



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

59th ITTC; Committee Session CRF



57/3

THÜNEN



Pattaya, Thailand @ 13-17 November

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



Down Stream

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





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-TEAK
IN MEKONG**



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

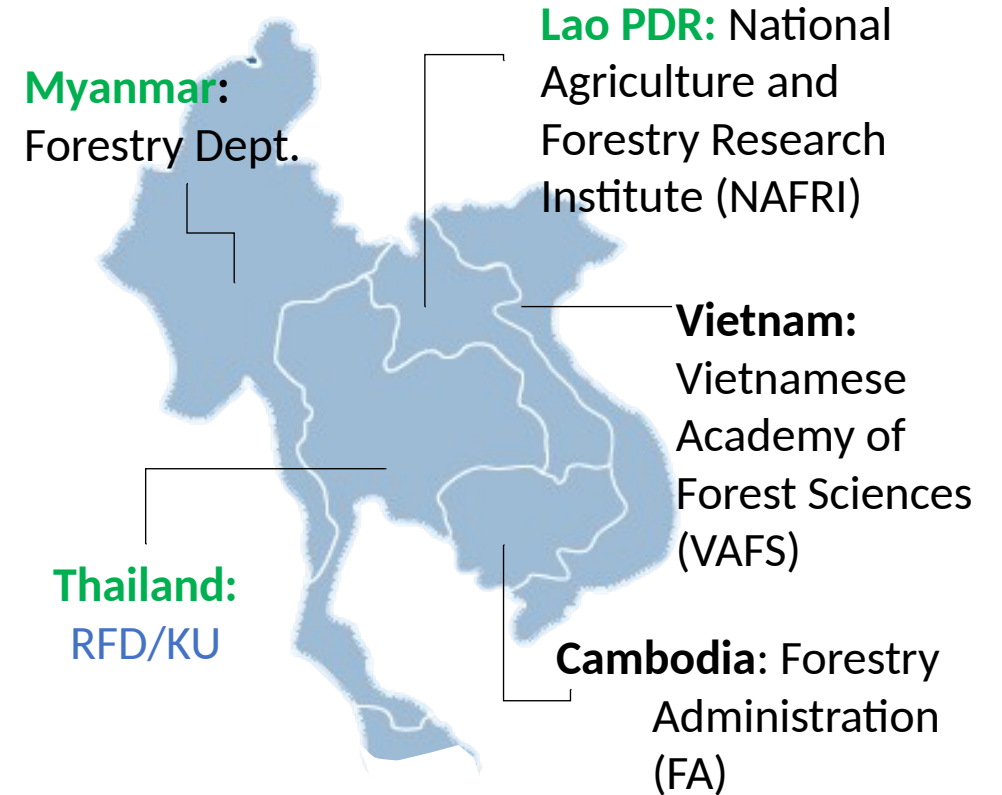
Objective

