

Forestry statistics

2007 edition



EUROPEAN COMMISSION

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Luxembourg: Office for Official Publications of the European Communities, 2007

ISBN 92-79-02956-8

Cat. No. KS-76-06-322-EN-N

(Cat. No. printed publication KS-76-06-322-EN-C)

Theme: Agriculture and fisheries

Collection: Pocketbooks

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Introduction

This publication presents Eurostat's forestry statistics for the EU, EU candidate countries and EFTA for the period 1995-2005. It summarises Eurostat data most relevant to the forestry sector. It also contains forestry related data produced and usually published by other international organisations, to provide the reader with a broad view of this sector.

Data on forest resources have thus been taken from the Food and Agriculture Organisation's (FAO) Forest Resources Assessment (FRA) for 2005, while Joint Research Centre (JRC) has provided both forest maps and whole chapters on forest fires and forest condition.

This pocketbook is divided into two main parts. The first part gives a general description of forest resources, forest ownership, forest condition, employment in the forestry sector, the contribution of this sector to national GDP and the share of energy produced using wood-based material.

The second part is devoted to the production and trade of wood and wood products. It is based on data from the Joint Forest Sector Questionnaire, which is the result of cooperation among Eurostat, UNECE, FAO and ITTO.

Tables and figures based on Eurostat data refer mainly to the Eurostat's free dissemination database at the time of writing.

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Symbols and abbreviations

Symbols

:	no data available
.	not applicable
0	figure less than half of the unit used
-	nil (zero)
%	percentage
n.s.	not significant

Units of measurements

d.b.h.	(diameter at breast height, 1.3 m)
ha	hectare
m	metre
m ³	cubic metre
m ³ o.b.	cubic metre, overbark
mt	metric ton

Country abbreviations (EU)

EU-27	the EU of 27 Member States from 1.1.2007
EU-25	the EU of 25 Member States
BE	Belgium
BG	Bulgaria
CZ	Czech Republic
DK	Denmark
DE	Germany
EE	Estonia
IE	Ireland
EL	Greece
ES	Spain
FR	France
IT	Italy
CY	Cyprus
LV	Latvia
LT	Lithuania
LU	Luxembourg
HU	Hungary
MT	Malta
NL	Netherlands
AT	Austria
PL	Poland
PT	Portugal
RO	Romania
SI	Slovenia
SK	Slovakia
FI	Finland
SE	Sweden
UK	United Kingdom

EFTA countries

IS	Iceland
LI	Liechtenstein
NO	Norway
CH	Switzerland

Candidate countries

HR	Croatia
MK	Former Yugoslav Republic of Macedonia
TR	Turkey

Other countries

CA	Canada
RU	Russian Federation
US	United States

Other abbreviations

EFI	European Forest Institute
EFFIS	European Forest Fire Information System
EFTA	European Free Trade Association
FAO	Food and Agricultural Organisation of the United Nations
FOWL	Forest and other wooded land
FRA	Forest Resources Assessment(s)
ICP	International Cooperative Programme of Assessment and Monitoring of Air Pollution Effects on Forests
ITTO	International Tropical Timber Organisation
JRC	Joint Research Centre
NACE	Nomenclature statistique des Activités économiques dans la Communauté Européenne (statistical classification of economic activities in the European Community)
NOAA	National Oceanic and Atmospheric Administration
NUTS	Nomenclature of territorial units for statistics (Eurostat)
OSB	Oriented Standard Board
UNECE (ECE)	United Nations Economic Commission for Europe

General Description of Forest Sector



Forest Resources and ownership

chapter 1

1. Forest Resources and ownership

The information in this chapter is based on the final results of the Forest Resources Assessment (FRA) 2005, which is the latest in a series of surveys of the FRA process led by the FAO Forestry Department every 5 years.

Forest is defined as land with tree crown cover (or equivalent stocking level) of more than 10% and area of more than 0.5 ha. The trees should be able to reach a minimum height of 5 m at maturity in situ. It may consist of either closed forest formations, where trees of various storeys and undergrowth cover a high proportion of the ground, or of open forest formations, with a continuous vegetation cover, in which tree crown cover exceeds 10% of the area. Young natural stands and all plantations established for forestry purposes that have yet to reach a crown density of 10%, or a tree height of 5 m, are included under forest. This is because they are areas that normally form part of the forest area, that are temporarily unstocked as a result of human intervention or natural causes, but that are expected to revert to forest.

