

4.3.2 Estimation and forecasting

The data for the 2015 derived by extrapolation from data of 2010 and 2012

4.3.3 Reclassification

Every forest stand by its primary function is designated to 4 forest groups and 18 subgroups.

Adequacy of forests with national primary function to FRA classes is presented in below table.

National class	Definition
Production	40 <i>Exploitable forests</i>
Protection of soil and water	24 <i>Soil protecting (anti-erosion) forests</i> 36 <i>Forests for field protection</i> 38 <i>Forests of protective zones for water bodies</i>
Conservation of biodiversity	10 <i>Forests of strict reserves</i> 21 <i>Forests of II-d forest group reserves</i> 22 <i>Forests with protected nature monuments</i> 23 <i>Forests for the Baltic Sea and Curonian Lagoon protection (1 km)</i>
Social services	25 <i>Forest parks</i> 26 <i>Resort forest</i> 27 <i>City forests</i> 28 <i>Forest of recreational sites</i> 29 <i>Recreational zones in state parks</i>

Multiple purpose	<p>31 Forests of III-d forest group reserves</p> <p>32 Forests of protective zones in State parks</p> <p>33 Forests of buffer zones around State parks</p> <p>34 Forest around factories</p> <p>35 Forests of protective and aesthetic value near roads</p> <p>37 Forests of seed stands</p>
No or unknown function	

4.4 Data

Table 4a



Categories		Forest area (000 hectares)				
		1990	2000	2005	2010	2015
	Production forest	1412	1466	1494	1549	1550
	Multiple use forest	127	132	158	163	163

Table 4b

Rank	Name of product	Key species	Commercial value of NWFP removals 2010 (value 1000 local currency)	NWFP category
1 st	Mushrooms	Cantarellus cibarius Boletus edulis	29399	1
2 nd	Berries	Vaccinium myrtillus Vaccinium oxycoccus Vaccinium vitis-idaea	10892	1
3 rd	Bush meat	Alces alces Cervus elaphus Capreolus capreolus Sus ccrofa	12346	12
4 th	Cristmas trees	Picea abies	3750	6
5 th	Skins	Lepus europaeus Vulpes vulpes Nyctareutes procyonoides Castor fiber Martes martes Ondatra ziberthica Mustela vison	1354	10

6 th	Raw material for medicine	n.d.	508	13
7 th	N/A	N/A	N/A	N/A
8 th	N/A	N/A	N/A	N/A
9 th	N/A	N/A	N/A	N/A
10 th	N/A	N/A	N/A	N/A
TOTAL			58249.00	

2010	
Name of local currency	LITAS (LT)

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 beeswax
12 Wild meat
13 Raw material for medicine
14 Raw material for colorants
15 Other edible animal products

16 Other non-edible animal products

Table 4c Pre-filled data from FAOSTAT

Year	FRA 2015 category (1000 m ³ u.b.)	
	Total wood removals	...of which woodfuel
1990	8052.6	1808.52
1991	0	0
1992	3160	1376
1993	4508	1780
1994	3992	1736
1995	5960	1090
1996	5540	1230
1997	5149	1149
1998	4879	1170
1999	4924	1124
2000	5500	1450
2001	5700	1480
2002	6115	1295
2003	6275	1320
2004	6120	1260
2005	6045	1130
2006	5870	1230
2007	6195	1305
2008	5594.4	1381.81
2009	5459.5	1782.81
2010	7096.9	1943
2011	8052.6	1808.52

Tiers

Category	Tier for status	Tier for reported trend
Production forest	Tier 3	Tier 3
Multiple use forest	Tier 3	Tier 3

Tier Criteria

Category	Tier for status	Tier for reported trend
Production forest Multiple use forest	Tier 3: Updated including field verifications national forest maps including functions Tier 2: Forest maps older than 6 years including forest functions Tier 1: Other	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

4.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Production forest	N/A	N/A
Multiple use forest	Forests of protective and aesthetic value near roads are considered as multiple purpose, but not social services forest.	N/A
Total wood removals	N/A	N/A
Commercial value of NWFP	N/A	N/A

Other general comments to the table

Different system of forest classification into groups and categories was applied in 1990, comparing to classifications, which is used now. Since 1990 were not essential changes in requirements to functional forest classification. We have accepted the same proportions of forest land classification by functions in 1990 as well as in 2000.

