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Organization of the
United Nations

Global Forest Resources Assessment 2020

Report

Azerbaijan

Rome, 2020



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Introduction

Report preparation and contact persons

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

Name	Role	Email	Tables
(old contact) Sadig Salmanov	Collaborator	test@test.org	All
Sadig Salmanov	National correspondent	sadiq_forest@mail.ru	All

Introductory text

Forests are considered to be one of the most valuable natural resources of Azerbaijan that integrate soil, water, trees, bushes, vegetation, wildlife, and microorganisms which mutually affect each other from biological viewpoint in the course of development.

For the past 200 years the forest area has become twice as less. In 8-9th century the present area of Azerbaijan was covered with 35 percent of forests. At present forests of Azerbaijan constitute 989,4 thousand ha or 11% of the territory. This indicator constitutes 44% in Russian Federation, 41% in Latvia, 39% in Georgia.

49 percent falls in the share of the Great Caucasus region, 34 percent belongs to the Lesser Caucasus region, 15 percent pertains to the Kura-Araz lowland, 0,5 percent or 6 thousand ha refers to Nakhichevan Autonomic Republic. The forest density ratio in Azerbaijan is 0,12 ha per capita.

It should be pointed out that 261 thousand ha of forest area refer to the territory which has been occupied by Armenia. Forests play a kind of a role of humidity accumulator and give origin to a multiple number of Mountain Rivers and regulate the allocation of water over lowlands and plains. In addition forests prevent from landslips and avalanches in mountainous regions. At the same time forests possess phytonsit abilities; they secrete phytonsits that kill harmful microorganisms. Forests also protect from harmful effects plants, soil, water reservoirs, roads, human settlements, memorials, and natural factors, change microclimate, reduces the effect of dry, hot, and severe winds. Forests reinforce valleys, ravines, and shifting sands, facilitate an even distribution of snow cover and its gradual melting, reduce evaporation and lower the level of ground waters.

In addition to all the aforementioned the foremost role of forests in the environment is that they as a powerful pump are capable of drawing in 10 to 20 tons carbon gas per one hectare per year and releasing oxygen in return. One hectare of forest area absorbs 8 kg of carbon gas per hour and that is equal to the amount of carbon gas breathed out by 200 people per hour.

Northern-eastern slopes of the mountain chain of the Great Caucasus are deemed to be vast forest areas of Azerbaijan. These forests start from the Azerbaijanian territory and stretch up to the border of Dagestan. In northern eastern part of Azerbaijan forest encompasses the administrative regions of Guba, Gusar, Davachi, Siyazan and Khizi towards southwest. From the Khizi region towards southwest forest tracts gradually decline and are completely replaced by drought areas. In the macro slope of the Great Caucasus within the territory of the Shamakhi region forest tracts emerge again and form continuous cover along the slopes up to the border of the Republic of Georgia. Here forests mainly cover the area pertaining to the mountainous part of the Ismailly, Gabala, Oghuz, Shaki, Gakh, Zagatala and Balakan regions. The forest tract stretches uninterruptedly by the southern slope towards west up to the border of Georgia.

One of the vast forest areas are also the slopes of the Lesser Caucasus mountainous chain. Forests cover the northern, northern-eastern, and eastern slopes of main foothills in the shape of single tracts here. Only in the area of the Southern Garabagh the forest tract is interrupted and does not reach the Iranian border. Besides, forests can be met in the form of small islands on the slopes of Kukudag of the Shahbuz region in the Nakhichevan Autonomic Republic.

One of the vast forest tracts also covers slopes of Talish Mountain. Here forests are spread over the areas of the Astara, Lenkoran, Lerik, Masalli, Yardimli, Jalilabad and partially Bilasuvar regions. A lesser part of forests stretches along the Kura and Araz rivers and occupies a belt-shaped area in the form of Tugay tract.

There are specific forest formations in Azerbaijan. These formations are as follows:

Coniferous forests composed of Garmagvari pine

2. Sparse juniper forests

3. Pistachio forests composed of Eastern pistachio

4. Oak forest formations:

a) (Talish) forests composed of Chestnut leaf oak

b) Low altitude mountain forests composed of Georgian oak

c) High altitude mountain forests composed of Eastern oak

d) Plain forests composed of Long limb oak

e) Low productive forests composed of Araz oak

Other species of oak such as gold oak, black oak, tender oak, gray oak and so on do not have their separate formations and take part in formations of other species.