Other Wooded Land is land either with a tree crown cover (or equivalent stocking level) of 5-10% of trees able to reach a height of 5 m at maturity in situ, or a crown cover (or equivalent stocking level) of more than 10% of trees not able to reach a height of 5 m at maturity in situ (e.g. dwarf or stunted trees) and shrub or bush cover.

FOWL is the total of *Forest* and *Other Wooded Land*.

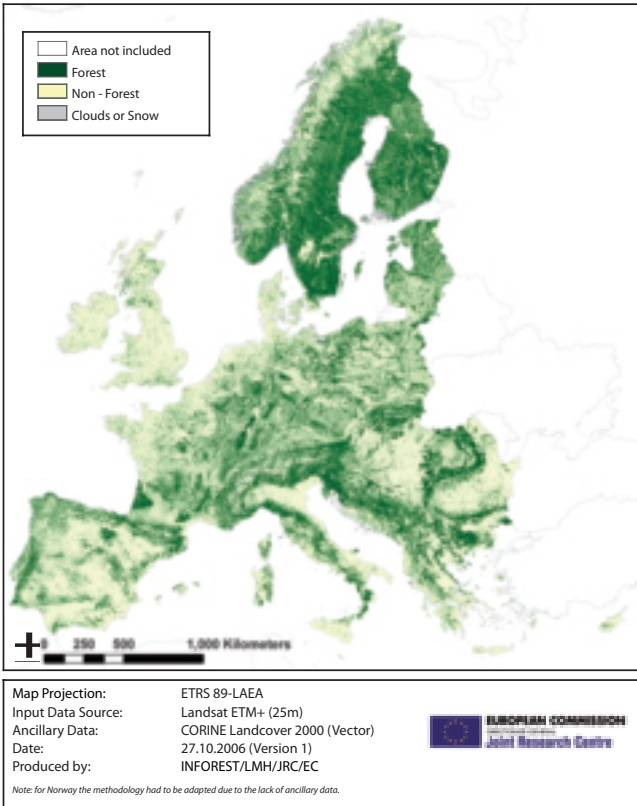
Growing stock is the living tree component of the standing volume.

Private ownership refers to land owned by individuals, families, private co-operatives, corporations, industries, private religious and educational institutions, pension or investment funds, and other private institutions. Private owners may be engaged in agriculture or other occupations (including forestry).

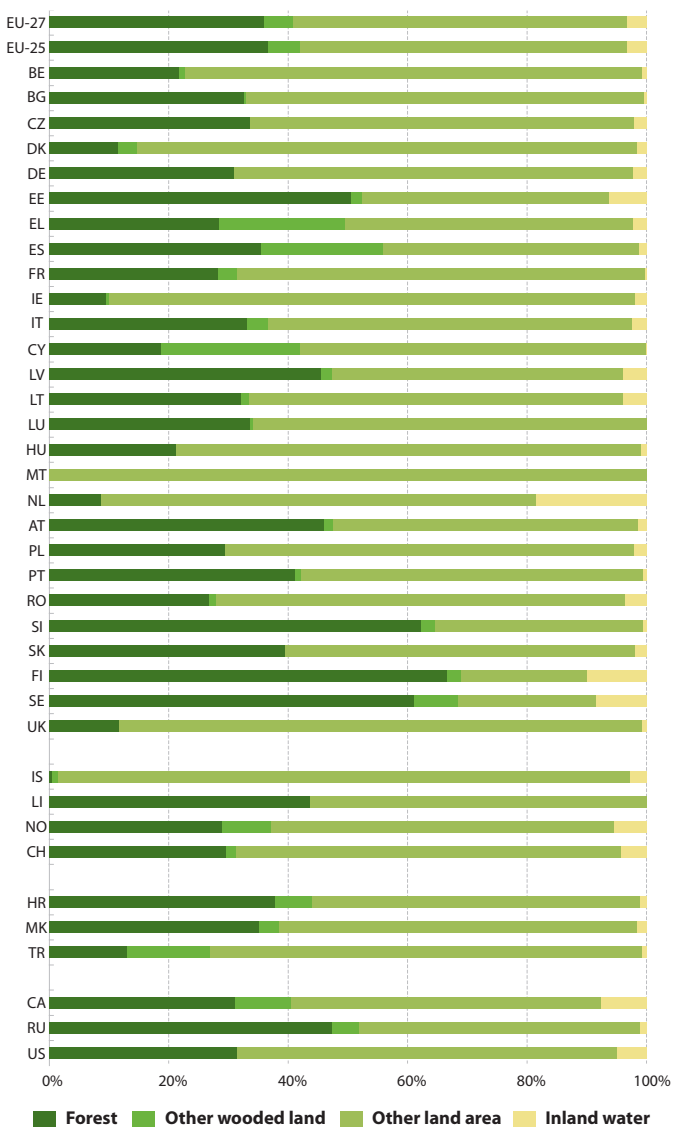
Public ownership refers to land owned by the State (national, state and regional governments) or government-owned institutions, corporations or other public bodies, including cities, municipalities, villages and communes (including ownership by tribal or other indigenous groups of people.)

