

GLOBAL FOREST RESOURCES ASSESSMENT 2015

COUNTRY REPORT

**Uzbekistan**

Rome, 2014

FAO, at the request of its member countries, regularly monitors the world's forests and their management and uses through the Global Forest Resources Assessment (FRA). This country report is prepared as a contribution to the FAO publication, the Global Forest Resources Assessment 2015 (FRA 2015).

The content and the structure are in accordance with the recommendations and guidelines given by FAO in the document Guide for country reporting for FRA 2015 (<http://www.fao.org/3/a-au190e.pdf>). These reports were submitted to FAO as official government documents.

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## Introductory Text

Place an introductory text on the content of this report

The territory of the Republic of Uzbekistan covers an area of 44,410.3 thousand hectares, where over 30 million people are living. Uzbekistan is most populated country in the Central Asian region. Up to 80% of the total lands are occupied by steps and deserts. The territory of the Republic of Uzbekistan covers an area of 44,410.3 thousand hectares, where over 30 million people are living. Uzbekistan is most populated country in the Central Asian region. Up to 80% of the total lands are occupied by steps and deserts.

The Republic of Uzbekistan is a forest-poor country. The state forest stock is 21,7% of the total area of Uzbekistan, which is 9,6 mln. ha. From this, covered with forest consists of 3.3 mln. ha which 7,5% of the total area of the country. 86% forests of Uzbekistan situated in the desert zone. (According the National report on Land resources of Uzbekistan) Uzbek forests are of the greatest importance and contribute to the development of Uzbekistan. A particular importance of forests includes combating desertification and natural disasters prevention (e.g. mudflows, floods, droughts, etc.), and also improving the environmental situation. Uzbekistan's transition to market economy substantively impacted on the Uzbek forestry sector. However, its legislation, human resources and financial policies do not adequately address to the present challenges that results in reduced efficiency of forestry's contribution into the national economy and peoples' welfare.

The Main Administration on Forestry (MAF) #was established in 2000 on the basis of the former State Committee for Forestry. Currently MAF is a subdivision of the Ministry of Agriculture and Water Resources. It coordinates activities implemented by 79 forestry enterprises, 6 specialized forest enterprises, 9 forest experimental stations, 8 natural reserves, 5 hunting enterprises, 2 national park and 1 Biosphere Reserve. Moreover, MAF supervises the Republican Scientific and Production Center of Landscape-Gardening and Forestry, Department of Reserves, National Parks and Hunting Enterprises, Survey and Production Center for Non wood Forest Products (Shifobakhsh"), Republican Production Forest Seeds Center, Republican Training and Production Center on Upgrading Skills, design and exploration forest regulation state-running enterprise "Uzgirolesproject".

## Desk Study?

**Check "yes" if this survey is a Desk Study, "no" otherwise**

Desk Study?

no

# 1. What is the area of forest and other wooded land and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

## 1.1 Categories and definitions

Category	Definition
Forest	Land spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of more than 10 percent or trees able to reach these thresholds in situ. It does not include land that is predominantly under agricultural or urban land use.
Other wooded land	Land not classified as "Forest" spanning more than 0.5 hectares with trees higher than 5 meters and a canopy cover of 5-10 percent or trees able to reach these thresholds ; or with a combined cover of shrubs bushes and trees above 10 percent. It does not include land that is predominantly under agricultural or urban land use.
Other land	All land that is not classified as "Forest" or "Other wooded land".
...of which with tree cover ( <i>sub-category</i> )	Land considered as "Other land", that is predominantly agricultural or urban lands use and has patches of tree cover that span more than 0.5 hectares with a canopy cover of more than 10 percent of trees able to reach a height of 5 meters at maturity. It includes bothe forest and non-forest tree species.
Inland water bodies	Inland water bodies generally include major rivers, lakes and water reservoirs.
Forest expansion	Expansion of forest on land that, until then, was not defined as forest.
...of which afforestation ( <i>sub-category</i> )	Establishment of forest through planting and/or deliberate seeding on land that, until then, was not defined as forest.
...of which natural expansion of forest ( <i>sub-category</i> )	Expansion of forests through natural succession on land that, until then, was under another land use (e.g. forest succession on land previously used for agriculture).
Deforestation	The conversion of forest to other land use or the longterm reduction of the tree canopy cover below the minimum 10 percent threshold.
...of which human induced ( <i>sub-category</i> )	Human induced conversion of forest to other land use or the permanent reduction of the tree canopy cover below the minimum 10 percent threshold.
Reforestation	Natural regeneration or re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.
...of which artificial reforestation ( <i>sub-category</i> )	Re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.

## 1.2 National data

### 1.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Land Fund of the Republic of Uzbekistan (Uzbekiston Respublikasining Er Fondi)	Total land area, total area of state forest resources	1990, 2000, 2005, 2008	N/A

2	Distribution of the State Forest Resources as to Land Categories	Forest land, non-forest land	1990, 2000, 2005, 2008	N/A
3	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Land covered by forests, free-growing forest lands, forest plantations and nurseries	1990, 2000, 2005, 2008	N/A
4	FAOSTAT	Total land area	N/A	N/A

### 1.2.2 Classification and definitions

National class	Definition
Covered by forest	Forests with closed crowns, where the need of care of soil is not required, the height of trees and annual growth of the last year corresponds to criteria of the Table of Quality Estimation for the main species, regular arrangement of the main species; young forests
• including forest plantations	Forest stands and plantations planted for protective and industrial purposes, and for forest restoration
Sparse forest stands	Single trees and trees combined with bushes, not corresponding to standards, crowns without required density and closing of crowns, insufficient annual growth and non-regular arrangement of the main species
Forest nurseries	Land assigned for growing of plantings in the special places, not in the forests. Seedlings and graftings are grown on these lands until they are not replanted to forests, usually during one-three years depending on species.
Uncovered by forest	Sites of: forest fires, glades, clearings, waste lands uncovered by trees and bushes
N/A	Non-forested land
Other land	Land assigned for agricultural area, hay fields, pastures, arable land, farms, wetlands, glaciers etc.
Gardens and vineyards	Gardens and vineyards
Water reservoirs	Main rivers, lakes and water reservoirs
Afforestation	Establishment of forest through planting and/or deliberate seeding on land that, until then, was not classified as forest.
Reforestation	Re-establishment of forest through planting and/or deliberate seeding on land classified as forest.
Natural expansion of forest	Expansion of forests through natural succession on land that, until then, was under another land use (e.g. forest succession on land previously used for agriculture).

## 1.2.3 Original data

<b>Forest area</b>				
<b>National Class</b>	<b>Area (1000 hectares)</b>			
	<b>1990</b>	<b>2000</b>	<b>2005</b>	<b>2008</b>
Forested land				
Covered by forest	1895.3	3210.9	3294.0	3244.1
• including forest plantations	222.4	413.3	533.8	608.4
Sparse forest stands	1306.1	1594.7	904.1	824.3
Forest nurseries	0.7	0.9	1.0	0.7
Uncovered by forest	1781.6	2158.6	993.7	249.6
Non-forested land				
Other land	37180.3	33933.3	35715.9	39747.6
Gardens and vineyards	308.2	361.4	348.1	344.0
<b>TOTAL</b>	42472.2	41259.8	41256.8	<b>44410.3*</b>

\* Official land area of the Republic of Uzbekistan indicated as 44410.3 thousand hectares in the National Report on Land Resources of the Republic of Uzbekistan.

**Forest expansion, deforestation, reforestation**



National class	Area (1000 hectares)			
	1990	2000	2005	2008
Afforestation	15	19	22	15.5
....of which dried area of Aral	10	17.7	20.5	15
Reforestation	12	15.5	12	13.3
Natural expansion of forest	3	6.5	8	13.4
<b>Total</b>	30	41	42	42.2
Annual forest establishment of which of introduced species (hectares/ years)	-	-	-	-

### 1.3 Analysis and processing of national data

#### 1.3.1 Adjustment

Forest area
Official land area of the Republic of Uzbekistan indicated as 44410.3 thousand hectares in the National Report on Land Resources of the Republic of Uzbekistan. Official area of Water fund land is 815.8 thousand hectares. As the both values differ from the data available at FAOSTAT, area of other land was adjusted accordingly in order to make national data consistent.

