

Summary Table for Improved Pan-European Indicators for SFM - quantitative indicators

No.	Indicator	1990	2000	2005	2010	Type of reporting	Pre-filled /Partly pre-filled/Data provider
<b>C 1: Forest Resources and Carbon</b>							
1,1	<a href="#">Forest area</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	FRA2010 – partly pre-filled; Pilot Table 1.1b (by Forest Types) is not pre-filled
1,2	<a href="#">Growing stock</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	FRA2010 – partly pre-filled; Pilot Table 1.2b (by Forest Types) is not pre-filled
1,3	<a href="#">Age structure and/or diameter distribution</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled **/
1,4	<a href="#">Carbon stock</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	FRA2010 – pre-filled
<b>C 2: Maintenance of Forest Ecosystem Health and Vitality</b>							
2,1	Deposition of air pollutants	x	x	x		Data for available years	ICP/JRC - information in a separate material
2,2	Soil condition	x	x	x		Data for available years	ICP/JRC - information in a separate material
2,3	Defoliation	x	x	x		Data for available years	ICP/JRC - information in a separate material
2,4	<a href="#">Forest damage</a>	x	x	x		Data for 5-year period */ Additional table for most severe events	FRA2010 – partly pre-filled
<b>C 3: Productive Functions of Forests (Wood and Non-Wood)</b>							
3,1	<a href="#">Increment and fellings</a>	x	x	x	x	Data for 5-year period */	Not pre-filled
3,2	<a href="#">Roundwood</a>	x	x	x	x	Data for 5-year period */	UNECE-JFSQ – partly pre-filled
3,3	<a href="#">Non-wood goods</a>			x		Data for a reporting year -2005	FRA2010 – partly pre-filled
3,4	<a href="#">Services</a>			x		Data for a reporting year-2005	Not pre-filled
3,5	<a href="#">Forests under management plans</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled
<b>C 4: Biological Diversity in Forest Ecosystems</b>							
4,1	<a href="#">Tree species composition</a>	x	x	x		Data for a reporting year	Not pre-filled
4,2	<a href="#">Regeneration</a>	x	x	x	x	Data for a reporting year - 2010 forecasted and for 5-year period */	FRA2010 – partly pre-filled
4,3	<a href="#">Naturalness</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	FRA2010 – partly pre-filled
4,4	<a href="#">Introduced tree species</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled
4,5	<a href="#">Deadwood</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled
4,6	Genetic resources	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	Biodiversity International - information in a separate material
4,7	Landscape pattern	x	x	x		Based on satellite data	JRC - information in a separate material
4,8	<a href="#">Threatened forest species</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	Not pre-filled

4,9	<a href="#">Protected forests</a>	x	x	x	x	Data for a reporting year 2010 (forecasted)	Not pre-filled
<b>C 5: Protective Functions in Forest Management</b>							
5,1	<a href="#">Protective forests – soil, water and other ecosystem functions</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled
5,2	<a href="#">Protective forests – infrastructure and managed natural resources</a>	x	x	x	x	Data for a reporting year - 2010 forecasted	Not pre-filled
<b>C 6: Socio-economic functions and conditions</b>							
6,1	<a href="#">Forest holdings</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	FRA2010 – partly pre-filled
6,2	<a href="#">Contribution of forest sector to GDP</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	EUROSTAT/FAO – pre-filled
6,3	<a href="#">Net revenue</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	EUROSTAT – partly pre-filled
6,4	<a href="#">Expenditures for services</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	Not pre-filled
6,5	<a href="#">Forest sector workforce</a>	x	x	x	x	Data for a reporting year - 2010 = recent year ***/	EUROSTAT
6,6	<a href="#">Occupational safety and health</a>	x		x	x	Data for 5-year period */	Not pre-filled
6,7	Wood consumption	x		x	x	Annual data for the whole reporting period and data for 5-year period */	UNECE–JFSQ - information in a separate material
6,8	Trade in wood	x	x	x	x	Annual data for the whole reporting period and data for 5-year period */	UNECE–JFSQ - information in a separate material
6,9	<a href="#">Energy from wood resources</a>				x	2007	UNECE-JWEE – partly pre-filled
6,1	<a href="#">Accessibility for recreation</a>	x	x	x		Data for a reporting year	Not pre-filled
6,11	<a href="#">Cultural and spiritual values</a>			x		Data for a reporting year 2005 or recent year	Not pre-filled

\*/ Average data for the indicated period should be reported in the corresponding Reporting Tables, i.e. not the data for the “*central year*” noted in the head of this Summary Table, e.g. average for 2003-2007 instead

\*\*/ As data from SoEF 2007 are not “*pre-filled*” into this Enquiry, you might wish to cross-check your current reporting with the SoEF-2007 database (<http://w3.unece.org/pxweb/DATABASE/STAT/Timber.stat.asp>)

\*\*\*/ For 2010, please provide data or estimates for the most recent year available, and indicate the year and data status in “*Country comments*”

**Note:** For Indicators marked by „x“ for corresponding years the National Reporting is required, also checking, completing and/or up-dating if the data were pre-filled from FRA 2010



l of 2005;

or with the original report (<http://timber.unece.org/index.php?id=82>)

Enquiry  
*State of Forests and Sustainable Forest Management in Europe 2011*

NATIONAL DATA REPORTING FORMS  
on  
MCPFE INDICATORS FOR SUSTAINABLE FOREST MANAGEMENT

*Quantitative indicators collected and/or validated through UNECE/FAO, Geneva*

<b>COUNTRY:</b>	<b>Cyprus</b>
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<b>Date of submission:</b>	<b>30/4/2010</b>
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**Exchange rates applied for conversion of national currency Cyprus Pound to Euro/ECU:**

Year	Annual exchange rate
1990	<u>17.190</u>
2000	<u>17.390</u>
2005	<u>17.337</u>
2007	<u>17.164</u>
2008	<u>Adoption of Euro</u>
2009	<u>1</u>

**Cyprus**

**Reporting Form 1.1a: Forest area**

**Pan-European indicator 1.1:** Area of forest and other wooded land, classified by forest type and by availability for wood supply, and share of forest and other wooded land in total land area.

**Related SoEF definitions:** Forest, Other wooded land, Forest available for wood supply, Other land.

**Table 1.1a: Forest area**

Category	Year	Area (1000 ha)
Forest	2010	173,182
	2005	172,851
	2000	171,610
	1990	161,110
... of which available for wood supply	2010	41,399
	2005	41,399
	2000	43,173
	1990	43,222
Other wooded land	2010	213,865
	2005	213,865
	2000	213,860
	1990	195,000
Total forest and other wooded land	2010	387,047
	2005	386,716
	2000	385,470
	1990	356,110
Other land	2010	537,103
	2005	537,434
	2000	538,680
	1990	568,040

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Forest area	It corresponds to FRA definition except the threshold value for minimum area, which is 1 ha.	Forest area is increasing through time due to land acquisition, afforestation plans, rural development programme and forest
FAWS area	Forest area classified by the Department of Forests as productive where the management objective is production of timber.	The area of FAWS has been decreased through time because of forest fires and the declaration of a portion as National Forest Park
OWL area	OWL includes maquis and qarique vegetation. Lack of real data for Private OWL for 1990 - a rough estimate has been made.	Quite stable area during the last decade.

#### Complementary information:

Item	Related information
Approach to calculation/ specification for FAWS	According to Department of Forests' classification
Main national categories included in "Other wooded land"	OWL includes maquis and qarique vegetation

#### Reporting notes:

1. The share of FOWL in total land (see indicator text) will be calculated by UNECE/FAO, using figure for "Total land" as maintained by FAOSTAT. Please check the total land area (Forest, Other Wooded Land and Other Land) used for calculation of your area figures. If that is not in accordance with FAOSTAT, calibration of the results may be necessary.

2. The country approach to the calculation / specification of “*Forest available for wood supply*” (FAWS), as well as the list of national categories included into the FAWS calculation, should be noted in “*Country comments*”.

### Data sources:

[illegible]

Cyprus

Reporting Form 1.2a: Growing stock

**Pan-European indicator 1.2:** Growing stock on forest and other wooded land, classified by forest type and by availability for wood supply.

**Related SoEF definitions:** Forest, Other wooded land, Forest available for wood supply, Growing stock, Broadleaved, Coniferous.

Table 1.2a: Growing stock

Category	Year	Volume (million m <sup>3</sup> o.b.)		
		Total	... of which:	
			Coniferous	Broadleaved
Forest	2010	8,83	8,60	0,23
	2005	8,38	8,16	0,23
	2000	7,93	7,73	0,20
	1990	7,41	7,21	0,20
... of which: Forest available for wood supply	2010	3,27	3,27	0,00
	2005	3,13	3,13	0,00
	2000	3,09	3,09	0,00
	1990	3,06	3,06	0,00
Other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.
Total forest and other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.

Country comments:

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	The growing stock	
Growing stock on forest area		The growing stock
Growing stock on FAWS		The growing stock



**Cyprus**

**Reporting Form 1.3a: Age structure and diameter distribution**

**Pan-European indicator 1.3:** Age structure and/or diameter distribution of forest and other wooded land, classified by forest type and by availability for wood supply.

**Related SoEF definitions:** Forest, Forest available for wood supply, Stand, Even-aged stand.

**Table 1.3a: Age class distribution (even-aged stands)**

Category	Year	Total area	Area by age classes (1 000 ha)									
			≤10 years	11-20	21-40	41-60	61-80	81-100	101-120	121-140	>140	Unspecified
Forest: even-aged stands	2010	0	0	0	0	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0	0	0
	1990	0	0	0	0	0	0	0	0	0	0	0
...of which: Forest available for wood supply	2010	0	0	0	0	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0	0	0	0	0
	1990	0	0	0	0	0	0	0	0	0	0	0

**Country comments:**

Category	Comments related to data,	Comments on trend(s)
Forest even-aged stands	Not applicable since the most of the forests are uneven-aged.	
... of which: Forests available for wood supply		
How did you distinguish between even-aged and uneven-aged stands?		