Other ownership refers to land that is neither classified as “Public ownership” nor as “Private ownership”. It includes land for which ownership is unknown or not-defined.

European Forest/Non-Forest Map 2000

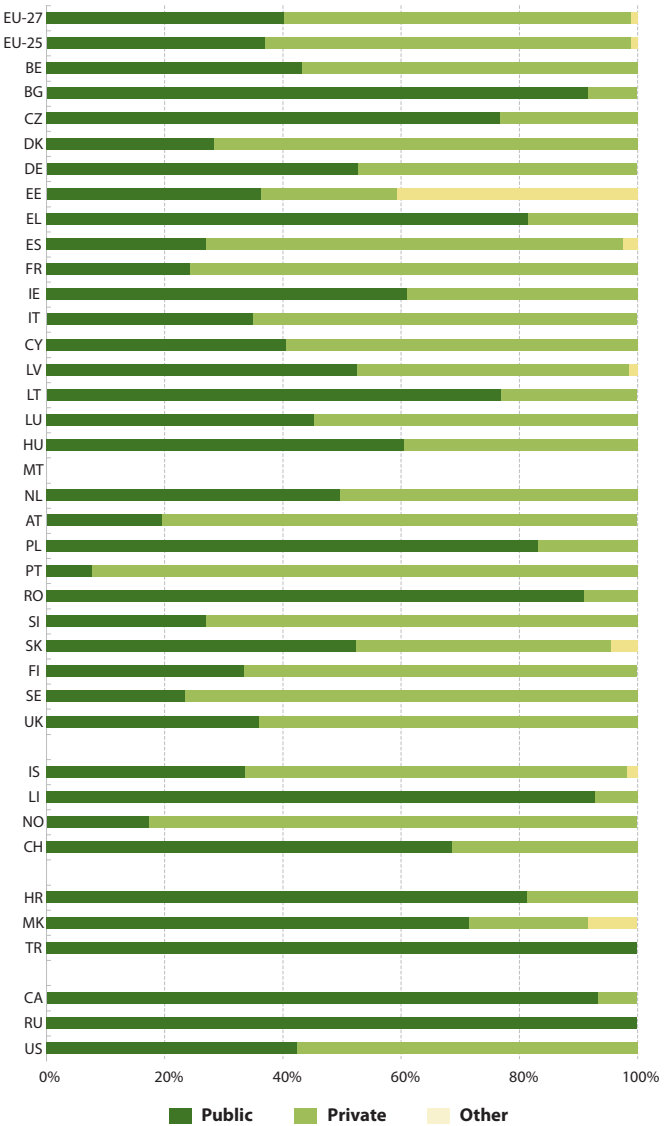


Principal area categories, 2005



Source: FAO, FRA 2005

Ownership of wooded area 2000



Source: FAO, FRA 2005

Principal area categories, 2005

	Total area	Inland waters	Total land area	Forest and other wooded land (FOWL)	Other land area	FOWL, % of land area
1000 ha						
EU-27	433 063	13 878	419 185	176 721	242 463	42.2
EU-25	398 125	12 990	385 135	166 441	218 693	43.2
BE	3 053	25	3 028	694	2 334	22.9
BG	11 099	36	11 063	3 652	7 411	33.0
CZ	7 887	159	7 728	2 648	5 080	34.3
DK	4 309	66	4 243	636	3 607	15.0
DE	35 703	808	34 895	11 076	23 819	31.7
EE	4 523	284	4 239	2 366	1 873	55.8
IE	7 027	138	6 889	710	6 179	10.3
EL	13 196	306	12 890	6 532	6 358	50.7
ES	50 599	655	49 944	28 214	21 730	56.5
FR	55 150	140	55 010	17 262	37 748	31.4
IT	30 134	723	29 411	11 026	18 385	37.5
CY	925	1	924	388	536	42.0
LV	6 460	255	6 205	3 056	3 149	49.3
LT	6 530	262	6 268	2 176	4 092	34.7
LU	259	0	259	88	170	34.0
HU	9 303	92	9 211	1 976	7 235	21.5
MT	32	0	32	0	32	0
NL	4 153	765	3 388	365	3 023	10.8
AT	8 386	113	8 273	3 980	4 293	48.1
PL	31 269	640	30 629	9 192	21 437	30.0
PT	9 198	48	9 150	3 867	5 283	42.3
RO	23 839	852	22 987	6 628	16 359	28.8
SI	2 027	13	2 014	1 308	706	64.9
SK	4 901	93	4 808	1 929	2 879	40.1
FI	33 814	3 367	30 447	23 302	7 145	76.5
SE	44 996	3 834	41 162	30 785	10 377	74.8
UK	24 291	203	24 088	2 865	21 223	11.9
IS	10 300	275	10 025	150	9 875	1.5
LI	16	0	16	7	9	43.8
NO	32 376	1 751	30 625	12 000	18 625	39.2
CH	4 129	174	3 955	1 288	2 667	32.6
HR	5 654	62	5 592	2 481	3 111	44.4
MK	2 571	40	2 531	988	1 543	39.0
TR	77 482	519	76 963	20 864	56 099	27.1
CA	997 061	74 964	922 097	402 085	520 012	43.6
RU	1707 540	18 690	1688 850	882 975	805 875	52.3