#### 1.3.2 Estimation and forecasting

Forest area								
The national classes “Forest nurseries”, “Covered by forest” with sub-category “Including plantations” for the year 2000 and 2005 is used to extrapolate the 1990 figure.								
<table border="1"> <thead> <tr> <th>National class</th> <th>Area,(1990)</th> <th>Area, (2000)</th> <th>Area, (2005)</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	National class	Area,(1990)	Area, (2000)	Area, (2005)				
National class	Area,(1990)	Area, (2000)	Area, (2005)					



Forested land	1000 Ha		
Covered by forest	3045	3210.9	3294.0
• including forest plantations	172.3	413.3	533.8
Forest nurseries	0.7	0.9	1.0

### 1.3.3 Reclassification

National Class	Area (1000 hectares)			
	Forests	Other wooded land	Other land with tree cover	Inland Water
Percentage	%	%	%	%
Covered by forest, including forest plantations	100 %			
Sparse forest stands		100%		
Forest nurseries	100%			
Uncovered by forest			100%	
Other land			100%	
Gardens and vineyards			100%	

## 1.4 Data

Table 1a

Categories		Area (000 hectares)				
		1990	2000	2005	2010	2015
	Forest	3045	3212	3295	3275.5	3219.9
	Other wooded land	1306.1	1594.7	904	874	115.4











	Other land	38188.9	37733.3	38341	38390.5	40730.2
	... of which with tree cover	308.2	361.4	348.1	344	358.4
	Inland water bodies	2200	2200	2200	2200	831.4
	TOTAL	44740.00	44740.00	44740.00	44740.00	44896.90

Table 1b

Categories		Annual forest establishment / loss (000 hectares per year)				...of which of introduced species (000 hectares per year)			
		1990	2000	2005	2010	1990	2000	2005	2010
	Forest expansion	18	41	42	42	N/A	N/A	N/A	N/A
	... of which afforestation	15	19	22	22	N/A	N/A	N/A	N/A
	... of which natural expansion of forest	3	6.5	8	8	N/A	N/A	N/A	N/A
	Deforestation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	... of which human induced	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Reforestation	12	15.5	12	12	N/A	N/A	N/A	N/A
	... of which artificial	12	15.5	12	12	N/A	N/A	N/A	N/A

## Tiers

Category	Tier for status	Tier for reported trend
Forest	Tier 2	Tier 2
Other wooded land	Tier 2	Tier 2
Forest expansion	Tier 3	Tier 3
Deforestation	Tier 2	Tier 2
Reforestation	Tier 3	Tier 3

## Tier criteria

Category	Tier for status	Tier for reported trend
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<ul style="list-style-type: none"> <li>• Forest</li> <li>• Other wooded land</li> <li>• Afforestation</li> <li>• Reforestation</li> <li>• Natural expansion of forest</li> <li>• Deforestation</li> </ul>	<p><b>Tier 3</b> : Data sources: Either recent (less than 10 years ago) National Forest Inventory or remote sensing, with ground truthing, or programme for repeated compatible NFIs <b>Tier 2</b> : Data sources: Full cover mapping / remote sensing or old NFI (more than 10 years ago) <b>Tier 1</b> : Other</p>	<p><b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other</p>
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### 1.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trends
Forest	<p>There are large inconsistencies in the national classification of original data for the period 1990-2008. The main discrepancy is found in the classification of national classes "Covered by forest", "Sparse forest stands" and "Uncovered by forest". It is evident that the classification of "Sparse forest stands" and "Uncovered by forest" in 1990 are including large areas that are classified as "Covered by forest" in 2008. In order to generate a consistent time series for FRA 2010 reporting the most recent (2008) classification has been applied. It is assumed that the areas of "Forest nurseries", "Covered by forest" and the sub-category "Including plantations" for the year 2000 are consistent with 2008. However, due to insurmountable differences in the other categories it is not possible to create consistent time-series.</p>	<p>There was a severe drought during 2005-2008. For this reason, it caused the decrease of forests in the country.</p>
Other wooded land	N/A	N/A
Other land	<p>For calibration the FAOSTAT data were used. The calibration was applied only to the "Other land" category, because the area of the country is changed as a result of returning of the lands rented from other countries.</p>	N/A
Other land with tree cover	N/A	N/A
Inland water bodies	<p>Official area of Water fund land is 815.8 thousand hectares and significantly differs from the values available in FAOSTAT database - 2200 thousand ha.</p>	N/A
Forest expansion	N/A	N/A
Deforestation	N/A	N/A
Reforestation	N/A	N/A

**Other general comments to the table**

Official land area of the Republic of Uzbekistan indicated as 44410.3 thousand hectares in the National Report on Land Resources of the Republic of Uzbekistan (01.01.2013). Currently, Main Department of Forestry developed TCP project proposal with FAO to carry out forest inventory. Nowadays, Main Department of Forestry is searching for additional funding sources to carry out this activity.

## 2. What is the area of natural and planted forest and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 2.1 Categories and definitions

Term	Definition
Naturally regenerated forest	Forest predominantly composed of trees established through natural regeneration.
Naturalized introduced species	Other naturally regenerated forest where the tree species are predominantly non-native and do not need human help to reproduce/maintain populations over time.
Introduced species	A species, subspecies or lower taxon occurring <b>outside</b> its natural range (past or present) and dispersal potential (i.e. outside the range it occupies naturally or could occupy without direct or indirect introduction or care by humans).
Category	Definition
Primary forest	Naturally regenerated forest of native species where there are no clearly visible indications of human activities and the ecological processes are not significantly disturbed.
Other naturally regenerated forest	Naturally regenerated forest where there are clearly visible indications of human activities.
...of which of introduced species ( <i>sub-category</i> )	Other naturally regenerated forest where the trees are predominantly of introduced species.
...of which naturalized ( <i>sub-sub category</i> )	Other naturally regenerated forest where the trees are predominantly of naturalized introduced species.
Planted forest	Forest predominantly composed of trees established through planting and/or deliberate seeding.
...of which of introduced species ( <i>sub-category</i> )	Planted forest where the planted/seeded trees are predominantly of introduced species.
Mangroves	Area of forest and other wooded land with mangrove vegetation.
...of which planted ( <i>sub-category</i> )	Mangroves predominantly composed of trees established through planting.

### 2.2 National data

#### 2.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Forest types	1990, 2000, 2005, 2008	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A

4	N/A	N/A	N/A	N/A
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### 2.2.2 Classification and definitions

National class	Definition
Forest plantations	Forests made by people for forests restoration
Production plantations	Forest stands and plantations used for industrial purposes
Shelterbelts	Protective forest belt planted to protect field crops and “green belts” around cities, villages, railroads, roads and hydro technical constructions (water reservoirs).
Reserves	Territory assigned for biodiversity conservation where any human activity is completely prohibited
Other area covered by forest	Other forests excluding forest and production plantations, reserves and shelterbelts

### 2.2.3 Original data

National class	Area (1000 hectares)			
	1990	2000	2005	2008
<b>Covered by forest</b>	<b>1895.3</b>	<b>3210.9</b>	<b>3294.0</b>	<b>3244.1</b>
... of which Forest plantations	222.4	413.3	533.8	552.9
... of which Production plantations	3.1	4.8	5.1	5.3
... of which Shelterbelts	21.1	45.7	55.5	55.5
... of which Reserves	56.7	56.7	56.7	71.8
... of which Other area covered by forest	1592.0	2690.4	2642.9	2558.6

### 2.3 Analysis and processing of national data

## 2.3.1 Adjustment

NA
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## 2.3.2 Estimation and forecasting

National class	Area (1000 hectares)				
	1990	2000	2005	2008	2010
<b>Covered by forest</b>	<b>3044.7</b>	<b>3210.9</b>	<b>3294.0</b>	<b>3244.1</b>	<b>3276</b>
... of which Forest plantations	172.3	413.3	533.8	552.9	579.5
... of which Production plantations	4.2	4.8	5.1	5.3	5.5
... of which Shelterbelts	26.1	45.7	55.5	50.2	51
... of which Reserves	56.7	56.7	56.7	71.8	72
... of which Other area covered by forest	2785.4	2690.4	2642.9	2563.9	2568

## 2.3.3 Reclassification

National classes	Percentage of a National class belonging to a FRA Class		
	Primary	Other naturally regenerated	Planted forest
Forest plantations			100%



Production plantations			100%
Shelterbelts			100%
Reserves	100%		
Other area covered by forest		100%	

## 2.4 Data

Table 2a







Categories		Forest area (000 hectares)				
		1990	2000	2005	2010	2015
	Primary forest	57	57	57	72	73
	Other naturally regenerated forest	2785	2691	2644	2568.5	2345.4
	... of which of introduced species	N/A	N/A	N/A	N/A	N/A
	... of which naturalized	N/A	N/A	N/A	N/A	N/A
	Planted forest	203	464	594	635	801.5
	... of which of introduced species	N/A	N/A	N/A	N/A	N/A
TOTAL		3045.00	3212.00	3295.00	3275.50	3219.90

Table 2b

Primary forest converted to (000 ha)								
1990-2000			2000-2010			2010-2015		
Other natural regeneration	Planted	Other land	Other natural regeneration	Planted	Other land	Other natural regeneration	Planted	Other land
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2c

Categories	Area (000 hectares)				
	1990	2000	2005	2010	2015

Mangroves (forest and OWL)	0	0	0	0	0
... of which planted	N/A	N/A	N/A	N/A	N/A

## Tiers

Category	Tier for status	Tier for reported trend
Primary forest	Tier 2	Tier 2
Other naturally regenerated forest	Tier 2	Tier 2
Planted forest	Tier 2	Tier 2
Mangroves	Tier 1	Tier 1

## Tier Criteria

Category	Tier for status	Tier for reported trend
Primary forest/Other naturally regenerated forest/Planted forest	<p><b>Tier 3</b> : Data sources: Recent (less than 10 years) National Forest Inventory or remote sensing with ground truthing or data provided by official agencies or programme for repeated compatible NFIs</p> <p><b>Tier 2</b> : Data sources: Full cover mapping/ remote sensing or old NFI (more than 10 years) <b>Tier 1</b> : Other</p>	<p><b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other</p>

## 2.5 Comments

Category	Comments related to data definitions etc	Comments on reported trend
Primary forest	The area of protected areas has been increased	The area of protected areas has been increased
Other naturally regenerating forest	N/A	N/A
Planted forest	N/A	N/A
Mangroves	N/A	N/A

