



Food and Agriculture
Organization of the
United Nations

Global Forest Resources Assessment 2020

Desk Study

Montserrat

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.

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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

Introductory text

No report has been received from Montserrat. This report is the result of a desk study prepared by the FRA secretariat in Rome, which is based on the existing available information using the established format for FRA 2020.

Montserrat is one of the Leeward Islands of the Lesser Antilles in the Caribbean Sea. It is a dependency of the United Kingdom of Great Britain and Northern Ireland. The island of Montserrat consists of three principal volcanic massifs aligned on a north-south axis. The highest peak is the Soufriere Hills Volcano, at about 900 m. Formerly dormant, this volcano became active in 1995, with major eruptions in 1997 that killed a number of people and blanketed the southern part of the island with volcanic ash.

The climate of the island is tropical, with little daily or seasonal temperature variation.^[1] In the FAO global map of ecological zones Montserrat belongs to tropical rainforest, tropical moist forest and tropical dry forest zones.

Among the tree species, *Richeria grandis* is present and is abundant. Natural vegetation, palm brake and elfin woodland, persists only on the high peaks of the island, in an apparently normal condition. Otherwise, growth is entirely secondary. There is just a single patch of good Dacryodes-Sloanea rain forest on the west slope of the island. Several plans have proposed the establishment of plantations but so far only small areas have been planted.

Formerly, the mountain slopes, in spite of their extreme steepness, were cultivated almost to the very summits. As a result, and owing to the steep exposed slopes and the hurricanes that frequently sweep the island, high forest is practically non-existent. However, the forests on Montserrat are used jointly for soil and water protection, conservation of biodiversity and the provision of social services. ^[2] The National Forestry Action Plan for 1992-2011, suggests to plant some species for industrial purposes, as *Tabebuia pallida*, along with non-industrial species i.e. *Azadirachta indica*.^[3]

^[1] The World Factbook – Central Intelligence Agency (CIA) <https://www.cia.gov/library/publications/resources/the-world-factbook/docs/guidetowfbook.html> . Retrieved April 06, 2017.

^[2] Montserrat - Global Forest Resources Assessment 2015 – Country Report, FAO, 2015. Retrieved April 06, 2017.

^[3] Country Profiles – Department of Forest <http://www.fao.org/forestry/country/en/> . FAO, December 14, 2011. Retrieved April 06, 2017.

1 Forest extent, characteristics and changes

1a Extent of forest and other wooded land

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	FAOSTAT	Country area	2008		Secondary data source
2	Carribean Development Bank 1983. Regional Country Sector study, country report, Montserrat	Forest area	1982		Secondary data source
3	CARICOM Tropical Forestry Action Plan Montserrat 1991.	Other wooded land	1985		Secondary data source
4	National Forestry Action Plan 1992-2011.	Other wooded land	1985		Secondary data source
5	eftec (economics for the environment) - Viridian A National Ecosystem Assessment of the UK Overseas Territory of Montserrat: natural capital assessments, mapping and monitoring methods CONTRACT NUMBER: C17-0304-1159 Final Report For the Joint Nature Conservation Committee, Junw 2017	Forest area	2017		http://archive.jncc.gov.uk/pdf/ot_nca_sup_cbn_14_mst_nea_nca_june2017.pdf

National classification and definitions

National class	Definition
Scrub	Dry scrub woodlands are secondary forest with a height of only 5-10 meters. Common species are Pisonia fragrans, simaruba, Tamarindus indica
Littoral woodland	N/A
Rain and cloud forest	This is secondary forest. This vegetation type occurs toward the interior of the island. The forest is dense and closely ranked, with dominant trees from 27 to 33 m tall.
Moist forest	Moist forest is also secondary forest charaterized by species such as Cordia sulcata, Swietenia mahogani, Cedrela odorata, Inga laurina.

Original data

1982

National class	Area (ha)
Scrub	500
Littoral woodland	500
Rain and cloud forest	1500
Moist forest	1000
TOTAL	3500

The area of other wooded land is estimated at 1600 hectares (expert estimate).

From data source number 5: Ecosystem Assessment of Monserrat, 2017

The areas of the broad habitats mapped in Figure 4.1 are shown in Table 4.1, but with additional breakdown of the woodland habitat categories on the island. Forest cover is 25%, with a further 35% being thickets and scrub. There are extensive areas (approximately 20% of the island) of ash and mud bare ground that are a legacy of the volcano’s eruptive phase that began in July 1995. These data come from a new satellite source, so cannot be compared to previous habitat mapping in fine detail to measure changes in habitat areas.

Table 4.1: Areas of Broad Terrestrial and Marine Habitats on Montserrat.