US	962 909	47 013	915 896	303 089	612 807	33.1

Source: FAO, FRA 2005

Basic forest resources, 2000 and 2005

	Forest and other wooded land (FOWL)						Annual change rate of forest land	
	Forest land	Other wooded land	Total	Forest land	Other wooded land	Total		
	2000	2000	2000	2005	2005	2005	2000-2005	
	1000 ha						1000 ha/yr	%
EU-27	152 108	22 142	174 250	155 584	21 137	176 721	696	0.4
EU-25	142 367	21 803	164 170	145 589	20 852	166 441	645	0.4
BE	667	27	694	667	27	694	0	0
BG	3 375	105	3 480	3 625	27	3 652	50	1.4
CZ	2 637	0	2 637	2 648	0	2 648	2	0.1
DK	486	136	622	500	136	636	3	0.6
DE	11 076	0	11 076	11 076	0	11 076	0	0
EE	2 243	94	2 337	2 284	82	2 366	8	0.4
IE	609	41	650	669	41	710	12	1.9
EL	3 601	2 924	6 525	3 752	2 780	6 532	30	0.8
ES	16 436	11 016	27 452	17 915	10 299	28 214	296	1.7
FR	15 351	1 814	17 165	15 554	1 708	17 262	41	0.3
IT	9 447	992	10 439	9 979	1 047	11 026	106	1.1
CY	173	214	387	174	214	388	n.s.	0.2
LV	2 885	120	3 005	2 941	115	3 056	11	0.4
LT	2 020	83	2 103	2 099	77	2 176	16	0.8
LU	87	1	88	87	1	88	0	0
HU	1 907	0	1 907	1 976	0	1 976	14	0.7
MT	0	0	0	0	0	0	0	0
NL	360	0	360	365	0	365	1	0.3
AT	3 838	117	3 955	3 862	118	3 980	5	0.1
PL	9 059	0	9 059	9 192	0	9 192	27	0.3
PT	3 583	84	3 667	3 783	84	3 867	40	1.1
RO	6 366	234	6 600	6 370	258	6 628	1	n.s.
SI	1 239	44	1 283	1 264	44	1 308	5	0.4
SK	1 921	0	1 921	1 929	0	1 929	2	0.1
FI	22 475	830	23 305	22 500	802	23 302	5	n.s.
SE	27 474	3 246	30 720	27 528	3 257	30 785	11	n.s.
UK	2 793	20	2 813	2 845	20	2 865	10	0.4
IS	38	104	142	46	104	150	2	3.9
LI	7	0	7	7	0	7	0	0
NO	9 301	2 699	12 000	9 387	2 613	12 000	17	0.2
CH	1 199	64	1 263	1 221	67	1 288	4	0.4
HR	2 129	338	2 467	2 135	346	2 481	1	0.1
MK	906	82	988	906	82	988	0	0
TR	10 052	10 728	20 780	10 175	10 689	20 864	25	0.2
CA	310 134	91 951	402 085	310 134	91 951	402 085	0	0
RU	809 268	72 706	881 974	808 790	74 185	882 975	-96	n.s.
US	302 294	0	302 294	303 089	0	303 089	159	0.1

