



**Demonstration and Application of Production and  
Utilization Technologies for Rattan Sustainable  
Development in the ASEAN Member Countries  
ITTO PD 334/05 Rev. 2 (I)**

# **Updates on Strengthening ASEAN Collaboration to Promote Sustainable Development of Rattan Resources**



## Executing Agency:



Ecosystems Research and Development Bureau (ERDB)  
– Department of Environment and Natural Resources  
(DENR)

## Collaborating Agencies:



Forest Products Research and Development Institute  
(FPRDI) – Department of Science and Technology  
(DOST)



University of the Philippines College of Forestry and  
Natural Resources (UPLBCFNR)

## Funding Agency:



International Tropical Timber Organization (ITTO)

# Objectives

## Developmental Objective:

- Strengthen ASEAN collaboration in promoting rattan resources sustainability through demonstration and application of production and utilization technologies for socio-economic status upliftment of communities.

# Objectives

## Specific Objectives:

- ▶ Apply production and utilization technologies in the establishment and management of rattan development plots; and processing for sustainable development.
- ▶ Generate and disseminate relevant technologies on production, utilization and socio-economic aspects.

# Updates of the project activities

## ➤ Pilot Demonstration

Country	Area (ha)	Updates
1. Cambodia	20	Produced 300 rattan seedlings and 200 wildlings in Vor Yiev Nursery, Kampong Thom Province Briefed the communities Coordination with communities engaged in rattan collection for their involvement in seed collection next year
2. Indonesia	25	Selected location at Mekasain Village, Faet Sub-District of Tamar Sai Identified nursery site at 4 km from the demo site Collected around 28,000 seeds of dragon blood producing species from South Kalimantan Established nursery and at the same time germinated the seeds

# Updates of the project activities

Country	Area (ha)	Updates
3. Lao PDR	40	<p>Conducted several meetings</p> <p>The Forestry Research Center (FRC) of the National Agriculture and Forestry Research Institute (NAFRI) already approved the planning for Pilot Demo in Lao version.</p> <p>Organized the field team</p> <p>Identified the Contact Persons from related Districts and sought the approval of their officials</p> <p>Identified four villages for Demo Plantation, nursery activities are on-going</p> <p>Started the establishment of pilot demonstration at Thalindeng community</p>
4. Myanmar	25	<p>Contract and other requirements not yet submitted to the project management team because according to U Tint Khaing, Contact Person for Myanmar, they are revising the budget since they have given only 15 hectares for pilot demo instead of 25 has.</p>

# Updates of the project activities

Country	Area (ha)	Updates
5. Philippines a.) BNP	30	<p>Formed the San Jose Rattan Pilot Organization</p> <p>Documented the family beneficiaries</p> <p>Conducted socio-demographic profiling of community and Prepared community or spot map</p> <p>Established home nursery and nursery seedling culture</p> <p>Provided 15% advance payment for the seedlings</p> <p>Conducted meetings with the President of SJRPO, PASU, and LGUs (Barangay Council)</p> <p>Launched rattan planting</p>
b.) Kidapawan	30	<p>Conducted consultation meetings with barangay local government of Amas and the 42 members of the community.</p> <p>Discussed the proposed draft memorandum of agreement among the local government unit (LGU), the community and the DENR-ERDS R-12.</p> <p>Delineated and mapped a total area of thirty (30) hectares for the rattan plantation for the 22 beneficiaries.</p>

# Updates of the project activities

Country	Area (ha)	Updates
6. Thailand	25	<p>Conducted site selection, seed sourcing and community forum.</p> <p>Selected sites: Khao Buntad Silvicultural Research Station, Trang province and Song Khla Silvicultural Research Station, Song Khla province (for new plantations) and Nai Choi Silvicultural Research Station, Trang province and Song Khla Silvicultural Research Station, Song Khla province (for old plantations)</p>
7. Vietnam	25	<p>Selected site: Phuc Tien Commune, Ky Son District, Hoa Binh Province</p> <p>Conducted several meetings target beneficiaries and stakeholders; nursery activities; several training in techniques on nursery and plantation; study tour to traditional village of rattan product production in Phu Nghia commune, Chuong My district, Ha Tay province; vegetation clearing prior to outplanting activities, distributed and outplanted rattan seedlings.</p>
Total	220	