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

Documents for this question:

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

5.1 Categories and definitions

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

5.2 National data

5.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lithuania FRA_2010 country report	Protection of soil and water ,Ecosystem services, cultural or spiritual values	1990-2005	N/A

2	Valstybinė miškų apskaita.2011 m. sausio 1 d. (State Forest Assessment, January 1,2011). Kaunas, 2011, 124 p. (manuscript)	Protection of soil and water ,Ecosystem services, cultural or spiritual values	2010	N/A
3	Valstybinė miškų apskaita.2013 m. sausio 1 d. (State Forest Assessment, January 1,2013). Kaunas, 2013, 130 p. (manuscript)	Protection of soil and water ,Ecosystem services, cultural or spiritual values	2012	N/A
4	N/A	N/A	N/A	N/A

5.2.2 Classification and definitions

National class	Definition
According 4.2.2 table	N/A
N/A	N/A
N/A	N/A
N/A	N/A

5.2.3 Original data

According to table 4.2.3

5.3 Analysis and processing of national data

5.3.1 Adjustment

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5.3.2 Estimation and forecasting

Data for 2015 are extrapolated from 2010 and 2012

5.3.3 Reclassification

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5.4 Data

Table 5a

Categories	Forest area (1000 hectares)
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		1990	2000	2005	2010	2015
CRQ	Protection of soil and water	171	178	210	192	199
CRQ	... of which production of clean water	0	0	0	0	0
CRQ	... of which coastal stabilization	155	159	183	167	174
CRQ	... of which desertification control	0	0	0	0	0
CRQ	... of which avalanche control	0	0	0	0	0
CRQ	... of which erosion, flood protection or reducing flood risk	16	19	27	25	25
CRQ	... of which other (please specify in comments below the table)	0	0	0	0	0

Other

N/A

Table 5b

Categories	Forest area (1000 hectares)				
	1990	2000	2005	2010	2015
Ecosystem services, cultural or spiritual values	75	78	66	65	63
...of which public recreation	75	78	66	65	63
...of which carbon storage or sequestration	0	0	0	0	0
...of which spiritual or cultural services	0	0	0	0	0
...of which other (please specify in comments below the table)	0	0	0	0	0

Tiers

Category	Tier for reported trend	Tier for status
Protection of soil and water	Tier 3	Tier 3
Ecosystem services, cultural or spiritual values	Tier 3	Tier 3

Tier criteria

Category	Tier for status	Tier for reported trend
Protection of soil and water	Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations or legislation relating to soil and water protection. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other	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
<ul style="list-style-type: none"> • Cultural or spiritual values • Public recreation • Spiritual or cultural services • Other 	Tier 3: High reliability data derived either from high intensity sample survey or data obtained from national or state agencies responsible for regulations. Tier 2: Approaches based on low intensity or incomplete sample-based surveys or studies that provide data for specific areas that is extrapolated through statistical analysis to national level estimates. Tier 1: Other	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

5.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Protection of soil and water	Forest subgroups 23,24,38 (t 4.2.2)	N/A
Production of clean water	N/A	N/A
Coastal stabilization	Forest subgroups 23,38	N/A
Desertification control	N/A	N/A
Avalanche control	N/A	N/A
Erosion, flood protection or reducing flood risk	Forest subgroup 24	N/A
Other protective functions	N/A	N/A
Ecosystem services, cultural or spiritual values	Forest of II b group (t 4.2.2)	N/A
Public recreation	Forest of II b group (t 4.2.2)	N/A

Carbon storage or sequestration	N/A	N/A
Spiritual or cultural services	N/A	N/A
Other ecosystem services	N/A	N/A

Other general comments to the table

T5b ...of which other - ecosystem services (Forest of II a group (t 4.2.2))

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

Documents for this question:

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

6.1 Categories and definitions

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

6.2 National data

6.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lithuania FRA_2010 country report	N/A	1990-2005	N/A
2	Lietuvos miškų ūkio statistika 2011. Kaunas, 2011, 184 p. (Lithuanian statistical Yearbook of forestry 2011. Kaunas, 2011, p.184)	Protected areas	2010	N/A
3	Lietuvos miškų ūkio statistika 2013. Kaunas, 2013, 184 p. (Lithuanian statistical Yearbook of forestry 2013. Kaunas, 2013, p.184)	Protected areas	2012	N/A
4	Valstybinė miškų apskaita.2011 m. sausio 1 d. (State Forest Assessment, January 1,2011). Kaunas, 2011, 124 p. (manuscript)	Forest	2010	N/A
5	Valstybinė miškų apskaita.2013 m. sausio 1 d. (State Forest Assessment, January 1,2013). Kaunas, 2013, 130 p. (manuscript)	Forest	2012	N/A

6.2.2 Classification and definitions

National class	Definition
See 4.2.2.	N/A

N/A	N/A
N/A	N/A
N/A	N/A

6.2.3 Original data

See 4.2.3.

Special designation and management categories

FRA 2015 Categories	Forest area (1000 hectares)					
	1990	2000	2005	2007	2010	2012
Area of permanent forest estate	1945	2020	2121	2160	2170	2174
Forest area within protected areas	n.a.	395	424	433	454	460
Forest area under sustainable forest management	1945	2020	2121	2160	2170	2174
Forest area with management plan	1945	2020	2121	2160	2170	2174

6.3 Analysis and processing of national data

6.3.1 Adjustment

Not applied

6.3.2 Estimation and forecasting



See 4.3.2.

6.3.3 Reclassification

See 4.3.3.

6.4 Data

Table 6

Categories		Forest area (000 hectares)				
		1990	2000	2005	2010	2015
	Conservation of biodiversity	160	166	193	201	205
	Forest area within protected areas	N/A	395	424	454	460

Tiers

Category	Tier for status	Tier for reported trend
Conservation of biodiversity	Tier 3	Tier 3
Forest area within protected areas	Tier 3	Tier 3

Tier criteria

Category	Tier for status	Tier for reported trend
<ul style="list-style-type: none"> Conservation of biodiversity Forests within protected areas 	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	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

6.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Conservation of biodiversity	Forest subgroups 10,21,22,23	N/A
Forest area within protected areas	Include forests in: 1. Strict nature reserves, 2. Nature reserves, 3. National parks, 4. Regional parks	N/A

Other general comments to the table

Different system of forest classification into groups and categories was applied in 1990, comparing to classifications, which is used now. Since 1990 were not essential changes in requirements to functional forest classification. We have accepted the same proportions of forest land classification by functions in 1990 as well as in 2000.

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

Documents for this question:

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

7.1 Categories and definitions

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

7.2 National data

7.2.1 Data sources

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

7.2.2 Classification and definitions

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

7.2.3 Original data

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7.3 Analysis and processing of national data

7.3.1 Adjustment

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7.3.2 Estimation and forecasting

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7.3.3 Reclassification

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7.4 Data

Table 7

Scientific name of woody invasive species	Forest area affected (000 ha)	
	2005	2010
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
Total	0	0

Tiers

Category	Tier for status	Tier for reported trend
Invasive species	Tier 3	Tier 3

Tier Criteria

Category	Tier for status	Tier for reported trend
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Invasive species	Tier 3: Systematic assessment in forest inventory or other survey (e.g. by conservation department) within the last 5 years) Tier 2: Systematic assessment in forest inventory or other survey (e.g. by conservation department conducted more than 5 years ago) Tier 1: Other	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
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7.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Invasive species	There is no area of forest affected by woody invasive species in Lithuania	N/A

Other general comments to the table
N/A

8. How much forest area is damaged each year?

Documents for this question:

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

8.1 Categories and definitions

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

8.2 National data

8.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Information from Fire and Rescue Department	Total area of fires	2003-2012	N/A
2	Lietuvos miškų ūkio statistika 2013. Kaunas, 20, 184 p. (Lithuanian statistical Yearbook of forestry 20. Kaunas, 20, p.184)	Disturbance by Forest fires	2003-2012	N/A
3	Lietuvos miškų ūkio statistika 2013. Kaunas, 20, 184 p. (Lithuanian statistical Yearbook of forestry 20. Kaunas, 20, p.184)	Disturbance by insects, diseases, snow-wind	2007-2012	N/A
4	N/A	N/A	N/A	N/A

8.2.2 Classification and definitions

National class	Definition
All are according to FRA-2015 definitions	N/A
N/A	N/A
N/A	N/A

N/A	N/A
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8.2.3 Original data

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8.3 Analysis and processing of national data

8.3.1 Adjustment

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8.3.2 Estimation and forecasting

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8.3.3 Reclassification

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8.4 Data

Table 8a



Category		000 ha, number of fires									
		2003		2004		2005		2006		2007	
		000 ha	#	000 ha	#	000 ha	#	000 ha	#	000 ha	#
	Total land area burned	N/A	N/A	13.301	3740	4.063	2587	33.798	8584	3.294	2465
	... of which forest area burned	0.436	885	0.253	468	0.051	301	1.199	1545	0.038	251
Category		2008		2009		2010		2011		2012	
		000 ha	#	000 ha	#	000 ha	#	000 ha	#	000 ha	#
	Total land area burned	5	5553	13	7233	5.878	4346	5	4443	5	3856
	... of which forest area burned	0.112	301	0.315	507	0.022	110	0.293	142	0.02	81

Table 8b

Outbreak category	Description/name	Year(s) of latest outbreak	Area damaged (000 hectares)
1	Ips typographus	2007-2012	31.7
1	Diprion pini	2011	2.1
1	Dendrolimus pini	2008-2010,2012	5.6
1	Lymantria dispar	2012-2011	0.1
1	Panolis flammea	2008	0.2
1	Physocermes piceae	2009-2011	8.8
2	Ash dieback	2007-2012	24
2	Oak dieback	2007-2012	17
3	Snow, Wind	2008-2011	65
N/A	N/A	N/A	N/A

Outbreak category
1 Insects
2 Diseases
3 Severe weather events

Tiers

Category	Tier for status	Tier for trend
Area affected by fire	Tier 3	Tier 3
<ul style="list-style-type: none"> • Insects • Diseases • Severe weather events 	Tier 3	Tier 3

Tier criteria

Category	Tier for status	Tier for reported trend
Burned area	Tier 3 : National fire monitoring routines Tier 2 : Remote sensing surveys Tier 1 : Other	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

<ul style="list-style-type: none"> • Insects • Diseases • Severe weather events 	<p>Tier 3 : Systematic survey (e.g. via inventory or aerial damage assessment) Tier 2 : Management records Tier 1 : Other</p>	<p>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</p>
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8.5 Comments

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

Other general comments to the table
N/A

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

Documents for this question:

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

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

Table 9

Category	Area of forest with reduced canopy cover (000 ha)
Reduction in canopy cover	N/A

Tiers

Category	Tier for reported trend
Reduction in canopy cover	N/A

Tier criteria

Category	Tier for reported trend
Reduction in canopy cover	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

Comments

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

Other general comments

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

Documents for this question:

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

10.1 Categories and definitions

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

10.2 National data

10.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lietuvos Respublikos aplinkos ministerijos Valstybinės miškų tarnybos 2010 m. sausio 14 d. įsakymas Nr. 11-10-V „Dėl Miškotvarkos darbų vykdymo instrukcijos patvirtinimo“ / Valstybės Žinios, 2010, Nr. 45-2182 (Stand Forest inventory instruction)	N/A	N/A	N/A
2	Lietuvos Respublikos miškų įstatymas (Valstybės Žinios, 1994, Nr. 96-1872; Valstybės Žinios, 2001, Nr. 35-1161) (The Republic of Lithuania Forestry Law)	legislative act	1994	N/A
3	NACIONALINĖ MIŠKŲ ŪKIO SEKTORIAUS PLĖTROS 2012–2020 METŲ PROGRAMA Patvirtinta Lietuvos Respublikos Vyriausybės 2012 m. gegužės 23 d. nutarimu Nr. 569 (National strategy of Forestry)	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

10.2.2 Classification and definitions

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

10.2.3 Original data

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10.3 Data

Table 10

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

10.4 Comments

Variable / category	Comments related to data definitions etc
Policies supporting sustainable forest management	Legislation and regulation of sustainable forest management, requirements for forestry, forest cuttings and regeneration in state and private forests in most cases are the same.