Source: FAO, FRA 2005

Volume of the growing stock 2005

	Total area of FOWL			Growing stock of FOWL			Forest area	Growing stock on forest land			Other wooded land area	Growing stock on other wooded land		
	1000 ha	million m ³	m ³ /ha	1000 ha	million m ³	m ³ /ha		1000 ha	million m ³	m ³ /ha				
EU-27	176 721	:	:	155 584	22 580	145		21 137	:	:				
EU-25	166 441	:	:	145 589	20 665	142		20 852	:	:				
BE	694	172	248	667	172	258		27	:	:				
BG	3 652	568	156	3 625	568	157		27	:	:				
CZ	2 648	736	278	2 648	736	278		0	0	0				
DK	636	76	119	500	76	152		136	:	:				
DE	11 076	:	:	11 076	2 880 ¹	260		:	:	:				
EE	2 366	451	191	2 284	447	196		82	4	49				
IE	710	65	92	669	65	97		41	:	:				
EL	6 532	177	27	3 752	177	47		2 780	0	0				
ES	28 214	889	32	17 915	888	50		10 299	1	0				
FR	17 262	2 465	143	15 554	2 465	158		1 708	:	:				
IT	11 026	1 544	140	9 979	1 447	145		1 047	97	93				
CY	388	8	21	174	8	46		214	:	:				
LV	3 056	599	196	2 941	599	204		115	:	:				
LT	2 176	402	185	2 099	400	191		77	2	26				
LU	88	26	295	87	26	299		1	:	:				
HU	1 976	337	171	1 976	337	171		0	0	0				
MT	n.s.	n.s.	231	n.s.	n.s.	231		0	:	:				
NL	365	65	178	365	65	178		0	0	0				
AT	3 980	1 159	291	3 862	1 159	300		118	:	:				
PL	9 192	1 864	203	9 192	1 864	203		:	:	:				
PT	3 867	366	95	3 783	350	93		84	16	190				
RO	6 628	1 347	203	6 370	1 347	211		258	:	:				
SI	1 308	360	275	1 264	357	282		44	3	68				
SK	1 929	494	256	1 929	494	256		:	:	:				
FI	23 302	2 163	93	22 500	2 158	96		802	5	6				
SE	30 785	3 191	104	27 528	3 155	115		3 257	36	11				
UK	2 865	341	119	2 845	340	120		20	1	50				
IS	150	3	20	46	3	65		104	n.s.	:				
LI	7	2	286	7	2	286		0	:	:				
NO	12 000	910	76	9 387	863	92		2 613	47	18				
CH	1 288	449	349	1 221	449	368		67	:	:				
HR	2 481	352	142	2 135	352	165		346	:	:				
MK	988	63	64	906	63	70		82	:	:				
TR	20 864	1 400	67	10 175	1 400	138		10 689	:	:				
CA	402 085	32 983	82	310 134	32 983	106		91 951	:	:				
RU	882 975	82 130	93	808 790	80 479	100		74 185	1 651	22				
US	303 089	35 118	116	303 089	35 118	116		0	:	:				

