

Forestry Education in Sri Lanka



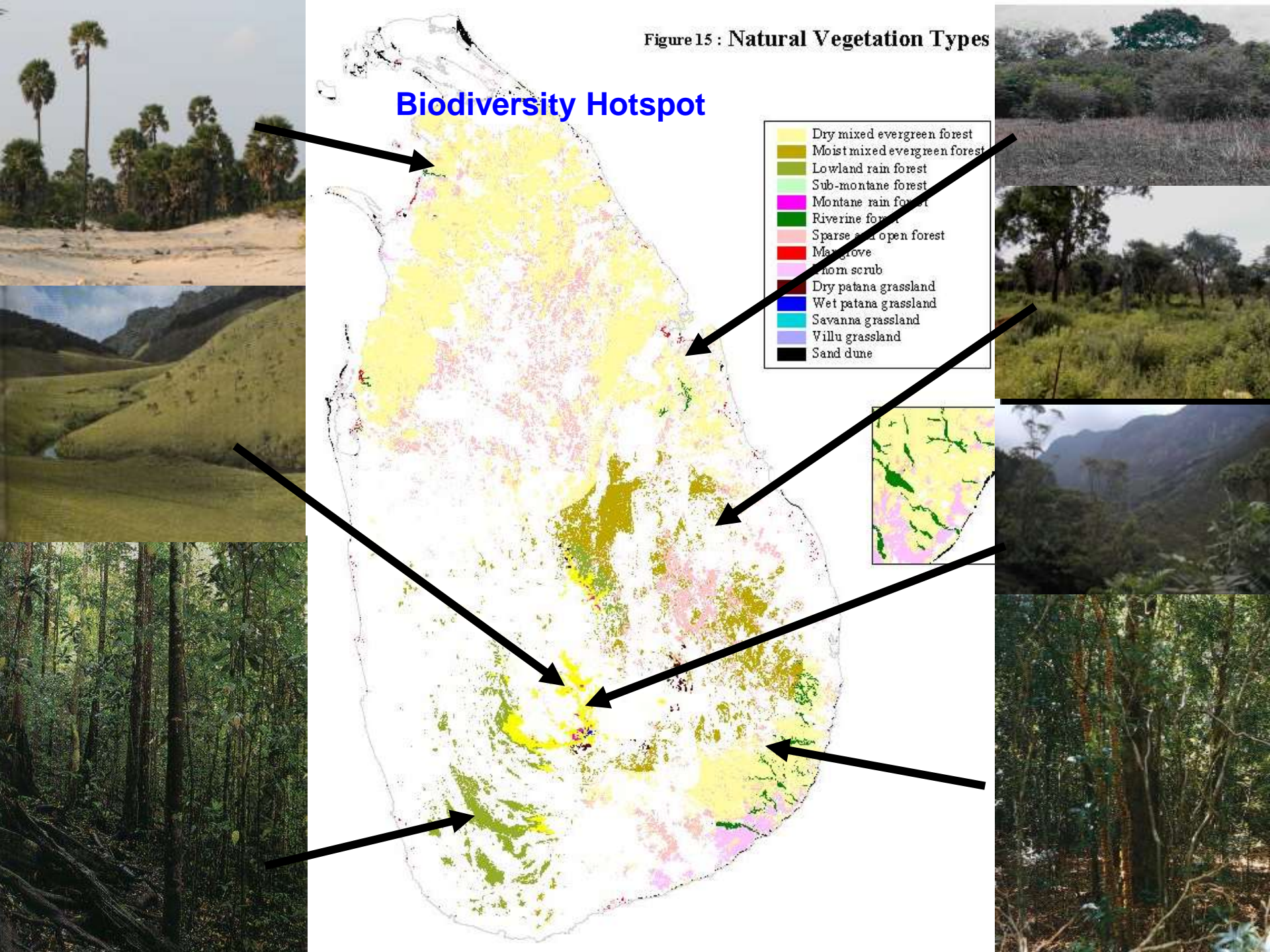
