



Food and Agriculture  
Organization of the  
United Nations

# Global Forest Resources Assessment 2020

Report

**Grenada**

Rome, 2020



FAO has been monitoring the world's forests at 5 to 10 year intervals since 1946. The Global Forest Resources Assessments (FRA) are now produced every five years in an attempt to provide a consistent approach to describing the world's forests and how they are changing. The FRA is a country-driven process and the assessments are based on reports prepared by officially nominated National Correspondents. If a report is not available, the FRA Secretariat prepares a desk study using earlier reports, existing information and/or remote sensing based analysis.

This document was generated automatically using the report made available as a contribution to the FAO Global Forest Resources Assessment 2020, and submitted to FAO as an official government document. The content and the views expressed in this report are the responsibility of the entity submitting the report to FAO. FAO cannot be held responsible for any use made of the information contained in this document.

## TABLE OF CONTENTS

### Introduction

1. Forest extent, characteristics and changes
2. Forest growing stock, biomass and carbon
3. Forest designation and management
4. Forest ownership and management rights
5. Forest disturbances
6. Forest policy and legislation
7. Employment, education and NWFP
8. Sustainable Development Goal 15

# Introduction

## Report preparation and contact persons

The present report was prepared by the following person(s)

Name	Role	Email	Tables
Anthony Jeremiah	National correspondent	tonydove2@gmail.com	All
Francis Doland	Collaborator	dolandfrancis87@gmail.com	All

### Introductory text

Place an introductory text on the content of this report

# 1 Forest extent, characteristics and changes

## 1a Extent of forest and other wooded land

### National data

#### Data sources

2001	References	Helmer et.al. 2008. Land Cover and Forest Formation Distirubutions for St. Kitts, Nevis, St. Eustatius, Grenada and Barbados from Decision Tree Classification of Cloud-Cleared Satellite Imagery
	Methods used	Full-cover forest/vegetation maps
	Additional comments	

#### Classifications and definitions

2001	National class	Definition
	High-Medium Density Urban or Built-up Land	
	Low Density Built-up Land (Rural or Residential)	
	Herbaceous Agriculture - Cultivated Lands	
	Nutmeg and Mixed Woody Agriculture	
	Coconut Palm and Mixed Woody Agriculture (Cacao, Banana, other)	
	Pasture, Hay or Inactive Agriculture	
	Golf Course	
	Drought Deciduous Open Woodland	
	Deciduous, Evergreen Coastal and Mixed Forest or Shrubland, with or without succulents	
	Semi-Deciduous	

	Forest (includes Semi-Evergreen Forest)	
	Seasonal Evergreen and Evergreen Forest	
	Sierra Palm, Transitional and Tall Cloud Forest	
	Elfin and Sierra Palm Cloud Forest	
	Emergent Wetland	
	Mangrove	
	Quarries	
	Coastal Sand and Rock	
	Barren Grenadines	
	Beach white Grenadines	
	Beach black Grenadine	
	Urban light density Grenadines	
	Agriculture cultivated lands Grenadines	
	Forest dry deciduous Grenadines	
	Forest semi deciduous Grenadines	
	Forest evergreen and seasonal Grenadines	
	Agriculture woody	
	Urban high density Grenadines	

