



4TH INTERNATIONAL CONGRESS ON PLANTED FORESTS

Planted Forests - A Solution for Green Development

Beijing, China, 23 | 27 October, 2018

TEAKNET Partner Event

Session A-01

Mainstreaming High Quality Timber Production from Planted Teak Forests and Efforts for Conservation of Teak Genetic Resources

Date : Tuesday, 23 October 2018

Time : 13.30 – 18:00 h

Venue : 302 A, China National Convention Centre, Beijing, China

Organizers



TEAKNET
(International Teak Information
Network)



IUFRO Teakwood Working Party
(Div.5.06.02)
International Union of Forest Research
Organizations



Supported by
Food and Agriculture Organization
of the United Nations

Background

The report "State of the World's Forest Genetic Resources" published by FAO in 2014 lists tree species that are considered national priorities by the reporting countries for the conservation and management of forest genetic resources. Teak (*Tectona grandis* L.f.) takes the top rank in this list in more than 20 countries. Given the importance of teak for forest conservation and management and its prominent position in the global timber market and trade has resulted in remarkable expansion of teak plantations in about 70 tropical countries with the objective of producing and supplying large volume of superior-quality teak timber in the shortest possible time. At the same time, high-yielding forest plantations must be integrated into the wide context of forest landscapes and thus contribute to its restoration as well as the achievement of the global development agenda, particularly SDG 15.

While at the same time, the natural teak forest area has declined substantially in all native teak growing countries and the genetic resource base is at high risk of losing its biodiversity. The Global Teak Study published by IUFRO in 2017 highlighted the importance of addressing these key issues related to genetic resources conservation, sustainable management, economics, production, markets and trade and the report also provides policy recommendations and guidance for future work in promoting sustainable management of natural and planted teak forests in the tropics.

TEAKNET in association with IUFRO and FAO is in the process of launching a global teak support programme (GTSP) with the financial assistance of ITTO, first in the Mekong countries of Asia Pacific region and later extending it to Africa and Latin America.

Teak investments, when undertaken under the right climatic and edaphic conditions, using genetically superior planting material, have shown to yield attractive and robust return rates of more than 10% IRR, provided that good management and appropriate silvicultural practices are applied. The major economic challenge for teak growers is to produce quality wood that is acceptable in international markets. One increasingly important consideration influencing trade in plantation teak involves environmental certification and legality issues. Governments, buyers and retailers, mainly in western countries have embraced the principles of certification. In the future, public and private teak producers and processors will increasingly pursue voluntary certification schemes (forest management and chain-of-custody certification) to meet environmental, social and economic standards of responsible forest management and gain better access to high-price in timber markets.

The specific objective of the session is to address:

- * Present options of high-quality timber production in planted forests as a component of forest landscape restoration
- * Strengthen the understanding and knowledge of teak genetic resources, promote their sustainable use and management
- * Review and improve the existing silvicultural systems and practices for better stand management on teak wood quality
- * Review the international marketability of teak, among others.

Programme Schedule

Tuesday, 23 October 2018

13:30 hrs – 18:00 hrs

Session A-01a	Chairperson : Benjamin Caldwell, Planted Forest Officer, FAO HQ, Rome Co- Chair : Thulasidas PK, TEAKNET Coordinator, India
13:30- 13:45	Opening Remarks by Thulasidas, TEAKNET Coordinator, India
13:45- 14:00	Thulasidas PK, TEAKNET Coordinator, India Global Teak Support Programme for the Sustainable Management of Natural and Planted Teak Resources in the Tropics
14:00-14:15	Tetra YANUARIADI, Project Manager, ITTO, Japan Enhancing Conservation and Sustainable Management of Teak Forests and the Legality of Wood Supply in the Greater Mekong Sub-region
14:15- 14:30	James M Roshetko, Agroforestry System Scientist, World Agroforestry Centre, ICRAF, Indonesia Smallholder Farmers Contribution to Planted Teak
14:30- 14:45	Zar Chi Hlaing, Staff Officer, Ministry of Natural Resources and Environmental Conservation, Myanmar The growth of Teak (<i>Tectona grandis</i> Linn. f) Plantations in Myanmar: Preliminary Case Study on Bago Yoma Range, Myanmar
14:45- 15:00	Zaizhi Zhou, Professor, Research Institute of Tropical Forestry, Chinese Academy of Forestry, Beijing Mineral Nutrient Diagnosis of Young Teak (<i>Tectona grandis</i>) Plantations Grown on Acidic Soils in South China
15:00-15:15	Sreelakshmy MP, Coordinator PR & Communications, TEAKNET, India TEAKNET as a Network Platform for Global Teak Sector
15:15-15:30	<i>Discussion</i>
15:30-16:00	<i>Coffee Break</i>

Session A-01b Chairperson : Kenichi Shono, Forest Resources Officer, FAO- RAP, Bangkok	
16:00- 16:15	Nelly Grace Bedijo, Programme Associate, FAO Plantation Development, Uganda A Cost-Effective Approach to Pruning Teak: Integrating the Hand Pruning Method in a Teak Pruning Regime and Justification for Adoption
16:15- 16:30	Valerie Lomokuor Fumey Nassah, Plantations Manager, Forestry Commission, Ghana Teak Plantations in Modified Taungya System (MTS): One of The Strategies for Forest Landscape Restoration (FLR) in Ghana
16:30- 16:45	Mauricio Jerez-Rico, Professor, Universidad de Los Andes, Venezuela A Preliminary Distance Dependent Individual Tree Simulator for Teak (<i>Tectona grandis</i> L. f) Plantations Incorporating Thinning Regimes
16:45 – 17:00	Guihua Huang, Asst. Professor, Research Institute of Tropical Forestry, Chinese Academy of Forestry, Beijing Photosynthetic Characters of Teak (<i>Tectona grandis</i> Linn.) Clones
17:00- 17:30	Panel Discussion facilitated by Tetra YANUARIADI, ITTO, Japan
	Wrap-up and concluding remarks
Posters/ Print only	
Manuel Mollinedo, Consultor, Forestal Tectona grandis SA, Guatemala Growing and Productivity Characterization of Young Teak (<i>Tectona grandis</i> Linn f.) Plantations and Estimation of Site Index Curves in the Septentrional Area of the Republic of Guatemala	
Gaku Hitsuma, Senior Researcher, Forestry Division, Japan International Research Center for Agricultural Sciences , Japan Effects of Site Suitability and Neighborhood Competition on Diameter Growth of Planted Teak Trees in Northern Thailand	
Xiyang Wang, Department of Forestry, Beijing Forestry University, Beijing Effects and Mechanism of Fertilization on Fine Root Turnover in Teak Plantations	