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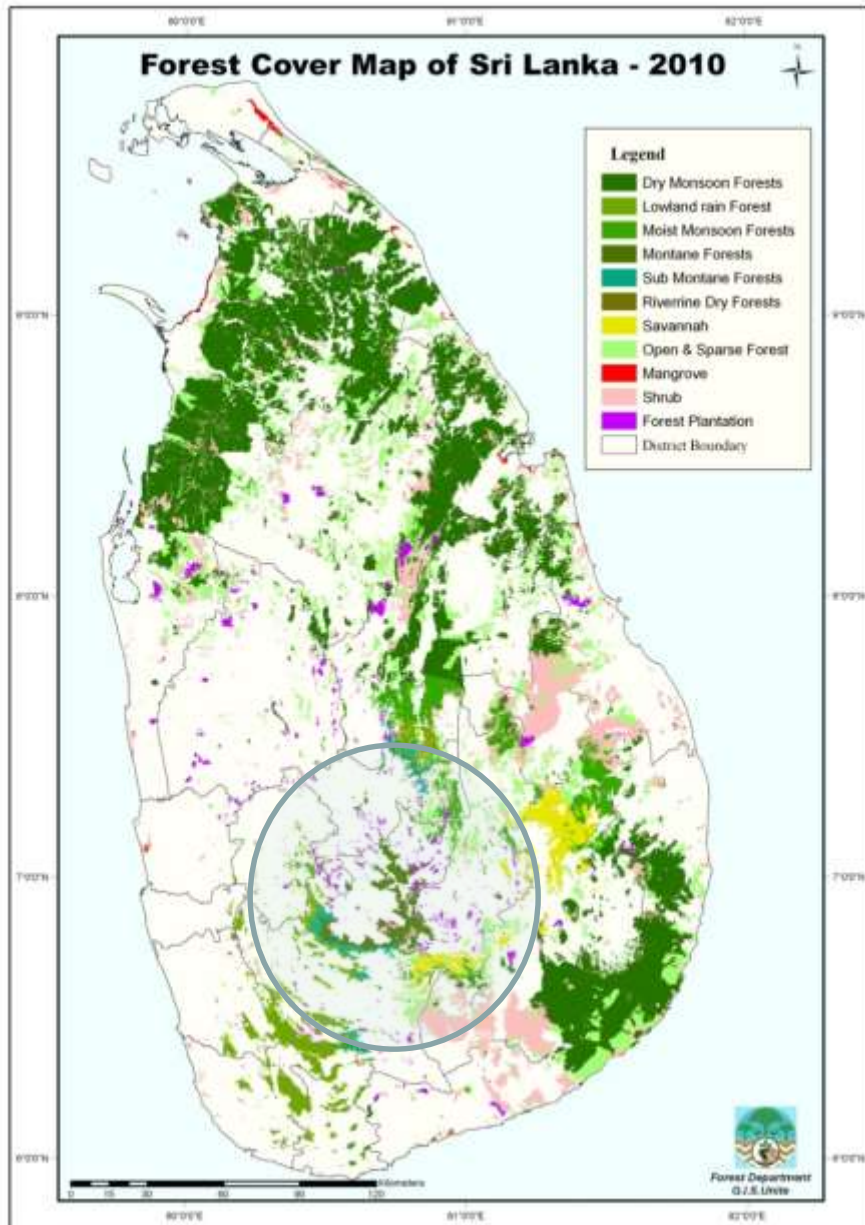