Source: FAO, FRA 2005

¹ Data from TBFA 2000

Ownership of forest and other wooded land, 2000

	Forest				Other wooded land			
	Total	Public	Private	Other	Total	Public	Private	Other
	1000 ha	%	%	%	1000 ha	%	%	%
EU-27	152 108	40.6	58.5	0.9	22 142	61.2	61.2	1.7
EU-25	142 367	37.0	62.0	1.0	21 803	37.3	61.0	1.7
BE	667	43.5	56.5	0	27	38.9	61.5	0
BG	3 375	91.6	8.4	0	105	94.3	4.8	0
CZ	2 637	76.7	23.3	0	0	0	0	0
DK	486	28.4	71.6	0	136	28.4	71.6	0
DE	11 076	52.8	47.2	0	0	0	0	0
EE	2 243	37.5	22.4	40.0	94	8.5	37.2	54.3
IE	609	64	36	0	41	16.1	83.9	0
EL	3 601	77.5	22.5	0	2 924	86.5	13.5	0
ES	16 436	30	67.9	2.1	11 016	22.3	74.9	2.8
FR	15 351	26	74	0	1 814	9.6	90.4	0
IT	9 447	35	65	0	992	35.0	65.0	0
CY	173	61.2	38.8	0	214	23.7	76.3	0
LV	2 885	54	45.1	0.9	120	16.7	70.8	12.5
LT	2 020	77.3	22.7	0	83	69.9	30.1	0
LU	87	45.7	54.3	0	1	10.7	89.3	0
HU	1 907	60.5	39.5	0	0	0	0	0
MT	0	100	0	0	0	0	0	0
NL	360	49.7	50.3	0	0	0	0	0
AT	3 838	19.6	80.4	0	117	19.7	80.3	0
PL	9 059	83.2	16.8	0	0	0	0	0
PT	3 583	7.3	92.7	0	84	22.6	77.4	0
RO	6 366	94.3	5.7	0	234	0.0	100.0	0
SI	1 239	27.7	72.3	0	44	4.5	95.0	0
SK	1 921	52.4	43.2	4.4	0	0	0	0
FI	22 475	32.1	67.8	0	830	68.9	31.0	0.1
SE	27 474	19.7	80.3	0	3 246	55.7	44.3	0
UK	2 793	36.2	63.8	0	20	0	100.0	0
IS	38	46.6	53.2	0.8	104	28.9	69.0	2.0
LI	7	92.8	7.2	0	0	100.0	0.0	0
NO	9 301	14	86	0	2 699	29.3	70.7	0
CH	1 199	68	32	0	64	79.7	20.3	0
HR	2 129	78.7	21.3	0	338	97.0	2.7	0
MK	906	78	22	0	82	0	0.0	100.0
TR	10 052	99.9	0.1	0	10 728	100.0	0.0	0
CA	310 134	92.1	7.9	0	91 951	97.9	2.1	0
RU	809 268	100	0	0	72 706	100.0	0	0
US	302 294	42.4	57.6	0	0	0	0	0

Source: FAO, FRA 2005

Economy

chapter 2

2. Economy

NACE (“Nomenclature statistique des Activités économiques dans la Communauté Européenne” - Statistical classification of economic activities in the European Community) was adopted in order to establish a common statistical classification of economic activities within the European Community to ensure comparability between national and Community statistics. In this chapter data are based on the original version of *NACE* (*NACE Rev.1*). A regulation establishing a new version of *NACE* (*NACE Rev. 2*) was adopted by the Council of the European Union on 19 December 2006. *NACE Rev.2* will apply from 2008 onwards.

NACE Rev. 1 contains

- 17 Sections - letters A to Q
- 60 Divisions - 2-digit codes
- 503 Classes - 4-digit codes

Agriculture, hunting and forestry (Section A)

NACE Section A covers the exploitation of vegetable and animal natural resources. The section comprises the activities of growing crops, raising animals, harvesting timber, and harvesting other plants and animals from farms or their natural habitats.

Section A is divided into two divisions. These are *Division 01, Agriculture, hunting and related service activities* and *Division 02, Forestry, logging and related service activities*.

Forestry, logging and related service activities (Division 02)

Division 02 covers the production of standing timber as well as the extraction and gathering of wild growing forest materials. Timber aside, forestry produces products that require little processing, such as wood for fuel or industrial use (e.g. pit-props, pulpwood, etc).

Forestry and logging (Class 02.01) includes:

- Growing of standing timber: planting, replanting, transplanting, thinning and conserving of forests and timber tracts
- Growing of coppice and pulpwood
- Operation of forest tree nurseries
- Growing of Christmas trees

- Logging: felling of timber and production of wood in the rough such as pit-props, split poles, pickets or fuel wood
- Growing of vegetable materials used for plaiting

Forestry and logging related service activities (Class 02.02) includes:

- Forestry service activities: forestry inventories, timber evaluation, fire protection
- Logging service activities: transport of logs within the forest

Manufacturing (Section D)

In NACE several economic activities related to forestry are classified as manufacturing activities (Section D). Manufacturing activity is defined as the mechanical, physical or chemical transformation of materials, substances or components into new products. The materials, substances or components transformed are raw materials that are products of various sectors, including forestry.