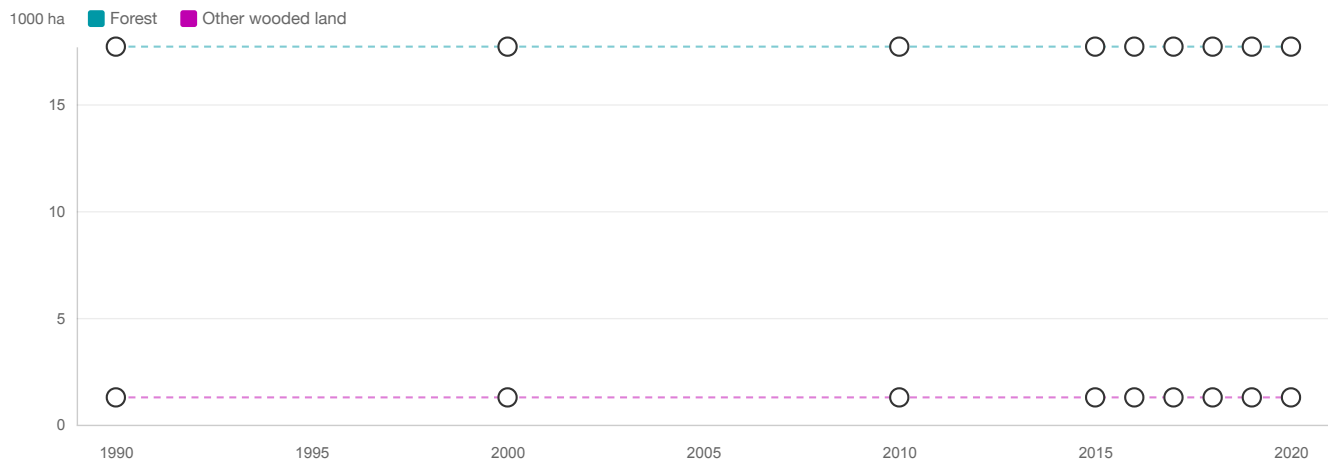
Original data and reclassification

2001	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	High-Medium Density Urban or Built-up Land	0.31	0.00 %	0.00 %	100.00 %
	Low Density Built-up Land (Rural or Residential)	2.46	0.00 %	0.00 %	100.00 %
	Herbaceous Agriculture - Cultivated Lands	0.33	0.00 %	0.00 %	100.00 %
	Nutmeg and Mixed Woody Agriculture	8.98	0.00 %	0.00 %	100.00 %
	Coconut Palm and Mixed Woody Agriculture (Cacao,	0.28	0.00 %	0.00 %	100.00 %

	Banana, other)				
	Pasture, Hay or Inactive Agriculture	2.35	0.00 %	0.00 %	100.00 %
	Golf Course	0.01	0.00 %	0.00 %	100.00 %
	Drought Deciduous Open Woodland	0.05	0.00 %	100.00 %	0.00 %
	Deciduous, Evergreen Coastal and Mixed Forest or Shrubland, with or without succulents	2.45	50.00 %	50.00 %	0.00 %
	Semi-Deciduous Forest (includes Semi-Evergreen Forest)	6.61	100.00 %	0.00 %	0.00 %
	Seasonal Evergreen and Evergreen Forest	6.35	100.00 %	0.00 %	0.00 %
	Sierra Palm, Transitional and Tall Cloud Forest	0.66	100.00 %	0.00 %	0.00 %
	Elfin and Sierra Palm Cloud Forest	0.20	100.00 %	0.00 %	0.00 %
	Emergent Wetland	0.04	0.00 %	0.00 %	100.00 %
	Mangrove	0.18	100.00 %	0.00 %	0.00 %
	Quarries	0.03	0.00 %	0.00 %	100.00 %
	Coastal Sand and Rock	0.31	0.00 %	0.00 %	100.00 %
	Barren Grenadines	0.00	0.00 %	0.00 %	100.00 %
	Beach white Grenadines	0.03	0.00 %	0.00 %	100.00 %
	Beach black Grenadine	0.00	0.00 %	0.00 %	100.00 %
	Urban light density Grenadines	0.94	0.00 %	0.00 %	100.00 %
	Agriculture cultivated lands Grenadines	0.14	0.00 %	0.00 %	100.00 %
	Forest dry deciduous Grenadines	1.87	100.00 %	0.00 %	0.00 %
	Forest semi deciduous Grenadines	0.58	100.00 %	0.00 %	0.00 %