Figure 15 : Natural Vegetation Types

Biodiversity Hotspot



Forest Cover of Sri Lanka



Forest Type	Extent (ha)	%
Lowland Rain Forests	123,302	1.9
Moist Monsoon Forests	117,885	1.8
Dry Monsoon Forests	1,121,392	17.1
Montane Forests	44,758	0.7
Sub Montane Forests	28,513	0.4
Riverine Dry Forests	2,425	0.0
Mangrove Forest	15,670	0.2
Savannah Forest	68,044	1.0
Open and Sparse Forest	429,484	6.5
Total Forest Cover	1,951,473	29.7

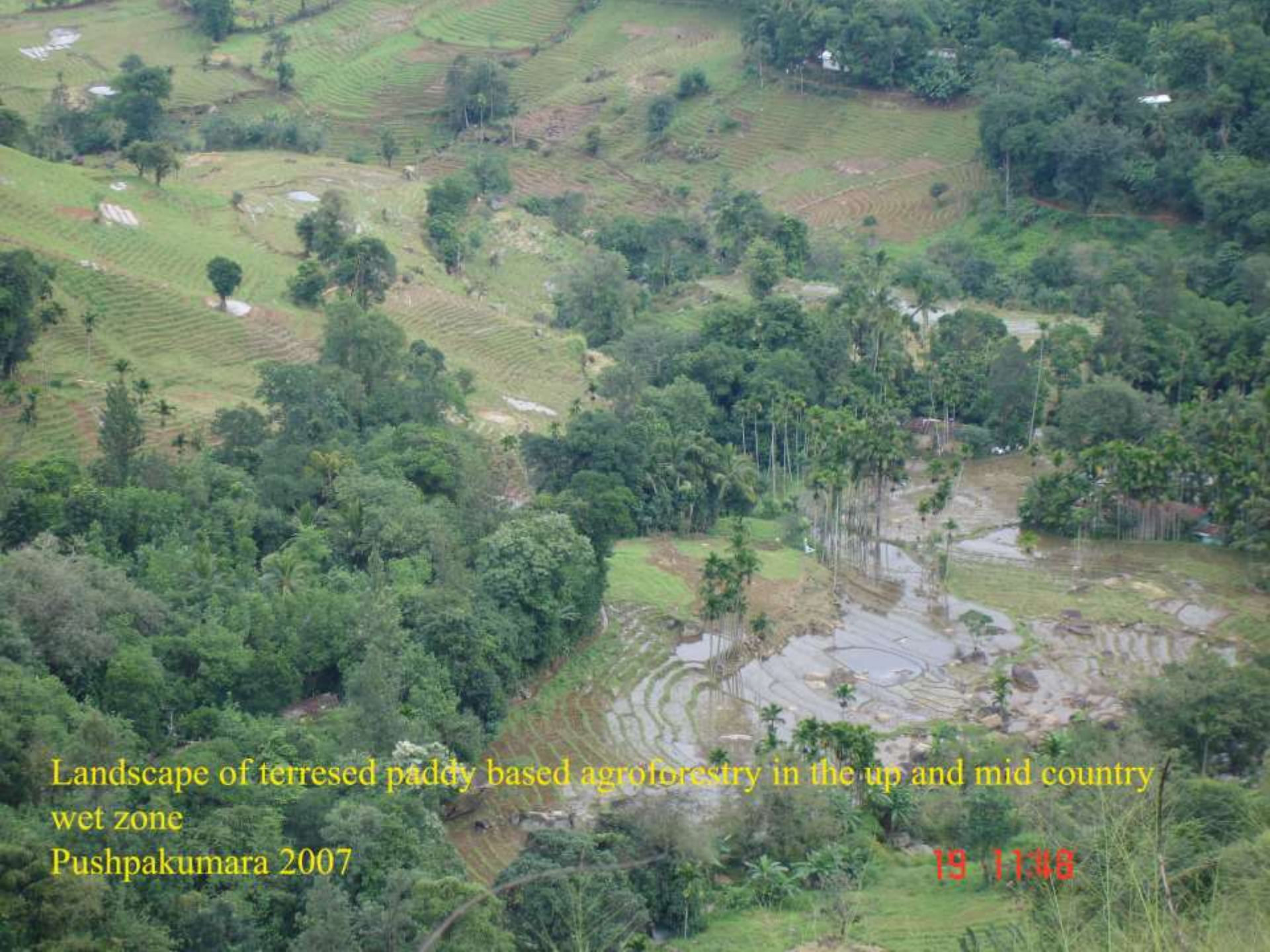
Land Use Types of Sri Lanka

Land use type	Extent (ha)	Extent (%)
Built up lands	29,190	0.5
Agriculture lands	3,710,880	59.5
Homegardens	878,000	14.0
Forest lands	1,759,840	28.2
Range lands	593,520	9.5
Wet bodies	61,810	1.0
Barren lands	77,480	1.2
Total	6,523,240	

Source: Department of Census & Statistics (2014)

Statistics on Land area, Population density, Forest cover and Homegarden area of Selected districts of Sri Lanka.