Legislation and regulations supporting sustainable forest management	N/A
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Other general comments

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

Documents for this question:

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

11.1 Categories and definitions

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

11.2 National data

11.2.1 Data sources

	References to sources of information	Years	Additional comments
1	APLINKOS MINISTRO ĮSAKYMAS “DĖL MIŠKŲ ŪKIO KONSULTACINĖS TARYBOS PRIE APLINKOS MINISTERIJOS SUDARYMO” 2003 m. kovo 31 d. Nr. 151 Vilnius (Advising council of forestry)	2003	N/A
2	N/A	N/A	N/A
3	N/A	N/A	N/A
4	N/A	N/A	N/A

Table 11

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

Category	Comments related to data definitions etc
National stakeholder platform	Advising council of forestry is established in the Environment Ministry. Consist from representatives of main institutions related to forestry, nongovernmental institutions, Nature organizations, private and state foresters,

Other general comments

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

Documents for this question:

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

12.1 Categories and definitions

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

12.2 National data

12.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	FRA 2010 country report	Forest	1990-2005	N/A
2	Valstybinė miškų apskaita.2011 m. sausio 1 d. (State Forest Assessment, January 1,2011). Kaunas, 2011, 124 p. (manuscript)	Forest	2010	N/A
3	Lietuvos miškų ūkio statistika 2011. Kaunas, 2011, 184 p. (Lithuanian statistical Yearbook of forestry 2011. Kaunas, 2011, p.184)	Forest area within protected areas	2010	N/A
4	N/A	N/A	N/A	N/A

12.2.2 Classification and definitions

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

12.2.3 Original data

See 4.2.3.

Special designation and management categories

FRA 2015 Categories	Forest area (1000 hectares)				
	1990	2000	2005	2007	2010
Area of permanent forest estate	1945	2020	2121	2160	2170
Forest area within protected areas	n.a.	395	424	433	454
Forest area under sustainable forest management	1945	2020	2121	2160	2170
Forest area with management plan	1945	2020	2121	2160	2170

12.3 Analysis and processing of national data



12.3.1 Adjustment

12.3.2 Estimation and forecasting

12.3.3 Reclassification

12.4 Data

Table 12

Categories		Forest area 2010 (000 ha)
	Forest area intended to be in permanent forest land use	2170
	... of which permanent forest estate	2170

Tiers

Category	Tier for status
Forest area intended to be in permanent forest land use	Tier 3
Permanent forest estate	Tier 3

Tier Criteria

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

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

Other general comments

--

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

Documents for this question:

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

13.1 Categories and definitions

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

13.2 National data

13.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lietuvos Respublikos Miškų Įstatymas. (The Republic of Lithuania Forestry Law) Valstybės Žinios, 2001, Nr. 35-1161, 4-13 p	Forest inventory, reports	N/A	N/A
2	Valstybinės miškų inventorizacijos atrankos metodų nuostatai, patvirtinti Aplinkos ministro 2004 m. lapkričio 8 d. įsakymu Nr. D1-570 (engl. The regulations of National Forest Inventory by sampling method approved by order No D1-570 of 8 November 2004 of the Minister of Environment of the Republic of Lithuania) (Žin., 2004, 17-6343; 2012, Nr. 16-694).	National Forest Inventory (NFI)	N/A	N/A
3	Lietuvos Respublikos aplinkos ministerijos Valstybinės miškų tarnybos 2010 m. sausio 14 d. įsakymas Nr. 11-10-V „Dėl Miškotvarkos darbų vykdymo instrukcijos patvirtinimo“ / Valstybės Žinios, 2010, Nr. 45-2182	Stand Forest inventory (SFI)	N/A	N/A
4	N/A	N/A	N/A	N/A