**Complementary information:**

Item	Related information
Indicate method to determine age	

**Reporting notes:**

- |  |
|--|
| 1. Respondents are asked to inter- or extrapolate data for age classes if data derived from inventories is from other than reference dates requested.  |
| 2. If data only available for the class "Forest available for wood supply", please provide data for this class and provide the information under "Country comments".   |
| 3. National Correspondents should decide themselves how to classify two-layer stands, either "even"- or "uneven"-aged, but the sufficient commenting in Country comments should be included.                           |
| 4. Countries may wish to provide additional information on the distribution by species of different rotation lengths in a separate note or under "Country comments".   |
| 5. The set of pilot Tables with the explanatory notes and guidance for voluntary reporting on Indicators 1.3, 4.1, 4.3 and 4.5 according to the new "European Forest Types" classification is annexed to this Enquiry. |

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 1.3b: Diameter distribution**

**Pan-European indicator 1.3:** Age structure and/or diameter distribution of forest and other wooded land, classified by forest type and by availability for wood supply.

**Related SoEF definitions:** Forest, Forest available for wood supply, Stand, Uneven-aged stands.

**Table 1.3b Diameter distribution and total area (uneven-aged stands)**

Category	Year	Area (1 000 ha)	Total Volume (1 000 m³ o.b.)	Volume by diameter classes (1 000 m³ o.b.)				
				<20 cm	21-40 cm	41-60 cm	>60 cm	Unspecified
Forest: uneven-aged stands	2010	173,2	8829,0	n.a.	n.a.	n.a.	n.a.	0
	2005	172,9	8383,0	n.a.	n.a.	n.a.	n.a.	0
	2000	171,6	7930,0	n.a.	n.a.	n.a.	n.a.	0
	1990	161,1	7405,0	n.a.	n.a.	n.a.	n.a.	0
... of which: Forest available for wood supply	2010	41,4	3269,0	172,2	851,8	1767,0	478,0	0
	2005	41,4	3125,0	164,6	814,3	1689,2	456,9	0
	2000	43,2	3089,0	172,6	802,5	1648,0	465,9	0
	1990	43,2	3056,0	190,2	795,3	1582,0	488,4	0

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Total area of uneven-aged forests		Forest area is increasing through time due
Total volume of uneven-aged forests		The growing stock in forest areas
Diameter distribution for uneven-aged forests:	NFI data are available only for FAWS and	
Diameter distribution for uneven-aged forests available for wood supply:	Class a (<20 cm) includes trees with dbh between 12 and 19 cm since the minimum	

**Complementary information:**

Item	Related information
Indicate method to determine diameter structure	

**Reporting notes:**

- |   |
|---|
| 1. Diameter classes refer to diameter at breast height (d.b.h.) measured (cm over bark) at a height of 1.3 m above ground.  |
| 2. If country has different diameter classes in the national reporting system, please re-group accordingly with a sufficient explanation.   |
| 3. If data is only available for the class “ <i>Forest available for wood supply</i> ”, please provide data for this class and provide the information under “ <i>Country comments</i> ”.                                       |
| 4. The upper limits of classes are inclusive, i.e. in the diameter class $\leq 20$ - the 20cm diameter is included, in the diameter class 21-40cm – the 40 cm diameter is included in this class, etc.                          |
| 5. The set of pilot Tables with the explanatory notes and guidance for voluntary reporting on Indicators 1.3, 4.1, 4.3 and 4.5 according to the new “ <i>European Forest Types</i> ” classification is annexed to this Enquiry. |

**Data sources:**

[illegible]

Cyprus

Reporting Form 1.4: Carbon stock

**Pan-European indicator 1.4:** Carbon stock of woody biomass on forest and other wooded land.

**Related SoEF definitions:** Forest, Other wooded land, Carbon in above ground biomass, Carbon in below-ground biomass, Carbon in deadwood, Carbon in litter, Soil carbon.

Table 1.4: Carbon stock

Category	Year	Carbon in above-ground and below-ground living biomass		Carbon in deadwood and litter		Soil carbon
		Above-ground	Below-ground	Deadwood	Litter	
		Million metric tonnes				
Forest	2010	2,305	0,738	n.a.	n.a.	3,897
	2005	2,188	0,700	n.a.	n.a.	3,889
	2000	2,070	0,663	n.a.	n.a.	3,861
	1990	1,933	0,619	n.a.	n.a.	3,625
Other wooded land	2010	n.a.	n.a.	n.a.	n.a.	4,812
	2005	n.a.	n.a.	n.a.	n.a.	4,812
	2000	n.a.	n.a.	n.a.	n.a.	4,812
	1990	n.a.	n.a.	n.a.	n.a.	4,388
Total forest and other wooded land	2010	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

Country comments:

Category	Comments related to data, definitions, conversion factors used, etc.	Comments on trend(s)
Total carbon stock	No data available for living biomass in	
Carbon stock in above-ground living biomass	It does not include carbon stored in	The carbon stored in above ground
Carbon stock in below-ground living biomass	Since the minimum diameter of the	The carbon stored in below ground
Carbon stock in deadwood	No estimate for dead wood biomass is	
Carbon stock in litter	No estimate for litter is available for the	
Carbon stock in soil	It is estimated by multiplying the forest	

Biomass / carbon conversion factor used / applied	The carbon content of the biomass was estimated by multiplying the dry matter	
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**Specification of threshold value:**

Item	Value
Soil depth (cm)	40 cm

**Reporting notes:**

1. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ... Quotes of countries' official reporting on forest carbon are welcome.
2. Growing stock / biomass conversion factors: please list all conversion factors such as biomass expansion factors and indicate related source of conversion factor if more than one are used.
3. Please, report in the " <i>Country comments</i> " the biomass / carbon conversion factor used, also if the default factor has been used.
4. Soil and litter conversion factors: please list all conversion factors and indicate related source of conversion factor if more than one are used.
5. You might wish to provide additional data (in " <i>Country comments</i> " or a supplementary table) which would show an "annual average increment of carbon" and explain any inconsistency with the data in table 1.4.
6. When compiling the Reporting Form please follow explanations / recommendations on this parameter, which were given in the corresponding FRA-2010 background documentation / guidelines <a href="http://www.fao.org/forestry/51315/en/">http://www.fao.org/forestry/51315/en/</a> .

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 1.4 Category	Year(s)	Type of inventory	Additional comments
Department of Forests	M	Above Ground Biomass Forest	All	M	Use of biomass data obtained by NFI. Use of IPCC methodology and conversion factors.
Department of Forests	M	Below Ground Biomass Forests	All	M	Use of biomass data obtained by NFI. Use of IPCC methodology and conversion factors.

[illegible]

<b>Cyprus</b>
<b>Indicator 2.1: Deposition of air pollutants</b>
<b>Indicator 2.2: Soil condition</b>
<b>Indicator 2.3: Defoliation</b>
The information for these Indicators will be provided separately by other International Data Providers (IDPs); ICP Forests and EU JRC. Information for Indicators 2.1 and 2.3 will be presented to National Correspondents. If the National Correspondent wishes to request any changes to the data provided, these changes must be agreed with the country's ICP Forests focal point and transmitted to ICP Forests Co-ordinating Centre. Information for Indicator 2.2. will not be presented on a country basis; in the publication it will be in the form of maps and/or other graphics. Technical Specifications for reporting by IDPs is available in a separate document prepared for your information.

Cyprus

Reporting Form 2.4: Forest damage

**Pan-European indicator 2.4:** Forest and other wooded land with damage, classified by primary damaging agent (abiotic, biotic and human induced) and by forest type.

**Related SoEF definitions:** Forest, Other wooded land, Damage to forest, Primarily damaged by insects and disease, Primarily damaged by wildlife and grazing, Primarily damaged by storm, wind, snow or other identifiable abiotic factors, Primarily human induced, Primarily damaged by fire.

Table 2.4a: Forest damage

Category	Year	Area damaged by different agents						Primarily damaged by fire	
		Total area	Primarily damaged by biotic agents		Damage primarily human induced		Primarily damaged by abiotic agents		
			Insects and disease	Wildlife and grazing	Forest operations	Other	Storm, wind, snow, etc.		
			1000 ha						No. of fires
Forest	2005	10,1	6,3	3,8	0	0	0	0,35	22
	2000	n.a.	n.a.	n.a.	n.a.	0	0	0,96	28
	1990	n.a.	n.a.	n.a.	n.a.	0	0	0,57	16
Other wooded land	2005	n.a.	0	n.a.	0	0	0	1,27	168
	2000	n.a.	0	n.a.	0	0	0	3,53	207
	1990	n.a.	0	n.a.	0	0	0	0,03	2
Total forest and other wooded land	2005	10,1	6,3	3,8	0	0	0	1,62	190
	2000	n.a.	n.a.	n.a.	n.a.	0	0	4,49	235
	1990	n.a.	n.a.	n.a.	n.a.	0	0	0,60	18

Table 2.4b: Major damages affecting forest health and vitality

Description / name	Tree species or genera affected (scientific name)	Year(s) of latest outbreak	Area affected (1000 hectares)	If cyclic, approx. cycle (years)
<i>Thaumetopoea wilkinsonii</i>	<i>Pinus brutia</i>	2007	8,1	Every year
<i>Leucaspis knemion</i>	<i>Pinus brutia</i>	2006, 2007	0,4	---


**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Annual average area damaged by all agents	The figures for the reporting years refer to the averages of annually affected areas for 5 years period $n \pm 2$ years	
Primarily damaged by insects and disease	The area was estimated based on the forest areas treated with insecticides	
Primarily damaged by wildlife and grazing	No records are kept for OWL	
Damage primarily human induced forest operations		
Human-induced damages reported under "Other"		
Primarily damaged by abiotic agents e.g. storm, wind, snow, etc.		
Primarily damaged by fire		
Major damages affecting forest health and vitality		

**Complementary information:**

Item	Related information
Minimum size of damaged FOWL reported (recommended minimum size >0.5 ha)	minimum area 0,3 ha
Criteria and minimum thresholds used to determine area as "damaged"	0,3 ha

Criteria used to determine which agents were “primarily” damaging	Criteria are based on severity of damage
Share of human induced fires	