5. Hornbeam forest formations

6. Relic forest formations composed of Iron tree

7. Forest formations of Aghajgayin

8. Persimmon forests

9. Garaaghaj forests

10. Walnut forests

11. Average chestnut forests
12. Forest composed of Azad tree
13. Forests composed of Silk acacia
14. Humid forests composed of False nut
15. Gizilaghaj forests
16. Birch forests
17. Govag forests
18. Tugay forests that are formed along the Kura-Arza river banks.

There are separate formations with regard to location and species composition.

Azerbaijan has gained a world-wide fame for its amazing beauty, rich natural resources, flora and fauna diversity. 4500 species of higher plants incorporated under 125 orders and 930 taxa are spread here. Of them 450 species of trees and bushes related to 48 orders and 135 taxa occur in forests of Azerbaijan. This constitutes 11 plant species in the flora of the Republic. 70 regional endemic species can be found in the dendroflora of Azerbaijan. This is meant to be 16% of all tree and bush species of plant.

Despite such a richness of dendroflora of Azerbaijan main forest generating species are in decline. Azerbaijan forests are composed of mainly broadleaf species. Coniferous forests that occupy a lesser area of the Great and Lesser Caucasus mainly consist of Garmagvari pine (*Pinus hamata*). It is sometimes called Koh (*P. Kochioana*) or Sosnovski (*P. Sosnovi*) and can be found in the Lesser Caucasus in forests around Shamlig and Boyuk Gishlag villages in the area of the Tovuz region in Gey Gel and in the Great Caucasus in the Gusar region.

At the Eldar Oyuglu mountain in an area of 400 ha one can find Eldar pine (*Pinus eldaricas*) growing in kserofit conditions mainly in new and humid pistachio forests consisting of Garachohra (*Taxus baccata*) in combination with broadleaf species or in the form of small forests. Such small forests are found in the Great Caucasus in the Hamzali cemetery of the Gabala region, in forests of the Piriguli and Oghuz region, in Khizi, and forests named Dahar foothills; in the Lesser Caucasus they can be met in Gey-Gol, Gadabay forests, Talish Mountains, and in forests around Hamazat village of the Lerik region.

Of the coniferous forests the most widely spread are Juniper forests. In the Azerbaijan forests Gazakh juniper (*Juniperus Salina*), Elongated juniper (*C. oblonga*), jirtan juniper (*C. pumila*), Small juniper (*C. depressa*), Red juniper (*C. polycarpus*) and other species of juniper grow. The vastest area of juniper is in Bozdagh, in Nakhchivan forests there are sparse juniper forests the areas of which are not so wide.

Coniferous forests (juniper and pine) constitutes 1,6 percent of the territory covered with forests. There no evergreen broadleaf forests in Azerbaijan. Such species are only found in parks and gardens of settlements in Baku, Ganja, Sheki, Sumgayit and other big cities and communities. Forests of the Republic are mainly composed of deciduous broadleaf forests.

Forest areas categorized with regard to prevalent species are distributed approximately as follows: Pine- 0,3, juniper -1,3, pistachio - 31,9, oak - 31,5, hornbeam - 22,4, goyrukh - 0,9, aghjagayin - 0,3, bushes - 2,2, birch - 0,14, govag - 0,81, gizilaghaj - 0,82, lime-tree - 0,10, other species - 8,06. Despite the forests being very diverse in composition broadleaf forests are generated mainly by pistachio, oak and hornbeam. These three species constitute 85,8 percent of the territory covered with forests.

The allocation of forests with regard to age is also various. Thus, young forests comprise 11,2 percent of the territory covered with forests, middle aged forests constitute 63,3 percent and premature forests constitute 13,4 percent and mature and old forests make up 12,1 percent.

Most of the forests of Azerbaijan by being located on steep mountain slopes are very significant in terms of soil reinforcement, water purification and climate betterment.

The allocation of forests with regard to their density is also various. 13,7 percent of forests in the Republic refer to ones of low density (0,3-0,4), 2,62 percent refer to ones of middle density (0,5-0,6), 18,3 percent are of normal density (0,7-0,8) and 2,62 percent refer to forests with high density (0,9-1,0). The average density of forests has been defined as 0,56.