13.2.2 Classification and definitions

National class	Definition
Forest inventory	National Forest inventory(NFI), Stand Forest inventory (SFI)
N/A	N/A
N/A	N/A
N/A	N/A

13.3 Data

Table 13a

Category	% of total forest area	Most recent year	Check all boxes that apply					
			Continuous	Periodic	Permanent ground plots	Temporary ground plots	Aerial/remote sensing sample based	Aerial/remote sensing full coverage
Forest inventory	100	2013	yes	yes	yes	yes	no	yes
Other field assessments	N/A	N/A						
Updates to other sources	N/A	N/A						
Expert estimate	N/A	N/A						

Table 13b

Type of forest reporting used at national scale	Check boxes that apply
1 Criteria and Indicators reporting	yes
2 Periodic national state of the forest report	yes
3 Other (please document)	no
4 None	no

Other type of forest reporting
N/A

13.4 Comments

Category	Comments
Periodic national state of the forest report	1. Annual State Forest Assessment 2. Edition "Lithuanian statistical Yearbook of forestry "
N/A	N/A
N/A	N/A

Other general comments

--

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

Documents for this question:

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

14.1 Categories and definitions

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

14.2 National data

14.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lietuvos miškų statistika. 1998 m. sausio 1 d. (Lithuanian Forest Statistics 1998.01.01). Kaunas, 1998	Forest	1997	N/A
2	Lietuvos miškų valstybinė apskaita 2001 m. sausio 1d. (Lithuanian Forest Assessment. January 1 2001). Kaunas, 2001	Forest	2000	N/A
3	Valstybinė miškų apskaita 2006 m. sausio 1 d. (State Forest Assessment, January 1 2006). Kaunas, 2006	Forest	2005	N/A
4	Valstybinė miškų apskaita 2011 m. sausio 1 d. (State Forest Assessment, January 1 2011). Kaunas, 2011.	Forest	2010	N/A

14.3 Data

Table 14a

Forest plan type	Forest area 2010 (000 ha)
Forest area with management plan	2170
... of which for production	1879

... of which for conservation	291
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Table 14b

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

Table 14c

Percent of area under forest management plan that is monitored annually	20
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Tiers

Category	Tier for status
Forest area with management plan	Tier 3
Percent of area under forest management plan that is monitored annually	Tier 3

Tier criteria

Category	Tier for status
Forest area with management plan	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
Percent of area under forest management plan that is monitored annually	Tier 3 : Government documentation of monitoring extent Tier 2 : Reports from forest managers or other documental sources Tier 1 : Other

14.4 Comments

Category	Comments
Forest area with management plan	N/A
N/A	N/A
N/A	N/A

Other general comments

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

Documents for this question:

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

15.1 Categories and definitions

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

Table 15

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

Tiers

Category	Tier for status
Type of stakeholder inputs	Tier 3

Tier criteria

Category	Tier for status
Type of stakeholder inputs	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

15.2 Comments

Category	Comments
N/A	Forest management plans for forest enterprises and forest management schemes for county as well as general plans for country are discussed publicly with participation of representatives of society, scientists nongovernmental institutions
N/A	N/A
N/A	N/A

Other general comments

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

Documents for this question:

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

16.1 Categories and definitions

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

16.2 Data

Table 16a













International forest management certification		Forest area (000 ha)						
		2000	2001	2002	2003	2004	2005	2006
	FSC	0	0	66.14	448.57	644.8	1005.53	1007.34
	PEFC	0	0	0	0	0	0	0
	Other	0	0	0	0	0	0	0
		2007	2008	2009	2010	2011	2012	
	FSC	1044.32	677.09	976.94	1033.2	1049.41	1055.35	
	PEFC	0	0	0	0	0	0	
	Other	0	0	0	0	0	0	

Table 16b

Domestic forest management certification		Forest area (000 ha)						
		2000	2001	2002	2003	2004	2005	2006
	Not applied	0	0	0	0	0	0	0
	N/A	0	0	0	0	0	0	0
	N/A	0	0	0	0	0	0	0