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

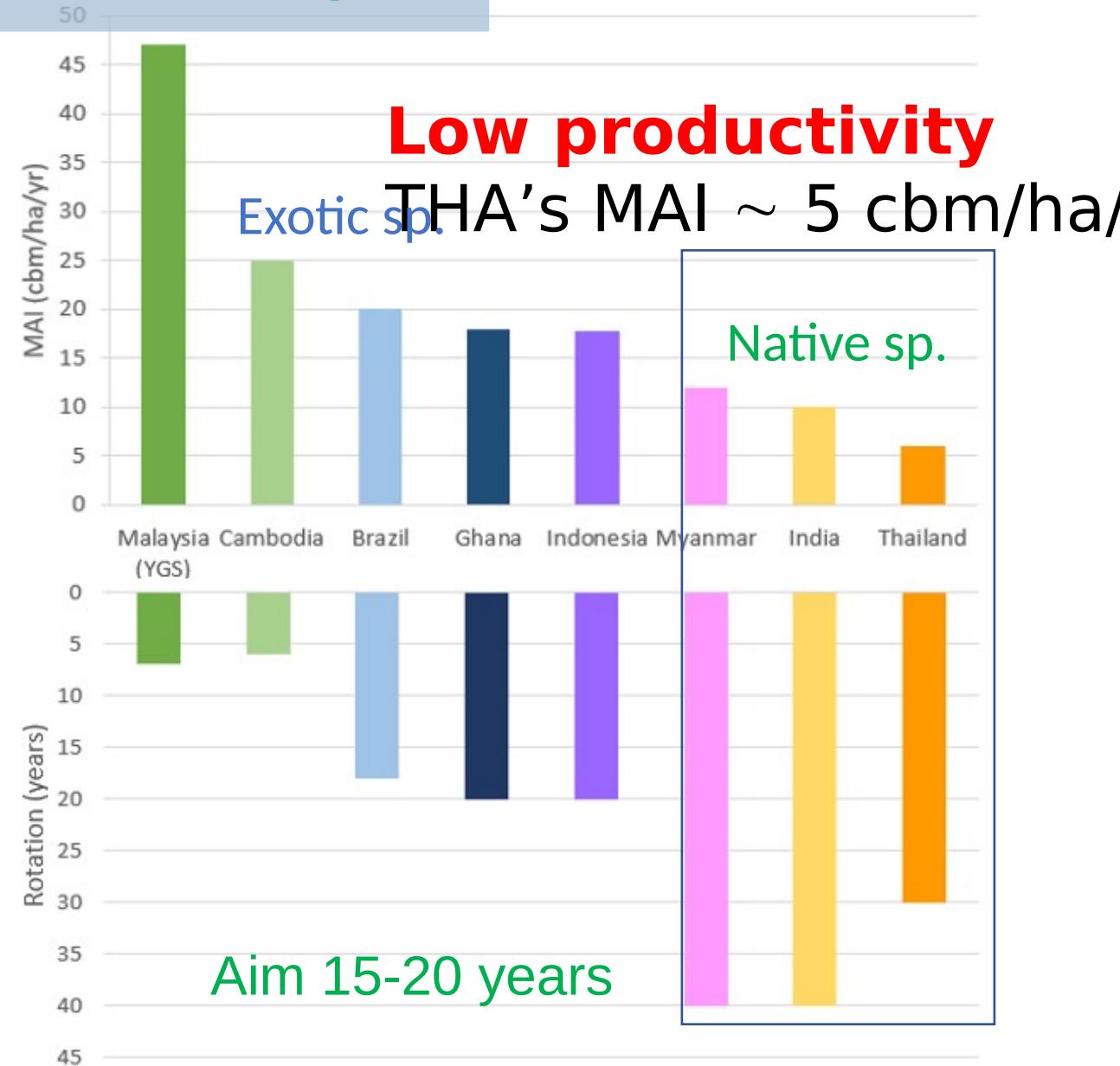
Output 3: **Regional and international collaboration**, information sharing and knowledge management, networking, policy development and outreach on the sustainable management of teak forests strengthened



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.

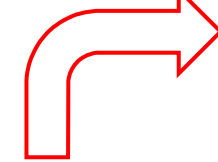


Vietnam: community certificate in process.