## Other general comments to the table

Together with cadastre agencies the data of forestry organizations clarified and with this regard there are some differences between 2005 and 2010 on "other naturally regenerated forests"

### 3. What are the stocks and growth rates of the forests and how have they changed?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

#### 3.1 Categories and definitions

Category	Definition
Growing stock	Volume over bark of all living trees with a minimum diameter of 10 cm at breast height (or above buttress if these are higher). Includes the stem from ground level up to a top diameter of 0 cm, excluding branches.
Net Annual Increment (NAI)	Average annual volume of gross increment over the given reference period less that of natural losses on all trees, measured to minimum diameters as defined for "Growing stock".
Above-ground biomass	All living biomass above the soil including stem stump branches bark seeds and foliage.
Below-ground biomass	All biomass of live roots. Fine roots of less than 2 mm diameter are excluded because these often cannot be distinguished empirically from soil organic matter or litter.
Dead wood	All non-living woody biomass not contained in the litter either standing lying on the ground or in the soil. Dead wood includes wood lying on the surface dead roots and stumps larger than or equal to 10 cm in diameter or any other diameter used by the country.
Carbon in above-ground biomass	Carbon in all living biomass above the soil including stem stump branches bark seeds and foliage.
Carbon in below-ground biomass	Carbon in all biomass of live roots. Fine roots of less than 2 mm diameter are excluded because these often cannot be distinguished empirically from soil organic matter or litter.
Carbon in dead wood	Carbon in all non-living woody biomass not contained in the litter, either standing, lying on the ground, or in the soil. Dead wood includes wood lying on the surface, dead roots and stumps larger than or equal to 10 cm in diameter or any other diameter used by the country.
Carbon in litter	Carbon in all non-living biomass with a diameter less than the minimum diameter for dead wood (e.g. 10 cm ) lying dead in various states of decomposition above the mineral or organic soil.
Soil carbon	Organic carbon in mineral and organic soils (including peat) to a soil depth of 30 cm.

#### 3.2 National data

##### 3.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Annual report of the Main Forestry Department under the Ministry of Agriculture and Water Resources of the RU	Growing stock	1990, 2000, 2005, 2008	N/A
2	IPCC Good Practice Guidance for LULUCF	Biomass expansion factors, belowground and aboveground biomass ratio, Carbon ratio	N/A	N/A
3	N/A	N/A	N/A	N/A

4	N/A	N/A	N/A	N/A
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## 3.2.2 Classification and definitions

National class	Definition
NA	N/A
N/A	N/A
N/A	N/A
N/A	N/A

## 3.2.3 Original data

<b>Growing stock</b>				
National classes	Volume (million cubic meters over bark)			
	Forestand other wooded land			
	1990	2000	2005	2008
Growing stock	10.36	18.53	23.05	25.3
Commercial growing stock	0.033	0.034	0.034	0.030

**Biomass stock**

Global Ecologic Zones of Uzbekistan

TeBWk      Temperate dessert

TeM         Temperate mountain

**2005**

Species	Forest area , 1000 ha	Growing stock M m <sup>3</sup>	GS m <sup>3</sup> / ha	BCEF	Root-shoot ratio	AGB	BGB
Haloxylon	2268	13.05	5.7	0.8	0.46	10.44	4.80
Juniperus	153	6.14	40.1	1.4	0.40	8.60	3.44
Populus diversifolia	23.5	1.05	44.7	2.05	0.46	2.15	0.99
Other Populus	3.8	0.26	68.4	1.4	0.46	0.36	0.17
Ulmus	2.7	0.10	37	1.7	0.46	0.17	0.08
Acer	1.2	0.08	66.7	1.4	0.46	0.11	0.05
Robinia pseudoacacia	0.8	0.03	37.5	1.7	0.46	0.05	0.02
Salix	2.5	0.15	60	1.4	0.46	0.21	0.10
Fraxinus excelsior	0.5	0.02	40	1.7	0.46	0.03	0.01
Remainder of species	839	2.17	2.59	1.7	0.46	3.69	1.70
<b>TOTAL</b>	3295	23.05				25.81	11.36

### Carbon stock

Data imported from data on biomass:

National classes	Biomass (million metric tonnes oven-dry weight)							
	Forest				Other wooded land			
	1990	2000	2005	2008	1990	2000	2005	2010
Above-ground biomass	11.60	20.75	25.81	28.56	NDA	NDA	NDA	NDA
Below-ground biomass	5.08	9.08	11.36	12.49	NDA	NDA	NDA	NDA

Dead wood	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA
<b>TOTAL</b>	NDA	NDA	NDA	NDA	NDA	NDA	NDA	NDA

### 3.3 Analysis and processing of national data

#### 3.3.1 Adjustment

<b>Biomass stock</b>				
Calculation of general conversion factors between biomass and growing stock				
AGB / GS o.b.	1.12			
BGB / GS o.b	0.49			
DWB / GS o.b.	NDA			
<b>Carbon stock</b>				
Multiplying biomass stock by 0.47 gives				
National classes	Carbon stock (million tonnes)			
	1990	2000	2005	2008
Above-ground biomass	5.45	9.75	12.13	13.42
Below-ground biomass	2.39	4.27	5.34	5.87
Dead wood biomass	NDA	NDA	NDA	NDA

## 3.3.2 Estimation and forecasting

<b>Growing stock</b>				
<b>National classes</b>	<b>Volume (million cubic meters over bark)</b>			
	<b>Forestand other wooded land</b>			
	<b>1990</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>
Growing stock	10.36	18.53	23.05	25.5
Commercial growing stock	0.033	0.034	0.034	0,030

## 3.3.3 Reclassification

<b>Growing stock</b>
No reclassification was needed.

## 3.4 Data

Table 3a




<b>Category</b>		<b>Growing stock volume (million m<sup>3</sup> over bark)</b>									
		<b>Forest</b>					<b>Other wooded land</b>				
		<b>1990</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>	<b>1990</b>	<b>2000</b>	<b>2005</b>	<b>2010</b>	<b>2015</b>
	Total growing stock	10.36	18.53	23.05	25.5	55.1	N/A	N/A	N/A	N/A	5.2
	... of which coniferous	4.2	5.88	6.14	6.79	14.9	N/A	N/A	N/A	N/A	N/A
	... of which broadleaved	6.16	12.65	16.91	18.71	40.2	N/A	N/A	N/A	N/A	5.2

Table 3b

<b>Category/Species name</b>	<b>Growing stock in forest (million cubic meters)</b>
------------------------------	---

Rank	Scientific name	Common name	1990	2000	2005	2010
1 st	Haloxylon spp.	Saxaul	3.8	9.61	13.05	15.05
2 nd	Juniperus spp.	Archa	4.2	5.88	6.14	6.21
3 rd	Populus diversifolia	Terak	0.7	0.91	1.05	1.15
4 th	Populus alba, P.pyramidalis, P. nigra, P. bolleana, P.bachofenii, P. Uzbekistanica and others, and their hybrids	Mirzaterak, kukterak, oq terak, baqa terak	0.085	0.15	0.26	0.35
5 th	Ulmus laevis Pall	Qayragoch	0.059	0.08	0.1	0.1
6 th	Acer campestre	Zarang	0.049	0.06	0.08	0.08
7 th	Robinia pseudoacacia	Oq akacia	0.053	0.04	0.03	0.03
8 th	Salix alba	Tol	0.051	0.1	0.15	0.2
9 th	Fraxinus excelsior	Shumtol	0.033	0.03	0.02	0.02
10 th	-	-	0	0	0	0
Remaining			1.33	1.67	2.17	2.31
TOTAL			10.36	18.53	23.05	25.50

**THE PRE-FILLED VALUES FOR GROWING STOCK REFER TO THE FOLLOWING THRESHOLD VALUES (SEE TABLE BELOW)**

Item	Value	Complementary information
Minimum diameter (cm) at breast height of trees included in growing stock (X)	12 cm	N/A
Minimum diameter (cm) at the top end of stem for calculation of growing stock (Y)	4 cm	N/A
Minimum diameter (cm) of branches included in growing stock (W)	3cm	N/A
Volume refers to above ground (AG) or above stump (AS)	AS	N/A

**PLEASE NOTE THAT THE DEFINITION OF GROWING STOCK HAS CHANGED AND SHOULD BE REPORTED AS GROWING STOCK DBH 10 CM INCLUDING THE STEM FROM GROUND LEVEL UP TO A DIAMETER OF 0 CM, EXCLUDING BRANCHES.**

Table 3c






Category		Net annual increment (m <sup>3</sup> per hectare and year)				
		Forest				
		1990	2000	2005	2010	2015
	Net annual increment	3.4	5.8	7	7.8	7.1
	... of which coniferous	1.3	1.7	1.6	1.6	2.5
	... of which broadleaved	2.1	4.1	5.4	6.2	14.6

Table 3d











Category		Biomass (million metric tonnes oven-dry weight)									
		Forest					Other wooded land				
		1990	2000	2005	2010	2015	1990	2000	2005	2010	2015
	Above ground biomass	11.6	20.75	25.81	28.56	61.71	N/A	N/A	N/A	N/A	5.82
	Below ground biomass	5.08	9.08	11.36	12.49	27	N/A	N/A	N/A	N/A	2.55
	Dead wood	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL		16.68	29.83	37.17	41.05	88.71	.00	.00	.00	.00	8.37