		2007	2008	2009	2010	2011	2012	
	Not applied	0	0	0	0	0	0	
		0	0	0	0	0	0	
		0	0	0	0	0	0	

Tier criteria

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

Tiers

Category	Tier for status
International forest management certification	Tier 3
Domestic forest management certification	Tier 3

16.3 Comments

Category	Comments related to data definitions etc
Certified forest area using an international forest management certification scheme	N/A
Domestic forest management certification	Not applied

Other general comments

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

Documents for this question:

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

17.1 Categories and definitions

Category	Definition
Forest revenue	All government revenue collected from the domestic production and trade of forest products and services. For this purpose revenue include: <ul style="list-style-type: none"> • Goods : roundwood; sawnwood; biomass; woodbased panels; pulp and paper and non-wood forest products. • Services : 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.
Public expenditure on forestry	All government expenditure on forest related activities.

17.2 National data

17.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Miškų urėdijų 2007 m. veiklos rodikliai. Vilnius, 2008, 64p.	Revenue	2005	N/A
2	Miško įmonių 2000m. gamybinės veiklos rodikliai. Vilnius, 2000, 58p.	Revenue, Operational expenditure	2000	N/A
3	Lietuvos Respublikos vyriausybės nutarimas Nr. 216, 2005.02.24	Operational expenditure	2005	N/A
4	Miškų urėdijų 2010 m. veiklos rodikliai. Vilnius, 2011, 19p.	Operational expenditure	2010	N/A
5	Lietuvos Respublikos vyriausybės nutarimas Nr. 103, 2010.06.07	Revenue	2010	N/A

17.3 Data

Table 17

Category	Revenues / expenditures (000 local currency)		
	2000	2005	2010
Forest revenue	64033	89384	135500

Public expenditure on forestry	12385	13000	25400
	2000	2005	2010
Name of Local Currency	LITAS (LTL)	LITAS (LTL)	LITAS (LTL)

17.4 Comments

Category	Comments related to data definitions etc
Forest revenue	Forest revenue consist of personal income tax and VAT
Public expenditure on forestry	N/A
Other general comments	N/A

Other general comments

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18. Who owns and manages the forests and how has this changed?

Documents for this question:

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

18.1 Categories and definitions

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

18.2 National data

18.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lietuvos privatūs miškai ir ūkininkavimas juose. (Private forests of Lithuania and their management), VMI, Kaunas, 2001, 62 p.	Forest	2000	N/A
2	Lietuvos Respublikos žemės fondas (Land fund of the Republic of Lithuania) 2006m. sausio 1d. Vilnius, 2006, 144 p.	owned by private business entities and institutions	2005	N/A
3	Valstybinė miškų apskaita.2006 m. sausio 1 d. (State Forest Assessment, January 1 2006). Kaunas, 2006, 110 p. (manuscript)	Forest	2005	N/A
4	Valstybinė miškų apskaita.2011 m. sausio 1 d. (State Forest Assessment, January 1,2011). Kaunas, 2011, 124 p. (manuscript)	Forest	2010	N/A
5	Lietuvos Respublikos žemės fondas (Land fund of the Republic of Lithuania) 2011 m. sausio 1d, Vilnius, 2011, 144 p.	owned by private business entities and institutions	2010	N/A

18.2.2 Classification and definitions

National class	Definition
1)Indigenous / tribal communities (sub-category of Private ownership)	Forest owned by communities of indigenous or tribal people.
2)Other types of ownership	Other kind of ownership arrangements not covered by the categories above. Also includes areas where ownership is unclear or disputed.
N/A	N/A
N/A	N/A

18.2.3 Original data

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FRA 2015 Categories	Forest area (1000 hectares)			
	1990	2000	2005	2010
Public ownership	1945	1562	1404	1333
Private ownership	0	458	717	837
...of which owned by individuals	0	458	705	792
...of which owned by private business entities and institutions	0	0	12	45
...of which owned by local communities	0	0	0	0
...of which owned by indigenous / tribal communities	0	0	0	0
Other types of ownership	0	0	0	0
TOTAL	1945	2020	2121	2170

18.3 Analysis and processing of national data

18.3.1 Adjustment

Not applied.

