GLOBAL FOREST RESOURCES ASSESSMENT 2015

COUNTRY REPORT

Armenia

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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# TABLE OF CONTENTS

Report preparation and contact persons...............................................................................................................................4  
1. What is the area of forest and other wooded land and how has it changed over time? ................................................. 5  
2. What is the area of natural and planted forest and how has it changed over time? ..................................................... 11  
3. What are the stocks and growth rates of the forests and how have they changed? ..................................................... 15  
4. What is the status of forest production and how has it changed over time? ................................................................. 23  
5. How much forest area is managed for protection of soil and water and ecosystem services? .............................. 30  
6. How much forest area is protected and designated for the conservation of biodiversity and how has it changed over time? ................................................................................................................................................................................... 35  
7. What is the area of forest affected by woody invasive species? .................................................................................. 38  
8. How much forest area is damaged each year? ............................................................................................................ 41  
9. What is the forest area with reduced canopy cover? .................................................................................................... 45  
10. What forest policy and regulatory framework exists to support implementation of sustainable forest management SFM? .................................................................................................................................................. 46  
11. Is there a national platform that promotes stakeholder participation in forest policy development? .................... 48  
12. What is the forest area intended to be in permanent forest land use and how has it changed over time? ............... 49  
13. How does your country measure and report progress towards SFM at the national level? ...................................... 52  
14. What is the area of forest under a forest management plan and how is this monitored? ........................................ 54  
15. How are stakeholders involved in the management decision making for publicly owned forests? ....................... 56  
16. What is the area of forest under an independently verified forest certification scheme? ........................................ 57  
17. How much money do governments collect from and spend on forests? ................................................................. 59  
18. Who owns and manages the forests and how has this changed? .............................................................................. 61  
19. How many people are directly employed in forestry? ................................................................................................. 66  
20. What is the contribution of forestry to Gross Domestic Product (GDP)? ................................................................. 68  
21. What is forest area likely to be in the future ............................................................................................................... 69
Report preparation and contact persons
Contact persons
The present report was prepared by the following person(s)

<table>
<thead>
<tr>
<th>Name (FAMILY NAME, first name)</th>
<th>Institution/address</th>
<th>Email</th>
<th>Tables</th>
</tr>
</thead>
<tbody>
<tr>
<td>PETOROSYAN Ruben</td>
<td>‘‘Hayantar” SNCO, Ministry of Agriculture of RA</td>
<td><a href="mailto:ruben.armforest@gmail.com">ruben.armforest@gmail.com</a></td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Introductory Text
Place an introductory text on the content of this report

Hayantar” SNCO of the Ministry of Agriculture of the Republic of Armenia “provides for conservation, protection, reproduction, use, registration, stock taking and inventory, cadastre maintenance of forests, improvement of forest productivity and forest soil fertility, sustainable use of forest resources. It also covers the following business activities – timber harvesting, processing and marketing, growing and marketing of planting stocks, non-timber forest use (hay harvesting, animal grazing, installation of bee-hives, collection of wild fruits, nuts, mushrooms, berries, medicinal herbs and technical raw materials), as well as processing and marketing of the aforementioned bio-resources, agricultural land use for food production, processing and marketing; provision of recreation and tourism-related services, provision of consultancy services and information. The management of forest lands under supervision of “Hayantar” is performed by the Head Office (comprised of 10 departments) and 19 “Forestry” branches. The aforementioned branches are located in the Marzes of Lori, Tavush, Syunik, Kotayk, Shirak, Vayots Dzor, Gegharkunik and Aragatsotn.

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>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.</td>
</tr>
<tr>
<td>Other wooded land</td>
<td>Land not classified as &quot;Forest&quot; 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.</td>
</tr>
<tr>
<td>Other land</td>
<td>All land that is not classified as &quot;Forest&quot; or &quot;Other wooded land&quot;.</td>
</tr>
<tr>
<td>...of which with tree cover</td>
<td>Land considered as &quot;Other land&quot;, 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 both forest and non-forest tree species.</td>
</tr>
<tr>
<td>(sub-category)</td>
<td></td>
</tr>
<tr>
<td>Inland water bodies</td>
<td>Inland water bodies generally include major rivers, lakes and water reservoirs.</td>
</tr>
<tr>
<td>Forest expansion</td>
<td>Expansion of forest on land that, until then, was not defined as forest.</td>
</tr>
<tr>
<td>...of which afforestation</td>
<td>Establishment of forest through planting and/or deliberate seeding on land that, until then, was not defined as forest.</td>
</tr>
<tr>
<td>(sub-category)</td>
<td></td>
</tr>
<tr>
<td>...of which natural expansion of</td>
<td>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).</td>
</tr>
<tr>
<td>forest (sub-category)</td>
<td></td>
</tr>
<tr>
<td>Deforestation</td>
<td>The conversion of forest to other land use or the long term reduction of the tree canopy cover below the minimum 10 percent threshold.</td>
</tr>
<tr>
<td>...of which human induced</td>
<td>Human induced conversion of forest to other land use or the permanent reduction of the tree canopy cover below the minimum 10 percent threshold.</td>
</tr>
<tr>
<td>(sub-category)</td>
<td></td>
</tr>
<tr>
<td>Reforestation</td>
<td>Natural regeneration or re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.</td>
</tr>
<tr>
<td>...of which artificial</td>
<td>Re-establishment of forest through planting and/or deliberate seeding on land already in forest land use.</td>
</tr>
<tr>
<td>reforestation (sub-category)</td>
<td></td>
</tr>
</tbody>
</table>

### 1.2 National data

#### 1.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest Code of the Republic of Armenia</td>
<td>Forest cover</td>
<td>2005</td>
<td>Definitions of forest, non-forest and other related areas</td>
</tr>
</tbody>
</table>
### 1.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>Interconnected and interacting integrity of biological diversity dominated by tree-bush vegetation and of components of natural environment on forest lands or other lands allocated for afforestation with the minimal area of 0.1 ha, minimal width of 10 m and with tree crowns covering at least 30% of the area, as well as non-forested areas of previously forested forest lands. Note: The national classification does not consider the thresholds levels of the height and size of the area for including the forest fund lands into a specific category. The minimum area that is being accounted is 0.1 hectare</td>
</tr>
<tr>
<td>Forest lands</td>
<td>Forested lands and lands allocated or envisaged for flora and fauna protection, nature protection as well as non-forested lands allocated or envisaged for the running of forest economy.</td>
</tr>
<tr>
<td>Stocked (closed) forest lands</td>
<td>Stoked (closed) forest lands, occupied by young stands of trees species with the stand density of 0.4 and higher, and stands of other age groups with the stand density of 0.3 and higher, as well as land areas occupied by the bushy vegetation, where stands of trees species can be established without special forest-amelioration work.</td>
</tr>
<tr>
<td>Open (un-stocked) forest lands</td>
<td>Open (un-stocked) forest lands are not designated for forest re-establishing (clear-cut areas, burned forest areas, vanished stands, sparse stands, bare land, openings, nurseries, non-closed plantations and other).</td>
</tr>
<tr>
<td>Afforestation</td>
<td>Establishment and growing of artificial forest cultures through planting and seeding on non-forested lands as well as lands having other special-purpose significance.</td>
</tr>
</tbody>
</table>
1.2.3 Original data

<table>
<thead>
<tr>
<th>Forest area</th>
<th>Area (1000 hectares)</th>
<th>State</th>
<th>Forest Fund</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Categories</td>
<td></td>
<td>1993</td>
<td>2005</td>
</tr>
<tr>
<td>Stocked forest lands</td>
<td>334.1</td>
<td>331.6</td>
<td></td>
</tr>
<tr>
<td>Un-stocked forest lands</td>
<td>44.5</td>
<td>57.8</td>
<td></td>
</tr>
<tr>
<td>Non-forest lands</td>
<td>67.6</td>
<td>60.6</td>
<td></td>
</tr>
</tbody>
</table>

The data for 2005 correspond to the inventory and assessment of 85% of the forest lands during 2005-2008 and the remaining 15% are old data.