The allocation of forests with regard to Bonitet classification is also various. Forests with high I-II bonitet level constitute 14,9 percent of the area covered with forests, 42,3 percent are forests with III bonitet level, 27,4 percent are forests with IV bonitet level and forests with low V bonitet level make up 15,4 percent. The average annual growth level of forests is 1,74 cubic meters. This growth accounts for 1,77 cubic meters in hard leaf taxa (pistachio, oak, hornbeam, etc.) and 2,12 cubic meters in soft leaf taxa (govag, yalangoz, gizilaghaj).

Based on the above said we can conclude that high productivity trees (I-II bonitet) in our forests constitutes the minority (14,9 percent). Middle productivity trees (III bonitet) comprise 42,3 percent and low productivity trees (IV-V bonitet) make up 42,8 percent. These indicators are the evidence of unsustainable approach of forestry measures relating to forest protection and the enhancement of their productivity for the past years.

In our forests there 150 species of wild fruit plants relating to 35 taxa. These plants produce thousand tons of wild fruits (walnut, apple, pear, zagal, sour plum, azgil, persimmon, chestnut, hazelnut, blackberries). 30 percent of these fruits are of consumption significance.

There also favorable conditions for the development of bee farming in our forests. At present there about 700 bee families that are bred in our forestry units. Bees help with the pollination of plants, provide good harvest of seeds and the extraction of honey.

There are also specific natural features of forests with regard to the altitude of their location. Thus, on slopes stretching towards north oak-hornbeam forests prevail. There are low productive oak, garaaghaj, demirgara forests at a low mountain altitude, relatively higher productive oak-hornbeam forests at a middle mountain altitude, and high productive oak-pistachio-hornbeam forests at a high mountain altitude. In the place where forest upper border adjoins the sub-alpine altitude low productive birch forests and short pistachio forests having curved stems are found.

1 Forest extent, characteristics and changes

1a Extent of forest and other wooded land

National data

Data sources

2001	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2002	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2003	References	Лесной кадастр
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2007	References	Лесной кадастр
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	Additional comments	

2008	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	Результаты лесного кадастра 2008 года

2009	References	Отчет государственного статистического комитета; Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2010	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2011	References	Лесной кадастр
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2012	References	Лесной кадастр
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2013	References	Лесной кадастр
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2015	References	Лесной кадастр
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2016	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2017	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2018	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

Classifications and definitions

2001	National class	Definition
	Покрытые лесом земли	

2002	National class	Definition
	Покрытые лесом земли	

2003	National class	Definition
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	Покрытые лесом земли	
2017	National class	Definition
	Покрытые лесом земли	
2018	National class	Definition
	Покрытые лесом земли	

Original data and reclassification

2001	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	81.69 %	2.60 %	15.71 %
	Total	1 213.70	991.47	31.56	190.67
2002	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	82.04 %	2.60 %	15.36 %
	Total	1 213.70	995.72	31.56	186.42
2003	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	82.36 %	2.70 %	14.94 %
	Total	1 213.70	999.60	32.77	181.33
2004	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land

	Покрытые лесом земли	1 213.70	82.68 %	2.70 %	14.62 %
	Total	1 213.70	1 003.49	32.77	177.44

2005	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	82.99 %	2.69 %	14.32 %
	Total	1 213.70	1 007.25	32.65	173.80

2006	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	83.40 %	2.69 %	13.91 %
	Total	1 213.70	1 012.23	32.65	168.83

2007	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	83.70 %	2.68 %	13.62 %
	Total	1 213.70	1 015.87	32.53	165.31

2008	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	84.09 %	2.60 %	13.31 %
	Total	1 213.70	1 020.60	31.56	161.54

2009	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	84.50 %	2.60 %	12.90 %
	Total	1 213.70	1 025.58	31.56	156.57

2010	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	85.07 %	2.60 %	12.33 %
	Total	1 213.70	1 032.49	31.56	149.65

2011	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	85.70 %	2.60 %	11.70 %
	Total	1 213.70	1 040.14	31.56	142.00

2012	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	86.70 %	2.55 %	10.75 %
	Total	1 213.70	1 052.28	30.95	130.47

2013	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	87.01 %	2.50 %	10.49 %
	Total	1 213.70	1 056.04	30.34	127.32

2014	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	88.01 %	2.45 %	9.54 %
	Total	1 213.70	1 068.18	29.74	115.79