18.3.2 Estimation and forecasting









Not applied.

18.3.3 Reclassification

Not applied.

18.4 Data

Table 18a

Categories		Forest area (1000 hectares)			
		1990	2000	2005	2010
	Public ownership	1945	1562	1404	1333
	... of which owned by the state at national scale	1945	1562	1404	1333
	... of which owned by the state at the sub-national government scale	0	0	0	0
	Private ownership	0	458	717	837
	... of which owned by individuals	0	458	705	792
	... of which owned by private business entities and institutions	0	0	12	45
	... of which owned by local, tribal and indigenous communities	0	0	0	0
	Unknown ownership	0	0	0	0
TOTAL		1945.00	2020.00	2121.00	2170.00

Tiers

Category	Tier for status	Tier for reported trend
Public ownership	Tier 3	Tier 3
Private ownership	Tier 3	Tier 3
Unknown ownership	Tier 3	Tier 3

Tier criteria

Category	Tier for status	Tier for reported trend
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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	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
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Table 18b - Holder of management rights of public forests

Categories	Forest area (000 hectares)			
	1990	2000	2005	2010
Public Administration	1945	1562	1404	1333
Individuals	0	0	0	0
Private companies	0	0	0	0
Communities	0	0	0	0
Other	0	0	0	0
TOTAL	1945.00	1562.00	1404.00	1333.00

Category	Tier for reported trend	Tier for status
Public Administration	Tier 3	Tier 3
Individuals	Tier 3	Tier 3
Private companies	Tier 1	Tier 3
Communities	Tier 3	Tier 3
Other	Tier 3	Tier 3

18.5 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Public ownership	N/A	N/A
Private ownership	N/A	N/A
Unknown ownership	N/A	N/A
Management rights	N/A	N/A

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

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

19.2 National data

19.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	Lietuvos Miškų ūkio statistika 2003. Kaunas, 2003, 112 p. (Lithuanian statistical yearbook of Forestry 2003. Kaunas, 2003, p.112)	N/A	1990, 2000	N/A
2	Lietuvos miškų ūkio statistika 2008. Kaunas, 2008, 152 p. (Lithuanian statistical Yearbook of forestry 2008. Kaunas, 2008, p.152)	N/A	2005	N/A
3	Information from State Service of Protected Areas	N/A	2005	N/A
4	Lietuvos miškų ūkio statistika 2011. Kaunas, 2011, 184 p. (Lithuanian statistical Yearbook of forestry 2011. Kaunas, 2011, p.184)	N/A	2010	N/A

19.2.2 Classification and definitions



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

19.2.3 Original data

FRA 2005 Categories	Employment (1000 person-years)			
	1990	2000	2005	2010
Employment in forestry activities	14,6	13,7	9,8	9,0

19.3 Data

Table 19

Category		Employment (000 years FTE)			
		1990	2000	2005	2010
	Employment in forestry	14.6	13.7	9.8	9
	... of which female	N/A	N/A	N/A	N/A

19.4 Comments

Category	Comments related to data definitions etc	Comments on the reported trend
Employment in forestry	Only includes paid employment in forestry activities	N/A

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

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

20.2 Data

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

Category	Million	Currency	Year for latest available information
Gross value added from forestry (at basic prices)	479.7	litas	2010

20.3 Comments

Category	Comments
N/A	N/A

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

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

21.2 National data

21.2.1 Data sources

	References to sources of information	Variables	Years	Additional comments
1	NACIONALINĖ MIŠKŲ ŪKIO SEKTORIAUS PLĖTROS 2012–2020 METŲ PROGRAMA Patvirtinta Lietuvos Respublikos Vyriausybės 2012 m. gegužės 23 d. nutarimu Nr. 569	N/A	2012	N/A
2	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A

21.3 Data

Table 21a

Category	Forest area (000 ha)	
	2020	2030
Government target/aspiration for forest area	2233.0	N/A

Table 21b

Category	Forest area (000 ha)
	2013
Forests earmarked for conversion	0

21.4 Comments

Category	Comments
Government target/aspiration for forest area	N/A
Forests earmarked for conversion	N/A

Other general comments

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