# Updates of the project activities

## ➤ Training

### Technology Guides:

- Nursery and Planting Stock Production
- Plantation Establishment and Management
- Control Methods against Insect and Fungi
- Kiln Drying
- Bleaching and Finishing



# Updates of the project activities

## Training on Rattan Production and Utilization Technologies

Training Program	Location	Date	No. of participants
A. Rattan Production Technologies	1. Bicol Natural Park, Bahi, Lupi, Camarines Sur, Philippines	October 26-27, 2006	48 participants
	2. Phung Ghia commune, Ha Tay province, Vietnam	March 22-23, 2007	35 participants
	3. Namxuang Forestry Research Center, Nasaithong District, Vientiane Capital, Lao PDR	May 24 - 25, 2007	23 participants
	4. Kidapawan Research Center, Amas, Kidapawan City, Philippines	August 10-11, 2007	25 participants
	5. Forest and Wildlife Training Center, Phnom Penh, Cambodia	August 20-22, 2007	21 participants

# Updates of the project activities

Training Program	Location	Date	No. of participants
B. Rattan Processing and Utilization Technologies	6. Bicol Natural Park, Bahi, Lupi, Camarines Sur, Philippines	November 24-25, 2006	41 participants
	7. Baymen Handicrafts, Inc., Bay, Laguna, Philippines	January 13-14, 2007	27 participants
	8. Phuc Tien Commune, Hoa Binh Province, Vietnam	March 19-20, 2007	30 participants
	9. Napakuang Resort, Phonhong District, Vientiane Province, Lao PDR.	May 21 - 23, 2007	27 participants
	10. Kidapawan Research Center, Amas, Kidapawan City, Philippines	August 8-9, 2007	25 participants
	11. Forest and Wildlife Training Center, Phnom Penh, Cambodia	August 17-19, 2007	21 participants



# PHILIPPINES



- Bicol Natural Park, Camarines Sur



- Amas, Kidapawan City



- Baymen's Handicrafts, Inc., Laguna



# VIETNAM



# LAO PDR



# CAMBODIA



# Updates of the project activities

## ➤ Research

### □ 8 Research projects:

Project code	Country	Project title
RPP– 1	Philippines	Genetic variation and sex determination in Palasan ( <i>Calamus merrillii</i> Becc.), Sika ( <i>Calamus caesius</i> Blume) and Limuran ( <i>Calamus ornatus</i> var. <i>philippinensis</i> ) using a molecular marker
RPI – 2	Indonesia	Application of plant-derived preservatives to improve durability of rattan and rattan-based products
RPP – 3	Philippines	Grading rules for rattan in the ASEAN region

# Updates of the project activities

Project code	Country	Project title
RPP – 4	Philippines	Community-based rattan plantation establishment and management
RPI – 5	Indonesia	Dragon blood extraction at various seed maturities level and their physico-chemical properties
RPM – 6	Malaysia	Growth performance of <i>Calamus subinermis</i> in Sabah, Malaysia
RPP – 7	Philippines	Production of a Rattan Field Guide
RPV - 8	Vietnam	Analysis of the roles of gender in planting rattans for forest enrichment in Doan Ket hamlet, Phuc Tien commune, Ky Son district, Hoa Binh province



# Updates of the project activities

- ❑ **Project Rattan Museum** - showcases the ingenuity and creativity of ASEAN peoples in coming up with several versatile products derived from the use of rattan.
- ❑ **7th Flora Malesiana Symposium and Meeting in Leiden, The Netherlands** - Dr. A.B. Lapis attended and presented a paper on “Specialty Rattans of the ASEAN”. June 16 to 23, 2007.
- ❑ **IUFRO 3.08 Conference, Ormoc City Philippines** - For. K.G. Bueser attended and presented a paper titled “Demonstration and Application of Production and Utilization Technologies for Rattan Sustainable Development in the ASEAN Member Countries”. June 17 to 21, 2007.

