



Food and Agriculture
Organization of the
United Nations

Global Forest Resources Assessment 2020

Desk Study

Saudi Arabia

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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Introduction

Introductory text

No official report has been received from Saudi Arabia. This report is the result of a desk study prepared by the FRA secretariat in Rome, which summarizes existing available information using the established format for FRA 2020 country reports.

1 Forest extent, characteristics and changes

1a Extent of forest and other wooded land

National data

Data sources

2008	References	Reports of Dept. of Natural Resources
	Methods used	Sample-based remote sensing assessment
	Additional comments	Estimate is based on reports of National Forest Inventory by using GIS

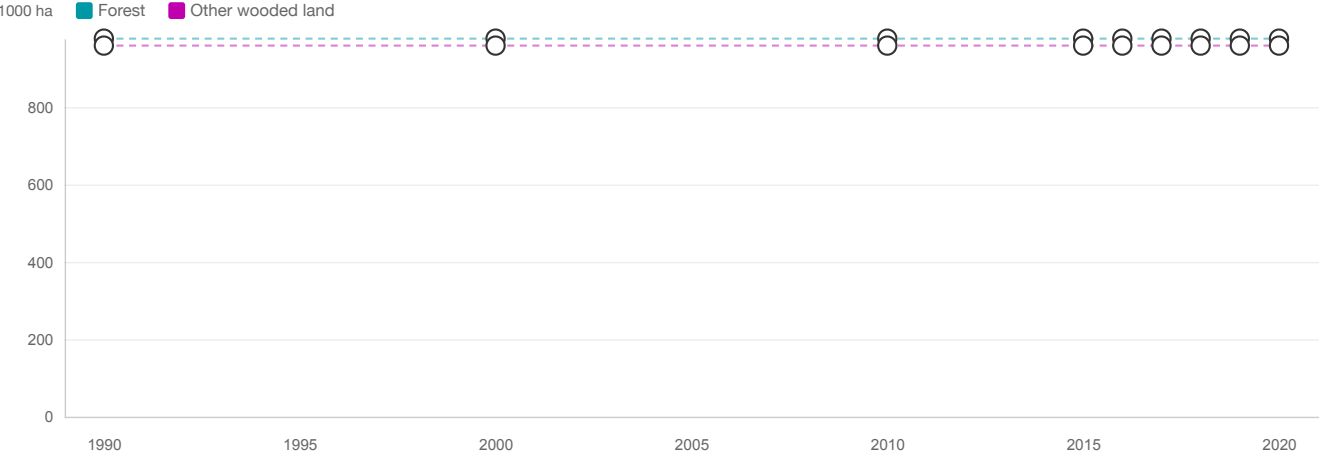
Classifications and definitions

2008	National class	Definition
	Forests	
	Riyad, Fiads and Valleys	
	Oasis	
	Rangelands	
	Agricultural lands	
	Parks and gardens	
	Others	

Original data and reclassification

2008	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Forests	977.00	100.00 %	0.00 %	0.00 %
	Riyad, Fiads and Valleys	959.00	0.00 %	100.00 %	0.00 %
	Oasis	250.00	0.00 %	0.00 %	100.00 %
	Rangelands	170 000.00	0.00 %	0.00 %	100.00 %

	Agricultural lands	1 075.00	0.00 %	0.00 %	100.00 %
	Parks and gardens	11.00	0.00 %	0.00 %	100.00 %
	Others	26 023.00	0.00 %	0.00 %	100.00 %
	Total	199 295.00	977.00	959.00	197 359.00



FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00
Other wooded land (a)	959.00	959.00	959.00	959.00	959.00	959.00	959.00	959.00	959.00
Other land (c-a-b)	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00
Total land area (c)	214 969.00	214 969.00	214 969.00	214 969.00	214 969.00	214 969.00	214 969.00	214 969.00	214 969.00