District	Area (sq km)	Population density (per sq km)	Forest cover (%)	Homegarden cover (%)*	Tree canopy cover (%)
Ampara	4,318	143	37.5	4.1	41.6
Colombo	656	3,631	2.8	13.1	15.9
Gampaha	1,386	1,523	0.3	25.2	25.5
Hambantota	2,579	210	20.5	15.1	35.6
Kandy	1,906	704	17.0	30.4	47.4
Kegalle	1,693	468	9.5	23.2	32.7
Nuwara Eliya	1,720	423	24.5	5.3	29.8
Rathnapura	3,255	325	20.0	15.8	35.8
Vavunia	1,967	74	51.0	10.1	61.1
Sri Lanka	65,610	314	23.5	14.3	37.8



Landscape of terressed paddy based agroforestry in the up and mid country wet zone

Pushpakumara 2007

19 11/48

Many Systems Exists



Present Status:

At Secondary Education level

**Curriculum of GCE Ordinary Level
GCE Advanced Level**

Present Status:

At Undergraduate level (15 National Universities)
(free education)

All Universities

BSc (Botany, Biology) (3 years & 4 years)

Many Universities

BSc (Agriculture) (4 years)

University of Sri Jayawardenapura

BSc (Environmental Management & Forestry)
(3 years & 4 years)

Present Status:

At Postgraduate level (paid courses)

All Universities / Postgraduate Institute of Science & Agriculture

Several MSc Programs (1 year & 2 years)

MSc in Forestry (almost non existence)

MSc in Agroforestry

MSc in Wildlife Conservation & Management

MSc in Biodiversity Conservation & Management

MSc in Biodiversity, Ecotourism & Environmental Management

MSc in Environmental Forestry

MSc in Natural Resources Management

Present Status:

At Postgraduate level (paid program)

MPhil

PhD – through research programs of individuals and institutes or self...

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Follow semester credit system

2 semesters/year

15 weeks/semester

Undergraduate courses 90 credits

Postgraduate courses 120 credits

Credit transfer system

Evolve with International Linkages

Link with historical development.....

Forest Department 1887

Department of Agriculture 1912

Forestry sector master plan of SL.....

Link with Indian Council of Forestry Research

Link with European/US/Canadian Universities....

Link with British ODA - Oxford, Aberdeen etc.

Link with FAO, UNDP, ICRAF, SAARC etc....

Link with most recognize universities....

Link with Michigan State University, California

Davis, Queensland University etc... on Study

Abroad Program.....

Change with Changes

Technical Timber Based Forestry Courses to more Natural Resources Management....

Natural resource managers....

Multidisciplinary, landscape orientation....

Recognize socio, economic and political linkages with participation of community....

Evolve with Resource Sharing and Mutual Recognition

Resource sharing with Forest and Wildlife Departments (Sri Lanka Forestry Institute, started in 1950)....

Joint Programs to cater National and International Demand....