Prov. certification
Lao PDR

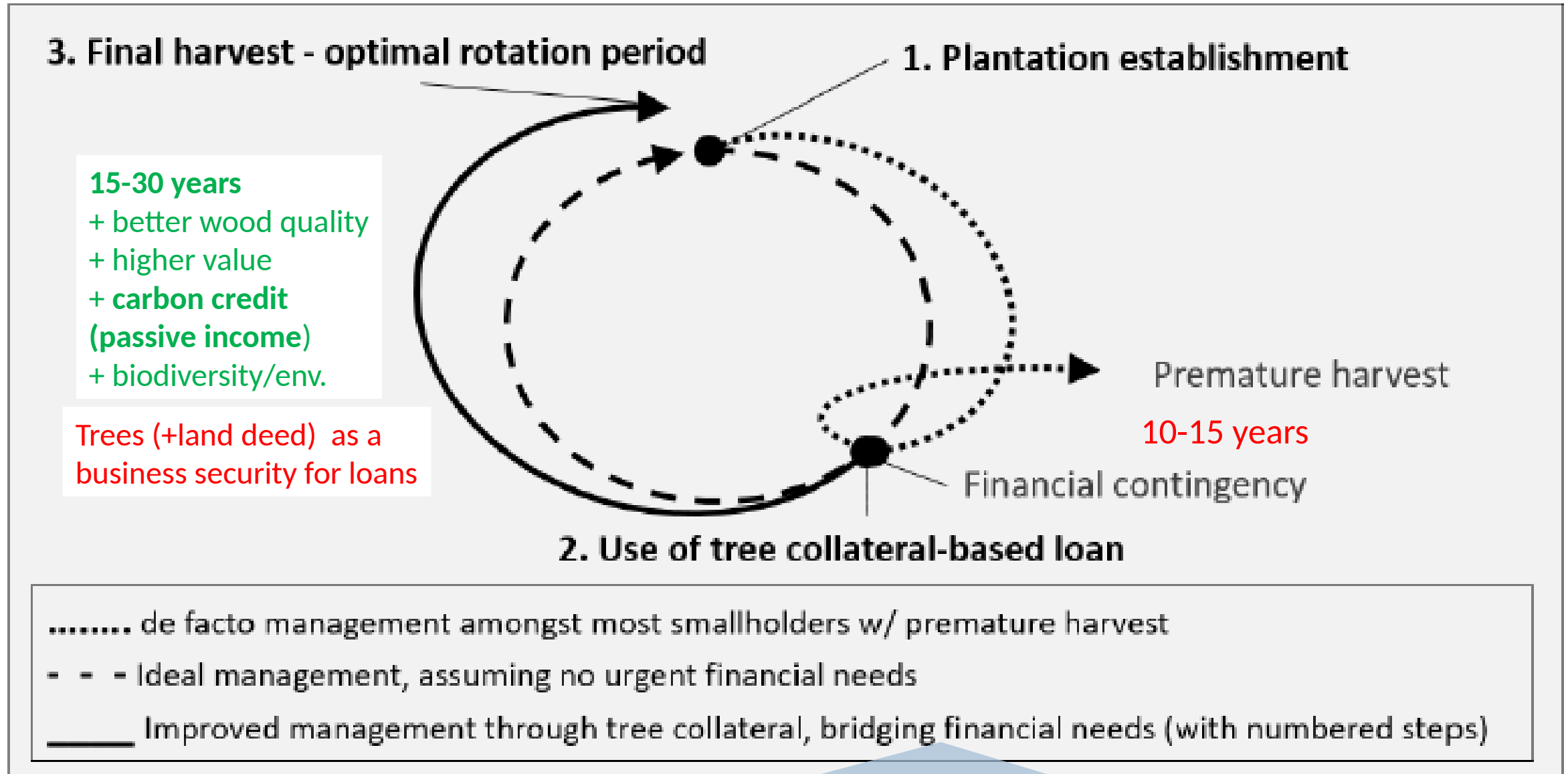
ITTO/RFD
C&I SFM



Nat/RFD certification



Challenges: Lack of financial support for smallholders



Conceptualization of the tree collateral Schemes

Opportunities: Contribute to wood demand



2022: Current state/business as usual

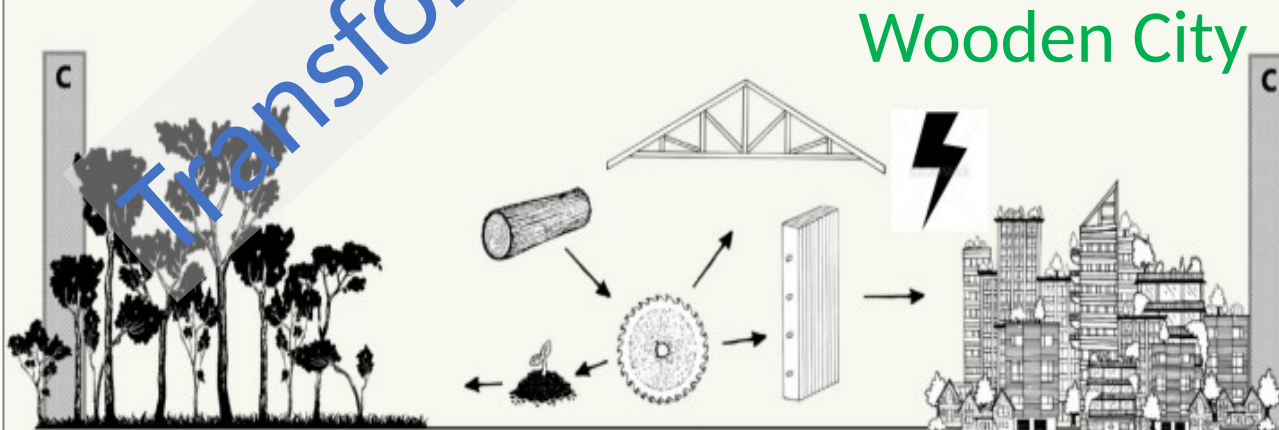
- Degraded forests and landscapes, concrete cities and a lack of adequate industry to make the transition

Old perception



2100: Future state after 80 years of growth of The Wood Solution

- Restored forests and landscapes, wooden cities and a thriving forest industry



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.