Non-forest lands, mainly of agricultural usage (fodder production, pastures, arable lands, rock outcrops, rocks, large areas of bare lands with high inclination, non-usable lands and other) are not designated for forest re-establishing in Armenia.

Correction of forest land areas of forest enterprises within the administrative borders of communities close to forests was implemented during 2000-2005 in Armenia. Consequently, agricultural lands in the former land balance of the forest enterprises within administrative borders were transferred to the ownership of communities. The decrease of non-forest lands between 1993 and 2005 is a result of this correction.

Forest expansion, reforestation

See final reporting table.

1.3 Analysis and processing of national data
1.3.1 Adjustment

1.1.1 Adjustment

Forest area

<table>
<thead>
<tr>
<th>Source</th>
<th>Inland water bodies</th>
<th>Total land area</th>
<th>Total country area</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAOSTAT</td>
<td>160 000 hectares</td>
<td>2 820 000 hectares</td>
<td>2 980 000 hectares</td>
</tr>
</tbody>
</table>

National data on the area of forest land were used directly. The area of other land was adjusted in order to add up to the total land area.

1.3.2 Estimation and forecasting

Forest area

Estimation and forecasting were carried out based on the 1993 and 2005 data.

<table>
<thead>
<tr>
<th>FRA 2010 categories</th>
<th>Area (1000 hectares)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>334</td>
</tr>
<tr>
<td>Other wooded land</td>
<td>45</td>
</tr>
</tbody>
</table>

1.3.3 Reclassification

Forest area

All stocked forest lands are reclassified as forests, while all un-stocked forest lands are reclassified as other wooded land.

1.4 Data

Table 1a
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>335</td>
<td>333</td>
<td>332</td>
<td>331</td>
<td>332</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other wooded land</td>
<td>41</td>
<td>52</td>
<td>58</td>
<td>63</td>
<td>63</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other land</td>
<td>2444</td>
<td>2435</td>
<td>2430</td>
<td>2426</td>
<td>2425</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which with tree cover</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Inland water bodies</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>160</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2980.00</td>
<td>2980.00</td>
<td>2980.00</td>
<td>2980.00</td>
<td>2980.00</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Table 1b

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual forest establishment / loss (000 hectares per year)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... of which of introduced species (000 hectares per year)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forest expansion</td>
<td>N/A</td>
<td>N/A</td>
<td>2</td>
<td>1.2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which afforestation</td>
<td>N/A</td>
<td>0.32</td>
<td>1.8</td>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which natural expansion of forest</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Deforestation</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which human induced</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Reforestation</td>
<td>N/A</td>
<td>1.7</td>
<td>21.3</td>
<td>6.8</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which artificial</td>
<td>N/A</td>
<td>N/A</td>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Other wooded land</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Forest expansion</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Deforestation</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Reforestation</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

Tier criteria
• Forest  
• Other wooded land  
• Afforestation  
• Reforestation  
• Natural expansion of forest  
• Deforestation

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>The national classification does not consider the thresholds levels of the height and size of the area for including the forest fund lands into a specific category. The minimum area that is being accounted is 0.1 hectare</td>
<td>N/A</td>
</tr>
<tr>
<td>Other wooded land</td>
<td>In absence of any better data, all un-stocked forest lands were reclassified as other wooded land.</td>
<td>N/A</td>
</tr>
<tr>
<td>Other land</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Other land with tree cover</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Inland water bodies</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Forest expansion</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Deforestation</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Reforestation</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments to the table

The serious (big) differences of the national land fund classifications and the FRA classification applied to forest and other wooded land, as well as the lack of national definitions and data/information on a number of categories of forests and other wooded land, created a difficulty in compiling the data for this table. Nevertheless, the most important issue is the non-controlled (illegal) cuttings, which have taken place in the Republic of Armenia since the State Forest Account 1993, and the following years, which led to the basic changes in forest ecosystems. All the logic of the forestry developments were disturbed and, taking into account that during the last 12 years there were not any forest assessment/inventory, monitoring and evaluation of the forest condition in the Republic, it was difficult to provide the reliable estimation of the status and forecasting. However, forest management planning process has started from 2004 and by the end of 2015 we will have forest management plans for all forest enterprises and complete data on forest resources.
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

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naturally regenerated forest</td>
<td>Forest predominantly composed of trees established through natural regeneration.</td>
</tr>
<tr>
<td>Naturalized introduced species</td>
<td>Other naturally regenerated forest where the tree species are predominantly non-native and do not need human help to reproduce/maintain populations over time.</td>
</tr>
<tr>
<td>Introduced species</td>
<td>A species, subspecies or lower taxon occurring outside 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).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary forest</td>
<td>Naturally regenerated forest of native species where there are no clearly visible indications of human activities and the ecological processes are not significantly disturbed.</td>
</tr>
<tr>
<td>Other naturally regenerated forest</td>
<td>Naturally regenerated forest where there are clearly visible indications of human activities.</td>
</tr>
<tr>
<td>...of which of introduced species (sub-category)</td>
<td>Other naturally regenerated forest where the trees are predominantly of introduced species.</td>
</tr>
<tr>
<td>...of which naturalized (sub-sub category)</td>
<td>Other naturally regenerated forest where the trees are predominantly of naturalized introduced species.</td>
</tr>
<tr>
<td>Planted forest</td>
<td>Forest predominantly composed of trees established through planting and/or deliberate seeding.</td>
</tr>
<tr>
<td>...of which of introduced species (sub-category)</td>
<td>Planted forest where the planted/seeded trees are predominantly of introduced species.</td>
</tr>
<tr>
<td>Mangroves</td>
<td>Area of forest and other wooded land with mangrove vegetation.</td>
</tr>
<tr>
<td>...of which planted (sub-category)</td>
<td>Mangroves predominantly composed of trees established through planting.</td>
</tr>
</tbody>
</table>

### 2.2 National data

#### 2.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Forest Code</td>
<td>Ownership classification</td>
<td>2005</td>
<td>Forests and forest lands can be under state, community and private ownership and shall not be subject to alienation to communities, legal persons and citizens.</td>
</tr>
<tr>
<td>2 By-laws</td>
<td>Ownership</td>
<td>2005-2013</td>
<td>N/A</td>
</tr>
</tbody>
</table>
2.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>State ownership</td>
<td>State forests and forest lands</td>
</tr>
<tr>
<td>Private ownership</td>
<td>The forest established on the lands owned by communities, legal persons and citizens by their owners shall be regarded as their property.</td>
</tr>
<tr>
<td>Communal ownership</td>
<td>The forest established on the lands owned by communities, legal persons and citizens by their owners shall be regarded as their property.</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

2.2.3 Original data

Expert assessment of primary forest area (assumed to be 5% of total forest area) and partial data and expert assessment of planted forest area see final reporting table. Remaining forest area is considered other naturally regenerated forest.

