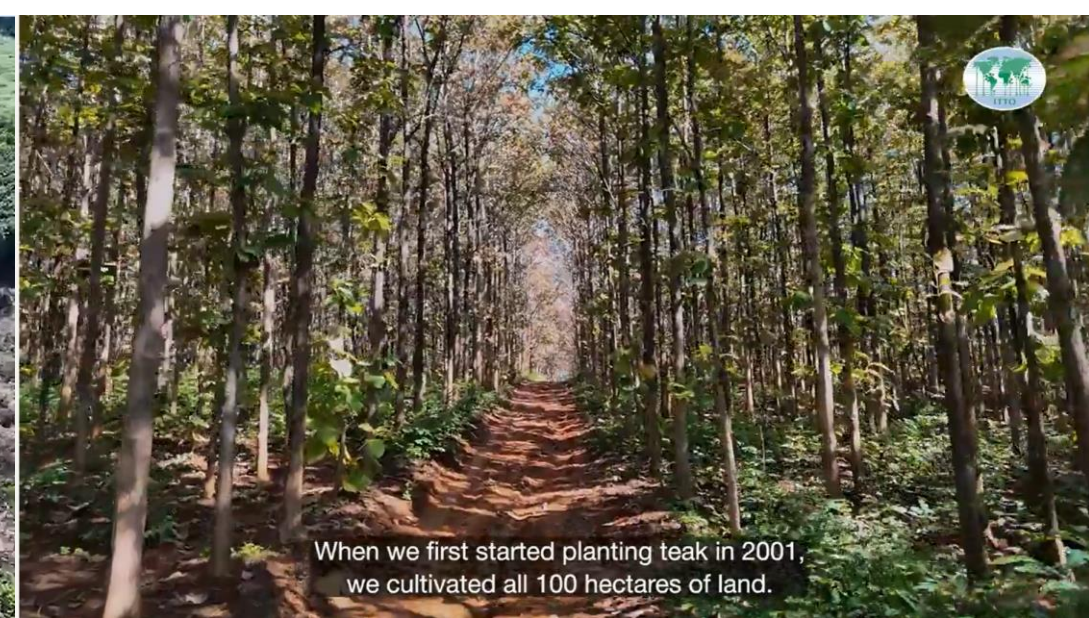


**Support and facilitate teak networking in ITTO's member countries in Africa, Asia-Pacific and Latin America in collaboration with TEAKNET: 12 webinar starting in January 2025**





The teak project in Cambodia is very important since they're now starting to revive their forest industry.



When we first started planting teak in 2001, we cultivated all 100 hectares of land.

## Video about the teak project in Cambodia (Exhibition outside Room#501)



We dry it for about two weeks, spraying it with water during the process.



**Sopheap Lim**  
Deputy Director

Department of Private Forest and Wildlife Management

But we believe that it has the potential to improve the livelihoods of the population and contribute to the country's economy.



### A 3.3



Plan and organize two Regional Workshops in **Thailand** and in central Java, Indonesia with investors and financial institutions to discuss financing schemes promoting quality timber production in smallholder teak plantations (regional scope).



4 keynote presentations; 10 tech presentations  
>60 participants from >10 countries





**A poorly managed 18- year old smallholder teak plantation in Nan province, northern Thailand**



# THAILAND

**A mosaic landscape view of 3.4 year-old commercial teak plantation**



**Medium wood-industry and value-added products factories**



**Teak intercropping with pumpkin**



## A 3.4

Support sharing lessons in promoting the quality teak production and legal and sustainable supply chains at the **IUFRO World Congress 2024** (Sweden) and in the **5th World Teak Conference 2025** (Kerala, India) for improved global teak collaboration (global scope).