Table 3e

Category		Carbon (Million metric tonnes)									
		Forest					Other wooded land				
		1990	2000	2005	2010	2015	1990	2000	2005	2010	2015
	Carbon in above ground biomass	5.4	9.7	12.2	13.4	29	N/A	N/A	N/A	N/A	2.7
	Carbon in below ground biomass	2.4	4.3	5.3	5.9	12.7	N/A	N/A	N/A	N/A	1.2
	<i>Subtotal Living biomass</i>	7.8	14	17.5	19.3	41.7	N/A	N/A	N/A	N/A	3.9
	Carbon in dead wood	N/A	N/A	N/A	N/A	1.9	N/A	N/A	N/A	N/A	4.9

	Carbon in litter	N/A	N/A	N/A	N/A	4.9	N/A	N/A	N/A	N/A	4.9
	<i>Subtotal Dead wood and litter</i>	N/A	N/A	N/A	N/A	4.9	N/A	N/A	N/A	N/A	4.9
	Soil carbon	N/A	N/A	N/A	N/A	4.9	N/A	N/A	N/A	N/A	N/A
TOTAL		7.80	14.00	17.50	19.30	53.40	.00	.00	.00	.00	13.70

## Tiers

Variable/category	Tier for status	Tier for trend
Total growing stock	Tier 1	Tier 1
Net annual increment	Tier 2	Tier 1
Above ground biomass	Tier 1	Tier 1
Below ground biomass	Tier 1	Tier 1
Dead wood	Tier 1	Tier 1
Carbon in above-ground biomass	Tier 2	Tier 1
Carbon in below ground biomass	Tier 1	Tier 1
Carbon in dead wood and litter	Tier 1	Tier 1
Soil carbon	Tier 1	Tier 1

## Tier criteria

Category	Tier for status	Tier for reported trend
Total growing stock	Tier 3: Data sources Recent 10 years National Forest Inventory or remote sensing with ground truthing or programme for repeated compatible NFI 10 years Domestic volume functions Tier 2: Data sources/registers and statistics modelling or old NFI 10 years or partial field inventory Tier 1: Other data sources	Tier 3: Estimate based on repeated compatible tiers 3 (tier for status) Domestic growth functions Tier 2: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 tier for status Tier 1: Other
Net annual increment	Tier 3: Scientifically tested national volume and growth functions Tier 2: Selection of volume and growth functions as relevant as possible Tier 1: Other	Tier 3: Confirmation/adjustment of functions used through scientific work Tier 2: Review work done to seek alternative functions Tier: 1 Other

Biomass	Tier 3: Country-specific national or sub-national biomass conversion expansion factors applied or other domestic or otherwise nationally relevant biomass studies Tier 2: Application of country specific national or sub-national biomass conversion factors from other country with similar climatic conditions and forest types Tier 1: International/regional default biomass expansion factors applied	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other
<ul style="list-style-type: none"> <li>• Carbon in above ground biomass</li> <li>• Carbon in below ground biomass</li> <li>• Carbon in dead wood and litter</li> <li>• Soil carbon</li> </ul>	Tier 3: Country-specific national or sub-national biomass conversion expansion factors applied Tier 2: Application of country specific national or sub-national biomass conversion factors form from other country with similar climatic conditions and forest types Tier 1: International/regional default biomass expansion factors applied	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

### 3.5 Comments on growing stock biomass and carbon

Category	Comments related to data definitions etc	Comments on the reported trend
Total growing stock	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Growing stock of broadleaved coniferous	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Growing stock composition	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Net annual increment	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Above-ground biomass	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Below-ground biomass	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Dead wood	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A

Carbon in above-ground biomass	The data for 2015 has been specified according to the statistical report. There is assumption that data for previous years were not so precise	N/A
Carbon in below-ground biomass	N/A	N/A
Carbon in dead wood	N/A	N/A
Carbon in litter	N/A	N/A
Soil carbon	N/A	N/A

**Other general comments to the table**

Forests in Uzbekistan are characterized as the 1st category forests (i.e. have mainly the protective function). The species mostly distributed in the forests of Uzbekistan are saxaul (*Haloxylon* spp.) and juniper (*Juniperus* spp.). The saxaul is a desert tree, this species is not high with rather small diameter of trunk. In the past in 1960th it was classified as a bush, and later was transferred to the category of trees. Juniper is characterized with very slow growth. Six-year juniper trees can reach only one meter of height. This is one of the reasons why they cannot be restored easily in the mountain areas of the country

## 4. What is the status of forest production and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 4.1 Categories and definitions

Term	Definition
Primary designated function	The primary function or management objective assigned to a management unit either by legal prescription documented decision of the landowner/manager or evidence provided by documented studies of forest management practices and customary use.
Non wood forest product (NWFP)	Goods derived from forests that are tangible and physical objects of biological origin other than wood.
Commercial value of NWFP	For the purpose of this table, value is defined as the commercial market value at the forest gate.
Category	Definition
Production forest	Forest area designated primarily for production of wood, fibre, bio-energy and/or non-wood forest products.
Multiple use forest	Forest area designated for more than one purpose and where none of these alone is considered as the predominant designated function.
Total wood removals	The total of industrial round wood removals and woodfuel removals.
...of which woodfuel	The wood removed for energy production purposes, regardless whether for industrial, commercial or domestic use.

### 4.2 National data

#### 4.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Distribution of the State Forest Resources as to Land Categories	State forest fund	1990, 2000, 2005, 2008	N/A
2	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Management by forest functions	1990, 2000, 2005, 2008	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 4.2.2 Classification and definitions

National class	Definition
----------------	------------

Covered by forest	Forests with closed crowns, where the need of care of soil is not required, the height of trees and annual growth of the last year corresponds to criteria of the Table of Quality Estimation for the main species, regular arrangement of the main species; young forests
... of which Production plantations	Forest stands and plantations used for industrial purposes
Sparse forest stands and forest nurseries	Forests combined with bushes requiring the additional care before restoration, not corresponding to standards, crowns without required density and closing of crowns, annual growth and non-regular arrangement of the main species, as well as land assigned for growing of plantings
N/A	N/A

#### 4.2.3 Original data

National class	Area (1000 hectares)			
	1990	2000	2005	2008
Covered by forest	<b>1895.3</b>	<b>3210.9</b>	<b>3294.0</b>	<b>3244.1</b>
... of which Natural and planted forests	1722.7	2995.0	3013.8	3039.9
... of which Production plantations	3.1	4.8	5.1	5.3
... of which Conservation of biodiversity	169.5	211.1	275.1	198.9
forest nurseries	0.7	0.9	1.0	0.7
<b>Total</b>	<b>1896</b>	<b>3211,8</b>	<b>3295.0</b>	<b>3244.8</b>

#### 4.3 Analysis and processing of national data

## 4.3.1 Adjustment

NA
----

## 4.3.2 Estimation and forecasting

NA
----

## 4.3.3 Reclassification

National classes	Percentage of a National class belonging to a FRA Primary function			
	Forest			
	Production	Protection of soil and water	Conservation of Biodiversity	
Natural and planted forest		100%		
Production plantations	100%			
Conservation of biodiversity (reserves and national parks)			100%	
Forest nurseries	100%			

## 4.4 Data

Table 4a



Categories		Forest area (000 hectares)				
		1990	2000	2005	2010	2015
	Production forest	5	6	6	5.5	6
	Multiple use forest	0	0	0	0	0

Table 4b

Rank	Name of product	Key species	Commercial value of NWFP removals 2010 (value 1000 local currency)	NWFP category
1 st	Nuts	Pistachio, walnut, nut,	740	1
2 nd	Medicinal and Aromatic Plants	Rosa canina, Leonurus turkestanica, Mentha piperita, Calendula officinalis, Crataegus turkestanica,	500	3
3 rd	Honey	Acacia, safora, Castánea, tamareks, cotton, sunflower, Alhagi	1500	2
4 th	Fruits	Wild Apple, wild cherry, Crataégus, Hippóphaë	200	3
5 th	Handicraft from wood	Sálix, Morus, Úlmus, Plátanus	100	4
6 th	N/A	N/A	N/A	N/A
7 th	N/A	N/A	N/A	N/A
8 th	N/A	N/A	N/A	N/A
9 th	N/A	N/A	N/A	N/A
10 th	N/A	N/A	N/A	N/A
TOTAL			3040.00	

2010	
Name of local currency	UZB SUM

Category
<b>Plant products / raw material</b>
1 Food
2 Fodder
3 Raw material for medicine and aromatic products
4 Raw material for colorants and dyes
5 Raw material for utensils handicrafts construction



6 Ornamental plants
7 Exudates
8 Other plant products
<b>Animal products / raw material</b>
9 Living animals
10 Hides skins and trophies
11 Wild honey and beeswax
12 Wild meat
13 Raw material for medicine
14 Raw material for colorants
15 Other edible animal products
16 Other non-edible animal products

Table 4c Pre-filled data from FAOSTAT

Year	FRA 2015 category (1000 m <sup>3</sup> u.b.)	
	Total wood removals	...of which woodfuel
1990	30	22
1991	0	0
1992	0	0
1993	0	0
1994	0	0
1995	0	0
1996	0	0
1997	0	0
1998	33.2	24.28
1999	25	18.98
2000	28.9	24
2001	33	24