“...harvesting **timber sustainably** is **not deforestation**...”.

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

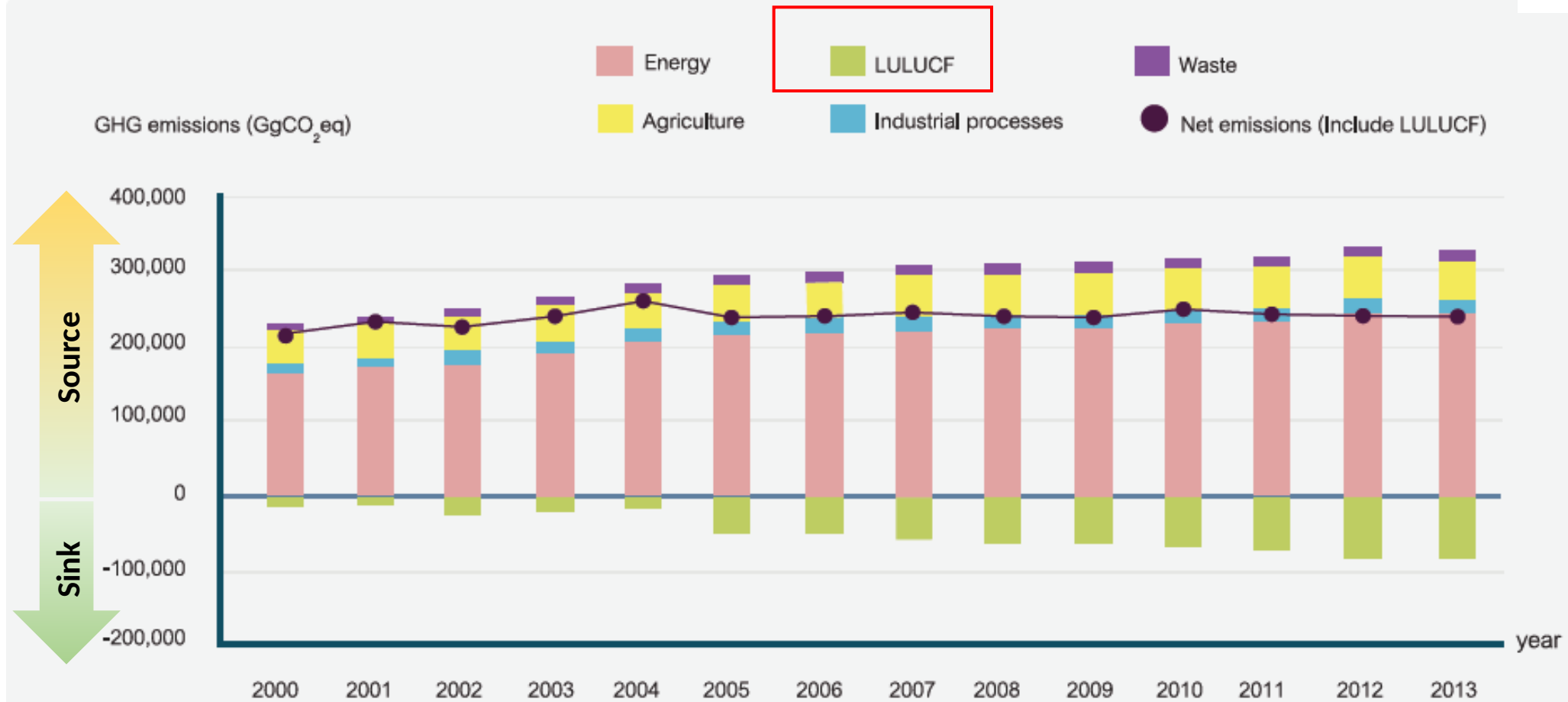
El
cr



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

“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 **AI** are applies”**

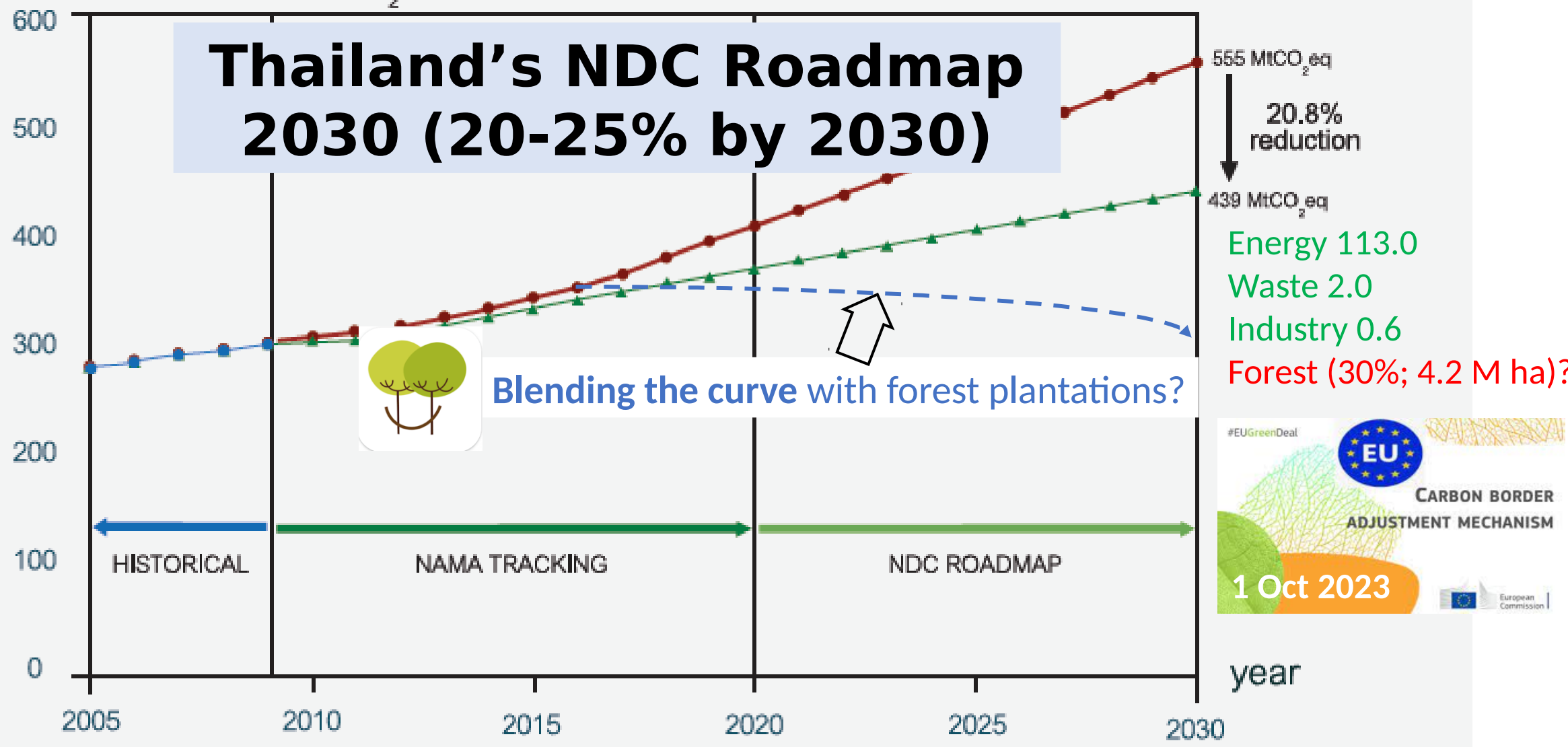
