

Combining Public and Private Funds to Manage Tropical Forest in Thailand

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National Context

- 513,115 Km²
- Common boundary with Myanmar, PDR Lao, Cambodia and Malaysia
- 76 Provinces (Changwad), 716 Districts (Amphoe)
- 1,000 – 4,000 mm rain fall
- Average temperature 25 degree C.
- 63 Millions population (183 person / Km²)
- Buddhism

Forest Resources

1. Evergreen forest
 - 1.1 Tropical evergreen forest
 - 1.1.1 Tropical rain forest
 - 1.1.2 Semi-evergreen forest
 - 1.1.3 Hill-evergreen forest
 - 1.2 Pine forest
 - 1.3 Mangrove forest
 - 1.4 Beach forest

Forest Resources (cont.)

2. Diciduous forest

2.1 Mixed diciduous forest

2.2 Dry dipterocarp forest

Legal Framework

- Forest Act, 1941
- National Park Act, 1961
- National Forest Reserve Act, 1964
- Wildlife Conservation Act, 1992
- Forest Plantation Act, 1992
- Chain-Saw Act, 2002

Institution

- Royal Forest Department founded in 1896
- 2002 was divided into 3 departments under Ministry of Natural Resources and Environment
 1. Royal Forest Department (RFD)
 2. National Park, Wildlife and Plant Conservation Department (DNP)
 3. Marine and Coastal Resources Department (DMCR)

Government Budget

FY 2006

RFD	₱	2,582,460,640.00
DNP	₱	10,775,354,381.10
DMCR	₱	836,001,654.45

Main Activities in RFD

- Forest plantation / reforestation
 - Reserved forest
 - Land ownership
- Land-use Right
- Forest Protection
- Community Forestry
- Research and Development

Main Activities in DNP

- National Park
- Wildlife
- Watershed
- Forest protection and fire control
- Biodiversity
- Botanical garden
- Eco-tourism
- Participatory management in protected area
- Reforestation campaign in Commemoration of the Royal Golden Jubilee (1996)

Main Activities in DMCR

- Mangrove forest management
- Coastal and marine resources management

Rubberwood

- 2,019,000 ha. planted by 2005
- Additional 160,000 ha. is government extension program upto 2007
- Re-planting 25 years
- Estimate production 250 m³/ha.
- 21,075,000 m³ / year

Eucalyptus

- .plantation 480,000 ha.
- Production 7,000,000 M / Yr.
- Supply for
 - Pulp and paper
 - Charcoal
 - Construction
 - MDF
 - Hardboard
 - particleboard

Industrial Roundwood Supply and Consumption, 2003

END-USE SECTOR	SOURCE OF SUPPLY					
	NATURAL FOREST	PLANTATION WOOD			IMPORTED ROUNDWOOD	TOTAL
		FIO	PRIVATE EUCALYPTUS	PRIVATE ROUNDWOOD		
- 1,000 m ³ (r) -						
ROUNDWOOD						
- Sawmilling	20.2	3.9	-	5,348.4	356.1	5,728.6
- Veneer and Plywood	-	-	53.3	851.6	4.8	909.8
- Particleboard and Fiberboard	-	-	190.0	2,000.0	-	2,190.0
Pulp and Paper			10,332.9		19.1	10,351.1
TOTAL	20.2	3.9	10,567.2	8,200.0	380.0	19,175.5

Source: Mission estimates, partly based on RFD & RFD/KU 2005

The Remain Constraints

- Laws and regulations
- Government budget
- incentives

Recommendation

- Amendment of laws and regulations
- Provide / set-up (revolving) fund for forest plantation
- Long-term leasing of degraded preserved forest
- Tax exemption (income / corporate tax) for tropical forest improvement
- Quality improvement via R&D
- MIS