2002	32.1	22.6
2003	28	20
2004	26.7	18.3
2005	29	21
2006	31	22
2007	32	23
2008	30	22
2009	30	22
2010	30	22
2011	30	22

## Tiers

Category	Tier for status	Tier for reported trend
Production forest	Tier 2	Tier 2
Multiple use forest	Tier 2	Tier 2

## Tier Criteria

Category	Tier for status	Tier for reported trend
Production forest Multiple use forest	Tier 3: Updated including field verifications national forest maps including functions Tier 2: Forest maps older than 6 years including forest functions Tier 1: Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

## 4.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Production forest	N/A	N/A
Multiple use forest	N/A	N/A
Total wood removals	N/A	N/A
Commercial value of NWFP	N/A	N/A

**Other general comments to the table**

There is no data on the wild honey in Uzbekistan. With this regard, only the data on natural honey which was produced in the forestry sector has been included

## 5. How much forest area is managed for protection of soil and water and ecosystem services?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 5.1 Categories and definitions

Category	Definition
Protection of soil and water	Forest area designated or managed for protection of soil and water
...of which production of clean water ( <i>sub-category</i> )	Forest area primarily designated or managed for water production, where most human uses are excluded or heavily modified to protect water quality.
...of which coastal stabilization ( <i>sub-category</i> )	Forest area primarily designated or managed for coastal stabilization.
...of which desertification control ( <i>sub-category</i> )	Forest area primarily designated or managed for desertification control.
...of which avalanche control ( <i>sub-category</i> )	Forest area primarily designated or managed to prevent the development or impact of avalanches on human life assets or infrastructure.
...of which erosion, flood protection or reducing flood risk ( <i>sub-category</i> )	Forest area primarily designated or managed for protecting communities or assets from the impacts of erosion riparian floods and landslides or for providing flood plain services.
...of which other ( <i>sub-category</i> )	Forest area primarily designated or managed for other protective functions.
Ecosystem services, cultural or spiritual values	Forest area primarily designated or managed for selected ecosystem services or cultural or spiritual values.
...of which public recreation ( <i>sub-category</i> )	Forest area designated or managed for public recreation.
...of which carbon storage or sequestration ( <i>sub-category</i> )	Forest area designated or managed for carbon storage or sequestration.
...of which spiritual or cultural services ( <i>sub-category</i> )	Forest area designated or managed for spiritual or cultural services.
...of which other ( <i>sub-category</i> )	Forest area designated or managed for other ecosystem services.

### 5.2 National data

#### 5.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Law on	Forest functions	1999	N/A

2	Resolution of the Cabinet of Ministers of Uzbekistan dated April 9, 2001 #163	Protective functions of forests	2001	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

### 5.2.2 Classification and definitions

National class	Definition
• forbidden bands of forest on the banks of rivers, shores of lakes and reservoirs and other water bodies	N/A
• forbidden bands of forest protecting spawning grounds of valuable commercial species of fish	N/A
• erosion-preventive forests;	N/A
• protective forest bands along rail and motor ways;	N/A
• forest of desert and semi-desert zones;	N/A
• city forests and forest parks;	N/A
• forests of the park zones around cities, other settlements and industrial centers;	N/A
• forests of sanitary protection of sources of water supply;	N/A
• forests of sanitary protection of resort areas;	N/A
• especially valuable forest stands;	N/A
• forests of nut crops zones;	N/A
• fruit forest plantations;	N/A
• forests of state reserves;	N/A
• forests of state national natural parks;	N/A
• forests of scientific of historical importance.	N/A

### 5.2.3 Original data

NA
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### 5.3 Analysis and processing of national data

## 5.3.1 Adjustment

NA
----

## 5.3.2 Estimation and forecasting

NA
----

## 5.3.3 Reclassification

NA
----

## 5.4 Data

Table 5a

Categories		Forest area (1000 hectares)				
		1990	2000	2005	2010	2015
	Protection of soil and water	2539.5	2678.8	2748	2731.8	2685.5
	... of which production of clean water	54.8	57.8	59.3	59	58
	... of which coastal stabilization	39.6	41.8	42.8	42.6	41.9
	... of which desertification control	2445.1	2579.2	2645.9	2630.2	2585.6
	... of which avalanche control	N/A	N/A	N/A	N/A	N/A
	... of which erosion, flood protection or reducing flood risk	N/A	N/A	N/A	N/A	N/A
	... of which other (please specify in comments below the table)	N/A	N/A	N/A	N/A	N/A

**Other**

N/A

Table 5b

Categories	Forest area (1000 hectares)				
	1990	2000	2005	2010	2015
Ecosystem services, cultural or spiritual values	505.5	533.2	547	543.8	534.5
...of which public recreation	57	57	57	72	74.5
...of which carbon storage or sequestration	N/A	N/A	N/A	N/A	N/A
...of which spiritual or cultural services	448.5	476.2	490	471.8	460
...of which other (please specify in comments below the table)	N/A	N/A	N/A	N/A	N/A

## Tiers

Category	Tier for reported trend	Tier for status
Protection of soil and water	Tier 2	Tier 2
Ecosystem services, cultural or spiritual values	Tier 2	Tier 2

## Tier criteria

Category	Tier for status	Tier for reported trend
Protection of soil and water	Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations or legislation relating to soil and water protection. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

<ul style="list-style-type: none"> <li>• Cultural or spiritual values</li> <li>• Public recreation</li> <li>• Spiritual or cultural services</li> <li>• Other</li> </ul>	<p>Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other</p>	<p><b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other</p>
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## 5.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Protection of soil and water	N/A	N/A
Production of clean water	N/A	N/A
Coastal stabilization	N/A	N/A
Desertification control	N/A	N/A
Avalanche control	N/A	N/A
Erosion, flood protection or reducing flood risk	N/A	N/A
Other protective functions	N/A	N/A
Ecosystem services, cultural or spiritual values	N/A	N/A
Public recreation	N/A	N/A
Carbon storage or sequestration	N/A	N/A
Spiritual or cultural services	N/A	N/A
Other ecosystem services	N/A	N/A

### Other general comments to the table

N/A



## 6. How much forest area is protected and designated for the conservation of biodiversity and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 6.1 Categories and definitions

Category	Definition
Conservation of biodiversity	Forest area designated primarily for conservation of biological diversity. Includes but is not limited to areas designated for biodiversity conservation within the protected areas.
Forest area within protected areas	Forest area within formally established protected areas independently of the purpose for which the protected areas were established.

### 6.2 National data

#### 6.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Law on Protected areas of Uzbekistan	Protected area management	2004	N/A
2	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Management by forest functions	1990, 2000, 2005, 2008	N/A
3	Distribution of the State Forest Resources as to Land Categories	State forest fund	1990, 2000, 2005, 2008	N/A
4	N/A	N/A	N/A	N/A

#### 6.2.2 Classification and definitions

National class	Definition
- state reserves;	The state reserves are protected natural territories of general public significance with strict regime of protection of natural objects and complexes designated for conservation and study of typical ecological systems, genetic fund of plants and animals.
- complex (landscape) sanctuaries;	The complex (landscape) sanctuaries are protected natural territories designated for conservation in natural condition of the natural objects and complexes, which have special ecological value.
- natural parks;	The natural parks are protected natural territories designated for conservation and use in nature protection, recreational, scientific and cultural purposes of the natural objects and complexes, which have special ecological, cultural and aesthetic value.

- state natural monuments;	The state monuments of nature are protected natural territories having unique, irreplaceable, valuable natural objects of ecological, scientific, cultural and aesthetic significance. The state monuments of nature are divided into the following types: - hydrological (marsh, lake, river and other) designated for conservation of natural water objects; - botanical, designated for conservation of separate plants; - geomorphologic, designated for conservation of forms of relief created by the nature; - paleontologic, designated for conservation of fossil objects; - geological and mineralogical, designated for conservation of geological and mineralogical formations.
- territories for conservation, reproduction and restoration of separate natural objects and complexes;	The territories for conservation, reproduction and restoration of separate natural objects and complexes are created in the form of sanctuaries, natural nurseries and fishery zones.
- protected landscapes;	Protected landscapes include resort natural territories, recreational zones, water protected zones, riversides, zones of sanitary protection of water objects and zones of formation of surface and underground waters.
- territories for management of separate natural resources.	The territories for management of separate natural resources include the lands of forestry fund, occupied with erosion-preventive woods, city woods, woods around the green zones of the cities, other populated areas and industrial centers, especially valuable woods, woods of walnut-field zones, wood-fruit plantings, woods of scientific or historical significance, as well as land sites of hunting facilities designated for rational use of flora and fauna.

### 6.2.3 Original data

NA
----

## 6.3 Analysis and processing of national data

### 6.3.1 Adjustment

NA
----

### 6.3.2 Estimation and forecasting



NA
----

### 6.3.3 Reclassification

NA
----

## 6.4 Data

Table 6

Categories		Forest area (000 hectares)				
		1990	2000	2005	2010	2015
	Conservation of biodiversity	83	211	275	210	210
	Forest area within protected areas	83	211	275	210	210

## Tiers

Category	Tier for status	Tier for reported trend
Conservation of biodiversity	Tier 2	Tier 2
Forest area within protected areas	Tier 2	Tier 2

## Tier criteria

Category	Tier for status	Tier for reported trend
<ul style="list-style-type: none"> <li>Conservation of biodiversity</li> <li>Forests within protected areas</li> </ul>	Tier 3: Data obtained from national or state agencies responsible for conservation and protected area or legislation relating to area protection. Tier 2: Studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates Tier 1 Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

## 6.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Conservation of biodiversity	N/A	N/A
Forest area within protected areas	N/A	N/A

## Other general comments to the table

N/A

## 7. What is the area of forest affected by woody invasive species?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 7.1 Categories and definitions

Category	Definition
Invasive species	Species that are non-native to a particular ecosystem and whose introduction and spread cause, or are likely to cause, socio-cultural, economic or environmental harm or harm to human health.