	Forest evergreen and seasonal Grenadines	0.02	100.00 %	0.00 %	0.00 %
	Agriculture woody	0.02	0.00 %	0.00 %	100.00 %
	Urban high density Grenadines	0.14	0.00 %	0.00 %	100.00 %
	Total	35.34	17.70	1.28	16.37





FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70
Other wooded land (a)	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Other land (c-a-b)	15.02	15.02	15.02	15.02	15.02	15.02	15.02	15.02	15.02
Total land area (c)	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00	34.00

The FAOSTAT land area figure for the year 2015 is used for all reference years

Climatic domain	% of forest area 2015	Override value
Boreal	0.00	
Temperate	0.00	
Sub-tropical	0.00	
Tropical	100.00	

Comments

Earlier data indicate that no substantial change in forest cover were taking place. Hurricanes Ivan (2004) and Emily (2005) caused severe damage to the forests. However, these damages have not changed the land use and forest cover change has therefore been assumed constant.

Reported data slightly differs from previous FRA because calibration to the FAOSTAT land area was not performed here.

# 1b Forest characteristics

## National Data

### Data sources + type of data source eg NFI, etc

Renard, Y. 1998. Forest policy in Grenada, Forestry policies in the Caribbean, FAO Forestry Paper 137/2, p. 261-276.

### National classification and definitions

-

### Original data

1996

Plantation area = 214 ha

## Analysis and processing of national data

### Estimation and forecasting

-

### Reclassification into FRA 2020 categories

-



FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	17.49	17.49	17.49	17.49	17.49	17.49	17.49	17.49	17.49
<b>Planted forest (b)</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>	<b>0.21</b>
Plantation forest	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
...of which introduced species									
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total (a+b)</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>
<b>Total forest area</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>	<b>17.70</b>

### Comments

Since no updated information was available the figure of forest plantation has been repeated for the entire reporting period.

# 1c Primary forest and special forest categories

## National Data

### Data sources + type of data source eg NFI, etc

Mangroves data from Helmer et.al. 2008. Land Cover and Forest Formation Distirubutions for St. Kitts, Nevis, St. Eustatius, Grenada and Barbados from Decision Tree Classification of Cloud-Cleared Satellite Imagery

PrimaProtected forest area data from :

Purey-Cust, J.R. 1992.

Grenada National Forestry

Action Programme report, FAO, Rome.

### National classification and definitions

-

### Original data

Mangroves 180 ha

### 1991

Protected forested land tenures (1991)	Area (ha)
Grand Etang Forest Reserve	1 748
Mt St Catherine State Land	573

Total area for conservation of biodiversity 2321 ha. This area has been assumed to be equal to the primary forest area.

## Analysis and processing of national data

### Estimation and forecasting

-

### Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Primary forest	2.32	2.32	2.32	2.32	2.32
Temporarily unstocked and/or recently regenerated					
Bamboos					
Mangroves	0.18	0.18	0.18	0.18	0.18
Rubber wood	0.00	0.00	0.00	0.00	0.00

Comments

# 1d Annual forest expansion, deforestation and net change

## National Data

Data sources + type of data source eg NFI, etc

No data available

National classification and definitions

-

Original data

-

## Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-



FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Forest expansion (a)				
...of which afforestation				
...of which natural expansion				
Deforestation (b)				
Forest area net change (a-b)	0.00	0.00	0.00	0.00

Comments

# 1e Annual reforestation

## National Data

Data sources + type of data source eg NFI, etc

No data available

National classification and definitions

-

Original data

-

## Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Reforestation				

Comments

1f Other land with tree cover

National Data

Data sources + type of data source eg NFI, etc

No data available

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Palms (a)					
Tree orchards (b)					
Agroforestry (c)					
Trees in urban settings (d)					
Other (specify in comments) (e)					
Total (a+b+c+d+e)	–	–	–	–	–
Other land area	15.02	15.02	15.02	15.02	15.02

Comments

## 2 Forest growing stock, biomass and carbon

### 2a Growing stock

#### National Data

**Data sources + type of data source eg NFI, etc**

Expert estimates

**National classification and definitions**

Expert estimates (before 2004) indicate a growing stock approximately 55 m3 per hectare. The hurricanes in 2004 and 2005 severely destroyed the forests, and for 2005 and 2010 expert estimates of about 35 m3/ha and 45 m3/ha respectively have been used.