#### Reporting notes:

1. An important change was introduced to this table compared with the 2007 reporting. Now this table is asking for the average area damaged during the specific year of the period (as in FRA 2010), not the area with damage present (as in SoEF 2007). If for example damage occurred in 2001, the area affected should be included only in the calculation for 1998-2002, and even if the damage is still present in 2003 it should not be included in the calculation for 2003-2007.
2. Figures for the reporting years refer to the averages of annually affected areas for the 5-year periods 1988-1992, 1998-2002 and 2003-2007 respectively, not the “central year” (1990, 2000, 2005) noted in the Table.
3. It is up to the countries to define the threshold level for the minimum size of damaged forest and other wood land to be reported. It is recommended that the minimum be >0.5 ha (or corresponding level of other characteristics).
4. “*Primarily*” is mainly related to the severity of damage. The area damaged by various agents within the same year (no matter which kind of agent and how many species of agents) should be counted just once.
5. Sub-class “*Primarily damaged by biotic agents – Wildlife and grazing*”: this category includes a range of damages by different wildlife, including bark removal by deer and damages caused by rodents. Please use “*Country comments*” to specify types of damages included.
6. Sub-class “*Primarily damaged by Fire*”: Please indicate under “*Country comments*” the % of area affected by fire that is human induced. Other available information on causes of fires may also be included.
7. Sub-class “*Primarily damaged by abiotic agents – Storm, wind, snow, etc.*” comprises: Storm, wind, snow, drought, mudflow, avalanche and other identifiable abiotic agents.
8. Sub-class “*Damage primarily human induced – Forest operations*”: these include damages incurred in the process of the road building and landings setting, or harvest damage, incl. through skidding tracks, hauling and transport.
9. Sub-class “*Damage primarily human induced - Other*”: these include e.g. damage from visitors to forests; vandalism, etc. Note that human induced fire is not to be included in this class, but to be specified under “*Country comments*”. Please indicate which “*other*” damage classes are reported here.
10. Total area damaged is not necessarily the sum of damage by cause, as some areas may be damaged by more than one agent.
11. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.

#### Data sources:

References to sources of information	Quality (H/M/L)	Table 2.4 Category	Year(s)	Type of inventory	Additional comments
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Department of Forests	M	Damage by insects and diseases	2003+	M	
Department of Forests	M	Damage by wildlife and grazing	2003+	M	
Department of Forests	M	Damage by forest operations	2003+	M	
Department of Forests	M	Damage by storm, snow, wind	2003+	M	
Department of Forests	H	Damage by fires	All	M	





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**Cyprus**

**Reporting Form 3.1: Increment and fellings**

**Pan-European indicator 3.1:** Balance between net annual increment and annual fellings of wood on forest available for wood supply.

**Related SoEF definitions:** Forest, Forest available for wood supply, Growing stock, Gross annual increment, Net annual increment, Natural losses, Fellings.

**Table 3.1: Increment and fellings**

Category	Year	Gross annual increment	Natural losses	Net annual increment	Fellings	
					Total	... of which: of natural losses
					Volume (1000 m <sup>3</sup> o.b.)	
Forest available for wood supply	2010	43,2	5,2	38,0	9,654	0,860
	2005	44,7	4,7	40,0	10,399	n.a.
	2000	46,2	4,2	42,0	24,191	n.a.
	1990	49,6	3,1	46,5	51,500	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Gross annual increment	It corresponds to FRA definitions but it	
Natural losses	It corresponds to FRA definitions but it	
Net annual increment	It corresponds to FRA definitions but it	
Total fellings	It refers only to fellings from areas	The annual fellings have been decreased due to
Fellings of natural losses	Separate Data regarding Fellings of	

**Complementary information:**

Item	Related information
Method used to determine "fellings"	
Characterize method and way(s) that "Sustainable yield"/"Annual allowable cut" is estimated in your country	Use of Gehrhardt method. A combination of Growing Stock and Volume Increment.



**Cyprus**  
**Reporting Form 3.2: Roundwood**

**Pan-European indicator 3.2:** Value and quantity of marketed roundwood

**Related SoEF definitions:** Removals, Roundwood, Industrial roundwood, Woodfuel, Removals for commercial use, Marketed roundwood.

**Table 3.2: Removals**

Category	Year	Total Volume of removals (1000 m <sup>3</sup> u.b.)	Industrial roundwood		Woodfuel	
			Volume	Value	Volume	Value
			1000 m <sup>3</sup> u.b.	1000 Euro/ECU	1000 m <sup>3</sup> u.b.	1000 Euro/ECU
Total removals	2010	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
... of which marketed	2010	14,86	9,65	398,99	5,21	111,21
	2005	11,54	7,21	368,10	4,33	102,30
	2000	22,15	16,15	640,73	6,00	104,32
	1990	44,94	34,25	1.049,16	10,69	112,96
... of which from forest	2010	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	Roundwood is reported under bark. No data are available from all land-use categories. No data are available for wood removed for subsistence use. Sometimes the amount of timber extracted from areas outside FAWS is more than what is removed for FAWS. This is usually salvaged timber from forest fires.	
Industrial roundwood removals – Volume	It refers to forest and OWL and not to total land. No separate data for forests and OWL.	
Industrial roundwood removals – Value		
Woodfuel removals – Volume	It refers to forest and OWL and not to total land. No separate data for forests and OWL.	

Woodfuel removals – Value		
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**Complementary information:**

Item	Related information
Bark conversion factor from "over bark" to "under bark"	Conifers X 0,80 - Broadleaves X 0,82
Approach used to determine "marketed"	As in Note 3 below
Approach used to determine value	As in Note 4 below

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	Values for 2010 are the averages for years 2008 and 2009	
Industrial roundwood removals – Volume		
Industrial roundwood removals – Value		
Woodfuel removals – Volume		
Woodfuel removals – Value		

**Reporting notes:**

1. Roundwood is to be reported "under bark". "Total removals" include roundwood removed from all land-use categories, not only from forest or other wooded land.
2. The assessment of "Total removals" and "Total removals from forest" should also include wood that is removed for subsistence use with the value calculated on the basis of local roadside prices.
3. "Marketed" roundwood comprises all roundwood sold on markets. It excludes roundwood harvested for self-consumption (subsistence) and other forms of uses without market transaction.
4. The value reported should be the market value at the site of removal. If possible, felled (roadside) values should be reported. If a different basis is used (e.g. standing sales value), values should be converted to felled (roadside). In case where values are obtained from a point further down the production chain, transport costs and possible handling and/or processing costs should be discounted. Values and conversion factors used in the calculation should be provided in the comments.

5. Figures for the reporting years refer to the averages for the 5-year periods 1988-1992, 1998-2002 and 2003-2007 respectively, i.e. not the data for the “central year” (1990, 2000, 2005) noted in the Table above, e.g. 2003-2007 instead of 2005. For 2010 - average values from 2008 and 2009 should be used.

6. The pre-filled figures (if any) are drawn from the UNECE/FAO TIMBER database as of February 2010. Kindly note that any data for 2010 are in fact based on the year 2008 only. These data can be found through the FAOSTAT database at <http://faostat.fao.org/DesktopDefault.aspx?PageID=630&lang=en> and at the UNECE at <http://timber.unece.org/index.php?id=207>.

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 3.3: Non-wood goods**

**Pan-European indicator 3.3:** Value and quantity of marketed non-wood goods from forest and other wooded land.

**Related SoEF definitions:** Non-wood goods, Marketed non-wood goods.

**Table 3.3: Non-wood goods (2005)**

Rank (value)	Name of (groups of) product	Key species	Unit	Total harvested non-wood goods - quantity	Marketed non-wood goods		Non-wood goods category
					Quantity	Value in Euro/ECU (1000)	
1 <sup>st</sup>	Christmas trees - code 1	Pinus brutia	stems	1628	1628	11,89	1
2 <sup>nd</sup>	Forest seeds - code 7	Pinus brutia	Kg	1230	1230	88,4	7
3 <sup>rd</sup>	Aromatic and medicinal plants - code 5	Origanum spp., Salvia spp.,	Kg	182	182	0,2	5
4 <sup>th</sup>	Pine cones - code 7	Pinus brutia	m3	113	113	0,2	7
5 <sup>th</sup>							
6 <sup>th</sup>							
7 <sup>th</sup>							
8 <sup>th</sup>							
9 <sup>th</sup>							
10 <sup>th</sup>							
All other plant products							
All other animal products							
<b>TOTAL</b>						100,49	

**Country comments:**

Product (group of products)	Comments related to data, definitions, etc.	Comments on trend(s)* /
1 <sup>st</sup>		Data refer to forest and OWL
2 <sup>nd</sup>		Data refer to forest and OWL
3 <sup>rd</sup>		Data refer to forest and OWL

4 <sup>th</sup>		Data refer to forest and OWL
5 <sup>th</sup>		
6 <sup>th</sup>		
7 <sup>th</sup>		
8 <sup>th</sup>		
9 <sup>th</sup>		
10 <sup>th</sup>		
All other plant products		
All other animal products		

\*/ Table 3.3 demands information for 2005 only, information on observed trends is welcome.

#### Reporting notes:

1. Non-wood goods categories:

Code*/	Plant products / raw materials	Code*/	Animal products / raw materials
1	Christmas/New Year trees	8	Game meat
2	Mushrooms and truffles	9	Living animals
3	Fruits, berries and edible nuts	10	Pelts, hides, skins and trophies
4	Cork	11	Wild honey and bee-wax
5	Resins, raw material- medicine, aromatic products, colorants, dyes	12	Raw material for medicine, colorants
6	Decorative foliage, incl. ornamental plants, mosses, etc...	13	Other animal products
7	Other plant products		

\*/ Code (number) can be used for references in the Table (ranking) and “Country comments”.

2. “Marketed” non-wood goods comprise all non-wood goods sold on markets. It excludes non-wood goods harvested for self-consumption (subsistence) and other forms of uses without market transaction.

3. Reference area for reporting is “Total forest and other wooded land”, not further divided into sub-classes. If data is available for sub-class “Forest” only, please report on this sub-class with explicit reference to “Forest” and provide a note under “Country comments”. If data is available for certain forest areas or ownership classes (e.g. state forests), but not for others, data should be reported with explicit indication of area (ha) and/or reference to the ownership class.

4. The non-wood good categories “Christmas/New Year trees”, “Living animals” as well as “Pelts, hides, skins and trophies” are to be reported in 1000 pieces, all other categories in tonnes. If goods are reported in different measurement units than those recommended, please specify under “Country comments”.