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

1b Forest characteristics

National data

Data sources

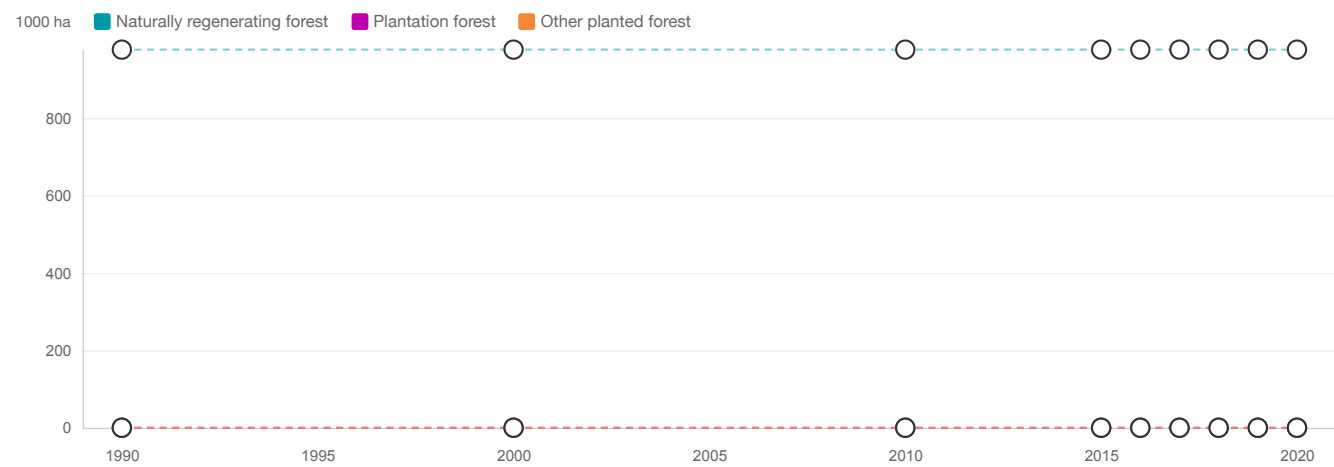
2008	References	Reports of Dept. of Natural Resources
	Methods used	Sample-based remote sensing assessment
	Additional comments	Estimate is based on reports of National Forest Inventory by using GIS

Classifications and definitions

2008	National class	Definition
	Forests	
	Riyad, Fiads and Valleys	
	Oasis	
	Rangelands	
	Agricultural lands	
	Parks and gardens	
	Others	

Original data and reclassification

2008	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Forests	977.00	100.00 %	0.00 %	0.00 %
	Total	977.00	977.00	0.00	0.00



FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00
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)	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00
Total forest area	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00	977.00

Comments

1c Primary forest and special forest categories

National Data

Data sources + type of data source eg NFI, etc

Dept. of Range and Forestry	1994
Partial forest inventory carried out by Attalah in (1984), Natural Forests in Saudi Arabia, and the possibility to exploit it economically.	1984

National classification and definitions

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Original data

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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
Primary forest	360.00	360.00	360.00	360.00	360.00
Temporarily unstocked and/or recently regenerated					
Bamboos					
Mangroves	158.00	158.00	158.00	158.00	158.00
Rubber wood	0.00	0.00	0.00	0.00	0.00

Comments

The *Juniperus* forest was considered as a primary forest. The area was estimated based on the following expert estimate: the juniperus growing stock (coniferous) is about 37 % of the total GS - reported to all categories and years.