Data on growing stock were used as input for the biomass estimates.

Growing stock of plantation estimated to be 40m3/ha (expert estimate)

**Original data**

-

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

-

FRA categories	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00
Planted forest	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
...of which plantation forest	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
...of which other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	54.80	54.80	54.80	54.80	54.80	54.80	54.80	54.80	54.80
Other wooded land									

FRA categories	Total growing stock (million m³ over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Planted forest	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
...of which plantation forest	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
...of which other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Other wooded land									

Comments

2b Growing stock composition

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-



FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
#1 Ranked in terms of volume							
#2 Ranked in terms of volume							
#3 Ranked in terms of volume							
#4 Ranked in terms of volume							
#5 Ranked in terms of volume							
#6 Ranked in terms of volume							
#7 Ranked in terms of volume							
#8 Ranked in terms of volume							
#9 Ranked in terms of volume							
#10 Ranked in terms of volume							
Remaining native tree species							
Total volume of native tree species			–	–	–	–	–
Introduced tree species							
#1 Ranked in terms of volume							
#2 Ranked in terms of volume							
#3 Ranked in terms of volume							
#4 Ranked in terms of volume							
#5 Ranked in terms of volume							
Remaining introduced tree species							
Total volume of introduced tree species			–	–	–	–	–
Total growing stock			–	–	–	–	–

Comments

2c Biomass stock

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

Insert the percentages of Growing stock by IPCC forest type for each of the FRA forest categories									
IPCC forest types	FRA forest categories								
	Naturally regenerating forest	Plantation forest	Other planted forest						
	% of Growing stock								
Broadleaved humid	15%	80%							
Broadleaved dry	80%	0%							
Coniferous	5%	20%							
	100%	100%	0%	Must add up to 100%					
Insert Carbon fraction used by country (IPCC default = 0.47)									
Carbon Fraction	47%								
Biomass conversion and expansion factors (BCEF)									
Naturally regenerating forest	1990	2000	2010	2015	2016	2017	2018	2019	2020
Broadleaved humid	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Broadleaved dry	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Coniferous	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

<b>Plantation forest</b>									
Broadleaved humid	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Broadleaved dry	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05
Coniferous	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<b>Other planted forest</b>									
Broadleaved humid	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Broadleaved dry	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Coniferous	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
<b>Weighted BCEF</b>									
Naturally regenerating forest	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Plantation forest	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
Other planted forest									
<b>Root-shoot ratios</b>									
<b>Naturally regenerating forest</b>	<b>1990</b>	<b>2000</b>	<b>2010</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
Broadleaved humid	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Broadleaved dry	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Coniferous	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
<b>Plantation forest</b>									
Broadleaved humid	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Broadleaved dry	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Coniferous	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
<b>Other planted forest</b>									
Broadleaved humid	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Broadleaved dry	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Coniferous	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
<b>Weighted RS ratio</b>									
Naturally regenerating forest	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Plantation forest	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Other planted forest									

Above-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	109.86	109.86	109.86	109.86	109.86	109.86	109.86	109.86	109.86
Plantation forest	73.60	73.60	73.60	73.60	73.60	73.60	73.60	73.60	73.60
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	109.40	109.40	109.40	109.40	109.40	109.40	109.40	109.40	109.40
Below-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50	29.50
Plantation forest	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04	16.04
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33

Reclassification into FRA 2020 categories

-

FRA categories	Forest biomass (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass	109.40	109.40	109.40	109.40	109.40	109.40	109.40	109.40	109.40
Below-ground biomass	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33	29.33
Dead wood									