5. *“Mushrooms and truffles”* and *“Fruits, berries and nuts”*: Products from mushroom farms or fruits from trees outside forests, such as orchards, are to be excluded.

6. “Resins, raw material for medicine, aromatic products, colorants and dyes” includes extracts e.g. tannins, raw material for industrial extracts, essential and cosmetic oils.

7. "Other plant products" includes other products collected from forest and other wooded land, such as fodder, reproductive material (e.g. seeds, parts of plants) or other plant-based raw material for food and beverages. Note that grazing in the forest should be excluded. Please specify further categories if necessary.

8. "Game meat" (in tonnes) and "Living animals" (in 1000 pieces) "from forest and other wooded land" is to be understood to include game whose habitat is forest-related or –dependent. Please use expert judgment in classifications and provide information on game classes included under "country comments". Meat and harvest from game farms are to be excluded. Note that marketed game only is to be included. Licenses for hunting are to be reported as "Marketed Service" under Reporting Form 9 "Services". Only those marketed living animals that were caught in their natural habitat, should be reported under category "Living animals".

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 3.4: Services**

**Pan-European indicator 3.4:** Value of marketed services on forest and other wooded land.

**Related SoEF definitions:** Marketed forest services.

**Table 3.4: Marketed Services**

Rank (value)	Name of service/product	Unit	Service provision in 2005		Forest service category*/
			Amount of service/product	Value in Euro (1000)	
1 <sup>st</sup>	Recreation	units	n.a.	12,648	3.2
2 <sup>nd</sup>	Other	varies	n.a.	45,478	4
3 <sup>rd</sup>					
4 <sup>th</sup>					
5 <sup>th</sup>					
6 <sup>th</sup>					
7 <sup>th</sup>					
8 <sup>th</sup>					
9 <sup>th</sup>					
10 <sup>th</sup>					
	Remaining total				
Total				58,126	

\*/ Please select and insert an appropriate category (code) from Reporting note 2.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comment on trend(s)*/
General comments		
1 <sup>st</sup> - Recreation	Marketed Recreation Services refer only to camping	
2 <sup>nd</sup> Other Services	It includes leases of forest land for mining purposes,	
3 <sup>rd</sup>		
4 <sup>th</sup>		
5 <sup>th</sup>		
6 <sup>th</sup>		
7 <sup>th</sup>		

8 <sup>th</sup>		
9 <sup>th</sup>		
10 <sup>th</sup>		

\*/ Table 3.4 demands information for 2005 only, information on observed trends is welcome.

#### Complementary information:

Item	Related information
Reference area if different from "Total FOWL": e.g. ownership class	

#### Reporting notes:

1. Marketed services reported should be forest-dependent or mainly forest-related, but are not necessarily to be marketed by forest owners (e.g. eco-tourism). Forest-related means that forests constitute an essential element of the service marketed. Please provide information on types of services included in the different classes under "Country comments", and report in appropriate sub-classes if possible. Note that only marketed services involving some kind of financial transaction should be included, and not hypothetical values of services that are currently free of cost to users/consumers.

2. Categories of forest services (source: Study on the Development and Marketing of Non-Market Forest Products and Services) - more information and the final report of the project is now available at the European Commission Agriculture and Rural Development web page: [http://ec.europa.eu/agriculture/analysis/external/forest\\_products/](http://ec.europa.eu/agriculture/analysis/external/forest_products/). For each reported service/product please assign this to the most detailed category from the list below.

Category	Code
<b>Ecological services</b>	<b>1</b>
Water protection	1,1
Soil protection	1,2
Health protection	1,3
<b>Biospheric services</b>	<b>2</b>
Biodiversity protection	2,1
Climate regulation	2,2
<b>Social services</b>	<b>3</b>
Tourism	3,1
Recreation	3,2
Sport activities	3,3
Amenity services	<b>3</b>
Spiritual services	3,1

<b>Cultural services</b>	3,2
<b>Historical services</b>	3,3
<b>Other services</b>	4
<p>3. Marketed biospheric services include services related to indicator 4.6 (in-situ or ex-situ gene conservation of genetic resources) as well as indicator 4.9 (protected forest area) e.g. nature protection on a voluntary contractual basis with compensation or other payments from private or public bodies (this includes Natura 2000). This class also includes carbon-sequestration related afforestation projects in the context of the Kyoto Protocol – should such projects be included, please specify the amount under “Country comments”. Note that the reporting under this category is complementary to reporting under indicator 4.9. While in indicator 4.9 the main objective is to determine the quality of protection, the main focus here is to determine monetary values from market or quasi-market transaction for environmental services.</p>	
<p>4. <u>Marketed ecological services</u> include those related to indicators 5.1 and 5.2 (protection of soil, water and other environmental functions as well as infrastructure and managed natural resources) on a voluntary contractual basis with compensation or other payments from private or public bodies.</p>	
<p>5. <u>Marketed social services</u> include e.g. hunting or fishing licenses, renting of huts and houses as well as forest-based leisure, sport and outdoor adventure activities and educational services that are not free of cost to consumers (the public, schools,..). Please use “Country comments” to report on further criteria used for including different services. Recreational services not exchanged via</p>	
<p>6. <u>Amenity services</u> include those related to spiritual, cultural and historical functions, e.g. sacred, religious, or other forms of spiritual inspiration, sites of worship, landscape features (mountains and waterfalls), “memories” in the landscape from past cultural ties, aesthetic enjoyment and inspiration, historic artifacts.</p>	
<p>7. <u>Other marketed services</u> include e.g. payments to woodland owners for licenses for gravel extraction, telecommunication masts, wind farms and electricity distribution.</p>	
<p>8. The reference area for reporting is “Total FOWL”, not further divided into sub-classes “Forest” and “Other wooded land”. If data is available for some forest areas, e.g. for state forests or sub-class “Forest”, please give an expert judgment on the likely value for “Total forest and other wooded land”. Please report on actually available data on which expert judgment is based under “<i>Country comments</i>”.</p>	

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 3.4 Category	Year(s)	Type of inventory	Additional comments
Department of Forests Annual	H	all	2005	MR	
Department of Forests Revenue	H	all	2005	MR	


**Cyprus**

**Reporting Form 3.5: Forests under management plans**

**Pan-European indicator 3.5:** Proportion of forest and other wooded land under a management plan or equivalent.

**Related SoEF definitions:** Forest management plan, Equivalent of forest management plan.

**Table 3.5: Forests under management plans**

Category	Year	Management plans	Equivalents	Total
		(%)		
Forest	2010	0	61,93	61,93
	2005	0	61,93	61,93
	2000	0	61,65	61,65
	1990	0	65,67	65,67
Other wooded land	2010	0	23,73	23,73
	2005	0	23,73	23,73
	2000	0	23,73	23,73
	1990	0	26,02	26,02
Total forest and other wooded land	2010	0	40,82	40,82
	2005	0	40,80	40,80
	2000	0	40,61	40,61
	1990	0	43,96	43,96

**Country comments:**

Category	Comments related to data, definitions, etc.	Comment on trend(s)
Management plans		
Equivalents		

**Complementary information:**

Item	Related information	Other comments
Types of documents included in category "management plan"	Management Plans	Management plans are currently under
Types of documents included in category "equivalents"	National Forest Programme, Annual programmes of work	

**Reporting notes:**

1. Figures are to be reported separately and exclusively for the two categories. The percentages of forest land and of other wooded land covered by the following categories should be reported:
<p>a) <u>forest management plans</u>, defined by the MCPFE as “ Information (in the form of text, maps, tables and graphs) collected during (periodic) forest inventories at operational forest units level (stands, compartments), and operations planned for individual stands or compartments to reach the management goals (MCPFE, 2002)”.</p>
<p>b) <u>equivalents</u>, defined by the MCPFE as “Information collected on forest area, at forest management or aggregated forest management unit level (forest blocks, farms, enterprises, watersheds, municipalities, or wider units), and strategies/management activities planned to reach the management or development goals” (MCPFE, 2002).</p>
2. The maximum sum of area covered is up to 100% of total FOWL. Areas covered by a management plan and an equivalent should thus be counted only once, and reported in category “ <i>Management plans</i> ”.
3. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 4.1: Tree species composition**

**Pan-European indicator 4.1:** Area of forest and other wooded land, classified by number of tree species occurring and by forest type.

**Related SoEF definitions:** Forest, Other wooded land, Stand, Tree.

**Table 4.1a: Tree species composition**

Category	Year	Area with number of tree species occurring				
		(1000 ha)				
		1	2-3	4-5	6-10	>10
Forest	2005	169,4	3,5	0	0	0
	2000	169,1	2,5	0	0	0
	1990	158,6	2,5	0	0	0
Other wooded land	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Total forest and other wooded land	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments		
Area with number of tree species occurring on forest:	Data are available for category forests only	
Area with number of tree species occurring on OWL:	No data are available for OWL	
Area with number of tree species occurring on forest and OWL:		

**Complementary information:**

Item	Related information
Minimum size of trees to be included	dbh $\geq$ 12



Cyprus

Reporting Form 4.2: Regeneration

**Pan-European indicator 4.2:** Area of regeneration within even-aged stands and uneven-aged stands, classified by regeneration type.

**Related SoEF definitions:** Forest, Even-aged stand, Uneven-aged stand, Regeneration (natural, by planting and/or seeding, coppice sprouting), Afforestation, Natural expansion of forest.

Table 4.2: Regeneration

Category	Year	Natural regeneration and natural expansion of forest	Afforestation and regeneration by planting and/or seeding and/or coppice	
			total	of which: coppice sprouting
		Area of forest land by regeneration type (1000 ha)		
Forest	2010	142,658	30,524	0
	2005	143,417	29,434	0
	2000	144,052	27,558	0
	1990	136,765	24,345	0
of which: even-aged stands	2010	0	0	0
	2005	0	0	0
	2000	0	0	0
	1990	0	0	0
of which: uneven-aged stands	2010	142,658	30,524	0
	2005	143,417	29,434	0
	2000	144,052	27,558	0
	1990	136,765	24,345	0
Annual forest regeneration (1000 ha)* /				
Afforestation	2005		0,124	
Natural expansion of forest	2005	n.a.		
Regeneration** /	2005	0,19115	0,187	

\* / Reporting on five year average 2003-2007

\*\* / For the purpose of this table the term "Regeneration" implies the meaning is the same as "Reforestation" in FRA2010, i.e. re-establishment of forest stand, please see definitions.