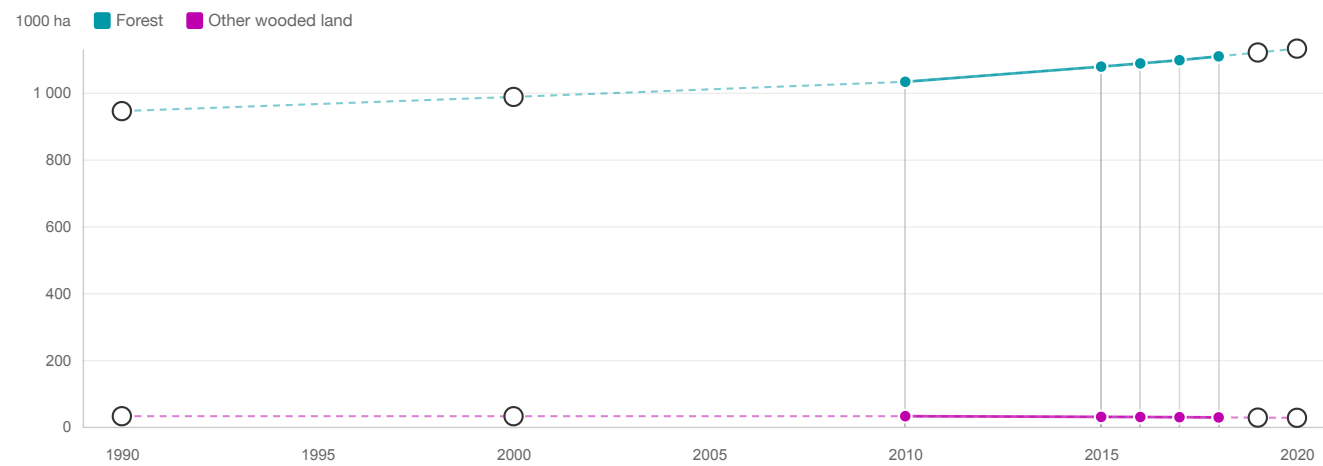
2015	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	88.81 %	2.43 %	8.76 %

	Total	1 213.70	1 077.89	29.49	106.32
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2016	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	89.60 %	2.40 %	8.00 %
	Total	1 213.70	1 087.48	29.13	97.10

2017	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	90.40 %	2.35 %	7.25 %
	Total	1 213.70	1 097.18	28.52	87.99

2018	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Forest	Other wooded land	Other land
	Покрытые лесом земли	1 213.70	91.35 %	2.30 %	6.35 %
	Total	1 213.70	1 108.71	27.92	77.07



FRA categories	Area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Forest (a)	944.74	987.22	1 032.49	1 077.89	1 087.48	1 097.18	1 108.71	1 120.24	1 131.77
Other wooded land (a)	31.56	31.56	31.56	29.49	29.13	28.52	27.92	27.32	26.72
Other land (c-a-b)	7 289.70	7 247.22	7 201.95	7 158.62	7 149.40	7 140.29	7 129.37	7 118.44	7 107.51
Total land area (c)	8 266.00	8 266.00	8 266.00	8 266.00	8 266.00	8 266.00	8 266.00	8 266.00	8 266.00

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	71.00	
Sub-tropical	29.00	
Tropical	0.00	

Comments

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1b Forest characteristics

National data

Data sources

2001	References	Лесной кадастр
	Methods used	Registers/questionnaires
	Additional comments	

2002	References	Лесной кадастр
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2017	National class	Definition
	Покрытые лесом земли	
2018	National class	Definition
	Покрытые лесом земли	

Original data and reclassification

2001	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	991.47	69.00 %	1.00 %	30.00 %
	Total	991.47	684.12	9.91	297.44

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	9.91	0.50 %
Total	9.91	0.05

2002	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	995.72	69.00 %	1.00 %	30.00 %
	Total	995.72	687.05	9.96	298.72

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	9.96	1.00 %
Total	9.96	0.10

2003	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	999.60	%	%	%
	Total	999.60	—	—	—

2004	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 003.49	%	%	%
	Total	1 003.49	—	—	—

2005	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 007.25	%	%	%
	Total	1 007.25	—	—	—

2006	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 012.23	%	%	%
	Total	1 012.23	—	—	—

2007	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 015.87	%	%	%
	Total	1 015.87	—	—	—

2008	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 020.60	71.00 %	1.00 %	28.00 %

	Total	1 020.60	724.63	10.21	285.77
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Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	10.21	0.50 %
Total	10.21	0.05