1d Annual forest expansion, deforestation and net change

National Data

Data sources + type of data source eg NFI, etc

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National classification and definitions

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Original data

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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/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

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National classification and definitions

Original data

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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/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

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National classification and definitions

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Original data

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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	213 033.00	213 033.00	213 033.00	213 033.00	213 033.00

Comments

2 Forest growing stock, biomass and carbon

2a Growing stock

National Data

Data sources + type of data source eg NFI, etc

	References to sources of information	Variables		Years	Additional comments
1	Dept. of Range and Forestry	Forest area	1994		N/A
2	Partial forest inventory carried out by Attalah in (1984), Natural Forests in Saudi Arabia, and the possibility to exploit it economically.	Growing stock	1984		N/A
3	National Forest Inventory (NFI) (Ongoing)	Diversity of tree spp., Growing stock	2005		N/A
4	Dept. of Range and forestry, Ministry of Agriculture.	Growing stock composition	2000		N/A
5	FAO, Guidelines for country reporting to FRA 2010 Working Paper 143. Rome 2008	Biomass expansion factor. Basic density of woods Rootshoot ratio, Carbon Fraction, carbon in litter 2008 and soil	2008		N/A

National classification and definitions

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Original data

Variable / category	Comments related to data, definitions, etc.
Total growing stock	The data for the year 2010 is more reliable. It is based on GIS survey
Growing stock of broadleaved / coniferous	Expert estimate – the <i>juniperus</i> growing stock (coniferous) is about 37 % of the total GS – reported to all categories and years.

Analysis and processing of national data

Estimation and forecasting

National class (Broad classes of forest types)	Volume (m3/ha)
Natural Forest (NF)	8.4
OWL	5.0

The above figures are expert estimates based on a partial inventory undertaken in 1984 and some preliminary findings from the ongoing NFI.

Growing stock

The above average volumes per hectare were applied to the area of forest and other wooded land from Question 1.

The **growing stock/hectare** was estimated at 4.86 and 1.5 m³/ha for Forest and Other Wooded Land respectively in 1984. It was then refined to **8.40 and 5 m³/ha respectively** based on some results of the ongoing forest inventory. This is still a very low figure, but it is the best estimate we have until more results from the ongoing NFI become available.

Reclassification into FRA 2020 categories

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FRA categories	Growing stock m³/ha (over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40
Planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40	8.40
Other wooded land	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00

FRA categories	Total growing stock (million m³ over bark)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21
Planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which plantation forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
...of which other planted forest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Forest	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21
Other wooded land	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80

Comments

2b Growing stock composition

National Data

Data sources + type of data source eg NFI, etc

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National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

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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	Juniperus procera	Arar					
#2 Ranked in terms of volume	Acacia spp.	Akasiat					
#3 Ranked in terms of volume	Ziziphus spina-christi	Al sidir					
#4 Ranked in terms of volume	Olea europaea	Zaitoon bari					
#5 Ranked in terms of volume	Prosopis juliflora	Miskeet					
#6 Ranked in terms of volume	Tamarix spp.	Al tarfa					
#7 Ranked in terms of volume	Avicennia marina	Mangroves					
#8 Ranked in terms of volume	Hyphaene thebaica	Al dom					
#9 Ranked in terms of volume	Capparis decidua	Tontob					
#10 Ranked in terms of volume	Ficus spp.	Al labakh					
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							

FRA categories	Scientific name	Common name	Growing stock in forest (million m³ over bark)				
			1990	2000	2010	2015	2020
Native tree species							
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

FRA 2020 Biomass calculator

National classification and definitions

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Original data

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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	0%	0%	0%						
Broadleaved dry	63%	0%	0%						
Coniferous	37%	0%	0%						
	100%	0%	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	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

Plantation forest									
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
Other planted forest									
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
Weighted BCEF									
Naturally regenerating forest	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17
Plantation forest									
Other planted forest									
Root-shoot ratios									
Naturally regenerating forest	1990	2000	2010	2015	2016	2017	2018	2019	2020
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	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Plantation forest									
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
Other planted forest									
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
Weighted RS ratio									
Naturally regenerating forest	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Plantation forest									
Other planted forest									

Above-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61
Plantation forest	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	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61
Below-ground biomass (t/ha)									
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63
Plantation forest	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	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63

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	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61
Below-ground biomass	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63	8.63
Dead wood									