2.3 Analysis and processing of national data

2.3.1 Adjustment

2.3.2 Estimation and forecasting

2.3.3 Reclassification

2.4 Data

Table 2a

<table>
<thead>
<tr>
<th>Categories</th>
<th>Forest area (000 hectares)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary forest</td>
<td>17</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Other naturally regenerated forest</td>
<td>304</td>
</tr>
<tr>
<td>... of which of introduced species</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which naturalized</td>
<td>N/A</td>
</tr>
<tr>
<td>Planted forest</td>
<td>14</td>
</tr>
<tr>
<td>... of which of introduced species</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>335.00</td>
</tr>
</tbody>
</table>

Table 2b

<table>
<thead>
<tr>
<th>Primary forest converted to (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990-2000</td>
</tr>
<tr>
<td>2000-2010</td>
</tr>
<tr>
<td>2010-2015</td>
</tr>
<tr>
<td>Other natural regeneration</td>
</tr>
<tr>
<td>Planted</td>
</tr>
<tr>
<td>Other land</td>
</tr>
<tr>
<td>Other natural regeneration</td>
</tr>
<tr>
<td>Planted</td>
</tr>
<tr>
<td>Other land</td>
</tr>
<tr>
<td>N/A</td>
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<td>N/A</td>
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<tr>
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<tr>
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Table 2c

<table>
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<tr>
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<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mangroves (forest and OWL)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which planted</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary forest</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Other naturally regenerated</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Planted forest</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Mangroves</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

Tier Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
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</thead>
</table>
### 2.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary forest</td>
<td>Expert estimate, assumed to be 5% of total forest area.</td>
<td>N/A</td>
</tr>
<tr>
<td>Other naturally regenerating forest</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Planted forest</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Mangroves</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments to the table

N/A
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growing stock</td>
<td>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.</td>
</tr>
<tr>
<td>Net Annual Increment (NAI)</td>
<td>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 &quot;Growing stock&quot;.</td>
</tr>
<tr>
<td>Above-ground biomass</td>
<td>All living biomass above the soil including stem stump branches bark seeds and foliage.</td>
</tr>
<tr>
<td>Below-ground biomass</td>
<td>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.</td>
</tr>
<tr>
<td>Dead wood</td>
<td>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.</td>
</tr>
<tr>
<td>Carbon in above-ground biomass</td>
<td>Carbon in all living biomass above the soil including stem stump branches bark seeds and foliage.</td>
</tr>
<tr>
<td>Carbon in below-ground biomass</td>
<td>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.</td>
</tr>
<tr>
<td>Carbon in dead wood</td>
<td>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.</td>
</tr>
<tr>
<td>Carbon in litter</td>
<td>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.</td>
</tr>
<tr>
<td>Soil carbon</td>
<td>Organic carbon in mineral and organic soils (including peat) to a soil depth of 30 cm.</td>
</tr>
</tbody>
</table>

### 3.2 National data

#### 3.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Simultaneous State Forest Account</td>
<td>Forest and OWL areas</td>
<td>1983, 1988</td>
<td>Information about State Forest Fund</td>
</tr>
<tr>
<td>2 Forestry Management Planning Project</td>
<td>Forest and OWL areas</td>
<td>2004-2008</td>
<td>N/A</td>
</tr>
<tr>
<td>3 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
3.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growing stock</td>
<td>Volume of living stem wood in cubic meters of all trees in the stand</td>
</tr>
<tr>
<td>Commercial growing stock</td>
<td>Defined as the part of the growing stock available for wood supply (exploitation) – there is no official (legal /juridical) definition of “Commercial growing stock” in the country (see comments below)</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Growing stock</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3.2.3 Original data

**Growing stock**

Total growing stock on forest: 41 740 000 m³ (data for 1993) and 40 670 000 m³ for 2005.

For other wooded land, an expert estimate of 800 000 m³ has been used for all reporting years.

<table>
<thead>
<tr>
<th>FRA Categories / Species name</th>
<th>Growing Stock in Forests</th>
<th>Percentage share</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(million cubic meters)</td>
<td>(million cubic meters)</td>
</tr>
<tr>
<td></td>
<td>1993</td>
<td>2005</td>
</tr>
<tr>
<td><em>Fagus orientalis</em></td>
<td>20.68</td>
<td>20.52</td>
</tr>
<tr>
<td><em>Quercus macranthera</em></td>
<td>12.54</td>
<td>11.3</td>
</tr>
<tr>
<td><em>Carpinus caucasica</em></td>
<td>6.00</td>
<td>6.40</td>
</tr>
<tr>
<td><em>Pinus silvestris</em></td>
<td>0.61</td>
<td>0.60</td>
</tr>
<tr>
<td><em>Carpinus orientalis</em></td>
<td>0.45</td>
<td>0.45</td>
</tr>
<tr>
<td><em>Juniperus oblonga</em></td>
<td>0.16</td>
<td>0.17</td>
</tr>
<tr>
<td><em>Populus</em></td>
<td>0.31</td>
<td>0.28</td>
</tr>
<tr>
<td><em>Tilia cordata</em></td>
<td>0.24</td>
<td>0.15</td>
</tr>
</tbody>
</table>
### Biomass stock

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

### Carbon stock

Data on biomass stocks were used for estimating carbon in biomass. Forest area from Question 1 was used for estimating carbon in litter and soil.

### 3.3 Analysis and processing of national data

#### 3.3.1 Adjustment

#### 3.3.2 Estimation and forecasting

#### 3.3.3 Reclassification

### 3.4 Data

Table 3a

<table>
<thead>
<tr>
<th>Category</th>
<th>Growing stock volume (million m$^3$ over bark)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forest</td>
</tr>
<tr>
<td><em>Fraxinus excelsior</em></td>
<td>0.10</td>
</tr>
<tr>
<td><em>Acer tataricum</em></td>
<td>0.14</td>
</tr>
<tr>
<td>Remainder of species</td>
<td>0.51</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>41.74</strong></td>
</tr>
</tbody>
</table>
### Table 3b

<table>
<thead>
<tr>
<th>Category/Species name</th>
<th>Growing stock in forest (million cubic meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rank</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Total growing stock</td>
<td>1 st</td>
</tr>
<tr>
<td>... of which coniferous</td>
<td>2 nd</td>
</tr>
<tr>
<td></td>
<td>3 rd</td>
</tr>
<tr>
<td></td>
<td>4 th</td>
</tr>
<tr>
<td></td>
<td>5 th</td>
</tr>
<tr>
<td></td>
<td>6 th</td>
</tr>
<tr>
<td></td>
<td>7 th</td>
</tr>
<tr>
<td></td>
<td>8 th</td>
</tr>
<tr>
<td></td>
<td>9 th</td>
</tr>
<tr>
<td></td>
<td>10 th</td>
</tr>
<tr>
<td>Remaining</td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
<th>Complementary information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum diameter (cm) at breast height of trees included in growing stock (X)</td>
<td>4 cm</td>
<td>N/A</td>
</tr>
<tr>
<td>Minimum diameter (cm) at the top end of stem for calculation of growing stock (Y)</td>
<td>N/A</td>
<td>There are no limits</td>
</tr>
<tr>
<td>Minimum diameter (cm) of branches included in growing stock (W)</td>
<td>3 cm</td>
<td>N/A</td>
</tr>
</tbody>
</table>
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**

<table>
<thead>
<tr>
<th>Category</th>
<th>Net annual increment (m$^3$ per hectare and year)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forest</td>
</tr>
<tr>
<td>Net annual increment</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which coniferous</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which broadleaved</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Table 3d**

<table>
<thead>
<tr>
<th>Category</th>
<th>Biomass (million metric tonnes oven-dry weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forest</td>
</tr>
<tr>
<td>Above ground biomass</td>
<td>27.7</td>
</tr>
<tr>
<td>Below ground biomass</td>
<td>6.38</td>
</tr>
<tr>
<td>Dead wood</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>34.08</td>
</tr>
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</table>

**Table 3e**

<table>
<thead>
<tr>
<th>Category</th>
<th>Carbon (Million metric tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forest</td>
</tr>
<tr>
<td>Variable/category</td>
<td>Tier for status</td>
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<tr>
<td>-------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Total growing stock</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Net annual increment</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Above ground biomass</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Below ground biomass</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Dead wood</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Carbon in above-ground biomass</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Carbon in below ground biomass</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Carbon in dead wood and litter</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Soil carbon</td>
<td>Tier 1</td>
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</table>