# Updates of the project activities

## ➤ Networking

- ❑ Inception Meeting - June 19 – 22, 2006 at ERDB, Philippines; Participants: Cambodia, Indonesia, Lao PDR, Malaysia, Thailand, Philippines and Vietnam, Heads of agencies and Project Staff.
- ❑ 1st Project Steering Committee Meeting - February 21, 2007 at ERDB, Philippines; Participants: Directors of ERDB, FPRDI, FMB, and DENR Planning and Policy Studies, Dean of UPLBCFNR, ITTO Representative, Heads of agencies and Project Staff.



*Welcome Guests and Participants!*  
**INCEPTION MEETING**  
DEMONSTRATION AND APPLICATION OF PRODUCTION AND  
UTILIZATION TECHNOLOGIES FOR RATTAN SUSTAINABLE  
DEVELOPMENT IN THE ASEAN MEMBER COUNTRIES  
[PD 334/05 Rev. 2 (1)]  
19-22 JUNE 2006 @ FRRD AUDITORIUM, UPLB FORESTRY CAMPUS, COLLEGE, LAGUNA, PHILIPPINES ©  
in collaboration with FPRDI-DOST and UPLB-FNR



## Inception Meeting







## 1<sup>st</sup> PSC Meeting



# Updates of the project activities

- ❑ 1<sup>st</sup> Project Planning Workshop - June 12, 2007 at Itogon, Benguet Province; Participants: Project Staff.
- ❑ RATTANewsletter No. 2 - circulated to the different partner agencies, ASEAN embassies, academic institutions and other local and international institutions.
- ❑ Launching of rattan outplanting and Rattan Forum - September 6, 2007 in Bicol Natural Park, Camarines Sur, Philippines. Participants: Cong. Dato M. Arroyo (1<sup>st</sup> District Camarines Sur) and some of the mayors under his district. Signing of the MOU between ERDB/ITTO Rattan Project Director and the Mayor of Lupi, witnessed by Cong. Arroyo and the DENR Representative.



# Updates of the project activities

## ❑ Other activities :

- (a) meetings with the World Wildlife Fund (WWF) Lao PDR Rattan Project representatives and the Non-Timber Forest Products – Exchange Programme Deputy Director.
- (b) baseline data gathering activities for the impact assessment were conducted in Vietnam (Phung Ghia and Phuc Tien communes), Philippines (Bicol Natural Park, Camarines Norte and Camarines Sur, Amas, Kidapawan City), Lao PDR (Nasaithong and Phonhong Districts) and Cambodia.
- (c) networking and linkaging activities with the ASEAN embassies in the Philippines, non-government agencies, academic institutions and other government agencies like the Department of Trade and Industries.
- (d) Yahoo group moderating and following up the ASEAN Contact Persons on components concern.

# Updates of the project activities

## ➤ Database

- ❑ Regular updating of the website: [www.aseanrattan.org](http://www.aseanrattan.org)
- ❑ Web Statistics (as of September 18, 2007): 26,828 successful server requests and 3,153 successful requests for pages

aseanrattan.org HOME|ABOUT US|PARTNERS|CONTACT US

## ITTO - Philippines - ASEAN Rattan Project

[PD 334 /05 Rev. 2 (I)]  
Demonstration and Application  
of Production and Utilization Technologies for  
Rattan Sustainable Development in the ASEAN Member Countries



