

Why bamboo is so important?

- Deforestation is going on
- Bamboo is an excellent wood substitute
- Cheap, efficient and environmentally friendly

Bamboo is a superior wood substitute

- boards & panels
- pulp & paper
- oil & gas
- charcoal
- vener
- cloth
- composites
- shoots

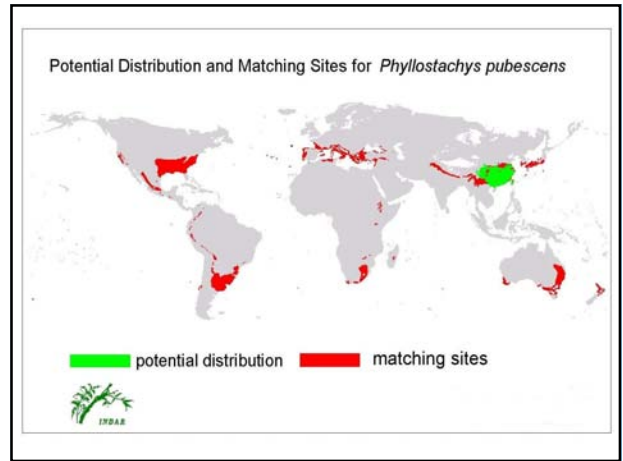
## 世界竹藤 Bamboo & Rattan in the World

全世界共有木本竹类植物17属，1200种，竹类植物约2200万公顷，广泛分布于南纬30°以北至北纬47°的温带、亚热带和暖温带地区。藤类植物可分为五大科，共约120种，主要分布于热带和亚热带地区。

There are 17 genera and 1200 species of bamboo in the world covering a total area of 2.2 million hectares and widely distributed between 48°N and 47°S in the tropical, subtropical and temperate regions of all continents but Europe. Geographically bamboo distribution can be classified into three zones: the Asia-Pacific zone, the American zone and the African zone.

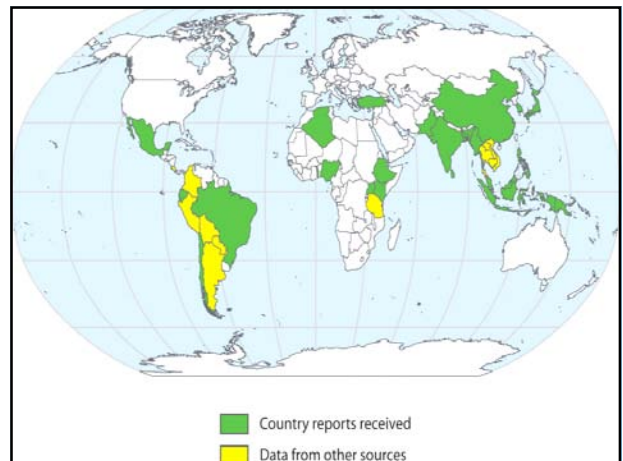
藤类植物有12属，800余种，广泛分布于南纬30°以北至北纬47°的温带、亚热带和暖温带地区。其中亚洲11属300~400种，大洋洲1属2种，西非热带地区4属2种。

Globaly there are 17 genera and over 600 species of rattan, naturally distributed in the tropics of the Eastern Hemisphere and nearby regions. There are 12 genera and 300-400 species in Asia, 1 genus with 2 species in Oceania and 4 genera with 24 species in Africa.



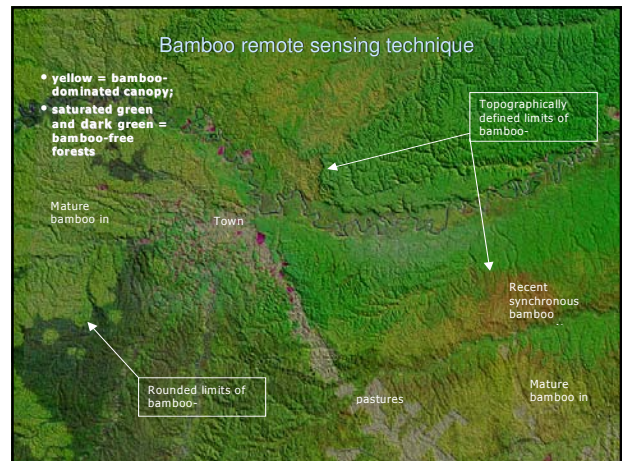
### FRA2005 format

FRA2005 Format	GBTSR Format
T1 Extent of forest and other wooded land	T1 Extent of bamboo forest
T2 Ownership of forest and other wooded land	T2 Ownership of bamboo forest
T3 Designated functions of forest and OWL	T3 Characteristics of bamboo forest
T4 Characteristics of forest and land	T4 Bamboo growing stock
T5 Growing stock	T5 Bamboo biomass stock
T6 Biomass stock	T6 Diversity of bamboo tree species
T7 Carbon stock	T7 Bamboo removal
T8 Disturbances affecting health and vitality	T8 Value of bamboo removal
T9 Diversity of tree species	T9 Non-wood bamboo product removal
T10 Growing stock composition	T10 Value of non-wood bamboo products
T11 Wood removal	
T12 Value of wood removal	
T13 Non-wood forest products removal	
T14 Value of non-wood forest products	
T15 Employment in forestry	
Maps	Maps
List of tree species in the country	List of bamboo species in the country



## Estimation of the world bamboo resources

Indexes	Africa	Asia & Oceania	South & Central America	Total
Continental forest area, 000 ha	635,412	777,831	831,540	2,238,783
Number of the estimated countries	5	16	10	31
Forest area of the estimated countries, 000 ha	66,495	533,076	811,047	1,410,618
Bamboo area of the estimated countries, 000 ha	2,758	23,634	26,280	37,392
Bamboo resources area to the total forest area in the estimated countries, %	4.1	4.4	3.2	3.9
Potential bamboo area, 000 ha	26,355	34,485	26,950	87,790
Distribution of the world bamboo resources, %	30	39	31	100



## Further actions

- Publish BTS Report with the FAO
- Create and update bamboo resources database
- Produce manuals (on the ground and remote sensing)
- Improve remote sensing methods
- Encourage countries to include bamboo in their national forest inventories
- Provide necessary training and technical support for the bamboo resources assessment

Thank you