Tier criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
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Tiers

<table>
<thead>
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<th>Tier for trend</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Tier for status</th>
<th>Tier for trend</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Tier for status</th>
<th>Tier for trend</th>
</tr>
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<tr>
<td>Category</td>
<td>Comments related to data definitions etc</td>
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<td>----------------------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>Total growing stock</td>
<td>N/A</td>
</tr>
<tr>
<td>Growing stock of broadleaved coniferous</td>
<td>N/A</td>
</tr>
<tr>
<td>Growing stock composition</td>
<td>N/A</td>
</tr>
<tr>
<td>Net annual increment</td>
<td>N/A</td>
</tr>
<tr>
<td>Above-ground biomass</td>
<td>N/A</td>
</tr>
<tr>
<td>Below-ground biomass</td>
<td>N/A</td>
</tr>
<tr>
<td>Dead wood</td>
<td>N/A</td>
</tr>
<tr>
<td>Carbon in above-ground biomass</td>
<td>N/A</td>
</tr>
<tr>
<td>Carbon in below-ground biomass</td>
<td>N/A</td>
</tr>
<tr>
<td>Carbon in dead wood</td>
<td>N/A</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----</td>
</tr>
<tr>
<td>Carbon in litter</td>
<td>N/A</td>
</tr>
<tr>
<td>Soil carbon</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Other general comments to the table**

For the last 12 years, during 1993-2000 on about 75% of forest areas of the Republic of Armenia, Fellings/Cutting have exceeded for more than 10 times the Allowable Annual Cut. The last forest management planning on the territory of the Republic (as a whole) was implemented in 2004-2008, and the Forest Fund Account - in 1993. # The background quantitative and qualitative changes have happened in forests, especially as far as the growing stock and species distribution is concerned # The reliable information is available only for the 250 thousand hectares of the of the territory of the Republic, where the forest management planning was implemented in 2000-2007 # The lack of a legal/juridical definition of #Commercial growing stock# is a serious shortcoming # The years 1988 and 1993 were taken as the basic years for the calculation of Growing Stock, and the volume data for 1990 were defined by the linear interpolation method # For the estimation of data for 2000-2005, there were taken the international experts# assumption, that the population of the Republic had used in 1993-1994-1995, as wood-fuel, some 1 (one) million cubic meters of wood annually. This assumption corresponds also to the estimates of local experts and specialists. # During the reporting years, there were no any taking out the wood from the Republic, or importing wood into the country. # The research of the illegal logging in 2002-2004, supported financially by the international bank, has shown that only in 2003 there were taken out of forests 847 thousand m3 of industrial wood and wood fuel, of which only 63 thousand m3 were legally documented. # The Net Annual Increment of forests (State Forest Fund Account, 1993) is 440 thousand m3.
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

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary designated function</td>
<td>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.</td>
</tr>
<tr>
<td>Non wood forest product (NWFP)</td>
<td>Goods derived from forests that are tangible and physical objects of biological origin other than wood.</td>
</tr>
<tr>
<td>Commercial value of NWFP</td>
<td>For the purpose of this table, value is defined as the commercial market value at the forest gate.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production forest</td>
<td>Forest area designated primarily for production of wood, fibre, bio-energy and/or non-wood forest products.</td>
</tr>
<tr>
<td>Multiple use forest</td>
<td>Forest area designated for more than one purpose and where none of these alone is considered as the predominant designated function.</td>
</tr>
<tr>
<td>Total wood removals</td>
<td>The total of industrial round wood removals and woodfuel removals.</td>
</tr>
<tr>
<td>...of which woodfuel</td>
<td>The wood removed for energy production purposes, regardless whether for industrial, commercial or domestic use.</td>
</tr>
</tbody>
</table>

4.2 National data

4.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Forest Code of RA</td>
<td>Forest and OWL areas</td>
<td>2005</td>
<td>N/A</td>
</tr>
<tr>
<td>3 Forest Management Plans for Forest Enterprises and National Parks</td>
<td>Forest cover, forest indices</td>
<td>2004-2008</td>
<td>Information about State Forest Lands</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

4.2.2 Classification and definitions
Forests of special significance include: a) forests included in the specially protected areas of nature; b) municipal forests and forests located close to cities; c) forests of recreational and health protection significance; d) border forests and forests of military significance; e) forests having historical and scientific value; f) forests protecting sanitary zones.

Forests of production significance are the forests ensuring continuous wood production and those not classified as forests of special and protection significance.

<table>
<thead>
<tr>
<th>National Categories / Designated functions</th>
<th>Forests</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1993</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>1000 ha</td>
<td>1000 ha</td>
</tr>
<tr>
<td>Forests implementing primarily protective functions</td>
<td>217.4</td>
<td>216.3</td>
</tr>
<tr>
<td>of which:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- protective forest belts along railways and auto-roads</td>
<td>4</td>
<td>3.8</td>
</tr>
<tr>
<td>- other protective forest belts</td>
<td>1.2</td>
<td>1.1</td>
</tr>
</tbody>
</table>
Forests of important function for the protection of the environment

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>212.2</td>
<td>211.3</td>
<td>218.2</td>
</tr>
</tbody>
</table>

Forests implementing primarily social functions

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>75.7</td>
<td>74.3</td>
<td>75.5</td>
</tr>
</tbody>
</table>

Forests implementing primarily special functions

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>60.7</td>
<td>60.4</td>
<td>60.4</td>
</tr>
</tbody>
</table>

TOTAL

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>353.8</td>
<td>351</td>
<td>359</td>
</tr>
</tbody>
</table>

Note: According to the Forest Code of 2005, the forests of the Republic of Armenia irrespective of the form of ownership shall be classified by their main special-purpose significance as follows:

1. forests of protection significance;
2. forests of special significance;
3. forests of production significance.

The order of forest classification by main special-purpose significance shall be determined by the Government of the Republic of Armenia.

### 4.3 Analysis and processing of national data

#### 4.3.1 Adjustment

The totals of the original data are substantially different from the total forest area as of Question 1. They were therefore calibrated in order to add up to the forest total. The data for 1993 were calibrated to the 1990 total in order to directly provide data for 1990. Likewise, the 2008 data were calibrated to the 2010 total to provide data for 2010.
### Production function

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>68.2</td>
<td>68.2</td>
</tr>
<tr>
<td>Protective</td>
<td>205.7</td>
<td>205.0</td>
<td>206.1</td>
<td>133</td>
<td></td>
</tr>
<tr>
<td>Social</td>
<td>71.6</td>
<td>70.4</td>
<td>69.7</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Special functions</td>
<td>57.4</td>
<td>57.2</td>
<td>55.8</td>
<td>130.4</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>334.7</td>
<td>332.6</td>
<td>331.6</td>
<td>331.6</td>
<td></td>
</tr>
</tbody>
</table>

### 4.3.2 Estimation and forecasting

### 4.3.3 Reclassification

The special functions contain a number of different functions, but the available data do not allow for separate them into the different FRA categories. They are therefore reported as Multiple use, although they in part may have clearly defined specific functions.