### 7.2 National data

#### 7.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 7.2.2 Classification and definitions

National class	Definition
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

#### 7.2.3 Original data

--

### 7.3 Analysis and processing of national data

#### 7.3.1 Adjustment

--

## 7.3.2 Estimation and forecasting

## 7.3.3 Reclassification

## 7.4 Data

Table 7

Scientific name of woody invasive species	Forest area affected (000 ha)	
	2005	2010
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Total	N/A	N/A

## Tiers

Category	Tier for status	Tier for reported trend
Invasive species	Tier 1	Tier 1

## Tier Criteria

Category	Tier for status	Tier for reported trend
----------	-----------------	-------------------------

Invasive species	Tier 3: Systematic assessment in forest inventory or other survey (e.g. by conservation department) within the last 5 years) Tier 2: Systematic assessment in forest inventory or other survey (e.g. by conservation department conducted more than 5 years ago) Tier 1: Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other
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### 7.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Invasive species	N/A	N/A

Other general comments to the table
N/A

## 8. How much forest area is damaged each year?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 8.1 Categories and definitions

Category	Definition
Number of fires	Number of fires per year
Burned area	Area burned per year
Outbreaks of insects	A detectable reduction in forest health caused by a sudden increase in numbers of harmful insects.
Outbreaks of diseases	A detectable reduction in forest health caused by a sudden increase in numbers of harmful pathogens, such as bacteria, fungi, phytoplasma or virus.
Severe weather events	Damage caused severe weather events, such as snow, storm, drought, etc.

### 8.2 National data

#### 8.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Annual reports of the Main Forestry Department under the Ministry of Agriculture and Water Resources of the RU	Forest conservation and protection	2003-2007	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 8.2.2 Classification and definitions

National class	Definition
Forest fires	N/A
Conserving the forest from insects and diseases	N/A
Degradation of forest from natural disasters	N/A
N/A	N/A

## 8.2.3 Original data

Category	Years (in ha)			
	2000	2005	2010	2012
<b>Forest fires</b>	105.95	213.82	87.29	8.3
...Of which total land area (ha)	105.95	213.82	87.29	8.3
....Of which forest area( ha)	72.9	116.85	48.9	5.3
...Numbers of Forest fires	12	8	14	1
<b>Forest insects</b>	18867	16000	18000	16026.4
...of which total area of damaged by insects	18867	16000	18000	16026.4
<b>Forest disease</b>	6994	8500	8700	9400
... of which total area of damaged by disease	6994	8500	8700	9400

## 8.3 Analysis and processing of national data

## 8.3.1 Adjustment

NA

## 8.3.2 Estimation and forecasting

NA

## 8.3.3 Reclassification

NA



## 8.4 Data

Table 8a





Category		000 ha, number of fires									
		2003		2004		2005		2006		2007	
		000 ha	#	000 ha	#	000 ha	#	000 ha	#	000 ha	#
	Total land area burned	0.098	7	0.009	4	0.213	8	0.053	9	0.042	5
	... of which forest area burned	0.029	7	0.001	4	0.116	8	0.034	9	0.033	5
Category		2008		2009		2010		2011		2012	
		000 ha	#	000 ha	#	000 ha	#	000 ha	#	000 ha	#
	Total land area burned	0.047	3	0.388	7	0.087	14	0.144	18	0.01	4
	... of which forest area burned	0.008	3	0.01	7	0.049	11	0.05	18	0.005	4

Table 8b

Outbreak category	Description/name	Year(s) of latest outbreak	Area damaged (000 hectares)
1	Ocneria dispar L	2006	1.5
2	Gypsonoma euphratica	2008	2
1	Diaspidiotus slavonicus Comst	1998	1.8
1	Lepidosaphes mesasiatica Bor.	1999	5
2	M.Larici-populina	2002	0.5
1	Acolesthes santa Solsky	1995	0.7
1	Cratomerus intrmedius Obend	2005	0.2
2	Phyllactinia suffulta Sacc.	2001	4.5
1	Cydia pomonella L	2012	4.2

3	Degradation of forests from natural disasters	2011	15
---	---	------	----

Outbreak category
1 Insects
2 Diseases
3 Severe weather events

## Tiers

Category	Tier for status	Tier for trend
Area affected by fire	Tier 2	Tier 2
<ul style="list-style-type: none"> <li>• Insects</li> <li>• Diseases</li> <li>• Severe weather events</li> </ul>	Tier 2	Tier 2

## Tier criteria

Category	Tier for status	Tier for reported trend
Burned area	<b>Tier 3</b> : National fire monitoring routines <b>Tier 2</b> : Remote sensing surveys <b>Tier 1</b> : Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other
<ul style="list-style-type: none"> <li>• Insects</li> <li>• Diseases</li> <li>• Severe weather events</li> </ul>	<b>Tier 3</b> : Systematic survey (e.g. via inventory or aerial damage assessment) <b>Tier 2</b> : Management records <b>Tier 1</b> : Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

## 8.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Burned area	N/A	N/A
Insects	N/A	N/A
Diseases	N/A	N/A
Severe weather events	N/A	N/A

Other general comments to the table
N/A

## 9. What is the forest area with reduced canopy cover?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

Category	Definition
Reduction in canopy cover	Forest that has undergone a reduction of canopy cover of more than 20% between the years 2000 and 2010 within the forest canopy cover range of 30-80% as detected by the MODIS VCF sensor.

Table 9

Category	Area of forest with reduced canopy cover (000 ha)
Reduction in canopy cover	2748.4

Tiers

Category	Tier for reported trend
Reduction in canopy cover	Tier 2

Tier criteria

Category	Tier for reported trend
Reduction in canopy cover	<b>Tier 3</b> : Remote sensing with ground truthing and/or Landsat imagery <b>Tier 2</b> : Remote sensing using Modis (using pre-filled data provided by FAO) <b>Tier 1</b> : Expert opinion

Comments

Category	Comments related to data definitions etc
Reduction in canopy cover	N/A

Other general comments

--

## 10. What forest policy and regulatory framework exists to support implementation of sustainable forest management SFM?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 10.1 Categories and definitions

Category	Definition
Policies supporting sustainable forest management	Policies or strategies that explicitly encourage sustainable forest management.
Legislation and regulations supporting sustainable forest management	Legislation and regulations that govern and guide sustainable forest management, operations and use.

### 10.2 National data

#### 10.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	National report on Environmental protection of Uzbekistan	Environmental protection	2008	N/A
2	National report on condition of land resources in Uzbekistan	State Committee of Land Resources, Geodesy, Cartography and Cadastre	2013	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 10.2.2 Classification and definitions

National class	Definition
Concept of the forestry development	N/A
State programme	N/A
General scheme of the forestry development of the country	N/A
Action plans of the forestry development	N/A
Forestry development Programme	N/A

## 10.2.3 Original data

Name of the document	status	
Concept of the Forestry development	under development	
State programme on Environmental protection of Uzbekistan for 2013-2017	implementation	
General scheme of the forestry development of the country	under development	
Action Plan of the forestry development of Uzbekistan for 2012-2013	implementation	
Forestry development of Uzbekistan for 2011-2015	implementation	

## 10.3 Data

Table 10

Category				
	National	Sub-national		
		Regional	Provincial/State	Local
Policies supporting sustainable forest management	yes	yes	yes	yes
... of which, in <u>publicly</u> owned forests	yes	yes	yes	yes
... of which, in <u>privately</u> owned forests	no	no	no	no
Legislation and regulations supporting sustainable forest management	yes	yes	yes	yes
... of which, in <u>publicly</u> owned forests	yes	yes	yes	yes
... of which, in <u>privately</u> owned forests	no	no	no	no

## 10.4 Comments

Variable / category	Comments related to data definitions etc
Policies supporting sustainable forest management	N/A

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Legislation and regulations supporting sustainable forest management	N/A
--	-----

Other general comments

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## 11. Is there a national platform that promotes stakeholder participation in forest policy development?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 11.1 Categories and definitions

Category	Definition
National stakeholder platform	A recognized procedure that a broad range of stakeholders can use to provide opinions, suggestions, analysis, recommendations and other input into the development of national forest policy.

### 11.2 National data

#### 11.2.1 Data sources

	References to sources of information	Years	Additional comments
1	N/A	N/A	N/A
2	N/A	N/A	N/A
3	N/A	N/A	N/A
4	N/A	N/A	N/A

Table 11

<b>Is there a national platform that promotes or allows for stakeholder participation in forest policy development?</b>	no
---	----

### 11.3 Comments

Category	Comments related to data definitions etc
National stakeholder platform	There is no special platform which involves all forest related stakeholders and promotes stakeholder participation in the forest policy development. But, there are some general platforms under Parliament and some ministries which promotes to exchange information between ministries, agencies and NGOs. These platforms do not influence for the forest policy developments significantly.