**ITTO**

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### Smallholders need more support to grow high-quality teak—ITTO project to lead the way

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📅 2024-10-08

## ITTO Top Story

Top stories

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- ITTO gears up for UNFCCC COP29 to elevate tropical forests in global climate action
- Timber markets in Brazil and China pick up in September
- Boosting Thailand's Domestic Wood Consumption: ITTO's Collaborative Effort with Thailand and Japan
- CBD COP16: The Collaborative Partnership on Forests launched The Forest Factor





# Summary:

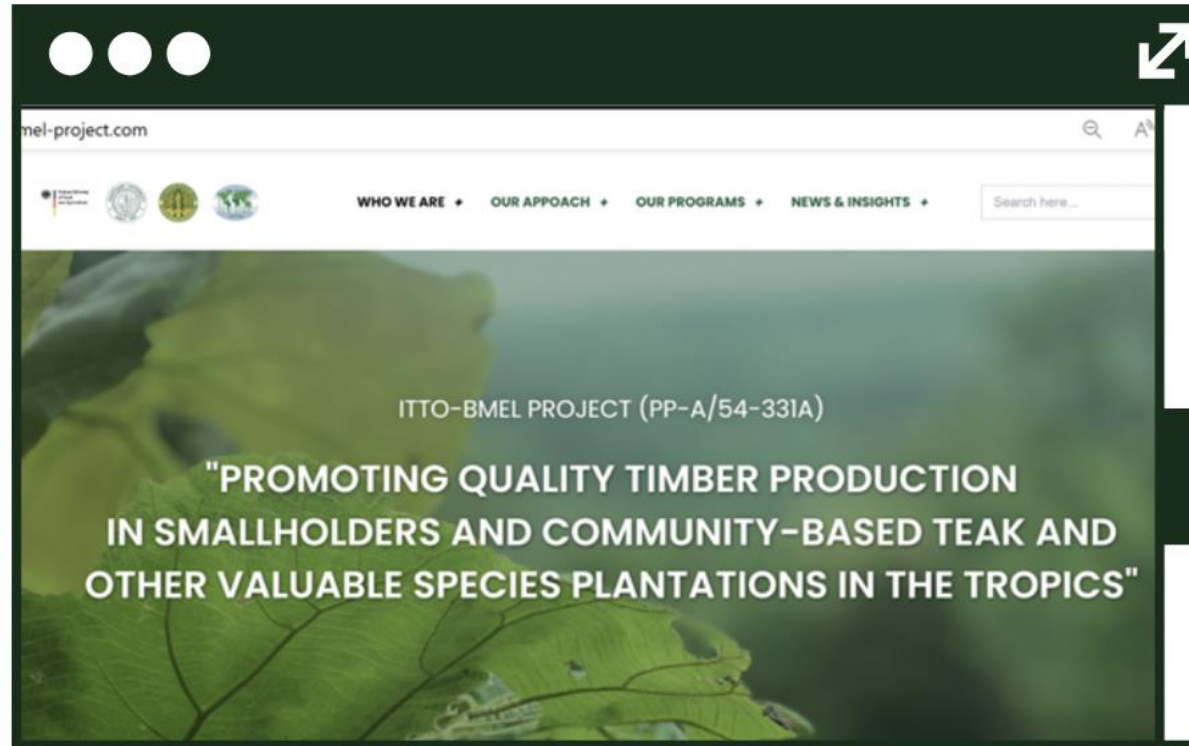
Output 1: Plantation and management systems strengthened	
A 1.1 Conserve teak and other valuable species genetic variation	<div><div></div><div>30%</div></div>
A1.2 Demonstration plots and field training	<div><div></div><div>20%</div></div>
A1.3 Promote timber legal compliance in smallholder/community plantations	<div><div></div><div>20%</div></div>
Output 2: Financing schemes for quality timber production in smallholders improved	
A2.1 Feasibility study for direct contracts/out-grower schemes with sourcing companies	<div><div></div><div>20%</div></div>
A2.2 Promote micro-lending schemes	
A2.3 Reduce transaction costs and help improve access to micro-credits	
A2.4 Study to access to voluntary carbon markets to increase revenues from longer rotation	
Output 3: Regional and international collaboration, information sharing strengthened	
A3.1 Produce and disseminate outreach and training materials	<div><div></div><div>30%</div></div>
A3.2 Support and facilitate teak networking in ITTO’s member countries	<div><div></div><div>10%</div></div>
A3.3 Organize two Regional Workshops	<div><div></div><div>50%</div></div>
A3.4 Support sharing lessons (IUFRO 2024 & WTC 2025	<div><div></div><div>50%</div></div>



# *Congratulations*

The Indian Council of Forestry Research and Education (ICFRE) officially **signs agreement** with **ITTO** to implement the project.





**ITTO-BMEL**  
**Teak in the Tropics**



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**ITTO-BMEL Project website:**  
<https://itto-bmel-project.com/>