### 4.4 Data

#### Table 4a

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Production forest</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>68.2</td>
<td>68.2</td>
</tr>
<tr>
<td>Multiple use forest</td>
<td>59.5</td>
<td>52.3</td>
<td>47.6</td>
<td>133</td>
<td>133</td>
</tr>
</tbody>
</table>

#### Table 4b

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name of product</th>
<th>Key species</th>
<th>Commercial value of NWFP removals 2010 (value 1000 local currency)</th>
<th>NWFP category</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 st</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2 nd</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3 rd</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>---</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>5 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>6 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>7 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>8 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>9 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>10 th</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>TOTAL</td>
<td>.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2010

<table>
<thead>
<tr>
<th>Name of local currency</th>
<th>AMD</th>
</tr>
</thead>
</table>

### Category

#### Plant products / raw material

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

#### Animal products / raw material

9. Living animals
10. Hides skins and trophies
11. Wild honey and beewax
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

<table>
<thead>
<tr>
<th>Year</th>
<th>FRA 2015 category (1000 m$^3$ u.b.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total wood removals</td>
</tr>
<tr>
<td>1990</td>
<td>35.2</td>
</tr>
<tr>
<td>1991</td>
<td>0</td>
</tr>
<tr>
<td>1992</td>
<td>0</td>
</tr>
<tr>
<td>1993</td>
<td>0</td>
</tr>
<tr>
<td>1994</td>
<td>0</td>
</tr>
<tr>
<td>1995</td>
<td>0</td>
</tr>
<tr>
<td>1996</td>
<td>0</td>
</tr>
<tr>
<td>1997</td>
<td>62.2</td>
</tr>
<tr>
<td>1998</td>
<td>0</td>
</tr>
<tr>
<td>1999</td>
<td>0</td>
</tr>
<tr>
<td>2000</td>
<td>72.2</td>
</tr>
<tr>
<td>2001</td>
<td>62.2</td>
</tr>
<tr>
<td>2002</td>
<td>68.9</td>
</tr>
<tr>
<td>2003</td>
<td>75.6</td>
</tr>
<tr>
<td>2004</td>
<td>75</td>
</tr>
<tr>
<td>2005</td>
<td>54.1</td>
</tr>
<tr>
<td>2006</td>
<td>60.3</td>
</tr>
<tr>
<td>2007</td>
<td>45.2</td>
</tr>
<tr>
<td>2008</td>
<td>38.6</td>
</tr>
<tr>
<td>2009</td>
<td>51.4</td>
</tr>
<tr>
<td>2010</td>
<td>38.5</td>
</tr>
</tbody>
</table>
### Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production forest</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Multiple use forest</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

### Tier Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production forest/Multiple use forest</td>
<td>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</td>
<td>Tier 3 : Estimate based on repeated compatible tiers 3 (tier for status) Tier 2 : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) Tier 1 : Other</td>
</tr>
</tbody>
</table>

### 4.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production forest</td>
<td>Production was introduced as a separate category in the Forest code 2005, and reported first time in 2010.</td>
<td>For the period 1990-2005 production was not a separate category.</td>
</tr>
<tr>
<td>Multiple use forest</td>
<td>Includes: -forests included in the specially protected areas of nature; -municipal forests and forests located close to cities; -forests of recreational and health protection significance; -border forests and forests of military significance; -forests having historical and scientific value; -forests protecting sanitary zones.</td>
<td>N/A</td>
</tr>
<tr>
<td>Total wood removals</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Commercial value of NWFP</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Other general comments to the table

Breaking down forests by the designation function categories and corresponding areas was provided on the basis of the Forest Code of the Republic of Armenia (1994), and the results of the State Forest Fund Account (1993). Despite the suggested breakdown, all forests in Armenia (as a whole), bear the protective functions, taking into account the mountainous landscape, strong relief fragmentation, and the danger of the erosion, as well as the function of the conservation of biodiversity, which is also very important. The Table in the section 3.4 shows the percentage of other specific functions, which are being implemented, additionally to the primary function with regard to the total area. Due to the above-described situation, the main cuttings are forbidden on the total forest land of Armenia, according to the Governmental decision. In fact, there are no sufficient areas for the main cuttings, but still some small plots may correspond to demands of commercial fellings. The reforestation is planned in the high-forest areas of Armenia available for wood supply, which are estimated as of 67,4 thousand hectares.
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

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

5.2 National data

5.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Simultaneous State Forest Account</td>
<td>Forest and OWL</td>
<td>1983,</td>
<td>Information about State</td>
</tr>
<tr>
<td>1993 of the Republic of Armenia,</td>
<td>areas</td>
<td>1988</td>
<td>Forest Fund</td>
</tr>
<tr>
<td>Yerevan 1993</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forests of protection significance</td>
<td>Forests of protection significance include: a) forests in the water protection zones of water bodies; b) forests located on steep slopes (more than 30 degree); c) forest belt with the width of 200 m on the upper and lower timberline; d) forests growing in semi-desert, steppe and forest-steppe areas; e) forests within the radius of 100 m surrounding botanical gardens, zoological parks and arboretums</td>
</tr>
<tr>
<td>Forests of special significance</td>
<td>Forests of special significance include: a) forests included in the specially protected areas of nature; b) municipal forests and forests located close to cities; c) forests of recreational and health protection significance; d) border forests and forests of military significance; e) forests having historical and scientific value; f) forests protecting sanitary zones.</td>
</tr>
<tr>
<td>Forests of production significance</td>
<td>Forests of production significance are the forests ensuring continuous wood production and those not classified as forests of special and protection significance.</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

5.2.3 Original data

5.3 Analysis and processing of national data

5.3.1 Adjustment

5.3.2 Estimation and forecasting

5.3.3 Reclassification

5.4 Data

Table 5a
### Table 5b

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of soil and water</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which production of clean water</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which coastal stabilization</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which desertification control</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which avalanche control</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which erosion, flood protection or reducing flood risk</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>... of which other (please specify in comments below the table)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Ecosystem services, cultural or spiritual values**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecosystem services, cultural or spiritual values</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>...of which public recreation</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>...of which carbon storage or sequestration</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>...of which spiritual or cultural services</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
...of which other (please specify in comments below the table) | N/A | N/A | N/A | N/A | N/A

### Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for reported trend</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of soil and water</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ecosystem services, cultural or spiritual values</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Tier criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of soil and water</td>
<td>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</td>
<td>Tier 3 : Estimate based on repeated compatible tiers 3 (tier for status) Tier 2 : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) Tier 1 : Other</td>
</tr>
</tbody>
</table>

- Cultural or spiritual values
- Public recreation
- Spiritual or cultural services
- Other

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

**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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation of biodiversity</td>
<td>Forest area designated primarily for conservation of biological diversity. Includes but is not limited to areas designated for biodiversity conservation within the protected areas.</td>
</tr>
<tr>
<td>Forest area within protected areas</td>
<td>Forest area within formally established protected areas independently of the purpose for which the protected areas were established.</td>
</tr>
</tbody>
</table>

### 6.2 National data

#### 6.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Simultaneous State Forest Account</td>
<td>Forest and OWL areas</td>
<td>1983, 1988</td>
<td>Information about State Forest Fund</td>
</tr>
<tr>
<td>2 Forest Code of RA</td>
<td>Forest and OWL areas</td>
<td>2005</td>
<td>N/A</td>
</tr>
<tr>
<td>3 Forest Management Plans</td>
<td>Forest cover, forest indices</td>
<td>2004-2008</td>
<td>Information about State Forest Lands</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 6.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 6.2.3 Original data

See 4.2.3.
6.3 Analysis and processing of national data

6.3.1 Adjustment

See 4.3.1.

6.3.2 Estimation and forecasting

6.3.3 Reclassification

See 4.3.3.