Country comments:

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Origin of total forest area by regeneration type		
Natural regeneration and expansion of forest		
Afforestation and regeneration by planting and/or seeding		
Coppice sprouting		
Annual forest regeneration		
Afforestation		
Natural expansion of forest		
Regeneration		

**Complementary information:**

Item	Related information
Characteristics used to determine natural regeneration and expansion	Use of FRA2010 Categories and definitions
Characteristics used to determine afforestation and regeneration by planting and/or seeding	Use of FRA2010 Categories and definitions
Characteristics used to determine coppice sprouting	Use of FRA2010 Categories and definitions

**Reporting notes:**

1. The term “*regeneration*” used in this reporting should be understood as a synonym of the term “*reforestation*” used in the FAO global Forest Resources Assessment 2010, which also includes coppice (<http://www.fao.org/forestry/51315/en/>).

***Part I: Origin of total forest area by regeneration type***

2. The mixed forms of regeneration (“natural regeneration enhanced by planting” and “*regeneration by planting and/or seeding enhanced by natural regeneration*”) should be reported according to the prevailing form of regeneration. Please describe, how mixed forms of regeneration were reported for this form in “*Country comments*”.

3. The forest area by regeneration categories should sum up to the value of total forest area as this reported in the Table 1.1.

4. The figures for the reporting years refer to the situation in the reporting year, figures for the 2010 should reflect a status forecasted for this year.

***Part II: Annual forest regeneration***

5. In the table “*Country comments*” countries are requested to provide information on the criteria that were applied to assess annual values of regeneration.

6. In case of those forms of regeneration, where assessment of regenerated area is unfeasible (some partial or selective final fellings) please report the area that corresponds to the share (volume, basal area or crown cover) of felled trees in the regenerated stand. Please explain in comments.

7. The figures for the reporting year refer to the average for the 5-year period 2003-2007.

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 4.3: Naturalness**

**Pan-European indicator 4.3:** Area of forest and other wooded land, classified by “*undisturbed by man*”, by “*semi-natural*” or by “*plantations*”, each by forest type.

**Related SoEF definitions:** Forest, Other wooded land, Naturalness, Undisturbed by man, Semi-natural, Plantation.

**Table 4.3a: Naturalness**

Category	Year	Area (1000 ha)		
		Undisturbed by man	Semi-natural	Plantations
Forest	2010	13,241	129,417	30,524
	2005	13,241	130,176	29,434
	2000	13,241	130,811	27,558
	1990	13,241	123,524	24,345
Other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.
Total forest and other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
FOWL: undisturbed by man	Data are available only for Forest.	
FOWL: semi-natural	Data are available only for Forest.	
FOWL: plantations	Data are available only for Forest.	

**Complementary information:**

Item	Related information
Criteria or thresholds used to delimit “undisturbed by man” from “semi-natural”	Use of FRA2010 Definitions



Cyprus

Reporting Form 4.4: Introduced tree species

<b>Pan-European indicator 4.4:</b> Area of stands of forest and other wooded land dominated by introduced tree species.
<b>Related SoEF definitions:</b> Forest, Other wooded land, Introduced tree species, Invasive introduced tree species.

Table 4.4a: Introduced tree species

Category	Year	Area of stands dominated by introduced tree species (1000 ha)	
		Total	...of which: invasive
Forest	2010	1,400	0,570
	2005	1,400	0,570
	2000	1,400	0,570
	1990	1,399	0,570
Other wooded land	2010	n.a.	n.a.
	2005	n.a.	n.a.
	2000	n.a.	n.a.
	1990	n.a.	n.a.
Total forest and other wooded land	2010	n.a.	n.a.
	2005	n.a.	n.a.
	2000	n.a.	n.a.
	1990	n.a.	n.a.

Table 4.4b. Introduced tree species

Scientific name of introduced tree species	Rank of occupied area (1, 2, 3... etc.)
Eucalyptus species	1
Pinus halepensis	2
Pinus pinea	3
Robinia pseudoacacia	4

Table 4.4c. Invasive tree species

Scientific name of introduced tree species	Rank of occupied area (1, 2, 3... etc.)
--	---

Acacia cyanophylla	1
Ailanthus altissima	2
Dodonaea viscosa	3

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General	the concept of "introduced" implies "introduced to	Stable area affected
FOWL: area dominated by introduced tree species	Data are available only for forests not for OWL. Therefore data for FOWL are insufficient.	
FOWL: area dominated by invasive tree species	Same as above	

**Complementary information:**

Item	Related information
Reference area (ha) for assessment (size of sample plot/average stand)	0,5 ha
Reference period (years) used to classify as "introduced" (years since introduction)	n.a.
Criteria or thresholds used to classify species as "invasive"	Classification based on definitions used for the improved Pan-European indicators for SFM

**Reporting notes:**

1. Threshold for stands dominated by introduced tree species is >50 % of basal area by tree species introduced.
2. Introduced tree species (synonyms: non-indigenous species, exotic species, alien species): 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) (FRA 2010).
3. The forest area dominated by introduced tree species, as reported in Table 4.4a, should correspond to the total area under Category 14 of European Forest Types (Pilot Tables 1.1b, 4.1b and 4.3b).
4. Please specify under "Country comments" whether your concept of "introduced" implies "introduced to your country" (the species does not occur naturally within the country borders) or "introduced to another region within the country".
5. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 4.4a, 4.4b and 4.4c Category	Year(s)	Type of inventory	Additional comments
Department of Forests Annual Reports	M	all	all	SI	

[illegible]

**Cyprus**

**Reporting Form 4.5: Deadwood**

**Pan-European indicator 4.5:** Volume of standing and of lying deadwood on forest and other wooded land, classified by forest type.

**Related SoEF definitions:** Forest, Other wooded land, Deadwood.

**Table 4.5a: Deadwood**

Category	Year	Volume of deadwood		
		Total	Standing	Lying
Forest	2010	n.a.	0,940	n.a.
	2005	n.a.	0,940	n.a.
	2000	n.a.	0,940	n.a.
	1990	n.a.	0,710	n.a.
Other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.
Total forest and other wooded land	2010	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.
<b>Volume of deadwood in FOWL by species groups:</b>				
Coniferous	2005	n.a.	0,940	n.a.
Broadleaved	2005	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Standing deadwood	Only available for forest areas	
Lying deadwood	No data available	

**Specification of threshold values:**



<b>Cyprus</b>
<b>Reporting Form 4.6: Genetic resources</b>
<b>Reporting Form 4.7: Landscape pattern</b>
<p>The data/information for these Indicators will be provided separately by International Data Providers (Bioversity International and EC JRC). Data/information for Indicator 4.6 will be presented to National Correspondents before it is published, and data/information for Indicator 4.7. will be presented in the Publication in the form of maps. Technical Specifications for reporting by IDPs is available in a separate document prepared for your information.</p>

Cyprus

Reporting Form 4.8: Threatened forest species

**Pan-European indicator 4.8:** Number of threatened forest species, classified according to IUCN Red List categories in relation to total number of forest species.

**Related SoEF definitions:** Forest species, Vulnerable, Endangered, Critically endangered, Extinct in the wild.

Table 4.8: Threatened forest species

Category	Year	Total of taxa	Threatened forest species			
			Vulnerable	Endangered	Critically endangered	Extinct in the wild
			Absolute number			
Trees	2010	35	1	1	1	0
	2005	35	1	0	0	0
	2000	35	1	0	0	0
	1990	35	1	0	0	0
Birds	2010	440	0	3	0	3
	2005	440	3	3	3	3
	2000	440	3	3	3	3
	1990	440	3	3	3	3
Mammals	2010	28	0	8	0	0
	2005	28	1	0	0	0
	2000	28	1	0	0	0
	1990	28	1	0	0	0
Other vertebrates	2010	22	1	1	0	0
	2005	22	1	1	0	0
	2000	22	1	1	0	0
	1990	22	1	1	0	0
Invertebrates	2010	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Vascular plants	2010	1738	67	14	8	7
	2005	1738	8	9	0	0

Cryptogams and fungi	2000	1738	8	9	0	0
	1990	1738	8	9	0	0
	2010	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	Red lists regarding Cyprus living organisms,	
Endangered trees	Data regarding trees are included in	
Endangered birds	So far 370 bird species have been record in	
Endangered mammals	National Red list for mammals is not yet	
Endangered other vertebrates	National Red list for vertebrates is not yet	
Endangered invertebrates		
Endangered vascular plants	The figures given, concerns the threaten	
Endangered cryptogams and fungi		
The year and data reported for 2010		

**Complementary information:**

Item	Related information
Please specify which main taxa in the table and reporting notes are not assessed in your country	lvertebrates, Cryprogams and fungi

**Reporting notes:**

1. Data sources: please report data sources separately for threat classes in case sources differ.
2. For 2010, please provide data or estimates for the most recent year available, and indicate the year and data status in "Country comments".
3. Detailed national Red Lists should be used whenever possible.

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 4.8 Category	Year(s)	Type of inventory	Additional comments
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[illegible]

Cyprus

Reporting Form 4.9: Protected forests

**Pan-European indicator 4.9:** Area of forest and other wooded land protected to conserve biodiversity, landscapes and specific natural elements, according to MCPFE Assessment Guidelines.

**Related SoEF definitions:** Forest, Other wooded land, MCPFE Classes 1.1, 1.2, 1.3, and Class 2.

Table 4.9: Protected forests

Category	Year	MCPFE Class 1.1	MCPFE Class 1.2	MCPFE Class 1.3	MCPFE Class 2
		(1000 ha)			
Forest	2010	3,387	13,448	0	0
	2005	3,387	13,448	0	0
	2000	3,387	10,584	0	0
	1990	0,764	2,300	0	0
Other wooded land	2010	1,401	8,173	0	0
	2005	1,401	8,173	0	0
	2000	1,401	6,144	0	0
	1990	0,059	5,050	0	0
Total forest and other wooded land	2010	4,788	21,621	0	0
	2005	4,788	21,621	0	0
	2000	4,788	16,728	0	0
	1990	0,823	7,350	0	0

Category	Year	Natura 2000 - total area *	MCPFE Protected Forest Areas overlapping with Natura 2000 areas				Natura 2000 areas with landscape management outside MCPFE Class 2
			MCPFE Class 1.1	MCPFE Class 1.2	MCPFE Class 1.3	MCPFE Class 2	
		(1000 ha)					
Forest	2010	47,63	3,39	n.a.	0,00	0,00	n.a.
	2005	41,63	3,38	7,90	0,00	0,00	n.a.