Opportunities: GHG emission reduction



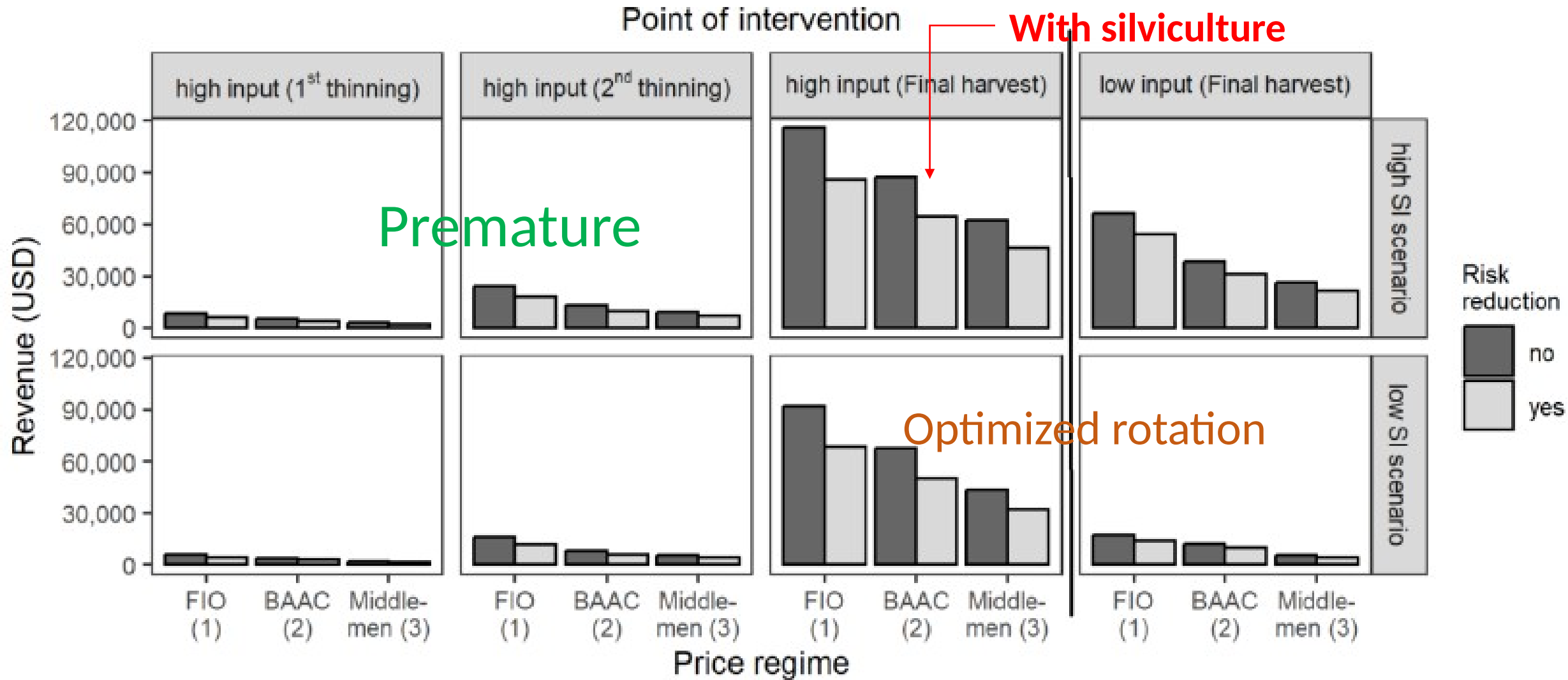
Only forest (land-use/land-cover) can reduce carbon emission.

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>

Challenges: Smallholder plantation towards carbon neutrality



Opportunities: Rotation and Silviculture Matters