Comments

2d Carbon stock

National Data

Data sources + type of data source eg NFI, etc

References to sources of information	Quality (H/M/L)	Variable(s)	Year(s)	Additional comments
FAO, Guidelines for country reporting to FRA 2010 Working Paper 143. Rome 2008	H	Carbon Fraction, carbon in litter 2008 and soil	2008	

National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

The soil carbon was calculated for LAC soils (35 ton/ha)

Reclassification into FRA 2020 categories

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FRA categories	Forest carbon (tonnes/ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Carbon in above-ground biomass	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51	12.51
Carbon in below-ground biomass	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
Carbon in dead wood									
Carbon in litter									
Soil carbon	34.21	34.21	34.21	34.21	34.21	34.21	34.21	34.21	34.21

Soil depth (cm) used for soil carbon estimates	30.00
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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

Saudi Arabia's Vision 2030", the National Transformation Program 2020

National Forestry Strategy and Action Plan of Saudi Arabia

National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

The Kingdom exerts tremendous efforts to safe forests and control desertification and in order to conserve the desert environment and related biodiversity. In this context, the Ministry of Agriculture extended protection to 40 sites in various regions of the Kingdom with an aim to protect plants from overgrazing. The Ministry also set up three stations for breeding of grazing plant seeds, plus 27 nurseries for grazing and forestry plants, in addition to a bank for genetic origins of plants. A centre has also been set up to receive satellite images to monitor sand creeping which threaten human habitable and cultivable areas. In addition, a specialized centre has been established for desert studies and control of desertification, with an objective to encourage research and studies in this field.

Reclassification into FRA 2020 categories

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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)	977.00	977.00	977.00	977.00	977.00
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	977.00	977.00	977.00	977.00	977.00

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

Dept. of Range and Forestry Reports. 1996

Dept. of Natural Resource 2009

National classification and definitions

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Original data

Area of national forest parks

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	2016	2017	2018	2019	2020
Forest area within protected areas			3.00	3.00	3.00	3.00	3.00	3.00	3.00
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

Title	Forest and Pasture Law
Date of issuance	29 / 10 / 1425 H
Date of Publication	26 /11 /1425H
Status	Active
Instruments	<ul style="list-style-type: none">• Royal Decree No. M/55 dated 29 / 10 / 1425 H• Council of Ministers Resolution No. 247 dated4 / 9 / 1425 H

National classification and definitions

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Original data

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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 area (1000 ha)			
	1990	2000	2010	2015
Private ownership (a)	19.00	19.00	19.00	19.00
...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)	958.00	958.00	958.00	958.00
Unknown/other (specify in comments) (c)	0.00	0.00	0.00	0.00
Total forest area	977.00	977.00	977.00	977.00

Comments

4b Holder of management rights of public forests

National Data

Data sources + type of data source eg NFI, etc

Ministry of Environment, Water and Agriculture

Title	Forest and Pasture Law
Date of issuance	29 / 10 / 1425 H
Date of Publication	26 /11 /1425H
Status	Active
Instruments	<ul style="list-style-type: none">• Royal Decree No. M/55 dated 29 / 10 / 1425 H• Council of Ministers Resolution No. 247 dated4 / 9 / 1425 H

National classification and definitions

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Original data

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Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

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FRA categories	Forest area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)	958.00	958.00	958.00	958.00
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	958.00	958.00	958.00	958.00

Comments

5 Forest disturbances

5a Disturbances

National Data

Data sources + type of data source eg NFI, etc

Field Survey, Remote Sensing and GIS Based Evaluation of Rangelands, Kingdom of Saudia Arabia

National classification and definitions

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Original data

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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)																	
	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)																40.30		
Total (a+b+c+d)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	40.30	–	–
Total forest area	977.00	–	–	–	–	–	–	–	977.00	–	977.00	–	–	–	–	977.00	977.00	977.00

Comments

In recent decade the mountains of Fayfa is under very severe pressure from invasive non-native species (or noxious weeds) of Opuntia sp. So far, only two species of Opuntia are known from the Kingdom of Saudi Arabia and in Fayfa both the species were recorded, but found Opuntia dillenii dominating in Fayfa mountain range. Although none of the potential weed Opuntia sp. are included in noxious weed list of Saudi Arabia. Generally noxious weeds are classified as undesirable, noxious, harmful, injurious, or poisonous. They generally have one or more of the following characteristics: aggressive and difficult to manage, poisonous, toxic, parasitic, carrier or host of serious insects or disease, and generally nonnative.