	2000	0,00	0,00	0,00	0,00	0,00	n.a.
Other wooded land	2010	21,72	0,48	n.a.	0,00	0,00	n.a.
	2005	51,78	0,48	6,05	0,00	0,00	n.a.
	2000	0,00	0,00	0,00	0,00	0,00	n.a.
Total forest and other wooded land	2010	69,35	3,86	n.a.	0,00	0,00	n.a.
	2005	93,41	3,86	13,95	0,00	0,00	n.a.
	2000	0,00	0,00	0,00	0,00	0,00	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
FOWL: MCPFE Class 1.1		
FOWL: MCPFE Class 1.2		
FOWL: MCPFE Class 1.3		
FOWL: MCPFE Class 2		
Natura 2000 areas with landscape management outside MCPFE Class 2		

**Reporting notes:**

1. MCPFE classes: see “ <i>Terms and Definitions</i> ”, and MCPFE Assessment Guidelines as well as the relevant Explanatory Note.
2. Using the data reported for the “ <i>State of Europe’s Forest s 2007</i> ” ( <a href="http://www.unece.org/timber/tc-publ.htm">http://www.unece.org/timber/tc-publ.htm</a> ) as the basis, please determine status of protection of the areas reported in the different protection classes in your country for the years 1990, 2000 and 2005 as far as possible. Please document the process for further reference and use “Country comments” for reporting on major aspects. Please also indicate the reason for changing the figures, if new data will replace previously reported results.
3. Data for 2010 may require the use of extrapolation, if updated information is not available. Determining state for “ <i>Reference year 2010</i> ”: please assess status of each sub-class for the most recent year as far as possible.
4. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.
5. For reporting of Natura 2000 areas by EU countries, pl., see the Explanatory Note.
6. In the first reporting column of Table 4.9b “Natura 2000 - total area” should be reported total areas of forest, OWL and FOWL, respectively, under Natura 2000 and should not be limited to areas in MCPFE classes 1.1, 1.2, 1.3 and 2 and other Natura 2000 areas with landscape management shown in the rest of the table.

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 4.9 Category	Year(s)	Type of inventory	Additional comments
Department of Forests	H	all	all	M	

\* The area of Natura-2000 sites proposed in 2004 covers areas in the occupied part of Cyprus. These areas have been excluded in 2009. This is the reason why the area of Natura-2000 sites drops between 2005 and 2010.

Cyprus

Reporting Form 5.1: Protective forests – soil, water and other ecosystem functions

**Pan-European indicator 5.1:** Area of forest and other wooded land designated to prevent soil erosion, to preserve water resources, or to maintain other forest ecosystem functions, part of MCPFE Class “*Protective Functions*”.

**Related SoEF definitions:** Forest, Other wooded land, MCPFE Class 3.

Table 5.1: Protective forests – soil, water and other ecosystem functions

Category	Year	Soil, water and other forest ecosystem functions Subclass of MCPFE Class 3	Natura-2000 areas with protective functions outside MCPFE Class 3
		(1000 ha)	
Forest	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	
Other wooded land	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	
Total forest and other wooded land	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	

Country comments:

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Soil, water and other forest ecosystem functions - Subclass of MCPFE Class 3	<del>No forest areas or OWL are explicitly designated for the protection of soil, water and ecosystem functions</del>	
Natura-2000 areas with protective functions outside MCPFE Class	<del>None of the Natura-2000 areas are explicitly designated for the protection of soil, water and ecosystem functions</del>	

Reporting notes:

1. MCPFE classes: see “*Terms and Definitions*”, and MCPFE Assessment Guidelines as well as the relevant Explanatory Note.
2. Using the data reported for the “*State of Europe’s Forests 2007*” (<http://www.unece.org/timber/tc-publ.htm>) as the basis, please determine status of protection of the areas reported in the different protection classes in your country for the years 1990, 2000 and 2005 as far as possible. Please document the process for further reference and use “Country comments” for reporting on major aspects. Please also indicate the reason for changing the figures, if new data will replace previously reported results.
3. Data for 2010 may require the use of extrapolation, if updated information is not available. Determining state for “*Reference year 2010*”: please assess status of each sub-class for the most recent year as far as possible.
4. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.
5. For reporting of Natura 2000 areas by EU countries, pl., see the Explanatory Note.

**Data sources:**

[illegible]

Cyprus

Reporting Form 5.2: Protective forests – infrastructure and managed natural resources

**Pan-European indicator 5.2:** Area of forest and other wooded land designated to protect infrastructure and managed natural resources against natural hazards, part of MCPFE Class “*Protective Functions*”.

**Related SoEF definitions:** Forest, Other wooded land, MCPFE Class 3.

Table 5.2: Protective forests – infrastructure and managed natural resources

Category	Year	Infrastructure and managed natural resources Subclass of MCPFE Class 3	Natura-2000 areas with protective functions outside MCPFE Class 3
		(1000 ha)	
Forest	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	
Other wooded land	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	
Total forest and other wooded land	2010	0	0,00
	2005	0	0,00
	2000	0	0,00
	1990	0	

Country comments:

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Infrastructure and managed natural resources - Subclass of MCPFE Class 3	<b>No forest areas or OWL are explicitly designated for the protection of infrastructure</b>	
Natura 2000 areas with protective functions outside MCPFE Class 3	<b>None of the Natura-2000 areas are explicitly designated for the protection of</b>	

**Reporting notes:**

- |   |
|---|
| 1. The intention of this indicator is to identify those forests where protection of infrastructure and managed natural resources is the primary management objective. “ <i>Infrastructure</i> ” includes roads, railways, settlements, buildings, etc. “ <i>Natural resources</i> ” includes e.g. agricultural land, vineyards, orchards. This class also includes protective forests with the primary management objective being the protection of humans (e.g. from noise or visibility protection).  |
| 2. MCPFE classes: see “ <i>Terms and Definitions</i> ”, and MCPFE Assessment Guidelines as well as the relevant Explanatory Note.   |
| 3. Using the data reported for the “ <i>State of Europe’s Forest s 2007</i> ” ( <a href="http://www.unece.org/timber/tc-publ.htm">http://www.unece.org/timber/tc-publ.htm</a> ) as the basis, please determine status of protection of the areas reported in the different protection classes in your country for the years 1990, 2000 and 2005 as far as possible. Please document the process for further reference and use “ <i>Country comments</i> ” for reporting on major aspects. Please also indicate the reason for changing the figures, if new data will replace previously reported results. |
| 4. Data for 2010 may require the use of extrapolation, if updated information is not available. Determining state for “ <i>Reference year 2010</i> ”: please assess status of each sub-class for the most recent year as far as possible.   |
| 5. Data sources: please specify sources separately for forest, other wooded land and total FOWL if sources differ.  |
| 6. For reporting of Natura 2000 areas by EU countries, pl., see the Explanatory Note.   |

**Data sources:**

[illegible]

**Cyprus**

**Reporting Form 6.1: Forest holdings**

**Pan-European indicator 6.1:** Number of forest holdings, classified by ownership categories and size classes.

**Related SoEF definitions:** Forest, Forest holding, Forms of ownership, Forest ownership, Public ownership, Private ownership, Other ownership.

**Table 6.1: Forest holdings**

Category	Year	Total forest area (1000 ha)	Total number of holdings	Number of forest holdings in size classes				
				≤10 ha	11 -100 ha	101 - 500 ha	501 - 10,000 ha	>10,000 ha
In public ownership	2010	119,052	4	0	0	0	1	3
	2005	118,841	4	0	0	0	1	3
	2000	117,600	4	0	0	0	1	3
	1990	105,800	4	0	0	0	1	3
In private ownership	2010	54,130	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	2005	54,010	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	2000	54,010	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	55,310	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other ownership	2010	0	0	0	0	0	0	0
	2005	0	0	0	0	0	0	0
	2000	0	0	0	0	0	0	0
	1990	0	0	0	0	0	0	0

**Country comments:**

Category	Comments related to data, definitions, etc	Comments on trend(s)
General comments	Data refer to forests and not to FOWL	
Number of holdings in public ownership	Data are only available for state forests. These are separated into four forest divisions	
Number of holdings in private ownership	No data are available for private forest holding ownership	
Number of holdings in other ownership		



Cyprus

Reporting Form 6.2: Contribution of forest sector to GDP

**MCPFE indicator 6.2:** Contribution of forestry and manufacturing of wood and paper products to  
**Related SoEF definitions:** Gross Domestic Product, Gross Value Added, ISIC/NACE

**Table 6.2: Gross Value Added**

Category	Year	Gross Value Added	
		Euro/ECU	% of total GVA
		(million)	
Forestry (ISIC/NACE 02)	2010	n.a	n.a
	2005	2,1	0,018
	2000	2,4	0,027
	1990	3,8	0,091
Manufacture of wood and articles in wood (ISIC/NACE 20)	2010	n.a	n.a
	2005	79,2	0,654
	2000	56,9	0,622
	1990	29,2	0,696
Manufacture of paper and paper products (ISIC/NACE 21)	2010	n.a	n.a
	2005	26,1	0,216
	2000	20,0	0,219
	1990	44,4	1,057

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	No data are available for years after	
Forestry		
Manufacture of wood and articles in wood		
Manufacture of paper and paper products		
The year and data reported for 2010		

**Reporting notes:**

1. For the estimation of contribution to Gross Domestic Product (GDP), data on Gross Value Add GDP can be defined as:  $GVA + \text{taxes on products} - \text{subsidies on products} = GDP$ .