	Habitat	Extent (ha)	Percentage
Super Class	Class		
Ash / mud	Ash / mud	2,148	21%
Bare ground	Bare ground	436	4%
Beach	Beach	249	2%
Developed Land	Buildings	48	0%
Cultivated area	Cultivated area	31	0%
Cultivated area	Disturbed ground / Cultivated area	302	3%
Dry forest	Dry forest	1,220	12%
Dry scrub	Dry scrub	1,995	19%
Dry scrub	Dry thicket	1,973	19%
Wet woodland	Elfin woodland	122	1%
Wet woodland	Mesic forest	1,077	10%
(marine)	Open water		
Rivers and ghauts	Rivers and ghauts	101	1%
Developed Land	Roads	46	0%
Developed Land	Urban	295	3%
Wet woodland	Wet forest	334	3%
	Total	10,376	100%
	Algal Reef (Hard Bottom)	4,149	32%
	Algal Reef (Mixed Bottom)	1,043	8%
	Artificial Reef	14	0%
	Colonized Volcanic Boulders	350	3%
	Coral Reef	875	7%
	Hard Bottom and Sand	1,339	10%
	Sand	4,600	36%
	Sargassum Forest	1	0%
	Seagrass	449	3%

	Total	12,821	100%
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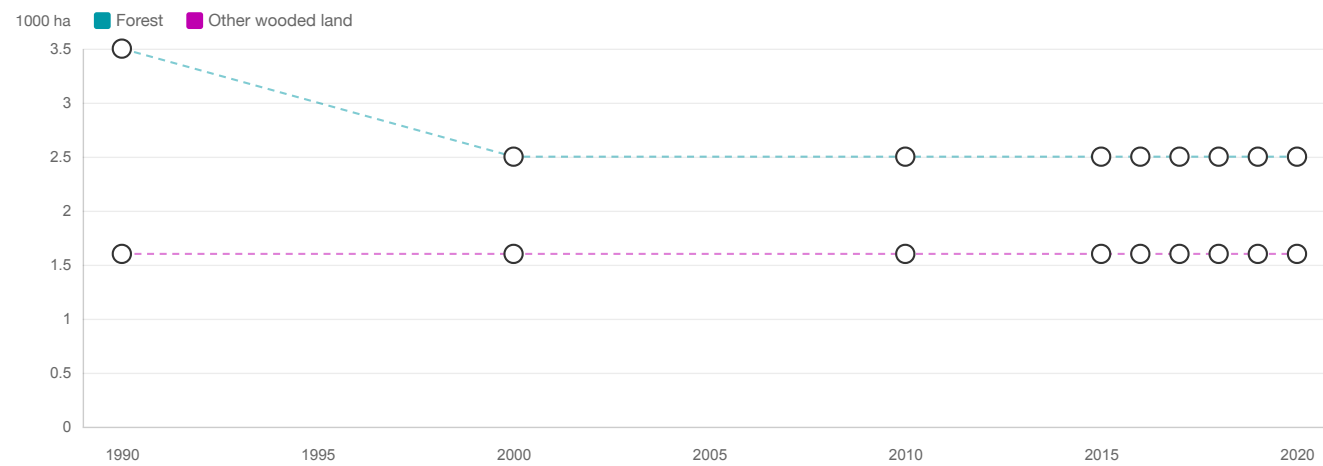
Analysis and processing of national data

Estimation and forecasting

Due to lack of other information, the data for 1982 was used for 1990. Data for 2000, 2005 and 2010 were estimated by subtracting the estimated loss due to volcanic activity from the data for 1982. The other wooded land figure is an expert estimate. Forest area data from 2010 is confirmed by the Ecosystem Assessment of Monserrat, 2017 and therefore maintained until 2020.

Reclassification into FRA 2020 categories

National class	Area (ha)
Scrub	100% forest
Littoral woodland	100% forest
Rain and cloud forest	100% forest
Moist forest	100% forest



FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Other wooded land (a)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
Other land (c-a-b)	4.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
Total land area (c)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00

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

Ongoing volcanic eruption since 1995 has significantly altered the landscape. 50% to 60% of land has been decimated by pyroclastic flows, mud flows and ash deposition.