Other general comments

--

## 12. What is the forest area intended to be in permanent forest land use and how has it changed over time?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 12.1 Categories and definitions

Category	Definition
Forest area intended to be in permanent forest land use	Forest area that is designated or expected to be retained as forest and is highly unlikely to be converted to other land use.
...of which permanent forest estate ( <i>sub-category</i> )	Forest area that is designated by law or regulation to be retained as forest and may not be converted to other land use.

### 12.2 National data

#### 12.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Distribution of the State Forest Resources as to Land Categories	State forest fund	1990, 2000, 2005, 2008	N/A
2	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Management by forest functions	1990, 2000, 2005, 2008	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 12.2.2 Classification and definitions

National class	Definition
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A



### 12.2.3 Original data

See 4.2.3.

## 12.3 Analysis and processing of national data

### 12.3.1 Adjustment



### 12.3.2 Estimation and forecasting

### 12.3.3 Reclassification

See 4.3.3.

## 12.4 Data

Table 12

Categories		Forest area 2010 (000 ha)
	Forest area intended to be in permanent forest land use	3275.5
	... of which permanent forest estate	3275.5

### Tiers

Category	Tier for status
Forest area intended to be in permanent forest land use	Tier 2
Permanent forest estate	Tier 2

### Tier Criteria

Category	Tier for status
Forest area intended to be in permanent forest land use	<b>Tier 3</b> : National or sub-national land use plans strategy documents or other reports within the past 10 years <b>Tier 2</b> : National or sub-national land use plans strategy documents or other reports within the past 20 years <b>Tier 1</b> : Other
Permanent forest estate	<b>Tier 3</b> : National or sub-national land use plans strategy documents or other reports within the past 10 years <b>Tier 2</b> : National or sub-national land use plans strategy documents or other reports within the past 20 years <b>Tier 1</b> : Other

**12.5 Comments**

<b>Category</b>	<b>Comments related to data definitions etc</b>
Forest area intended to be in permanent forest land use	N/A
Permanent forest estate	N/A

Other general comments

--

### 13. How does your country measure and report progress towards SFM at the national level?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

#### 13.1 Categories and definitions

Category	Definition
Forest area monitored under a national forest monitoring framework	Forest area monitored by a national monitoring framework or systems that provide measurement based periodic monitoring of forest extent and quality.
Forest reporting at national scale	National reporting of forest extent and characteristics that includes some measure of progress toward sustainable forest management.

#### 13.2 National data

##### 13.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	National report on Environmental protection of Uzbekistan	Environmental protection	each year	N/A
2	National report of the State cadastre of land resources, state cadastre and cartography	Land management	each year	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

##### 13.2.2 Classification and definitions

National class	Definition
National reporting	Main Department of forestry provides reports to the Cabinet of Ministers and the Parliament on the sustainable forest management every year
Intersectoral reporting	Main Department of forestry provides reports to the State statistical agency, State Committee on Land Resources, State cadastre and cartography and State Committee on Nature Protection concerning sustainable forest management activities
Sectoral reporting	Main Department of forestry provides reports to the Ministry of Agriculture and Water Resources on the implementation of the forestry programmes in the country
N/A	N/A

**13.3 Data**

Table 13a

Category	% of total forest area	Most recent year	Check all boxes that apply					
			Continuous	Periodic	Permanent ground plots	Temporary ground plots	Aerial/remote sensing sample based	Aerial/remote sensing full coverage
Forest inventory	100	1987	yes	yes	yes		yes	yes
Other field assessments	15	2000-2002	yes	yes	yes	yes	no	no
Updates to other sources	N/A	N/A						
Expert estimate	N/A	N/A						

Table 13b

Type of forest reporting used at national scale	Check boxes that apply
1 Criteria and Indicators reporting	yes
2 Periodic national state of the forest report	yes
3 Other (please document)	
4 None	

**Other type of forest reporting**

N/A

**13.4 Comments**

Category	Comments
N/A	N/A
N/A	N/A
N/A	N/A

Other general comments

--

## 14. What is the area of forest under a forest management plan and how is this monitored?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 14.1 Categories and definitions

Category	Definition
Forest area with management plan	Forest area that has a long-term documented management plan, aiming at defined management goals which is periodically revised
...of which for production ( <i>sub-category</i> )	Forest management plan mainly focused on production
...of which for conservation ( <i>sub-category</i> )	Forest management plan mainly focused on conservation
Monitoring of forest management plans	Government monitoring of forest management plan implementation conducted through field visits or audits of forest management plan performance

### 14.2 National data

#### 14.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Distribution of the State Forest Resources as to Land Categories	State forest fund	1990, 2000, 2005, 2008	N/A
2	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Management by forest functions	1990, 2000, 2005, 2008	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

### 14.3 Data

Table 14a

Forest plan type	Forest area 2010 (000 ha)
Forest area with management plan	3275.5
... of which for production	5.5
... of which for conservation	3270

Table 14b

Indicate which (if any) of the following are required in forest management plans in your country	
1 Soil and water management	yes
2 High conservation value forest delineation	yes
3 Social considerations community involvement	yes

Table 14c

Percent of area under forest management plan that is monitored annually	15
---	----

## Tiers

Category	Tier for status
Forest area with management plan	Tier 2
Percent of area under forest management plan that is monitored annually	Tier 2

## Tier criteria

Category	Tier for status
Forest area with management plan	<b>Tier 3</b> : Reports that describe national records 5 years old or less that contain long-term forest monitoring plans <b>Tier 2</b> : Industry or other records indicating the presence of a long-term forest management plan <b>Tier 1</b> : Other
Percent of area under forest management plan that is monitored annually	<b>Tier 3</b> : Government documentation of monitoring extent <b>Tier 2</b> : Reports from forest managers or other documental sources <b>Tier 1</b> : Other

## 14.4 Comments

Category	Comments
Forest area with management plan	All forestry organization have forest management plans in Uzbekistan, but 85% of them outdated.
N/A	N/A
N/A	N/A

## Other general comments

--

## 15. How are stakeholders involved in the management decision making for publicly owned forests?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 15.1 Categories and definitions

Category	Definition
Stakeholder involvement	Stakeholder involvement is defined as significant inputs into at least one aspect of forest management at the operational scale

Table 15

Please indicate the type of stakeholder involvement in forest management decision making required in your country	
1. Planning phase	no
2. Operations phase	yes
3. Review of operations	no

Tiers

Category	Tier for status
Type of stakeholder inputs	Tier 2

Tier criteria

Category	Tier for status
Type of stakeholder inputs	<b>Tier 3</b> : Government (national or sub-national) documentation of stakeholder inputs <b>Tier 2</b> : Government (national or subnational) requirement but stakeholder inputs not documented <b>Tier 1</b> : Other

### 15.2 Comments

Category	Comments
N/A	N/A
N/A	N/A
N/A	N/A

Other general comments

--

## 16. What is the area of forest under an independently verified forest certification scheme?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 16.1 Categories and definitions

Category	Definition
FSC certification	Forest area certified under the Forest Stewardship Council certification scheme
PEFC certification	Forest area certified under the Programme for the Endorsement of Forest Certification scheme
Other international forest management certification	Forest area certified under an international forest management certification scheme with published standards and is independently verified by a third-party, excluding FSC and PEFC certification.
Certified forest area using a domestic forest management certification scheme	Area certified under a forest management certification scheme with published standards that are nationally recognized and independently verified by a thirdparty

### 16.2 Data

Table 16a













International forest management certification		Forest area (000 ha)						
		2000	2001	2002	2003	2004	2005	2006
	FSC	0	0	0	0	0	0	0
	PEFC	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0
		2007	2008	2009	2010	2011	2012	
	FSC	0	0	0	0	0	0	
	PEFC	0	0	0	0	0	0	
	Other	0	0	0	0	0	0	

Table 16b

Domestic forest management certification		Forest area (000 ha)						
		2000	2001	2002	2003	2004	2005	2006
	N/A	0	0	0	0	0	0	0
	N/A	0	0	0	0	0	0	0
	N/A	0	0	0	0	0	0	0



		2007	2008	2009	2010	2011	2012	
		0	0	0	0	0	0	
		0	0	0	0	0	0	
		0	0	0	0	0	0	

## Tier criteria

Category	Tier for status
<b>International</b> forest management certification	Tier 3: International forest management scheme records maintained by the certifying organization for the reporting year Tier 2: International forest management scheme records reported by the certifying organization for a period 2 years prior to the reporting year Tier: 1 Other
<b>Domestic</b> forest management certification	Tier 3: National registry reports for domestic forest management certification maintained by the certifying organization for the reporting year Tier 2: Domestic forest management scheme records reported by the certifying organization for a period 2 years prior to the reporting year Tier: 1 Other

## Tiers

Category	Tier for status
<b>International</b> forest management certification	N/A
<b>Domestic</b> forest management certification	N/A

## 16.3 Comments

Category	Comments related to data definitions etc
Certified forest area using an international forest management certification scheme	N/A
Domestic forest management certification	There is no any forest certification in Uzbekistan

## Other general comments

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## 17. How much money do governments collect from and spend on forests?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 17.1 Categories and definitions

Category	Definition
Forest revenue	All government revenue collected from the domestic production and trade of forest products and services. For this purpose revenue include: <ul style="list-style-type: none"> <li>• <u>Goods</u> : roundwood; sawnwood; biomass; woodbased panels; pulp and paper and non-wood forest products.</li> <li>• <u>Services</u> : including concession fees and royalties, stumpage payments, public timber sales revenue taxes and charges based on forest area or yield, taxes on domestic trade and export of forest products, special levies on forestry activities and payments into forest related funds, other miscellaneous inspection, licence and administrative fees levied by forest administrations, permit and licence fees for recreation and other forest related activities.</li> </ul>
Public expenditure on forestry	All government expenditure on forest related activities.