2. For 2010, please provide data or estimates for the most recent year available, and indicate the

3. Data on GVA for each economic activity should be available from the National Accounts preparation

4. Figures for each year should be converted from national currency to Euro (or ECU for 1990) us

5. The main sources for value-added are the following:

1) For EU/EFTA countries

a. Eurostat - National accounts

( [http://epp.eurostat.ec.europa.eu/portal/page/portal/national\\_accounts/data/database](http://epp.eurostat.ec.europa.eu/portal/page/portal/national_accounts/data/database) )

b. Eurostat - Annual detailed enterprise statistics - industry and construction (<http://epp.eurostat.ec.europa.eu>)

2) For other countries (non-EU):

a. UNIDO International Yearbook of Industrial Statistics (<http://www.unido.org/index.php?id=o>

b. UNdata - National Accounts Official Country Data (<http://data.un.org/Explorer.aspx?d=SNA>)

(3) For all countries (in case statistics cannot be found in Eurostat & UNIDO), statistics available

a. <http://www.fao.org/docrep/011/k4588e/k4588e00.htm> (see pages 61 to 65)

b. SoEF 2007, see page 158

6. Sources of pre-filled data:

Eurostat Database on National Accounts (2010).

\*/ Eurostat Integrated Environmental and Economic Accounting for Forests (IEEAF).

**Data sources:**

[illegible]

gross domestic product

ed (GVA) should be used. GVA measures the contribution to the economy of each individual producer, industry or sector in the country. The link between GVA and

year and data status in “Country comments”.

red by the country's national statistical authority. If a different source is used, please explain in comments.

using average exchange rate for that year (as reported in the table in the introduction).

stat.ec.europa.eu/portal/page/portal/european\_business/data/database )

3472 )

le from national Statistics Offices should be checked; main links to the list of sources by country are listed in the publications below:

Additional comments

[illegible]

## Cyprus

## Reporting Form 6.3: Net revenue

**Pan-European indicator 6.3:** Net revenue of forest enterprises.

**Related SoEF definitions:** Factor income, Net entrepreneurial income.

**Table 6.3: Factor income and entrepreneurial income**

Category	Year	Factor income	Net entrepreneurial income
		Euro/ECU (million)	Euro/ECU (million)
Forestry (ISIC/NACE 02)	2010	n.a.	n.a.
	2005	n.a.	n.a.
	2000	n.a.	n.a.
	1990	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	No data area available at the Statistical Service	
Factor income		
Entrepreneurial income		
The year and data reported for 2010		

**Reporting notes:**

1. For countries that completed EUROSTAT Economic Accounts for Forestry, or the economic accounts table in IEEAF, this table has been pre-filled to the extent possible using data from EUROSTAT. These should be validated by the national correspondent, consulting with the person responsible for reporting to EUROSTAT. If information is not available from this source, please consult a statistician responsible for National Accounts, who may be able to assist.

2. **Factor income** measures the remuneration of all factors of production (land, capital, labour) and represents all the value generated by a unit engaged in a production activity. It can be derived from **Gross Value Added (GVA)** by deducting **fixed capital consumption** (depreciation) to get **net value added**, and then adjusting from basic prices to **factor cost** by subtracting any taxes on production and adding any subsidies on production.

3. **Net entrepreneurial income** measures the return to the forestry business owner, and consists of the compensation of unpaid labour, remuneration from land belonging to units and the yield arising from the use of capital. It can be derived from **factor income** by subtracting compensation of employees to get **operating surplus**, and then adding any interest received by forestry units organized as companies and deducting any rent and interest payments.

4. For 2010, please provide data or estimates for the most recent year available, and indicate the year and data status in "Country comments".

5. Figures for each year should be converted from national currency to Euro (or ECU for 1990) using average exchange rate for that year (as reported in the table in the introduction).

6. Source of definitions: Manual on the economic accounts for Agriculture and Forestry EAA/EAF 97 (Rev. 1.1). [http://europa.eu.int/estatref/info/sdds/en/cosa/eaaf/rev1\\_1.pdf](http://europa.eu.int/estatref/info/sdds/en/cosa/eaaf/rev1_1.pdf)

## 7. Sources of pre-filled data:

1990, 2000: Eurostat Economic Accounts for Agriculture and Forestry

**\*/ National figures**

2005, 2010: Eurostat Integrated Environmental and Economic Accounting for Forests

## Data sources:

[illegible]

**Cyprus**

**Reporting Form 6.4: Expenditures for services**

**Pan-European indicator 6.4:** Total expenditures for long-term sustainable services from forests.

**Related SoEF definitions:** Forest, Other wooded land, Government expenditures.

**Table 6.4: Government expenditures for forest services**

Category	Year	Euro/ECU (million)
Ecological services	2010	n.a.
	2005	n.a.
	2000	n.a.
	1990	n.a.
Biospheric services	2010	n.a.
	2005	n.a.
	2000	n.a.
	1990	n.a.
Social and amenity services	2010	0,967
	2005	2,396
	2000	4,106
	1990	5,923
Other services	2010	n.a.
	2005	n.a.
	2000	n.a.
	1990	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	Insufficient data for expenditure for forest	
Ecological services		
Biospheric services		
Social and amenity services	Sufficient data only for services related to forest	
Other services		
The year and data reported for 2010		

**Reporting notes:**

1. For more information about forest services classification please look at reporting note 2 in “ <i>Reporting form 3.4</i> ”
2. The reported expenditures should consist of government expenditures to provide or to stimulate others to provide long-term forest services. They should be limited to expenditures applied directly to forests, to enhance or to maintain the environmental capital. They should exclude any related expenditures on research or education, and should also exclude any current expenditures involved in delivering services (e.g. staff to look after visitors). If information is only available on a different basis, please provide whatever data best matches this description and provide details in “ <i>Country comments</i> ”.
3. Reference area for reporting is “ <i>Total FOWL</i> ”, not further divided into sub-classes “ <i>Forest</i> ” and “ <i>Other wooded land</i> ”. If data are available for sub-class “ <i>Forest</i> ” only, please report on this sub-class and provide note under “ <i>Country comments</i> ”.
4. If data are available only for certain forest areas or ownership classes (e.g. state forests), but not for others, data should be reported for these areas or classes, which should be specified in “ <i>Country comments</i> ”.
5. The class “ <i>Ecological Services</i> ” includes expenditures for maintaining and enhancing the natural habitat and biological diversity and contracts for conservation.
6. The class “ <i>Biospheric Services</i> ” includes expenditures to maintain protective forests against natural hazards, for preventing soil erosion or for protecting water quality.
7. The class “ <i>Social and amenity services</i> ” includes expenditures for developing or managing outdoor recreation areas or trails for mountain biking, horse riding, skiing and other recreational activities.
8. The class “ <i>Other services</i> ” includes expenditures on any aspects not covered above, e.g. to maintain cultural or spiritual values.
9. For 2010, please provide data or estimates for the most recent year available, and indicate the year and data status in “ <i>Country comments</i> ”.
10. Figures for each year should be converted from national currency to Euro (or ECU for 1990) using average exchange rate for that year (as reported in the table in the introduction).

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 6.4 Category	Year(s)	Additional comments
Department of Forests annual reports	M	Social and Amenity Services	all	

[illegible]

## Cyprus

## Reporting Form 6.5: Forest sector workforce

**Pan-European indicator 6.5:** Number of persons employed and labour input in the forest sector, classified by gender and age group, education and job characteristics.

**Related SoEF definitions:** Labour Force Survey, Education, Job characteristics.

**Table 6.5a: Employment (thousand FTE) by gender and age**

Category	Year	Total	Gender		Age group	
			Male	Female	15-49	50+
Forestry (ISIC/NACE 02)	2010	0,76510	0,68100	0,08410	0,50061	0,26449
	2005	0,74505	0,60324	0,14181	0,51724	0,22781
	2000	0,70834	0,40088	0,30746	0,44032	0,26801
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Manufacture of wood and articles in wood (ISIC/NACE 20)	2010	3,59026	3,25903	0,33123	2,22893	1,36133
	2005	3,05236	2,84387	0,20849	2,17382	0,87854
	2000	2,77633	2,63154	0,14479	2,19149	0,58484
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Manufacture of paper and paper products (ISIC/NACE 21)	2010	0,36545	0,20073	0,16472	0,23496	0,13049
	2005	0,47230	0,16811	0,30419	0,32563	0,14667
	2000	0,47729	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

**Table 6.5b: Employment (thousand FTE) by education and job characteristics**

Category	Year	Education (Categories ISCED 1997)			Job characteristics	
		0-2	3-4	5-6	Employees	Self-employed
Forestry (ISIC/NACE 02)	2010	0,31352	0,25263	0,19895	0,76009	0,00501
	2005	0,36748	0,22613	0,15144	0,70741	0,03764
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Manufacture of wood and articles in wood (ISIC/NACE 20)	2010	2,02555	1,54809	0,01662	1,90290	1,68736
	2005	1,67318	1,34188	0,03730	1,73073	1,32163
	2000	2,11608	0,64018	0,02007	1,57679	1,19955
	1990	n.a.	n.a.	n.a.	n.a.	n.a.
Manufacture of paper and paper products (ISIC/NACE 21)	2010	0,14061	0,24453	0,00000	0,36545	0,00000
	2005	0,26162	0,22217	0,00000	0,53592	0,00000
	2000	n.a.	n.a.	n.a.	n.a.	n.a.
	1990	n.a.	n.a.	n.a.	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc	Comments on trend(s)
General comments	no or insufficient data for 1990 and 2000	
Total employment		
Employment by gender		
Employment by age group		
Employment by education level		
Employment by job characteristics		
The year and data reported for 2010		

**Complementary information:**

Item	Related information
Scope of employment reported (if not from LFS)	
Comments on employment which is not covered by the sources used	

**Reporting notes:**

1. The recommended source for all data is the Labour Force Survey (LFS), which provides all the breakdowns requested. If LFS data are not available, please provide the best statistics or estimates from other sources. If using other sources, e.g. survey of businesses, note that the desired scope includes the self-employed, and that forestry (ISIC/NACE02) is limited to those working primarily in forestry, so excludes e.g. agricultural workers who undertakes some forestry work, or government employees classified as public administration.
2. Countries should extrapolate from the available data to provide estimates for all years requested in the table. For countries in which sample data are based on relatively small numbers in forest sectors, it is recommended to pool data and calculate averages for 3 or 5-year periods around the reporting dates. EUROSTAT will provide the annual data available, with an indication of sample sizes or other indicators of reliability, to enable national correspondents to judge how best to present the data.
3. Report numbers as thousands of full-time equivalent (FTE).
4. If estimating the breakdown by education level using other sources, note that categories 0-2 covers those with no more than lower secondary education, categories 5-6 cover those with tertiary (higher) education, and categories 3-4 cover all others ( other secondary and post-secondary), for more details see terms and definitions.
5. The category 'self-employed' should also include unpaid family workers.
6. For 2010, please provide data or estimates for the most recent year available, and indicate the year and data status in " <i>Country comments</i> ".
7. In order to obtain more reliable data, average values from three years have been calculated for pre-filling: 1990: 1992-1994 2000: 1999-2001 2005: 2004-2006 2010: 2006-2008