1b Forest characteristics

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables	Years	Additional comments
1	CDB. 1983. Regional Forestry Sector Study, Country report Montserrat	Forest area	1982	Secondary data
2	Physical Planning Unit GIS	Forest area	2008	Primary data
3	eftec (economics for the environment) - Viridian A National Ecosystem Assessment of the UK Overseas Territory of Montserrat: natural capital assessments, mapping and monitoring methods CONTRACT NUMBER: C17-0304-1159 Final Report For the Joint Nature Conservation Committee, Junw 2017	Forest area	2017	http://archive.jncc.gov.uk/pdf/ot_nca_sup_cbn_14_mst_nea_nca_june2017.pdf

National classification and definitions

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Original data

-

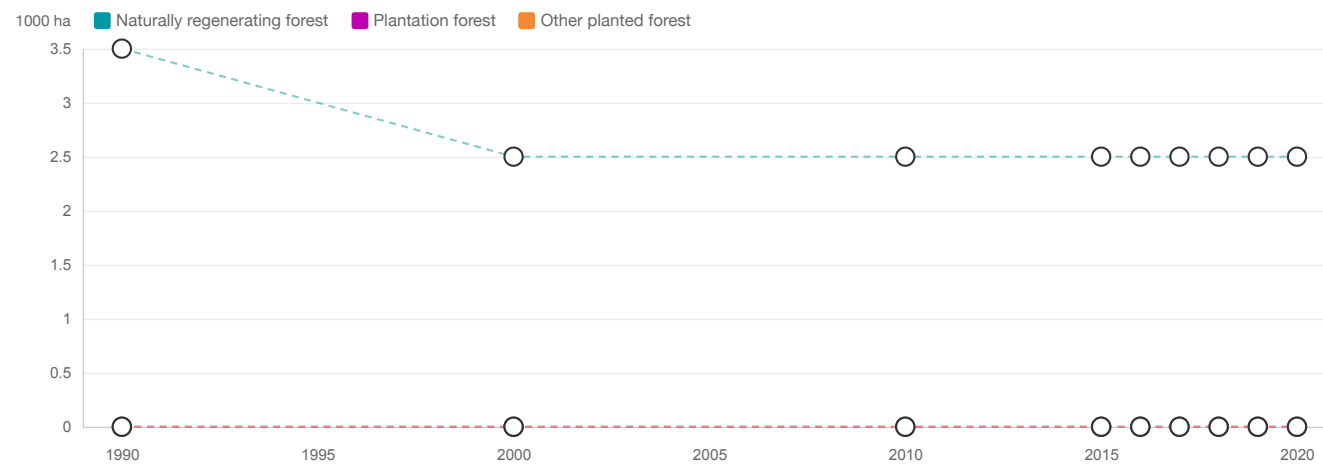
Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

All forests have been classified as 100% ' Naturally regenerating forest' and reported following question 1a.



FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Planted forest (b)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which introduced species	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (a+b)	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Total forest area	3.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50

Comments

1c Primary forest and special forest categories

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	FAO. Thematic study on Mangroves. Montserrat	Mangroves	2005		Secondary source

National classification and definitions

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Original data

Montserrat is a volcanic island with often steeply shelving shores and a coast morphology not very suitable for the development of rich mangrove forests. Trees of Rhizophora mangle, Avicennia germinans, Laguncularia racemosa and Conocarpus erectus may be found in four sites, Carr’s Bay, Collin River, Fox’s Bay and Old Road Bay. Among these Fox’s Bay, with its permanent brackish pool, is the most important, where mangroves are also protected in the Bird Sanctuary.

Following Tomlinson 1987 classification, mangroves may be divided into three groups according to their features: major elements (strict or true mangroves), minor elements and mangrove associates. Tomlinson list of true mangrove species have been here modified by adding some species commonly found as exclusive mangrove species (Saenger et al. 1983) In the context of this assessment, only true mangrove species found in the present country will be reported: Acrostichum aureum Avicennia germinans Avicennia schaueriana Conocarpus erectus Laguncularia racemosa Rhizophora mangle.

The FAO thematic study on mangroves estimated mangrove area based on the data contained in the following primary source: Bacon, P.R. 1991. The status of Mangrove conservation in the Caricom Islands of the Eastern Caribbean. Report to the Commission of the European Communities as part of the Tropical Forestry Action Plan for the Caribbean Region. University of the West Indies, Mona, Jamaica. 211 pp.

The real extent cited of the mangroves is "less than 5 ha"

Analysis and processing of national data

Estimation and forecasting

Due to a lack of updated information, the 1991 data has been maintained for all reporting years.