+ capacity building

Starfinger (2022)

Launching Workshop on Smallholder Plantations



11 Oct 2023, Rama Garden Hotel, Bangkok

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

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

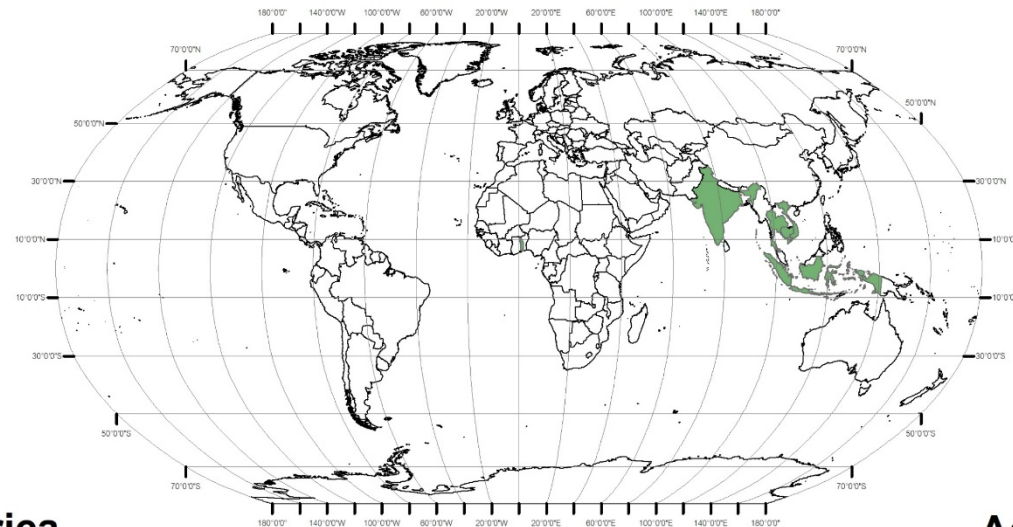
Vietnam: Vietnamese Academy of Forest
Sciences

