



**Food and Agriculture Organization of the United  
Nations, Forestry Department**

and



**International Network for Bamboo and Rattan (INBAR)**

**GLOBAL FOREST RESOURCES  
ASSESSMENT UPDATE 2005**

**TOGO**

**COUNTRY REPORT  
ON  
BAMBOO RESOURCES**

LOMÉ, 02/03/05

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## General Guidelines:

The main purpose of the Country Thematic Report on Bamboo Resources (CTRB) is to develop a Global Bamboo Resources Assessment (GBRA) and to integrate it in the global UN FAO FRA. The approach is to create sub-category on Bamboo in the framework of FRA 2005 ([www.fao.org/forestry/fra](http://www.fao.org/forestry/fra)) to provide supplementary information on bamboo resources. This document provides format for compiling information on Bamboo resources and should be treated as a supplement to the basic documents of FRA 2005 including Specification of National Reporting tables, FRA Working Paper No. 81; Guidelines for Country Reporting, FRA Working Paper No. 82 and Terms and Definitions, FRA Working Paper No. 83.

The country Bamboo Resources Thematic Study Report should clearly and concisely document all data sources that have been selected and used for this reporting process and assign quality rating to the data sources. Comment on any problems encountered in finding relevant data sources. The Report should also indicate if no data sources have been found which meet the requirements. Similarly all the relevant national classification and definitions should be documented clearly and concisely. Comments on any problems or incompatibilities in classification and definitions should also be provided, if necessary. Please email the Bamboo Thematic Report directly to the focal point at INBAR ([mlobovikov@inbar.int](mailto:mlobovikov@inbar.int)) with the copy to FAO ([kailash.govil@fao.org](mailto:kailash.govil@fao.org)) as a part of GFRA.

## General information

<b>Country:</b>	
<b>National Correspondent: (Name and contact information)</b>	
<b>Other professionals involved in the reporting process:</b>	
<b>Date of submission of 1<sup>st</sup> draft:</b>	March 2 2005
<b>Date of submission of 2<sup>nd</sup> draft</b>	
<b>Date of submission of final report</b>	

## 1 Table T1 – Extent of Bamboo Forest

### 1.1 GBRA 2005 Categories and definitions

Category	Definition
Bamboo on forest land	Bamboo on lands defined as "Forest" in FRA 2005.

### 1.2 National Data on Bamboo Resources

#### 1.2.1 Data sources

References	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments
ETSE Kodjo - Recensement et valorisation des bambous au Togo	M		09/2002	
Afi Fakonam SIATIVI - Contribution au développement de la culture du bambou au Togo: cas de l'OIC – Mémoire de fin d'étude agronomique Togo – INFA-Tové	M		11/2004	

#### 1.2.2 Classification and definitions

National class	Definition

#### 1.2.3 Original data

### 1.3 Data for National Reporting Table T1

GBRA 2005 Categories	Area (1000 hectares)		
	1990	2000	2005
Bamboo on forest land	Non disponible	Non disponible	Non disponible
Monopodial bamboo area	Non disponible	Non disponible	Non disponible
Sympodial bamboo area	Non disponible	Non disponible	Non disponible
<b>TOTAL</b>	Non disponible	Non disponible	Non disponible

### 1.4 Comments to National Reporting Table T1

Les travaux sur la superficie couverte par les bambous n'ont été réalisés que partiellement, ce qui ne permet d'émettre dans ce document une évaluation quelconque.

**Including information on the minimum area on which information is collected**

## 2 Table T2 – Ownership of Bamboo Forest

### 2.1 GBRA 2005 Categories and definitions

Category	Definition
Private ownership	Same as FRA: Land owned by individuals, families, private co-operatives, corporations, industries, religious and educational institutions, pension or investment funds, and other private institutions.
Public ownership	Same as FRA: Land owned by the State (national, state and regional governments) or government-owned institutions or corporations or other public bodies including cities, municipalities, villages and communes.
Other ownership	Same as FRA: Land that is not classified either as "Public ownership" or as "Private ownership".

### 2.2 National Data on Bamboo Resources

#### 2.2.1 Data sources

References	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments
ETSE Kodjo - Recensement et valorisation des bambous au Togo	M		09/2002	
Afi Fakonam SIATIVI - Contribution au développement de la culture du bambou au Togo: cas de l'OIC – Mémoire de fin d' étude agronomique Togo – INFA-Tové	M		11/2004	

#### 2.2.2 Classification and definitions

National class (Bamboo)	Definition
Bamboueraies publiques	Plantations situées sur le domaine de l'Etat
Bamboueraies privées	Plantations appartenant à des individus, familles...

#### 2.2.3 Original data

### 2.3 Data for National Reporting Table T2

GBRA 2005 Categories	Area (1000 ha)	
	1990	2000
Private ownership	Non disponible	Non disponible
Public ownership	Non disponible	Non disponible
Other ownership	Non disponible	Non disponible
Total	Non disponible	Non disponible

### 2.4 Comments to National Reporting Table T2

Il y a bien sûr des plantations privées et publiques mais il est impossible de déterminer leur répartition.