Plantation management for timber, fuel

Tropical biodiversity conservation

Rehabilitation of degraded forest

Trees Outside Forests

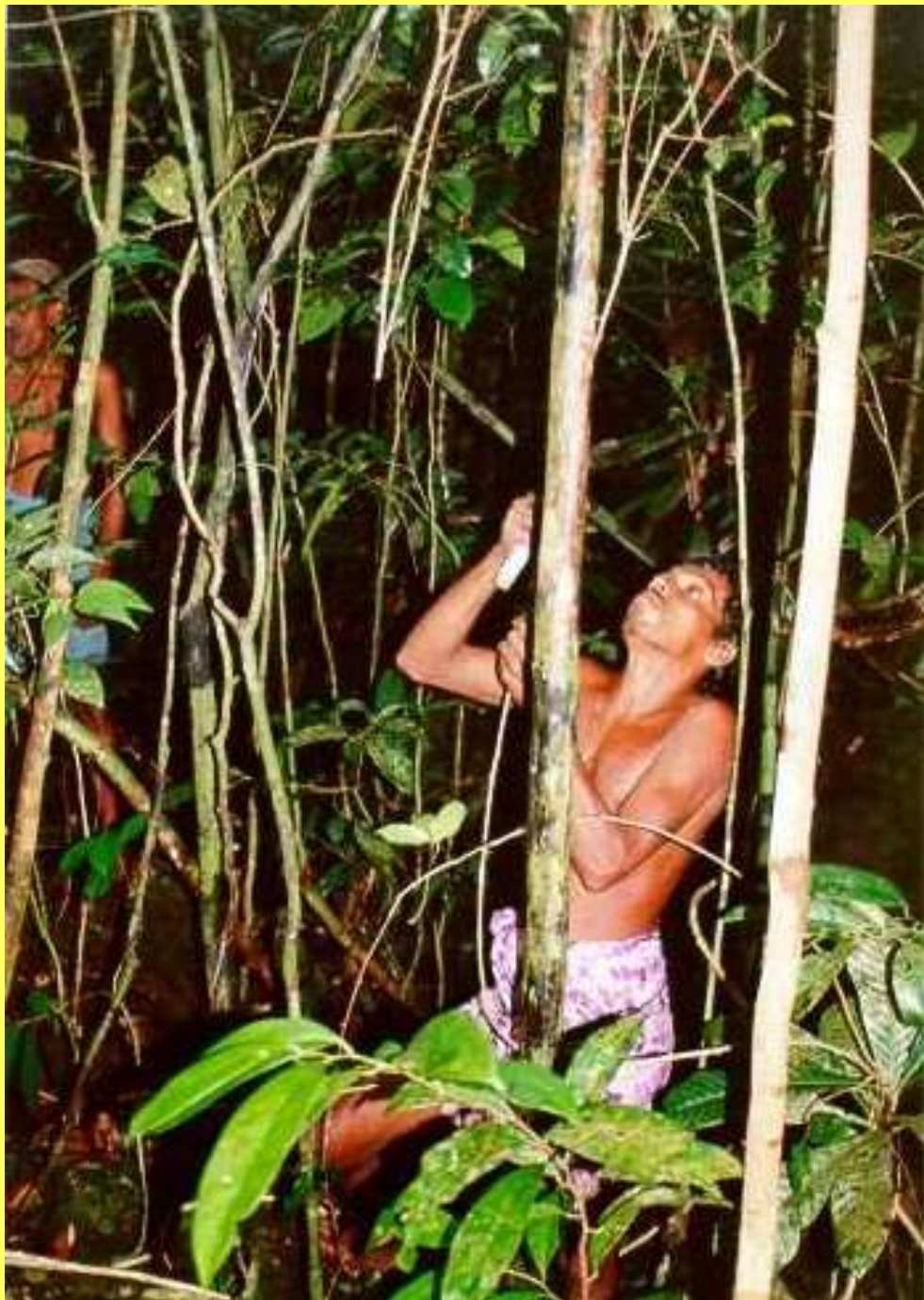
Non Carbon Benefits

Environmental benefits of forest



Landscape mosaics.....

Need people to understand the landscape diversity and their importance....



**To promote
sustainability.....**

**Need good
partnerships.....**

Trying to be agent of change.....

Stronger collaborations....

To find new and viable academic partnerships....

Learn for stronger private-public partnerships...

face challenges of resource availability



**International Research
Centre to facilitate
collaborations**

Links with Foreign Institutions

- Universities
 - **USA** - Michigan State University, University of California-Davis
 - **Canada** - University of Guelph
 - **Japan** - Obihiro University, Saga University, Hiroshima University, Yamagata University, **Niigata University**
 - **Korea** - Pukyong National University, Juju
- Institutions
 - Agri-Food Canada
 - ILRI, IAEA, UNDP, FAO, WB, GEF, CSIRO, ICRAF

Study Abroad Programs

- Sustainable Tropical Agricultural Systems of Sri Lanka (4 weeks)
Offered every year (**May to October**)
- Tropical Biodiversity (3 weeks)
Offered every year (flexible timing)

Ayubowan – Long Life



Thank you