### 17.2 National data

#### 17.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Annual report of the Main Forestry Department under the Ministry of Agriculture and Water Resources of the RU	N/A	2000, 2005, 2008	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

### 17.3 Data

Table 17

Category	Revenues / expenditures (000 local currency)		
	2000	2005	2010
Forest revenue	2364642	7572313	9979088
Public expenditure on forestry	1689030	5408795	11550811
	2000	2005	2010

Name of Local Currency	UZB SUM	N/A	N/A
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#### 17.4 Comments

Category	Comments related to data definitions etc
Forest revenue	N/A
Public expenditure on forestry	The main reason of increasing public expenditures is regular rising salary for forestry workers
Other general comments	N/A

Other general comments

The main reason of increasing public expenditures is regular rising salary for forestry workers
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## 18. Who owns and manages the forests and how has this changed?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 18.1 Categories and definitions

Category	Definition
Public ownership	Forest owned by the State or administrative units of the public administration or by institutions or corporations owned by the public administration.
...of which owned by the state at national scale ( <i>sub-category</i> )	Forest owned by the State at the national scale or administrative units of the public administration or by institutions or corporations owned by the public administration.
...of which owned by the state at the sub-national government scale ( <i>sub-category</i> )	Forest owned by the State at the sub-national government scale or administrative units of the public administration or by institutions or corporations owned by the public administration.
Private ownership	Forest owned by individuals, families, communities, private cooperatives corporations and other business entities, private, religious and educational institutions, pension or investment funds, NGOs, nature conservation associations and other private institutions.
...of which individuals ( <i>sub-category</i> )	Forest owned by individuals and families.
...of which private business entities and institutions ( <i>sub-category</i> )	Forest owned by private corporations cooperatives companies and other business entities as well as private nonprofit organizations such as NGOs nature conservation associations, and private religious and educational institutions etc.
...of which local tribal and indigenous communities ( <i>sub-category</i> )	Forest owned by a group of individuals belonging to the same community residing within or in the vicinity of a forest area or forest owned by communities of indigenous or tribal people The community members are coowners that share exclusive rights and duties and benefits contribute to the community development.
Unknown ownership	Forest area where ownership is unknown includes areas where ownership is unclear or disputed.
Categories related to management rights of public forests	Definition
Public Administration	The Public Administration (or institutions or corporations owned by the Public Administration) retains management rights and responsibilities within the limits specified by the legislation.
Individuals households	Forest management rights and responsibilities are transferred from the Public Administration to individuals or households through long-term leases or management agreements.
Private companies	Forest management rights and responsibilities are transferred from the Public Administration to corporations, other business entities private cooperatives, private nonprofit institutions and associations, etc., through long-term leases or management agreements.
Communities	Forest management rights and responsibilities are transferred from the Public Administration to local communities (including indigenous and tribal communities) through long-term leases or management agreements.
Other form of management rights	Forests for which the transfer of management rights does not belong to any of the categories mentioned above.

### 18.2 National data

## 18.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Distribution of the State Forest Resources as to Land Categories	Public ownership	1990, 2000, 2005, 2008	N/A
2	Annual Report of the Main Forestry Department Ministry of Agriculture and Water Resources of the Republic of Uzbekistan	Public ownership	1990, 2000, 2005, 2008	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

## 18.2.2 Classification and definitions

National class	Definition
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

## 18.2.3 Original data

Data imported from Question 1
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## 18.3 Analysis and processing of national data

## 18.3.1 Adjustment

NA
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## 18.3.2 Estimation and forecasting









NA
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## 18.3.3 Reclassification

National Classes of Ownership	Percentage of a National class belonging to a FRA Class		
	Public Ownership	Private Ownership	Other or unspecified Ownership
Percentage	%	%	%
State	100 %	0	0

## 18.4 Data

Table 18a

Categories		Forest area (1000 hectares)			
		1990	2000	2005	2010
	Public ownership	3045	3212	3295	3275.5
	... of which owned by the state at national scale	N/A	N/A	N/A	3275.5
	... of which owned by the state at the sub-national government scale	N/A	N/A	N/A	0
	Private ownership	0	0	0	0
	... of which owned by individuals	0	0	0	0
	... of which owned by private business entities and institutions	0	0	0	0
	... of which owned by local, tribal and indigenous communities	0	0	0	0
	Unknown ownership	0	0	0	0
TOTAL		3045.00	3212.00	3295.00	3275.50

Tiers

Category	Tier for status	Tier for reported trend
Public ownership	Tier 2	Tier 2
Private ownership	Tier 2	Tier 2
Unknown ownership	Tier 2	Tier 2

## Tier criteria

Category	Tier for status	Tier for reported trend
Ownership	Tier 3: National forestry statistics registers of land titles or maps on land ownership or all forest area under one ownership category that is five years old or less. Tier 2: National forestry statistics registers of land titles or maps on land ownership or questionnaires that are more than five years old. Tier 1: Other	<b>Tier 3</b> : Estimate based on repeated compatible tiers 3 (tier for status) <b>Tier 2</b> : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <b>Tier 1</b> : Other

Table 18b - Holder of management rights of public forests

Categories	Forest area (000 hectares)			
	1990	2000	2005	2010
Public Administration	3045	3212	3295	3275
Individuals	0	0	0	0
Private companies	0	0	0	0
Communities	0	0	0	0
Other	0	0	0	0
TOTAL	3045.00	3212.00	3295.00	3275.00

Category	Tier for reported trend	Tier for status
Public Administration	Tier 2	Tier 2
Individuals	Tier 2	Tier 2
Private companies	Tier 2	Tier 2
Communities	Tier 2	Tier 2
Other	Tier 2	Tier 2

## 18.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Public ownership	According to the Law on "Forest" of the Republic of Uzbekistan forests as natural resources are the national property and they are protected by the state. No definitions are available.	N/A
Private ownership	N/A	N/A
Unknown ownership	N/A	N/A
Management rights	The total forest fund of the Republic of Uzbekistan is distributed between the following institutions: Main Forestry Department under the Ministry of Agriculture and Water Resources of the RU, State Committee on Nature Protection, and other state institutions (Hokimiyat of Tashkent Region etc.). All the listed organizations are related to the state institutions	N/A
<b>Other general comments to the table</b>		
N/A		



## 19. How many people are directly employed in forestry?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 19.1 Categories and definitions

Category	Definition
Full-time equivalents (FTE)	A measurement equal to one person working full-time during a specified reference period.
Employment in forestry	Employment in activities related to production of goods derived from forests. This category corresponds to the ISIC/NACE Rev. 4 activity A02 (Forestry and logging).

### 19.2 National data

#### 19.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Statistical Report 1-T of the Main Forestry Department under the Ministry of Agriculture and Water Resources of the RU	1990, 2000, 2005, 2008	1990, 2000, 2005, 2008	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

#### 19.2.2 Classification and definitions

National class	Definition
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A



#### 19.2.3 Original data

<b>National classes</b>	<b>Employment (1000 person-years)</b>
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	1990	2000	2005	2008
Forestry sector and protected area management staff	5.082	6.639	6.720	7.102

### 19.3 Data

Table 19

Category		Employment (000 years FTE)			
		1990	2000	2005	2010
	Employment in forestry	4.482	6.039	6.07	7.1
	... of which female	N/A	N/A	N/A	0.3

### 19.4 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Employment in forestry	N/A	N/A

#### Other general comments to the table

Forest sector staff included directors of the forestry organizations, inspectors, specialists, protected area management specialists and all workers of the forestry organizations. There is no additional data regarding female employment

## 20. What is the contribution of forestry to Gross Domestic Product (GDP)?

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 20.1 Categories and definitions

Category	Definition
Gross value added from forestry (at basic prices)	This category corresponds to the ISIC/NACE Rev. 4 activity A02 (Forestry and logging).

### 20.2 Data

Table 20 (Pre-filled data from UNdata/EUROSTAT)

Category	Million	Currency	Year for latest available information
Gross value added from forestry (at basic prices)	N/A	N/A	N/A

### 20.3 Comments

Category	Comments
N/A	Forests in Uzbekistan plays mainly protective function. There is no study carried out in this regard.

Other general comments

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## 21. What is forest area likely to be in the future

Documents for this question:

- [Guide for country reporting FRA 2015](#)
- [FRA 2015 Terms and Definitions](#)

### 21.1 Categories and definitions

Category	Definition
Government target/aspiration for forest area	Government target/aspiration for forest area for a specific year.
Forests earmarked for conversion	Forest area that is allocated/classified or scheduled to be converted into non-forest uses.

### 21.2 National data

#### 21.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

### 21.3 Data

Table 21a

Category	Forest area (000 ha)	
	2020	2030
Government target/aspiration for forest area	3400.0	3700.0

Table 21b

Category	Forest area (000 ha)
	2013
Forests earmarked for conversion	3219

### 21.4 Comments

Category	Comments
Government target/aspiration for forest area	N/A

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Forests earmarked for conversion	N/A
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Other general comments

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