ABOUT THE PROJECT	>> ANNOUNCEMENTS	>> PROJECT OVERVIEW
ASEAN RATTAN DATA	<b>A Call for a Small Grant Research Proposals</b> The research component of the project focuses on providing a small research grant in support of Rattan Plant Development and Small and Medium Enterprise. The research will include relevant studies to the improvement of production and utilization of rattan with respect to priority areas common to participating countries. <a href="#">Click here for details</a>	<b>Demonstration and Application of Production and Utilization Technologies for Rattan Sustainable Development in the ASEAN Member Countries</b> [PD 334/05 Rev. 2 (I)] <b>Implementing Agency:</b> Ecosystems Research and Development Bureau (ERDB) Department of Environment and Natural Resources (DENR) <b>Funding Agency:</b> International Tropical Timber Organization (ITTO) Yokohama, Japan <b>Collaborating Agencies:</b> Forest Products Research and Development Institute (FPRDI) Department of Science and Technology (DOST) University of the Philippines Los Baños College of Forestry and Natural Resources (UPLB-CFNR) <b>Duration:</b> 4 years <b>Objectives:</b> <b>Development Objective</b> The project aims to strengthen ASEAN collaboration that would promote the sustainability of rattan resources through demonstration and application of rattan production and utilization technologies to uplift the socio-economic status of local communities <b>Specific Objectives</b> 1. Application of production and utilization technologies in the establishment and management of rattan demonstration plots at the village level and rattan processing in the ASEAN member countries for rattan sustainable development. 2. Generation of relevant technologies on production, utilization and socio-economic aspects of rattan and dissemination thru the ASEAN Rattan Centre.
PRODUCTION TECHNOLOGIES		
UTILIZATION AND PROCESSING		
MARKET & SOCIO-ECONOMICS		
POLICY & LEGISLATIONS		
INSTITUTIONAL CAPABILITIES AND LINKAGES		
ACRONYMS AND ABBREVIATIONS		
CONCLUSIONS		
RECOMMENDATIONS		

**What is Rattan?**  
Rattan can be "timber" and "forest product or non-timber forest products" with regard to Forest Laws B.E. 2484 (1941).  
Rattan is considered as only "timber" according to National Forest Reserves Act B.E.2507 (1964)



[Click here for details](#)

[View Photodocumentation of the activities done.](#)

### ACRONYMS & ABBREVIATIONS



### RATTAN PRODUCTS



### RATTAN PROCESSING PICTURES

**Project Components:**

- Pilot Demonstration
- Research
- Training
- Database
- Networking

**Target Beneficiaries:**

- The local communities where livelihood and employment opportunities will be made available through the application of production and utilization technologies
- The manufacturers of furniture and handicrafts and trading entrepreneurs of both raw materials and products in the ASEAN countries.

[Click here for more information](#)

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# Concluding Remarks

- ❑ To summarize the updates of the project, the highlights include:
  - (a) organization of the ASEAN Contact Persons (CPs);
  - (b) conduct of inception meeting with the participation of the ASEAN CPs;
  - (c) leveling off strategies with the ASEAN members; and,
  - (d) unified workplan development.



# Concluding Remarks

- ❑ These activities had been accomplished through the following:
  - (1) networking and constant communication through e-mail, yahoo groups, phone calls, faxed letters, newsletter and website;
  - (2) exchange of information regarding rattan production
  - (3) collaboration with NGOs and other related government agencies thru the rattan forum;
  - (4) memorandum of understanding among ASEAN implementing agencies and collaborators;
  - (5) visibility in the ASEAN countries through training on rattan production and utilization;
  - (6) provision of research funds to address gaps in rattan conservation; and,
  - (7) monitoring of the project activities.

# Concluding Remarks

- ❑ Development of a sustainability plan for the whole project.
  - currently being prepared by the respective Component Leaders with inputs from the technical consultants.
  - draft bill has already been prepared by the staff of Congressman Dato Arroyo.
  - this bill pushes for the creation and institutionalization of a national rattan program that promotes for the sustainable development of rattan.



**Thank you !!!**