8. Source of pre-filled data: Eurostat Labour Force Survey

**Data sources:**

[illegible]

Cyprus

Reporting Form 6.6: Occupational safety and health

**Pan-European indicator 6.6:** Frequency of occupational accidents and occupational diseases in forestry.

**Related SoEF definitions:** Occupational accident, Occupational disease.

**Table 6.6: Occupational accidents**

Category	Year	Fatal occupational accidents		Non-fatal occupational accidents	
		Number	Annual rate per 1000 workers	Number	Annual rate per 1000 workers
Forestry (ISIC/NACE 02)	2010	0,00	0	12,00	12,678
	2005	0,20	0,24	13,20	15,846
	2000	0,00	0	6,20	9,254
	1990	n.a.	0	n.a.	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
General comments	Data given for 2010 are the	
Fatal accidents		insignificant
Non-fatal accidents	Only partial data for 2000	The increase in the number of non-fatal
Any comments on occupational diseases		

**Complementary information:**

Item	Related information
Threshold for reporting non-fatal accidents:days of absence	accidents causing injuries regardless of absence from work

**Reporting notes:**

1. Note that rates are expressed per 1000 workers. This is a change from SoEF 2007, which gave rates per 100 workers.
2. Occupational accidents are occurrences arising out of or in the course of work which result in fatal or non-fatal occupational injury.
3. Figures to be reported are for forestry (ISIC/NACE 02). Do not include injuries in wood processing or injuries to the public visiting forests.

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| 4. A possible threshold for reporting a non-fatal accident is whether it results in over 3 days absence from work, but different thresholds may be used for national reporting. Please indicate the threshold used in country specifications.   |
| 5. Figures are not requested for occupational diseases, because of the lack of data. If information is available for occupational diseases, please include and explain this in country comments.  |
| 6. Figures for the reporting years refer to the averages for the 5-year periods 1988-1992, 1998-2002 and 2003-2007 respectively, i.e. not the data for the “ <i>central year</i> ” (1990, 2000, 2005) noted in the Table above, e.g. 2003-2007 instead of 2005. For 2010 - average values |

**Data sources:**

[illegible]

<b>Cyprus</b>
<b>Reporting Form 6.7: Wood consumption</b>
<b>Reporting Form 6.8: Trade in wood</b>
The data / information for these Indicators will be provided separately by the International Data Provider (UNECE-JFSQ), and it will be presented to National Correspondents before it is published. Technical Specifications for reporting by IDPs is available in a separate document prepared for your information.

Cyprus

Reporting Form 6.9: Energy from wood

**Pan-European indicator 6.9:** Share of wood energy in total energy consumption, classified by origin of wood.

**Related SoEF definitions:** Forest, Other wooded land, Forest available for wood supply, Trees outside forests, Total Primary (energy) production, Gross inland (energy) consumption, Direct wood fibre sources, Chips and particles, Wood residues, Black liquor, Energy from processed wood-based fuels, Wood pellets, Briquettes, Charcoal, Wood-based ethanol, Wood-based biodiesel, Post consumer recovered wood.

**Table 6.9: Total energy production from wood**

Category	Reference year 2007	
	(TJ/yr)	(million metric tonnes dry matter/yr)
<b>Total national primary energy consumption:</b>	n.a.	
<b>Total national primary energy production:</b>	n.a.	
<b>Total energy production from wood:</b>	138,0	0,0066
<b>Energy from direct wood fibre sources:</b>	34,9	0,0017
Forests & other wooded land:	17,4	0,0008
Other land (trees outside forests):	17,4	0,0008
<b>Energy from co-products and residues of the wood processing industries:</b>	13,3	0,0006
Solid residues (chips, particles, wood residues, bark, <i>excluding</i> processed wood-based fuels):	13,3	0,0006
Liquid residues from pulp and paper industry (mainly black liquors)	0,0	0,0000
<b>Energy from processed wood-based fuels (pellets, briquettes, charcoal, wood-based ethanol and wood-based biodiesel):</b>	89,8	0,0043
<b>Energy from post consumer recovered wood:</b>	0,0	0,0000

**Country comments:**

References to sources of information	Comments related to data, definitions, etc	Comments on trend(s)* /
General comments	Use of data from Department of Forests' Quarterly Reports on wood fellings and removals	

\* / Table 6.9 demands information for 2007 only, information on observed trends is welcome.

**Complementary information:**

Item	Related information
Approach to calculate or estimate wood directly from forests and outside forests (marketed and self-consumption)	No data are available for self-consumption
Conversion factors used to convert to energy/from energy units	1m <sup>3</sup> of wood = 0.690 tons, 1 ton = 0.38 toes, 1 toes = 0.041869 TJ

**Reporting notes:**

1. Post consumer recovered wood: Used wood arising from construction of buildings or from civil engineering works. Recovered wood from transport (pallets) well as used wood arising from construction or demolition of buildings or from civil engineering works. (*source*: UNECE Joint Wood Energy Enquiry 2007).
2. The categories in the reporting form are fully consistent with the main categories requested by the Joint Wood Energy Enquiry (JWEE). Countries that resp requested to provide consistent values for the indicator 6.9 and for the JWEE. Note that the total Energy from direct wood fibre sources may include energy p unspecified source; the total value for this category could be larger than the sum of energy from Forests & other wooded land and Other land (trees outside fo
3. Reporting on wood energy is also requested by the European Union - National Renewable Energy Action Plan (NREAP). The Reporting form 6.9 categories NREAP reporting, countries are encouraged to use data reported for the Commission's template for the national renewable energy action plans ([http://ec.europa.eu/energy/renewables/transparency\\_platform\\_en.htm](http://ec.europa.eu/energy/renewables/transparency_platform_en.htm)), if applicable.

**Data sources:**

References to sources of information	Quality (H/M/L)	Table 6.9 Categories		Year(s) / annual
UNECE Joint Wood Energy Enquiry	H	all		2007

\*TJ, m<sup>3</sup>, metric tonnes dry matter, etc.



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**Cyprus**

**Reporting Form 6.10: Accessibility for recreation**

**Pan-European indicator 6.10:** Area of forest and other wooded land where public has a right of access for recreational purposes and indication of intensity of use.

**Related SoEF definitions:** Forest, Other wooded land, Access for recreation, Main management goal, Visit.

**Table 6.10: Accessibility for recreation and intensity of use**

Category	Year	Area with access available to the public for recreational purposes		Area with recreational use as one main management goal		Intensity of use
		Total (1000 ha)	% of total	Total (1000 ha)	% of total	Annual number of visits (million)
Total forest and other wooded land	2005	156,540	40,480	15,627	4,041	0,642
	2000	156,540	40,610	10,754	2,790	n.a.
	1990	157,786	44,310	0,974	0,273	n.a.

**Country comments:**

Category	Comments related to data, definitions, etc.	Comments on trend(s)
Area with access available to the public for recreational purposes	Area with access for recreational purposes	
Area with recreational use as one main management goal	Area with recreational use as the main management objective	
Intensity of use		

**Complementary information:**

Item	Related information
Criteria used to include areas in "Access available to the public for recreational purposes"	Areas where trespassing is not prohibited
Criteria used to include areas in "Area with recreation as one main management goal"	Areas where the primary management objective is forest recreation

**Reporting notes:**



**Cyprus**

**Reporting Form 6.11: Cultural and spiritual values**

**MCPFE indicator 6.11:** Number of sites within forest and other wooded land designated as having cultural or spiritual values.

**Related SoEF definitions:** Forest, Other wooded land, Cultural and spiritual values, Cultural heritage, Forested landscapes with cultural & spiritual values, Trees with cultural & spiritual values, Other sites with cultural and spiritual values.

**Table 6.11: Cultural and spiritual values**

Category	Year	Cultural heritage		Forested landscapes	Trees	Other sites
		Total	of which: associated with historic forest management			
			(Number of sites)			
Sites with recognized cultural & spiritual values in forest and other wooded land	2005	34	n.a.	45	41	n.a.

**Country comments:**

Category	Comments related to data, definitions and trends
Number of cultural heritage sites	These are officially and explicitly designated protected Cultural
Number of forested landscapes with cultural & spiritual values	This refer to protected cliffs, gorges and mountain tops.
Number of trees with cultural & spiritual values	These refer to officially protected century old trees and stand of trees, giant trees, trees and stands with historical, environmental and
Number of other sites with cultural & spiritual values	

**Reporting notes:**

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| 1. Sites reported here should be sites that are officially and explicitly designated for the protection of cultural and spiritual values and/or are officially recognized for such values, e.g. through governmental bodies, and/or are formally recorded, e.g. in a national database of veteran trees. Please provide a note under “ <i>Country comments</i> ” to indicate which type of recognition applies to the data in each category. |
| 2. The reference area for reporting is “ <i>Total FOWL</i> ” only, not further divided into sub-classes “Forest” and “Other wooded land”. If data are available for sub-class “Forest” only, please report on this sub-class and provide note under “ <i>Country comments</i> ”.   |
| 3. If data are only available for certain forest areas or ownership classes (e.g. state forests), please report these data and provide a note in “ <i>Country comments</i> ” to indicate the area (ha) and/or reference to the ownership class.  |
| 4. The reporting year is 2005, although data for other recent years may be used if considered to be more accurate. Please record the year that the data applies to under “ <i>Country comments</i> ”.  |
| 5. Please record each site only once under the category that best reflects its recognized value or designation. Sites may overlap; for example a cultural heritage feature may be located within a larger site recorded under “ <i>Forested landscapes</i> .”  |
| 6. Please provide details under “ <i>Country comments</i> ” on which types of sites are included for each category.  |

**Data sources:**

[illegible]