### 3 Table T3 – Characteristics of Bamboo Forest

#### 3.1 GBRA 2005 Categories and definitions

Category	Definition
Natural bamboo forest	Bamboo area of naturally regenerated native bamboo species.
Plantation	Bamboo area of native or introduced species, established through planting, seeding or assisted natural regeneration.

#### 3.2 National data on Bamboo in Forest

##### 3.2.1 Data sources

References	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments
ETSE Kodjo - Recensement et valorisation des bambous au Togo	M		09/2002	
Afi Fakonam SIATIVI - Contribution au développement de la culture du bambou au Togo: cas de l'OIC – Mémoire de fin d'étude agronomique Togo – INFA-Tové	M		11/2004	

##### 3.2.2 Classification and definitions

National class	Definition
Bamboueraie naturelle	Bamboueraie trouvée dans la nature ou en place sans l'intervention de l'homme
Plantation	Bamboueraie mise en place par l'homme

##### 3.2.3 Original data

#### 3.3 Data for National Reporting Table T3

GBRA 2005 Categories	Area (1000 hectares)		
	1990	2000	2005
Natural bamboo forest	Non disponible	Non disponible	Non disponible
Plantation	Non disponible	Non disponible	Non disponible
<b>TOTAL</b>	Non disponible	Non disponible	Non disponible

#### 3.4 Comments to National Reporting Table T3

## 4 Table T4 – Bamboo Growing Stock

### 4.1 GBRA 2005 Categories and definitions

Category	Definition
Bamboo Growing stock	Weight (tons) of all bamboo forest more than X cm in diameter at breast height.
Commercial growing stock of Bamboo	The part of the growing stock of bamboo species that are considered as commercial or potentially commercial under current market conditions, and with a diameter at breast height of Z cm or more.
Growing stock of Common bamboo species	Weight (tons) of the most common bamboo species.

### 4.2 National data on Bamboo Resources

#### 4.2.1 Data sources

References	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 4.2.2 Classification and definitions

Category	Definition

#### 4.2.3 Original data

### 4.3 Data for National Reporting Table T4

GBRA 2005 Categories	Total weight (tons)		
	1990	2000	2005
Bamboo Growing stock	Non disponible	Non disponible	Non disponible
....	Non disponible	Non disponible	Non disponible
	Non disponible	Non disponible	Non disponible

Note: if possible, please (1) breakdown by species groups (2) include information on the minimum diameter used as thresholds and (3) provide coefficient of number of culms per a ton of weight

### 4.4 Comments to National Reporting Table T4

## 5 Table T5 – Bamboo Biomass stock

### 5.1 GBRA 2005 Categories and definitions

Category	Definition
Above-ground biomass of Bamboo	All living biomass above the soil including stem, stump, branches, bark, seeds, and foliage.
Below-ground biomass of Bamboo	All living biomass of live roots. Fine roots of less than 2mm diameter are excluded because these often cannot be distinguished empirically from soil organic matter or litter.

### 5.2 National Data on Bamboo Resources

#### 5.2.1 Data sources

References	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 5.2.2 Classification and definitions

Category	Definition

#### 5.2.3 Original data

### 5.3 Data for National Reporting Table T5

GBRA 2005 Categories	Bamboo Biomass (million metric ton dry weight)		
	1990	2000	2005
Above-ground biomass of Bamboo	Non disponible	Non disponible	Non disponible
Below-ground biomass of Bamboo	Non disponible	Non disponible	Non disponible
Total of living biomass	Non disponible	Non disponible	Non disponible
<b>TOTAL</b>	Non disponible	Non disponible	Non disponible

### 5.4 Comments to National Reporting Table T5

## 6 Table 6 – Diversity of bamboo tree species

### 6.1 GBRA 2005 Categories and definitions

Category	Definition
Number of native Bamboo species	The total number of native tree species that have been identified within the country.
Number of introduced Bamboo species	The total number of introduced tree species that have been identified within the country.
Number of critically endangered Bamboo species	The number of native tree species that are classified as “Critically endangered” in the IUCN red list.
Number of endangered Bamboo species	The number of native tree species that are classified as “Endangered” in the IUCN red list.
Number of vulnerable Bamboo species	The number of native tree species that are classified as “Vulnerable” in the IUCN red list.