6.4 Data

Table 6

<table>
<thead>
<tr>
<th>Categories</th>
<th>Forest area (000 hectares)</th>
<th>1990</th>
<th>2000</th>
<th>2005</th>
<th>2010</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation of biodiversity</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Forest area within protected areas</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation of biodiversity</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Forest area within protected areas</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

Tier criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation of biodiversity</td>
<td>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</td>
</tr>
<tr>
<td>Forests within protected areas</td>
<td>Tier 3: Estimate based on repeated compatible tiers 3 (tier for status) Tier 2 : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) Tier 1 : Other</td>
</tr>
</tbody>
</table>

6.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conservation of biodiversity</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Forest area within protected areas</td>
<td>Protected areas are included under Multiple use.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Other general comments to the table**

Breaking down forests by the designation function categories and corresponding areas was provided on the basis of the Forest Code of the Republic of Armenia (1994), and the results of the State Forest Fund Account (1993). Despite the suggested breakdown, all forests in Armenia (as a whole), bear the protective functions, taking into account the mountainous landscape, strong relief fragmentation, and the danger of the erosion, as well as the function of the conservation of biodiversity, which is also very important. The Table in the section 3.4 shows the percentage of other specific functions, which are being implemented, additionally to the primary function with regard to the total area. Due to the above-described situation, the main cuttings are forbidden on the total forest land of Armenia, according to the Governmental decision. In fact, there are no sufficient areas for the main cuttings, but still some small plots may correspond to demands of commercial fellings. The reforestation is planned in the high-forest areas of Armenia available for wood supply, which are estimated as of 67,4 thousand hectares.
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invasive species</td>
<td>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.</td>
</tr>
</tbody>
</table>

7.2 National data

7.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

7.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Scientific name of woody invasive species</th>
<th>Forest area affected (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2005</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Tiers**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invasive species</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

**Tier Criteria**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invasive species</td>
<td>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</td>
<td>Tier 3 : Estimate based on repeated compatible tiers 3 (tier for status) Tier 2 : Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) Tier 1 : Other</td>
</tr>
</tbody>
</table>

### 7.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invasive species</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

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

### 8.2 National data

#### 8.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 National Statistical Service of the Republic of Armenia, Yearbook</td>
<td>Forest disturbances by fire</td>
<td>1998- 2003</td>
<td>Partial coverage</td>
</tr>
<tr>
<td>2 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

#### 8.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
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</tr>
<tr>
<td>N/A</td>
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</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
8.2.3 Original data

8.3 Analysis and processing of national data
8.3.1 Adjustment

8.3.2 Estimation and forecasting

8.3.3 Reclassification

8.4 Data

Table 8a

<table>
<thead>
<tr>
<th>Category</th>
<th>000 ha</th>
<th>#</th>
<th>000 ha</th>
<th>#</th>
<th>000 ha</th>
<th>#</th>
<th>000 ha</th>
<th>#</th>
<th>000 ha</th>
<th>#</th>
<th>000 ha</th>
<th>#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total land area burned</td>
<td>3.9</td>
<td>4</td>
<td>0.0135</td>
<td>2</td>
<td>0.0454</td>
<td>10</td>
<td>0.3336</td>
<td>10</td>
<td>0.0125</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... of which forest area burned</td>
<td>0.4</td>
<td>N/A</td>
<td>0.0015</td>
<td>N/A</td>
<td>0.0201</td>
<td>N/A</td>
<td>0.2992</td>
<td>N/A</td>
<td>0.0125</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>2008</th>
<th></th>
<th>2009</th>
<th></th>
<th>2010</th>
<th></th>
<th>2011</th>
<th></th>
<th>2012</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total land area burned</td>
<td>0.019</td>
<td>9</td>
<td>18.7</td>
<td>17</td>
<td>0.8106</td>
<td>50</td>
<td>0.4723</td>
<td>56</td>
<td>0.2235</td>
<td>63</td>
</tr>
<tr>
<td>... of which forest area burned</td>
<td>0.0152</td>
<td>N/A</td>
<td>0.0075</td>
<td>N/A</td>
<td>0.7751</td>
<td>N/A</td>
<td>0.4212</td>
<td>N/A</td>
<td>0.1708</td>
<td>N/A</td>
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</table>

Table 8b

<table>
<thead>
<tr>
<th>Outbreak category</th>
<th>Description/name</th>
<th>Year(s) of latest outbreak</th>
<th>Area damaged (000 hectares)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier</td>
<td>Category</td>
<td>Year</td>
<td>Rate</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------</td>
<td>--------</td>
<td>------</td>
</tr>
<tr>
<td>1</td>
<td>Common lackey (Malacosoma neustria L.)</td>
<td>2007</td>
<td>24.7</td>
</tr>
<tr>
<td>1</td>
<td>Brown-tail moth (Euproctis chrysorrhoea L)</td>
<td>2008</td>
<td>7.7</td>
</tr>
<tr>
<td>1</td>
<td>Brown-tail moth (Euproctis chrysorrhoea L)</td>
<td>2007</td>
<td>4.9</td>
</tr>
<tr>
<td>2</td>
<td>Oak mildew (microshaera alphitoides)</td>
<td>2012</td>
<td>3.5</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
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<tr>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

**Outbreak category**

1 Insects

2 Diseases

3 Severe weather events

**Tiers**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area affected by fire</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>• Insects</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>• Diseases</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>• Severe weather events</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

**Tier criteria**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burned area</td>
<td><strong>Tier 3</strong>: National fire monitoring routines</td>
<td><strong>Tier 3</strong>: Estimate based on repeated compatible tiers 3 (tier for status) <strong>Tier 2</strong>: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <strong>Tier 1</strong>: Other</td>
</tr>
<tr>
<td>• Insects</td>
<td><strong>Tier 3</strong>: Systematic survey (e.g. via inventory or aerial damage assessment)</td>
<td><strong>Tier 3</strong>: Estimate based on repeated compatible tiers 3 (tier for status) <strong>Tier 2</strong>: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <strong>Tier 1</strong>: Other</td>
</tr>
<tr>
<td>• Diseases</td>
<td><strong>Tier 2</strong>: Management records <strong>Tier 1</strong>: Other</td>
<td><strong>Tier 3</strong>: Estimate based on repeated compatible tiers 3 (tier for status) <strong>Tier 2</strong>: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <strong>Tier 1</strong>: Other</td>
</tr>
<tr>
<td>• Severe weather events</td>
<td><strong>Tier 3</strong>: Systematic survey (e.g. via inventory or aerial damage assessment)</td>
<td><strong>Tier 3</strong>: Estimate based on repeated compatible tiers 3 (tier for status) <strong>Tier 2</strong>: Estimate based on repeated compatible tier 2 or combination tier 3 and 2 or 1 (tier for status) <strong>Tier 1</strong>: Other</td>
</tr>
</tbody>
</table>
### 8.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burned area</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Insects</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Diseases</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Severe weather events</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction in canopy cover</td>
<td>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.</td>
</tr>
</tbody>
</table>

Table 9

<table>
<thead>
<tr>
<th>Category</th>
<th>Area of forest with reduced canopy cover (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction in canopy cover</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction in canopy cover</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

Tier criteria

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

Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction in canopy cover</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policies supporting sustainable forest management</td>
<td>Policies or strategies that explicitly encourage sustainable forest management.</td>
</tr>
<tr>
<td>Legislation and regulations supporting sustainable forest management</td>
<td>Legislation and regulations that govern and guide sustainable forest management, operations and use.</td>
</tr>
</tbody>
</table>

### 10.2 National data

#### 10.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Forest Code of the RA</td>
<td>N/A</td>
<td>2005</td>
<td>N/A</td>
</tr>
<tr>
<td>2 National Forest Policy and Strategy of RA</td>
<td>Institutions and forest legislation</td>
<td>2005</td>
<td>N/A</td>
</tr>
<tr>
<td>3 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 10.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest policy statement with national scope</td>
<td>A document describing the strategic ways for rehabilitation of degraded forest ecosystems, sustainable use, and development processes of useful properties of the forest.</td>
</tr>
<tr>
<td>National forest programme</td>
<td>Program of activities aimed at supporting protection and sustainable use of forest resources at local, national and global levels by stimulating national and international cooperation to manage, protect and rehabilitate forest resources and soil for the benefits of present and future generations</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
10.2.3 Original data