India: Indian Council of Forestry Research &
Education

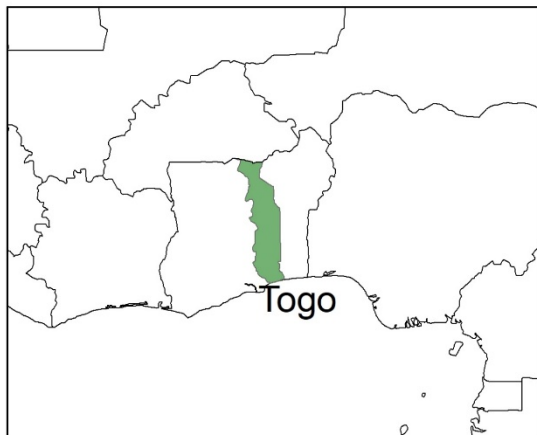
Indonesia: Research Centre for Plant
Conservation Botanic Garden and Forestry
/National Research and Innovation Agency
(BRIN)

West Africa

Togo: University of Lomé



West Africa



Asia-Pacific



Facts

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

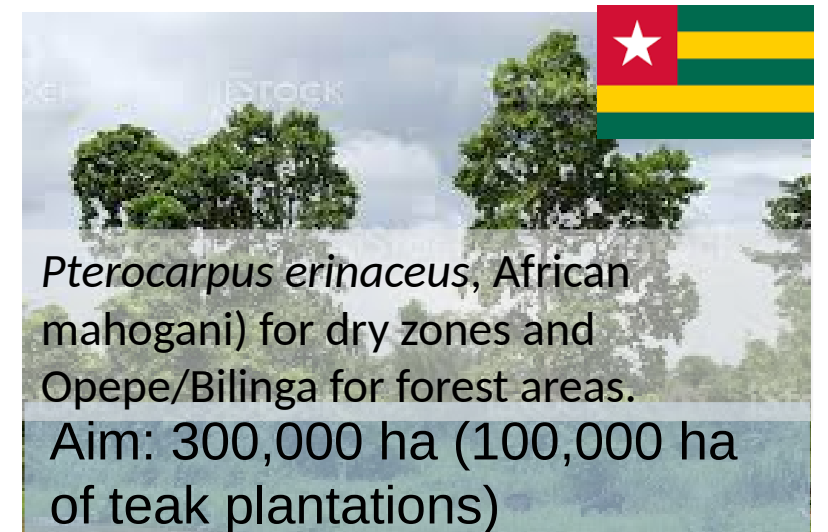


Import teak log of 1 M cbm/yr
(94% of global prod.)

Manilkara kauki timber,
softwood species like *Alstonia scholaris*, Mahagoni (*Swetenia macrophylla*)



