

Federal Ministry of Food and Agriculture







ITTO-BMEL Project

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

Prof. Yongyut Trisurat Regional Project Manager Faculty of Forestry, Kasetsart University



Smallholder Plantation Supply Chains

Upper Stream

- Genetic conservation
- Clonal test & tree improvement
- Good quality material



Intermediate Stream

- Silvicultural practices
- Minimizing harvesting loss
- Smallholder plantation
- Efficient transportation and wood processing
- Forest certification





- Value-added products
 - Marketing (domestic & international)
- Value-chain
- Trade permission & transaction cost



Down Stream





Signing Ceremony for Teak Project at ITTC 54 on 6 Nov 2018, Yokohama, Japan





Gerhard Dieterle, Ex-ED of ITTO (left), and Matthias Schwoerer, BMEL-Germany (right),



ITTO Project: "Enhancing Conservation and Sustainable Management of Teak Forests and Legal and Sustainable Wood Supply Chains in the Greater Mekong Sub-region" (PP-A/54-331)

ITTO-BMEL Project in Mekong

Objective

To demonstrate legal and sustainable teak supply chains with the engagement of local communities, smallholders and government actors in the Greater Mekong Sub-region

Output 1: The conservation of teak genetic resources, sustainable management and use of natural teak forests and market accesses of teak from legal sources have been shown

Output 2: Community-based and smallholders teak forest management and agroforestry systems have been strengthened with improved legal and sustainable supply chains

Output 3: Regional and international collaboration, information sharing and knowledge management, networking, policy development and outreach on the sustainable management of teak forests strengthened



Budget: Ministry of Food and Agr. (BMEL), Germany USD 1,236,250 **Duration:** Mar 2019 – Sep 2022

Challenges: wood productivity







Challenges: Legality and certification

Complicated processes and high transaction cost



Inter. certification.



Vietnam: community certificatein process.



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Prov. certification

Lao PDR

ITTO/RFD ้ส้ำหรับการจัดการสวนป่า และป่าชมชนอย่างยังยืน C&I SFM Nat/RFD certification Smallholder Plantation Certifica "Nan Teak Plantation Enterprise" Santisuk District, Nan Provin **Nan Teak Plantation Enterprise** This Smallholder Plantation Enterprise was assessed using the following standard Criteria and Indicators (C&I) and Chain of Custody (CoC) of which jointly developed by International Tropical Timber Organization (ITTO) and Royal Forest Department (RED) to certify sustainable forest management in smallholder plantations and community forests in Thailand

้ค่มือการใช้เกณฑ์และตัวชี้วัด

The assessment was applied for the following activities

Sustainable Forest Plantation Management at Santisuk District, Nan Province in the area of 111 rai (17.76 ha) for the

This certificate is issued on 29 September 2020 and valid til 28 September 2025



TTO-TEA

Challenges: Lack of financial support for smallholders



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

Conceptualization of the tree collateral Schemes

Starfinger (2022)

Opportunities: Contribute to wood demand



contact: suwanRFD@gmail.com, RFD

ITTO Executive Director Sheam Satkuru

Over time carbon stocks are built up in parallel: absorbed in the trees and soils of the regenerating landscapes and stored in the structures of the expanding cities.



Ursula Von Der Leyen President of the EU Com. State of the Union Address, September 16, 2020



"...harvesting timber sustainably is *not deforestation*...".

29th session of the Asia-Pacific Forestry Com. 2022

"We know that the construction sector can even be turned from a carbon source into a sink, if organic building materials like wood and smart technologies like Al are applies"

Opportunities: GHG emission reduction



Only forest (land-use/land-cover) can reduce carbon emission.

the average carbon stocks in the standing teak plantations in Thailand were 60.5 ton C/ https://doi.org/10.1016%2Fj.cesys.2021.100023



Opportunities: Rotation and Silviculture Matters



+ capacity building

Launching Workshop on Smallholder Plantations

11 Oct 2023, Rama Garden Hotel, Bangkok

Devl. Objective (goal) & 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

Participating countries

Budget: Ministry of Food and Agr. (BMEL), Germany USD 1,413,449



Duration: Nov 2023 – Oct 2026

Asia- Pacific

Cambodia: Forestry Administration

Thailand: Royal Forestry Department/Kasetsart University

Vietnam: Vietnamese Academy of Forest Sciences

India: Indian Council of Forestry Research & Education

Indonesia: Research Centre for Plant Conservation Botanic Garden and Forestry /National Research and Innovation Agency (BRIN)

West Africa

Togo: University of Lomé

Facts

Aim: 4.2 M ha 25 economic species; Tree collateral (financing)





Import teak log of 1 M cbm/yr (94% of global prod.) Manilkara kauki timber, softwood species like Alstonia scholaris, Mahagoni (Swetenia macrophylla)



First introduced by Dutch in 16th century 1.5 HH grow teak in Java



Dalbergia cochichinensis: Tectona gra

Replace Acacia and Eucalypts Community certification Pterocarpus erinaceus, African mahogani) for dry zones and Opepe/Bilinga for forest areas. Aim: 300,000 ha (100,000 ha of teak plantations)

Outputs and Activities

Output 1	Supply chains of smallholders and community-based teak and other			
(3 activities)	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.			
	Conserve teak and other valuable species genetic variation, demonstration plots and field training, national timber legality			
Output 2	Financing schemes for quality timber production in smallholders and			
(4 activities)	community-based teak and other species plantations analyzed and			
	improved			
	Feasibility on contract farming remunerative prices, micro-financing, access			
	to voluntary carbon markets to increase revenues from longer rotation			
Output 3	Regional and international collaboration, information sharing and			
(4 activities)	knowledge management, networking strengthened.			
	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)			



Outreach Plans

International Conferences



Online Newsletter of International Teak Information Network Teaknet Teaknet Bulletin www.teaknet.ord

Volume 16 Issue 4 October 2023	A brief report on a new publication on teak 'Teca' by Embrapa, Brazil is also included for the benefit of the readers. The book presents a comprehensive coverage of a broad range of topics on productivity, genetics, forest integration, precision management, economics, wood quality and forest certification of teak
INSIDE THIS ISSUE	In Brazil. In addition, market price of plantation teak imported to India and our regular column on teak prices are included for the benefit of our readers.
TEAKNET Undertakes New Research Study on Teak Resources and Markets	We invite your continued support and feedback on issues related to teak and enrich us with articles/news items of interest/research papers etc of non-technical nature for inclusion in the bulletin.
ITTO Teak Project -Phase II	2 S.Sandeep TEAKNET Coordinator
Teca (Tectona grandis L. f.) - book	4

ITTO-BMEL project "Promoting Quality Timber Production in Smallholders and Community-based Teak and Other Valuable Species Plantations in the Tropics"

The ITTO-BMEL phase II teak project "Promoting Quality Timber Production in Smallholders and Community-based Teak and Other Valuable Species Plantations in the Tropics", represents a significant step towards enhancing quality timber production from smallholders and community plantations in the tropical regions. The International Tropical Timber Organization (ITTO) is executing this project in six countries in the tropical region namely: Cambodia, Indonesia, India, Thailand and Vietnam in Asia and Togo in Africa. This project is financed by the Government of Germany through the Federal Ministry of Food and Agriculture (BMEL)

anagers with a better understanding of the

Regional Workshops

1- Thailand

WORLD.

2 – Java, Indonesia





5th World Teak Conference in 2025 in Kerela, India



Webinars Open for all





Federal Ministry of Food and Agriculture

Special thanks to BMEL and all participating countries