2009	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 025.58	70.00 %	1.00 %	29.00 %
	Total	1 025.58	717.90	10.26	297.42

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	10.26	0.50 %
Total	10.26	0.05

2010	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 032.49	72.00 %	1.00 %	27.00 %
	Total	1 032.49	743.40	10.32	278.77

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	10.32	0.50 %
Total	10.32	0.05

2011	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 040.14	%	%	%
	Total	1 040.14	—	—	—

2012	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 052.28	%	%	%
	Total	1 052.28	—	—	—

2013	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 056.04	%	%	%
	Total	1 056.04	—	—	—

2014	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 068.18	%	%	%
	Total	1 068.18	—	—	—

2015	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 077.89	70.00 %	2.00 %	28.00 %
	Total	1 077.89	754.52	21.56	301.81

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	21.56	1.00 %
Total	21.56	0.22

2016	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 087.48	73.00 %	1.00 %	26.00 %
	Total	1 087.48	793.86	10.87	282.74

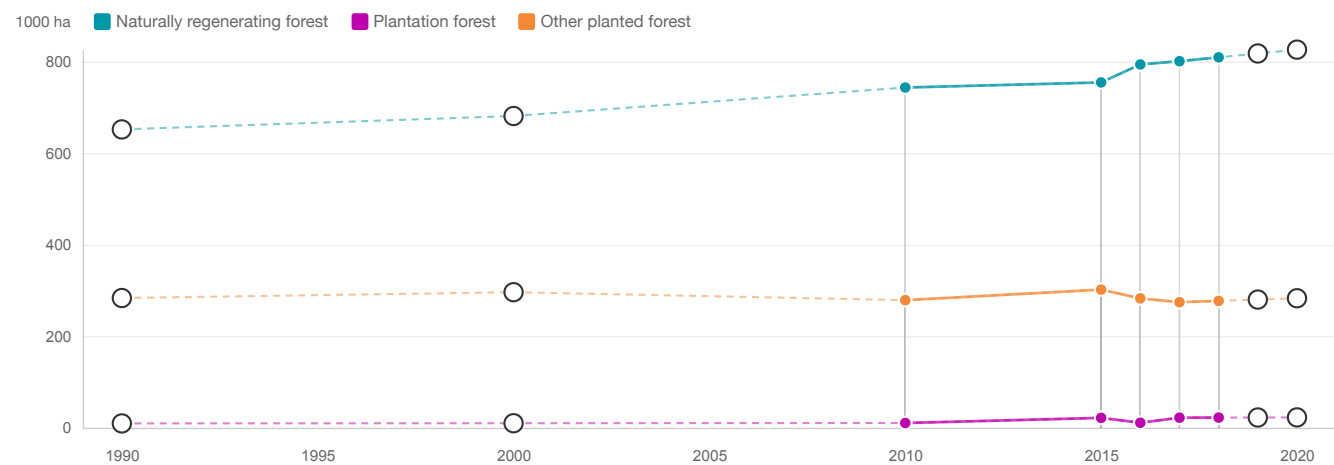
Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	10.87	0.50 %
Total	10.87	0.05

2017	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 097.18	73.00 %	2.00 %	25.00 %
	Total	1 097.18	800.94	21.94	274.30

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	21.94	1.00 %
Total	21.94	0.22

2018	Classifications and definitions		FRA classes		
	Class	Area (1000 ha)	Naturally regenerating forest	Plantation forest	Other planted forest
	Покрытые лесом земли	1 108.71	73.00 %	2.00 %	25.00 %
	Total	1 108.71	809.36	22.17	277.18

Plantation forest	Area (1000 ha)	...of which introduced
Покрытые лесом земли	22.17	1.00 %
Total	22.17	0.22



FRA categories	Forest area (1000 ha)								
	1990	2000	2010	2015	2016	2017	2018	2019	2020
Naturally regenerating forest (a)	651.87	681.18	743.40	754.52	793.86	800.94	809.36	817.78	826.20
Planted forest (b)	292.87	306.04	289.10	323.37	293.62	296.24	299.35	302.46	305.57
Plantation forest	9.45	9.87	10.32	21.56	10.87	21.94	22.17	22.40	22.63
...of which introduced species	0.00	0.05	0.05	0.22	0.05	0.22	0.22	0.22	0.22
Other planted forest	283.42	296.17	278.77	301.81	282.74	274.30	277.18	280.06	282.94
Total (a+b)	944.74	987.22	1 032.49	1 077.89	1 087.48	1 097.18	1 108.71	1 120.24	1 131.77
Total forest area	944.74	987.22	1 032.49	1 077.89	1 087.48	1 097.18	1 108.71	1 120.24	1 131.77