10.3 Data

Table 10

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

10.4 Comments

<table>
<thead>
<tr>
<th>Variable / category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policies supporting sustainable forest management</td>
<td>N/A</td>
</tr>
<tr>
<td>Legislation and regulations supporting sustainable forest management</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>National stakeholder platform</td>
<td>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.</td>
</tr>
</tbody>
</table>

### 11.2 National data

#### 11.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Table 11

| Is there a national platform that promotes or allows for stakeholder participation in forest policy development? | yes |

### 11.3 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>National stakeholder platform</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area intended to be in permanent forest land use</td>
<td>Forest area that is designated or expected to be retained as forest and is highly unlikely to be converted to other land use.</td>
</tr>
<tr>
<td>...of which permanent forest estate (subcategory)</td>
<td>Forest area that is designated by law or regulation to be retained as forest and may not be converted to other land use.</td>
</tr>
</tbody>
</table>

### 12.2 National data

#### 12.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Forest Code of RA</td>
<td>Forest and OWL areas</td>
<td>2005</td>
<td>N/A</td>
</tr>
<tr>
<td>3 Forest Management Plans for Forest Enterprises and National Parks</td>
<td>Forest cover, forest indices</td>
<td>2004-2008</td>
<td>Information about State Forest Lands</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 12.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forests of protection significance</td>
<td>Forests of protection significance include: a) forests in the water protection zones of water bodies; b) forests located on steep slopes (more than 30 degree); c) forest belt with the width of 200 m on the upper and lower timberline; d) forests growing in semi-desert, steppe and forest-steppe areas; e) forests within the radius of 100 m surrounding botanical gardens, zoological parks and arboretums.</td>
</tr>
<tr>
<td>Forests of special significance</td>
<td>Forests of special significance include: a) forests included in the specially protected areas of nature; b) municipal forests and forests located close to cities; c) forests of recreational and health protection significance; d) border forests and forests of military significance; e) forests having historical and scientific value; f) forests protecting sanitary zones.</td>
</tr>
</tbody>
</table>
Forests of production significance are the forests ensuring continuous wood production and those not classified as forests of special and protection significance.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Forest area 2010 (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area intended to be in permanent forest land use</td>
<td>369.1</td>
</tr>
<tr>
<td>... of which permanent forest estate</td>
<td>331</td>
</tr>
</tbody>
</table>

**Tiers**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area intended to be in permanent forest land use</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Permanent forest estate</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

**Tier Criteria**

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area intended to be in permanent forest land use</td>
<td>Tier 3: National or sub-national land use plans strategy documents or other reports within the past 10 years Tier 2: National or sub-national land use plans strategy documents or other reports within the past 20 years Tier 1: Other</td>
</tr>
</tbody>
</table>
### Tier 3
National or sub-national land use plans strategy documents or other reports within the past 10 years

### Tier 2
National or sub-national land use plans strategy documents or other reports within the past 20 years

### Tier 1
Other

## 12.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area intended to be in permanent forest land use</td>
<td>N/A</td>
</tr>
<tr>
<td>Permanent forest estate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

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

### 13.2 National data

#### 13.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 13.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 13.3 Data

Table 13a
### Table 13b

<table>
<thead>
<tr>
<th>Type of forest reporting used at national scale</th>
<th>Check boxes that apply</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Criteria and Indicators reporting</td>
<td>no</td>
</tr>
<tr>
<td>2 Periodic national state of the forest report</td>
<td>yes</td>
</tr>
<tr>
<td>3 Other (please document)</td>
<td>yes</td>
</tr>
<tr>
<td>4 None</td>
<td></td>
</tr>
</tbody>
</table>

#### Other type of forest reporting

N/A

### 13.4 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

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

### 14.2 National data

#### 14.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 14.3 Data

#### Table 14a

<table>
<thead>
<tr>
<th>Forest plan type</th>
<th>Forest area 2010 (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area with management plan</td>
<td>200</td>
</tr>
<tr>
<td>... of which for production</td>
<td>68</td>
</tr>
<tr>
<td>... of which for conservation</td>
<td>132</td>
</tr>
</tbody>
</table>

#### Table 14b

<table>
<thead>
<tr>
<th>Indicate which (if any) of the following are required in forest management plans in your country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Soil and water management</td>
</tr>
<tr>
<td>2 High conservation value forest delineation</td>
</tr>
<tr>
<td>3 Social considerations community involvement</td>
</tr>
</tbody>
</table>

Table 14c

| Percent of area under forest management plan that is monitored annually | N/A |

<table>
<thead>
<tr>
<th>Tiers</th>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area with management plan</td>
<td>Tier 1</td>
<td></td>
</tr>
<tr>
<td>Percent of area under forest management plan that is monitored annually</td>
<td>Tier 2</td>
<td></td>
</tr>
</tbody>
</table>

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

14.4 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest area with management plan</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stakeholder involvement</td>
<td>Stakeholder involvement is defined as significant inputs into at least one aspect of forest management at the operational scale</td>
</tr>
</tbody>
</table>

### Table 15

<table>
<thead>
<tr>
<th>Category</th>
<th>Type of stakeholder involvement in forest management decision making required in your country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Planning phase</td>
<td>yes</td>
</tr>
<tr>
<td>2. Operations phase</td>
<td>yes</td>
</tr>
<tr>
<td>3. Review of operations</td>
<td>yes</td>
</tr>
</tbody>
</table>

### Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of stakeholder inputs</td>
<td>Tier 3</td>
</tr>
</tbody>
</table>

### Tier criteria

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

### 15.2 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>FSC certification</td>
<td>Forest area certified under the Forest Stewardship Council certification scheme</td>
</tr>
<tr>
<td>PEFC certification</td>
<td>Forest area certified under the Programme for the Endorsement of Forest Certification scheme</td>
</tr>
<tr>
<td>Other international forest management certification</td>
<td>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.</td>
</tr>
<tr>
<td>Certified forest area using a domestic forest management certification scheme</td>
<td>Area certified under a forest management certification scheme with published standards that are nationally recognized and independently verified by a third-party</td>
</tr>
</tbody>
</table>

### 16.2 Data

**Table 16a**

<table>
<thead>
<tr>
<th>International forest management certification</th>
<th>Forest area (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000</td>
</tr>
<tr>
<td>FSC</td>
<td>0</td>
</tr>
<tr>
<td>PEFC</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2007</td>
</tr>
<tr>
<td>FSC</td>
<td>0</td>
</tr>
<tr>
<td>PEFC</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
</tr>
</tbody>
</table>

**Table 16b**

<table>
<thead>
<tr>
<th>Domestic forest management certification</th>
<th>Forest area (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000</td>
</tr>
<tr>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>N/A</td>
<td>0</td>
</tr>
</tbody>
</table>
## Tier criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>International</strong> forest management certification</td>
<td>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</td>
</tr>
<tr>
<td><strong>Domestic</strong> forest management certification</td>
<td>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</td>
</tr>
</tbody>
</table>

## Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>International</strong> forest management certification</td>
<td>Tier 1</td>
</tr>
<tr>
<td><strong>Domestic</strong> forest management certification</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

## 16.3 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified forest area using an international forest management certification scheme</td>
<td>N/A</td>
</tr>
<tr>
<td>Domestic forest management certification</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest revenue</td>
<td>All government revenue collected from the domestic production and trade of forest products and services. For this purpose revenue include:</td>
</tr>
<tr>
<td></td>
<td>- <strong>Goods</strong>: roundwood; sawnwood; biomass; woodbased panels; pulp and paper and non-wood forest products.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Services</strong>: 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.</td>
</tr>
<tr>
<td>Public expenditure on forestry</td>
<td>All government expenditure on forest related activities.</td>
</tr>
</tbody>
</table>