Reclassification into FRA 2020 categories

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FRA categories	Area (1000 ha)				
	1990	2000	2010	2015	2020
Primary forest					
Temporarily unstocked and/or recently regenerated					
Bamboos					
Mangroves	0.01	0.01	0.01	0.01	0.01
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

-

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)	-0.10	0.00	0.00	0.00

Comments

1e Annual reforestation

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

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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

-

National classification and definitions

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Original data

-

Analysis and processing of national data

Estimation and forecasting

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Reclassification into FRA 2020 categories

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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	4.90	5.90	5.90	5.90	5.90

Comments

2 Forest growing stock, biomass and carbon

2a Growing 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	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest									
Planted forest									
...of which plantation forest									
...of which other planted forest									
Forest									
Other wooded land									

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

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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

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Reclassification into FRA 2020 categories

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

Soil depth (cm) used for soil carbon estimates	
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Comments

3 Forest designation and management

3a Designated management objective

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	Carribean Development Bank 1983. Regional Country Sector study, country report, Montserrat	Forest area	1982		Secondary data source

National classification and definitions

-

Original data

No official information has been found on the designated function of forest and other wooded land in Montserrat. However, the forests on Montserrat are used jointly for soil and water protection, conservation of biodiversity and the provision of social services.

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

Forest area from question 1a was classified as 100% "Multiple use"

Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)	0.00	0.00	0.00	0.00	0.00
Protection of soil and water (b)	0.00	0.00	0.00	0.00	0.00
Conservation of biodiversity (c)	0.00	0.00	0.00	0.00	0.00
Social Services (d)	0.00	0.00	0.00	0.00	0.00
Multiple use (e)	3.50	2.50	2.50	2.50	2.50
Other (specify in comments) (f)	0.00	0.00	0.00	0.00	0.00
None/unknown (g)	0.00	0.00	0.00	0.00	0.00
Total forest area	3.50	2.50	2.50	2.50	2.50

Total area with designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production					
Protection of soil and water	3.50	3.50	3.50	3.50	3.50
Conservation of biodiversity	3.50	3.50	3.50	3.50	3.50
Social Services	3.50	3.50	3.50	3.50	3.50
Other (specify in comments)					

Comments

The forests on Montserrat are used jointly for soil and water protection, conservation of biodiversity and the provision of social services.

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

	References to sources of information	Variables	Years	Additional comments
1	Carribean Development Bank 1983. Regional Country Sector study, country report, Montserrat	Forest area	1982	Secondary data source

National classification and definitions

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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	2016	2017	2018	2019	2020
Forest area within protected areas	0.00	0.00	1.16	1.16	1.16	1.16	1.16	1.16	1.16
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

	References to sources of information	Variables		Years	Additional comments
1	Physical Planning Unit GIS	Forest ownership	2005		Primary data source
2	Expert knowledge	Management rights	N/A		N/A

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)	2.24	1.60	1.60	1.60
...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)	1.16	0.83	0.83	0.83
Unknown/other (specify in comments) (c)	0.10	0.07	0.07	0.07
Total forest area	3.50	2.50	2.50	2.50

Comments

The figures of 2010 have been used to report for 2015.

Category	Comments related to data definitions etc	Comments on the reported trend
Public ownership	N/A	Decreases due to forest being destroyed by volcanic activity.
Private ownership	N/A	Decreases due to forest being destroyed by volcanic activity.
Unknown ownership	N/A	Decreases due to forest being destroyed by volcanic activity.
Management rights	Government manages all public forest.	N/A

4b Holder of management rights of public forests

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	Physical Planning Unit GIS	Forest ownership	2005		Primary data source
2	Expert knowledge	Management rights	N/A		N/A

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)	1.16	0.83	0.83	0.83
Individuals (b)	0.00	0.00	0.00	0.00
Private business entities and institutions (c)	0.00	0.00	0.00	0.00
Local, tribal and indigenous communities (d)	0.00	0.00	0.00	0.00
Unknown/other (specify in comments) (e)	0.00	0.00	0.00	0.00
Total public ownership	1.16	0.83	0.83	0.83

Comments

Figures for 2010 have been used to report for 2015.

5 Forest disturbances

5a Disturbances

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	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	2.50	-	-	-	-	-	-	-	-	-	2.50	-	-	-	-	2.50	2.50	2.50

Comments

5b Area affected by fire

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	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																		
...of which on forest																		

Comments

5c Degraded forest

Does your country monitor area of degraded forest		No
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

Due to the small size of the country, sub-national forest policy and laws are not applicable.

6b Area of permanent forest estate

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	Carribean Development Bank 1983. Regional Country Sector study, country report, Montserrat	Forest area	1982		Secondary data source

National classification and definitions

-

Original data

-

FRA 2020 categories	Forest area (1000 ha)					
	Applicable?	1990	2000	2010	2015	2020
Area of permanent forest estate	Yes	1.16	1.16	1.16	1.16	1.16

Comments

Data from 2010 have been used for all the reporting years.

The Permanent forest estate is Forested land protected by statutes.

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

-

National classification and definitions

-

Original data

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	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	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00

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

Name of agency responsible	
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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	0.00	46.40	46.40	46.40	46.40	46.40	46.40	46.40

Name of agency responsible	
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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	
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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	–	–