### 6.2 National Data on Bamboo Resources

#### 6.2.1 Data sources

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments
ETSE Kodjo - Recensement et valorisation des bambous au Togo	M		09/2002	
Afi Fakonam SIATIVI - Contribution au développement de la culture du bambou au Togo: cas de l'OIC – Mémoire de fin d'étude agronomique Togo – INFA- Tové	M		11/2004	

#### 6.2.2 Classification and definitions

Category	Definition
Nombre d'espèces naturelles	Nombre total d'espèces de bambou identifié
Nombre d'espèces introduites	Nombre total des espèces exotiques
Nombre d'espèces partiellement en danger	Nombre d'espèces sur la liste rouge UICN
Nombre d'espèces menacées de disparition	Nombre d'espèces rare ou menacée de disparition
Espèce de bambou vulnérable	Nombre d'espèces sur la liste UICN

### 6.3 Data for National Reporting Table T6

GBRA 2005 Categories	Number of species (Year 2000)
Nombre d'espèces naturelles	3
Nombre d'espèces introduites	11
Nombre d'espèces partiellement en danger	Non disponible
Nombre d'espèces menacées de disparition	1
Espèce de bambou vulnérable	Non disponible

## **6.4 Comments to National Reporting Table T6**

## 7 Table T7 – Bamboo Removal

### 7.1 GBRA 2005 Categories and Definitions

Category	Definition
Bamboo Wood removal	The Bamboo wood removed (volume) for production of goods and services other than energy production (woodfuel).
Woodfuel Bamboo removal	The Bamboo wood removed for energy production purposes, regardless whether for industrial, commercial or domestic use.

### 7.2 National Data on Bamboo Resources

#### 7.2.1 Data sources

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 7.2.2 Classification and definitions

National class	Definition

#### 7.2.3 Original data

### 7.3 Data for National Reporting Table T7

GBRA2005	Bamboo removal (million ton)		
	1990	2000	2005
Bamboo wood removal	Non disponible	Non disponible	Non disponible
Bamboo woodfuel removal	Non disponible	Non disponible	Non disponible
Total	Non disponible	Non disponible	Non disponible

### 7.4 Comments to National Reporting Table T7

## 8 Table 8 – Value of Wood Removal

### 8.1 GBRA 2005 Categories and Definitions

Category	Definition
Bamboo Wood removal	The Bamboo wood removed (volume ) for production of goods and services other than energy production (woodfuel).
Woodfuel Bamboo removal	The Bamboo wood removed for energy production purposes, regardless whether for industrial, commercial or domestic use.

### 8.2 National Data

#### 8.2.1 Data sources

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 8.2.2 Classification and definitions

National class	Definition

#### 8.2.3 Original data

### 8.3 Data for National Reporting Table T8

GBRA2005	Value (million USD)		
	1990	2000	2005
Bamboo wood removal			
Bamboo woodfuel removal			
Total			

### 8.4 Comments to National Reporting Table T8

## 9 Table 9 – Non Wood Bamboo Product Removal

### 9.1 GBRA2005 Categories and Definitions

<b>Category</b>
<b><u>Plant products / raw material</u></b>
1. Food
2. Raw material for medicine and aromatic products
3. Raw material for utensils, handicrafts & construction
4. Ornamental plants
5. Other plant products
<b><u>Animal products / raw material</u></b>
1. Living animals
2. Other edible animal products
3. Other non-edible animal products

### 9.2 National Data on Bamboo Resources

#### 9.2.1 Data sources

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 9.2.2 Classification and definitions

#### 9.2.3 Original data

### 9.3 Data for National Reporting Table T9

GBRA 2005 Categories	Scale factor	Unit	NWFP removal		
			1990	2000	2005
<b><u>Plant products / raw material</u></b>			Non disponible	Non disponible	Non disponible
1. Food (bamboo shoots)			Non disponible	Non disponible	Non disponible
2. Raw material for medicine and aromatic products			Non disponible	Non disponible	Non disponible
3. Raw material for utensils, handicrafts & construction			Non disponible	Non disponible	Non disponible
4. Ornamental plants			Non disponible	Non disponible	Non disponible
5. Other plant products					
<b><u>Animal products / raw material (if any)</u></b>					
1. Living animals					
2. Other edible animal products					
3. Other non-edible animal products					

## **9.4 Comments to National Reporting Table T9**

## 10 Table T10– Value of Non Wood Bamboo Product

### 10.1 GBRA 2005 Categories and Definitions

### 10.2 National Data on Bamboo Resources

#### 10.2.1 Data sources

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments

#### 10.2.2 Classification and definitions

#### 10.2.3 Original data

### 10.3 Data for National Reporting Table T10

GBRA 2005 Categories	Value of the other than culms removal (Million USD)		
	1990	2000	2005
<b>Plant products / raw material</b>			
1. Food (bamboo shoots)			
2. Raw material for medicine and aromatic products			
3. Raw material for utensils, handicrafts & construction			
4. Ornamental plants			
5. Other plant products			

### 10.4 Comments to National Reporting Table T10

## **11 Map of country's bamboo resources distribution**

Please attach a map of bamboo distribution in the country with explanatory notes

## **12 List of bamboo species in the country**

Please attach list of the main bamboo species in the country

List main uses, quantity, value of the bamboo removal

Add the table: list of the main pest species