Comments

## 2d Carbon stock

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

### Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Forest carbon (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Carbon in above-ground biomass	51.42	51.42	51.42	51.42	51.42	51.42	51.42	51.42	51.42
Carbon in below-ground biomass	13.78	13.78	13.78	13.78	13.78	13.78	13.78	13.78	13.78
Carbon in dead wood									
Carbon in litter									
Soil carbon									

Soil depth (cm) used for soil carbon estimates	
--	--

Comments

### 3 Forest designation and management

#### 3a Designated management objective

##### National Data

**Data sources + type of data source eg NFI, etc**

Purey-Cust, J.R. 1992.

Grenada National Forestry

Action Programme report, FAO, Rome.

**National classification and definitions**

-

**Original data**

Protected forested land tenures (1991)	Area (ha)
Grand Etang Forest Reserve	1 748
Annandale Watershed	202
Concord Watershed	96
Mt St Catherine State Land	573
Mt Hope/Clabony Watershed	262

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

Grand Etang Forest Reserve	100% conservation of biodiversity
Annandale Watershed	100% Protection of soil and water
Concord Watershed	100% Protection of soil and water
Mt St Catherine State Land	100% conservation of biodiversity
Mt Hope/Clabony Watershed	100% Protection of soil and water

1996

Plantations = 100% Production

The remaining forest areas and have been classified as “no or unknown function”.



Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)	0.21	0.21	0.21	0.21	0.21
Protection of soil and water (b)					
Conservation of biodiversity (c)	2.32	2.32	2.32	2.32	2.32
Social Services (d)					
Multiple use (e)					
Other (specify in comments) (f)					
None/unknown (g)	15.17	15.17	15.17	15.17	15.17
Total forest area	17.70	17.70	17.70	17.70	17.70

Total area with designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production					
Protection of soil and water					
Conservation of biodiversity					
Social Services					
Other (specify in comments)					

Comments

### 3b Forest area within protected areas and forest area with long-term management plans

#### National Data

**Data sources + type of data source eg NFI, etc**

Purey-Cust, J.R. 1992.

Grenada National Forestry

Action Programme report, FAO, Rome.

**National classification and definitions**

-

**Original data**

Protected forested land tenures (1991)	Area (ha)
Grand Etang Forest Reserve	1 748
Annandale Watershed	202
Concord Watershed	96
Mt St Catherine State Land	573
Mt Hope/Clabony Watershed	262

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

-

FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest area within protected areas	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
Forest area with long-term forest management plan									
...of which in protected areas									

Comments

## 4 Forest ownership and management rights

### 4a Forest ownership

#### National Data

**Data sources + type of data source eg NFI, etc**

There is insufficient data to report on this table. The collapse of the banana industry and the passage of Hurricane Ivan and Emily, have caused an increase in privately owned forest lands (lands that were classified as agriculture have remained abandoned thus changing classification status).

**National classification and definitions**

-

**Original data**

-

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Private ownership (a)				
...of which owned by individuals				
...of which owned by private business entities and institutions				
...of which owned by local, tribal and indigenous communities				
Public ownership (b)				
Unknown/other (specify in comments) (c)	–	–	–	–
Total forest area	17.70	17.70	17.70	17.70

## Comments

## 4b Holder of management rights of public forests

### National Data

Data sources + type of data source eg NFI, etc

No information available

National classification and definitions

-

Original data

-

### Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)				
Individuals (b)				
Private business entities and institutions (c)				
Local, tribal and indigenous communities (d)				
Unknown/other (specify in comments) (e)	–	–	–	–
Total public ownership	–	–	–	–

Comments

## 5 Forest disturbances

### 5a Disturbances

#### National Data

**Data sources + type of data source eg NFI, etc**

No information available

**National classification and definitions**

-

**Original data**

-

#### Analysis and processing of national data

**Estimation and forecasting**

-

**Reclassification into FRA 2020 categories**

-



FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Insects (a)																		
Diseases (b)																		
Severe weather events (c)																		
Other (specify in comments) (d)																		
Total (a+b+c+d)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total forest area	17.70	17.70	-	-	-	-	-	-	-	-	17.70	-	-	-	-	17.70	17.70	17.70