### 17.2 National data

#### 17.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 17.3 Data

#### Table 17

<table>
<thead>
<tr>
<th>Category</th>
<th>Revenues / expenditures (000 local currency)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2000</td>
</tr>
<tr>
<td>Forest revenue</td>
<td>537980</td>
</tr>
<tr>
<td>Public expenditure on forestry</td>
<td>637680</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Local Currency</th>
<th>2000</th>
<th>2005</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dram</td>
<td>Dram</td>
<td>Dram</td>
<td>Dram</td>
</tr>
</tbody>
</table>
### 17.4 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest revenue</td>
<td>N/A</td>
</tr>
<tr>
<td>Public expenditure on forestry</td>
<td>N/A</td>
</tr>
<tr>
<td>Other general comments</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public ownership</strong></td>
<td>Forest owned by the State or administrative units of the public administration or by institutions or corporations owned by the public administration.</td>
</tr>
<tr>
<td>...of which owned by the state at national scale (sub-category)</td>
<td>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.</td>
</tr>
<tr>
<td>...of which owned by the state at the sub-national government scale (sub-category)</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Private ownership</strong></td>
<td>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.</td>
</tr>
<tr>
<td>...of which individuals (sub-category)</td>
<td>Forest owned by individuals and families.</td>
</tr>
<tr>
<td>...of which private business entities and institutions (sub-category)</td>
<td>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.</td>
</tr>
<tr>
<td>...of which local tribal and indigenous communities (sub-category)</td>
<td>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.</td>
</tr>
<tr>
<td><strong>Unknown ownership</strong></td>
<td>Forest area where ownership is unknown includes areas where ownership is unclear or disputed.</td>
</tr>
</tbody>
</table>

### Categories related to management rights of public forests

<table>
<thead>
<tr>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public Administration</strong></td>
</tr>
<tr>
<td><strong>Individuals households</strong></td>
</tr>
<tr>
<td><strong>Private companies</strong></td>
</tr>
<tr>
<td><strong>Communities</strong></td>
</tr>
<tr>
<td><strong>Other form of management rights</strong></td>
</tr>
</tbody>
</table>

### 18.2 National data
18.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Forest Code</td>
<td>Ownership classification</td>
<td>2005</td>
<td>Forests and forest lands can be under state, community and private ownership and shall not be subject to alienation to communities, legal persons and citizens.</td>
</tr>
<tr>
<td>2 By-laws</td>
<td>Ownership</td>
<td>2005-2008</td>
<td>N/A</td>
</tr>
<tr>
<td>3 Land Code</td>
<td>Ownership</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

18.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>State ownership</td>
<td>State forests and forest lands</td>
</tr>
<tr>
<td>Private ownership</td>
<td>The forest established on the lands owned by communities, legal persons and citizens by their owners shall be regarded as their property.</td>
</tr>
<tr>
<td>Communal ownership</td>
<td>The forest established on the lands owned by communities, legal persons and citizens by their owners shall be regarded as their property.</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

18.2.3 Original data

Up until 2005, all forests in Armenia were under public ownership.

18.3 Analysis and processing of national data
18.3.1 Adjustment

18.3.2 Estimation and forecasting
### 18.4 Data

#### Table 18a

<table>
<thead>
<tr>
<th>Categories</th>
<th>Forest area (1000 hectares)</th>
<th>1990</th>
<th>2000</th>
<th>2005</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public ownership</td>
<td></td>
<td>335</td>
<td>333</td>
<td>332</td>
<td>331</td>
</tr>
<tr>
<td>... of which owned by the state at national scale</td>
<td></td>
<td>335</td>
<td>333</td>
<td>332</td>
<td>331</td>
</tr>
<tr>
<td>... of which owned by the state at the sub-national government scale</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Private ownership</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>... of which owned by individuals</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>... of which owned by private business entities and institutions</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>... of which owned by local, tribal and indigenous communities</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Unknown ownership</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>335.00</td>
<td>333.00</td>
<td>332.00</td>
<td>331.00</td>
</tr>
</tbody>
</table>

#### Tiers

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public ownership</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Private ownership</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Unknown ownership</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

#### Tier criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for status</th>
<th>Tier for reported trend</th>
</tr>
</thead>
</table>

FRA 2015 – Country Report, Armenia
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 |

Table 18b - Holder of management rights of public forests

<table>
<thead>
<tr>
<th>Categories</th>
<th>Forest area (000 hectares)</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1990</td>
<td>2000</td>
</tr>
<tr>
<td>Public Administration</td>
<td>335</td>
<td>333</td>
</tr>
<tr>
<td>Individuals</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Private companies</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Communities</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>335.00</td>
<td>333.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Tier for reported trend</th>
<th>Tier for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Administration</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Individuals</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Private companies</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Communities</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
<tr>
<td>Other</td>
<td>Tier 1</td>
<td>Tier 1</td>
</tr>
</tbody>
</table>

18.5 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public ownership</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Private ownership</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Unknown ownership</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Management rights</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments to the table
| 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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time equivalents (FTE)</td>
<td>A measurement equal to one person working full-time during a specified reference period.</td>
</tr>
<tr>
<td>Employment in forestry</td>
<td>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).</td>
</tr>
</tbody>
</table>

### 19.2 National data

#### 19.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 19.2.2 Classification and definitions

<table>
<thead>
<tr>
<th>National class</th>
<th>Definition</th>
</tr>
</thead>
</table>

19.2.3 Original data

Original data on employment in primary production of goods are presented directly in the reporting table below.

### 19.3 Data

#### Table 19

<table>
<thead>
<tr>
<th>Category</th>
<th>Employment (000 years FTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1990</td>
</tr>
<tr>
<td>Employment in forestry</td>
<td>5.3</td>
</tr>
<tr>
<td>... of which female</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### 19.4 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments related to data definitions etc</th>
<th>Comments on the reported trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employment in forestry</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments to the table

N/A
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross value added from forestry (at basic prices)</td>
<td>This category corresponds to the ISIC/NACE Rev. 4 activity A02 (Forestry and logging).</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Million</th>
<th>Currency</th>
<th>Year for latest available information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross value added from forestry (at basic prices)</td>
<td>2938</td>
<td>dram</td>
<td>2011</td>
</tr>
</tbody>
</table>

20.3 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government target/aspiration for forest area</td>
<td>Government target/aspiration for forest area for a specific year.</td>
</tr>
<tr>
<td>Forests earmarked for conversion</td>
<td>Forest area that is allocated/classified or scheduled to be converted into non-forest uses.</td>
</tr>
</tbody>
</table>

21.2 National data

21.2.1 Data sources

<table>
<thead>
<tr>
<th>References to sources of information</th>
<th>Variables</th>
<th>Years</th>
<th>Additional comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

21.3 Data

Table 21a

<table>
<thead>
<tr>
<th>Category</th>
<th>Forest area (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2020</td>
</tr>
<tr>
<td>Government target/aspiration for forest area</td>
<td>337</td>
</tr>
</tbody>
</table>

Table 21b

<table>
<thead>
<tr>
<th>Category</th>
<th>Forest area (000 ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2013</td>
</tr>
<tr>
<td>Forests earmarked for conversion</td>
<td>N/A</td>
</tr>
</tbody>
</table>

21.4 Comments

<table>
<thead>
<tr>
<th>Category</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government target/aspiration for forest area</td>
<td>N/A</td>
</tr>
<tr>
<td>Forests earmarked for conversion</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other general comments