Opuntia sp. forms into large colonies and dense populations over the mountain area. An excessive presence of Opuntia sp. degrades wildlife habitat, reduces flora and fauna species diversity, and decreases land value. Hence, measures should be taken to eradicate the excess existence of Opuntia sp. to safeguard the flora and fauna of Fayfa mountain range.

5b Area affected by fire

National Data

Data sources + type of data source eg NFI, etc

Ministry of Environment, Water and Agriculture, Agricultural Statistics

General directorate of civil defense saudi arabia

Study on forest fires causes and ways of confrontation 2010

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	1.43	0.83	0.35	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.02	0.13
...of which on forest																		

Comments

5c Degraded forest

Does your country monitor area of degraded forest		Yes
If "yes"	What is the national definition of "Degraded forest"?	Degraded forests are forests that have been lost through human, structural, industrial or residential activities Long-term reduction in the total potential supply of forest benefits, including timber, biodiversity and other products or services
	Describe the monitoring process and results	<ul style="list-style-type: none">• Identify and reserve forests for conservation• Application of sustainable forest management systems for the purpose of their protection• Protection of estuaries, watersheds, waterways and other natural resources• Ensure that the forest resource is replenished and increased by natural reproduction or by afforestation to ensure resource sustainability• Provide institutional support to forest management and tree signers to increase their effectiveness in program implementation the result will be <ul style="list-style-type: none">• Conservation of the environment.• Water resources development.• Protection of wildlife.• Conservation of the genetic resources of the forests.• Preserve soil and prevent erosion.

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 Forest Strategy and Action Plan for the Kingdom of Saudi Arabia

National classification and definitions

-

Original data

National Forest Strategy and Action Plan for the Kingdom of Saudi Arabia

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

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	No					

Comments

no data

7 Employment, education and NWFP

7a Employment in forestry and logging

National Data

Data sources + type of data source eg NFI, etc

Ministry of Environment, Water and Agriculture

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	0.05	0.00	0.05	0.05	0.00	0.05	0.08	0.00	0.08	0.10	0.00	0.10
...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

Ministry of education
.1999/2000/2010/2015

<https://departments.moe.gov.sa/PLANNINGINFORMATION/RELATEDDEPARTMENTS/EDUCATIONSTATISTICSCENTER/EDUCATIONDETAILEDREPORTS/Pages/default.aspx>

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	3.00	0.00	3.00	7.00	3.00	4.00	5.00	2.00	3.00	10.00	2.00	8.00
Master's degree	9.00	2.00	7.00	9.00	3.00	6.00	14.00	5.00	9.00	15.00	3.00	12.00
Bachelor's degree	12.00	0.00	12.00	27.00	0.00	27.00	30.00	0.00	30.00	35.00	5.00	30.00
Technician certificate / diploma												
Total	24.00	2.00	22.00	43.00	6.00	37.00	49.00	7.00	42.00	70.00	10.00	50.00

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

-

	Name of NWFP product	Key species	Quantity	Unit	Value (1000 local currency)	NWFP category
#1	Honey	Acacia spp	51	Ton	12 750	11 Wild honey and bee wax
#2						1 Food
#3						
#4						
#5						
#6						
#7						
#8						
#9						
#10						
All other plant products						
All other animal products						
Total					12 750	

Name of currency	Saudi riyal
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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	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45

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	26.61	26.61	26.61	26.61	26.61	26.61	26.61	26.61

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	–	0.31	0.31	0.31	0.31	0.31	0.31	0.31

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	–	–