Comments

## 5b Area affected by fire

### National Data

#### Data sources + type of data source eg NFI, etc

FRA 2020 geospatial tool, module 3 (file uploaded in the links and repository section)

#### National classification and definitions

-

#### Original data

-

### Analysis and processing of national data

#### Estimation and forecasting

-

#### Reclassification into FRA 2020 categories

-

FRA categories	Area (1000 ha)																	
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Total land area affected by fire	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
...of which on forest	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Comments

5c Degraded forest

Does your country monitor area of degraded forest		
If "yes"	What is the national definition of "Degraded forest"?	
	Describe the monitoring process and results	

Comments

6 Forest policy and legislation

6a Policies, Legislation and national platform for stakeholder participation in forest policy

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

Indicate the existence of	Boolean (Yes/No)	
	National	Sub-national
Policies supporting SFM		
Legislations and regulations supporting SFM		
Platform that promotes or allows for stakeholder participation in forest policy development		
Traceability system(s) for wood products		

Comments

## 6b Area of permanent forest estate

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Forest area (1000 ha)					
	Applicable?	1990	2000	2010	2015	2020
Area of permanent forest estate						

Comments



7 Employment, education and NWFP

7a Employment in forestry and logging

National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Full-time equivalents (1000 FTE)											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Employment in forestry and logging												
...of which silviculture and other forestry activities												
...of which logging												
...of which gathering of non wood forest products												
...of which support services to forestry												

Comments

## 7b Graduation of students in forest-related education

### National Data

Data sources + type of data source eg NFI, etc

-

National classification and definitions

-

Original data

-

FRA 2020 categories	Number of graduated students											
	1990			2000			2010			2015		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Doctoral degree												
Master's degree												
Bachelor's degree												
Technician certificate / diploma												
Total												

Comments

## 7c Non wood forest products removals and value 2015

### National Data

Data sources + type of data source eg NFI, etc

No data available

National classification and definitions

-

Original data

-

	Name of NWFP product	Key species	Quantity	Unit	Value (1000 local currency)	NWFP category
#1						
#2						
#3						
#4						
#5						
#6						
#7						
#8						
#9						
#10						
All other plant products						
All other animal products						
Total					-	

Name of currency	
------------------	--

Comments

8 Sustainable Development Goal 15

8a Sustainable Development Goal 15

SDG Indicator 15.1.1 Forest area as proportion of total land area 2015

Indicator	Percent							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area as proportion of total land area 2015	52.06	52.06	52.06	52.06	52.06	52.06	52.06	52.06

Name of agency responsible	
----------------------------	--

SDG Indicator 15.2.1 Progress towards sustainable forest management

Sub-Indicator 1	Percent						
	2000-2010	2010-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Forest area annual net change rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of agency responsible	
----------------------------	--

Sub-Indicator 2	Forest biomass (tonnes/ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Above-ground biomass stock in forest	109.40	109.40	109.40	109.40	109.40	109.40	109.40	109.40

Name of agency responsible	
----------------------------	--

Sub-Indicator 3	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area located within legally established protected areas	13.11	13.11	13.11	13.11	13.11	13.11	13.11	13.11

Name of agency responsible	
----------------------------	--

Sub-Indicator 4	Percent (2015 forest area baseline)							
	2000	2010	2015	2016	2017	2018	2019	2020
Proportion of forest area under long-term forest management plan	–	–	–	–	–	–	–	–

Name of agency responsible	
----------------------------	--

Sub-Indicator 5	Forest area (1000 ha)							
	2000	2010	2015	2016	2017	2018	2019	2020
Forest area under independently verified forest management certification schemes	0.00	0.00	0.00	0.00	0.00	0.00	–	–