Comments

1c Primary forest and special forest categories

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)				
	1990	2000	2010	2015	2020
Primary forest					
Temporarily unstocked and/or recently regenerated					
Bamboos					
Mangroves					
Rubber wood					

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)	5.20	43.25	90.72	100.52
...of which afforestation	4.80	40.00	86.00	95.52
...of which natural expansion	0.40	3.25	4.72	5.00
Deforestation (b)			81.64	86.36
Forest area net change (a-b)	4.25	4.53	9.08	10.78

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

-

FRA categories	Area (1000 ha/year)			
	1990-2000	2000-2010	2010-2015	2015-2020
Reforestation	2.00	91.00	51.30	60.00

Comments

1f Other land with tree cover

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)				
	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	7 289.70	7 247.22	7 201.95	7 158.62	7 107.51

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	172.00	172.00	172.00	172.00	172.00	172.00	172.00	172.00	172.00
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	162.50	169.80	177.59	185.40	187.05	188.72	190.70	192.68	194.66
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

-

Reclassification into FRA 2020 categories

-

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

-

National classification and definitions

-

Original data

-

Analysis and processing of national data

Estimation and forecasting

-

Reclassification into FRA 2020 categories

-

Primary designated management objective

FRA 2020 categories	Forest area (1000 ha)				
	1990	2000	2010	2015	2020
Production (a)					
Protection of soil and water (b)					
Conservation of biodiversity (c)					
Social Services (d)					
Multiple use (e)					
Other (specify in comments) (f)					
None/unknown (g)	944.74	987.22	1 032.49	1 077.89	1 131.77
Total forest area	944.74	987.22	1 032.49	1 077.89	1 131.77

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

-

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	2016	2017	2018	2019	2020
Forest area within protected areas	70.00	371.00	371.00	371.00	371.00	371.00	371.00	371.00	371.00
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

-

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)	0.00	0.00	0.00	0.00
...of which owned by individuals	0.00	0.00	0.00	0.00
...of which owned by private business entities and institutions	0.00	0.00	0.00	0.00
...of which owned by local, tribal and indigenous communities	0.00	0.00	0.00	0.00
Public ownership (b)	944.74	987.22	1 032.49	1 077.89
Unknown/other (specify in comments) (c)	0.00	0.00	0.00	-0.00
Total forest area	944.74	987.22	1 032.49	1 077.89

Comments

4b Holder of management rights of public forests

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 area (1000 ha)			
	1990	2000	2010	2015
Public Administration (a)	944.74	987.22	1 032.49	1 077.89
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	944.74	987.22	1 032.49	1 077.89

Comments

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)						2.60	3.00	0.01	0.01	0.01	0.40	1.40	2.10	0.60	0.80	1.00	0.70	0.60
Diseases (b)																		
Severe weather events (c)																		
Other (specify in comments) (d)																		
Total (a+b+c+d)	–	–	–	–	–	2.60	3.00	0.01	0.01	0.01	0.40	1.40	2.10	0.60	0.80	1.00	0.70	0.60
Total forest area	987.22	991.47	995.72	999.60	1 003.49	1 007.25	1 012.23	1 015.87	1 020.60	1 025.58	1 032.49	1 040.14	1 052.28	1 056.04	1 068.18	1 077.89	1 087.48	1 097.18

Comments

5b Area affected by fire

National Data

Data sources + type of data source eg NFI, etc

stat.gov.az

National classification and definitions

N/A

Original data

stat.gov.az

Analysis and processing of national data

Estimation and forecasting

N/A

Reclassification into FRA 2020 categories

N/A

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	0.39	0.02	0.05	0.00	0.08	0.02	0.01	0.09	0.02	0.03	0.50	0.01	0.01	0.00	0.06	0.01	0.01	0.40
...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

N/A

National classification and definitions

N/A

Original data

N/A

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

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

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

-

	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	
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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	11.94	12.49	13.04	13.16	13.27	13.41	13.55	13.69

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	0.45	0.86	0.88	0.88	1.04	1.03	1.02

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	
----------------------------	--

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	34.42	34.42	34.42	34.42	34.42	34.42	34.42	34.42

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	
----------------------------	--

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	–	–