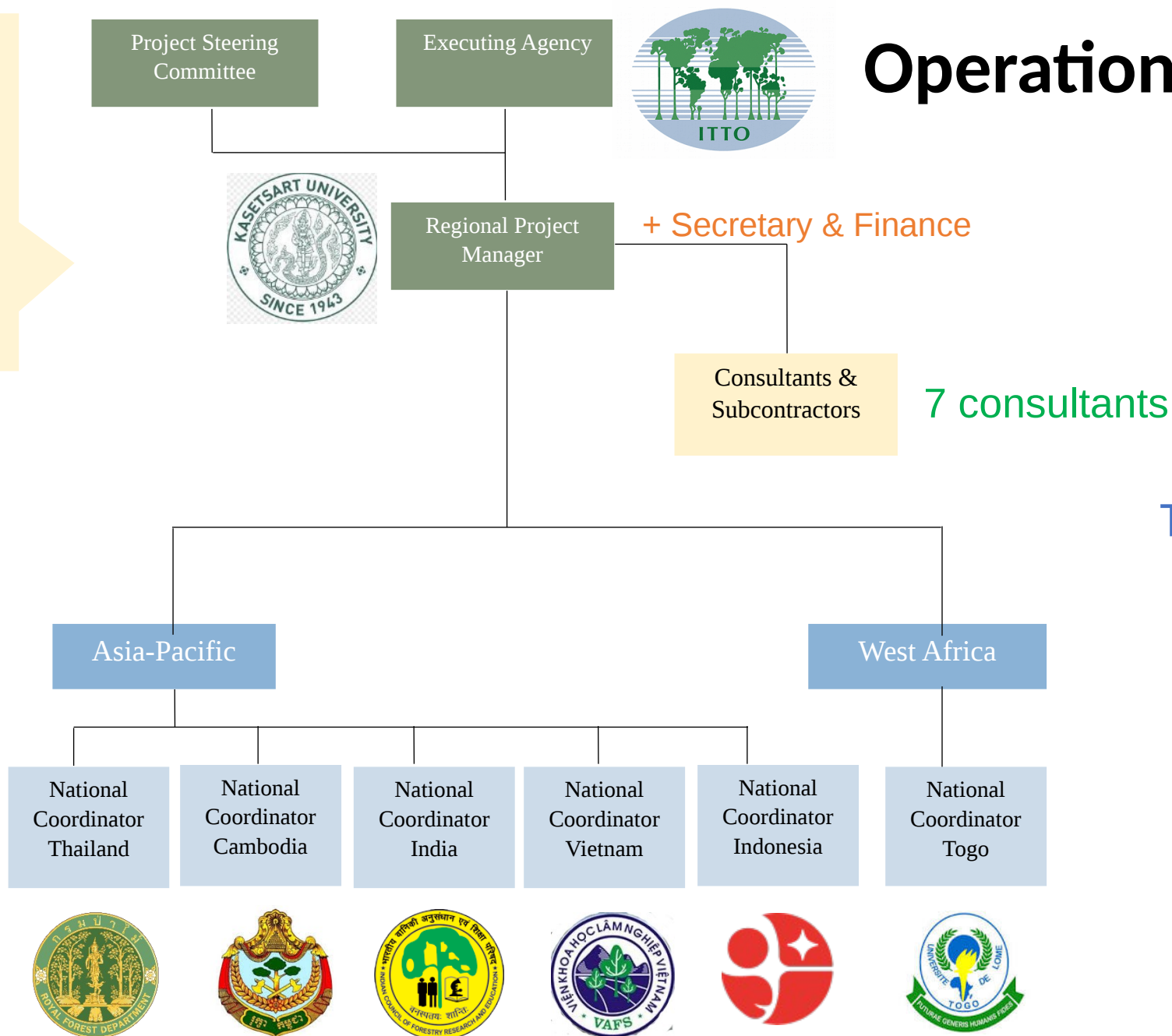
First introduced by Dutch in 16th century
1.5 HH grow teak in Java



Outputs and Activities

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

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



Outreach Plans

International Conferences



Regional Workshops

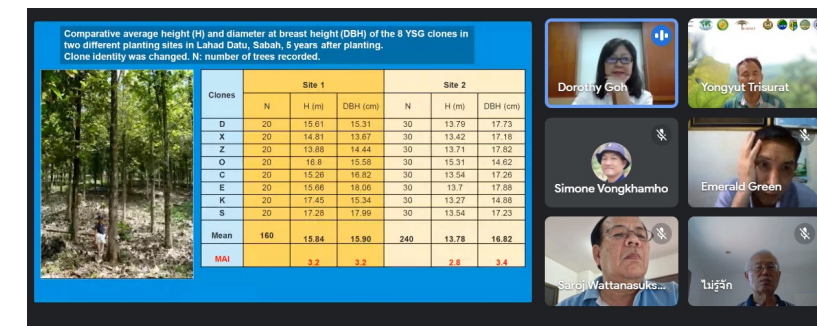
1- Thailand

2 – Java, Indonesia



5th World Teak Conference
in 2025 in Kerela, India

Webinars
Open for all



Special thanks to BMEL
and all participating countries



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