Two separate Divisions of *Section D* contains economic activities related to forestry. These are *Manufacture of wood and wood products (Division 20)* and *Manufacture of pulp, paper and paper products (Division 21)*.

Manufacture of wood and wood products (Division 20)

Division 20 includes the manufacture of wood products, such as lumber, plywood, veneers, wooden containers, wooden flooring, wooden trusses and prefabricated wooden buildings. The production processes include the sawing, planing, shaping, laminating and assembling of wood products starting from logs. The logs are cut into bolts or lumber that then may be further cut or shaped by lathes or other shaping tools. The lumber or other transformed wooden shapes may also be subsequently planed or smoothed, and assembled into finished products, such as wooden containers.

With the exception of sawmills and wood preservation units, the units are grouped into industries mainly based on the specific products manufactured. It excludes the manufacture of furniture and the installation of manufactured wooden fittings (self-manufactured wooded fittings excepted) and the like.

Manufacture of pulp, paper and paper products (Division 21)

Division 21 covers the manufacture of pulp, paper and converted paper products. The manufacturing of these products is grouped together because they constitute a series of vertically connected processes. More than one is often carried out in a single economic enterprise. There are essentially three activities. The manufacturing of pulp involves separating the cellulose fibres from other impurities in wood or used paper. The manufacturing of paper involves matting these fibres into a sheet. The manufacture of paper products involves the cutting and shaping of paper and other materials and coating and laminating activities. The paper articles may be printed (e.g. wallpaper, gift wrap, etc), as long as the printed information is not the main purpose.

Percentage of gross value added at basic prices for agriculture as a whole and for NACE divisions regarding the Forest Sector

	Agriculture, hunting and forestry			Forestry, logging and related service activities		
	1995	2000	2004	1995	2000	2004
EU-27	:	:	:	:	:	:
EU-25	2.7	2.2	2.0			
EU-15	2.6	2.1	1.9			
BE	1.5	1.4	1.0	0.1	0.1	
BG		13.8				0.2
CZ	5.0	3.9	3.3			
DK	3.2	2.4	1.8			
DE	1.3	1.3				
EE	7.5	4.6	3.6			
EL	9.5	6.9	5.2	0.1		
ES	4.2	4.1	3.3	0.2	0.1	
FR		2.7	2.4	0.3	0.2	0.2
IE	6.6	3.1	2.3			
IT	3.2	2.7	2.4	0.0	0.0	0.0
CY						
LV	8.6	4.2	4.3			
LT	11.3	7.8	5.8			0.6
LU	1.0	0.7	0.6	0.1		
HU	6.7	4.3	3.8			
MT		2.1	2.2			
NL	3.4	2.6	2.1	0.0	0.0	0.0
AT	2.7	2.1	1.9	0.5	0.4	0.4
PL	8.0	4.9	5.1			
PT	5.3	3.4		0.5	0.8	0.4
RO		12.4	14.3			
SI	4.2	3.2	2.5	0.5	0.4	0.3
SK	5.9	4.7	4.1			
FI	4.2	3.5	3.0	2.3	2.2	1.9
SE	2.7	1.9		1.3	0.8	
UK	1.7	1.0	0.8	0.0	0.0	0.0

Source: Eurostat/New Cronos

Percentage of gross value added at basic prices for agriculture as a whole and for NACE divisions regarding the Forest Sector (cont.)

	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials			Manufacture of pulp, paper and paper products		
	1995	2000	2004	1995	2000	2004
EU-27	:	:	:	:	:	:
EU-25	0.5	0.4	0.4	1.9	1.9	1.6
EU-15	0.5	0.4	0.4	1.9	1.9	1.6
BE	0.3	0.3	0.3	1.6	1.6	1.4
BG						
CZ	0.9	0.9	0.9	1.3	1.5	1.5
DK	0.5	0.5	0.4	1.8	1.7	1.4
DE	0.5	0.4	:	1.8	1.8	:
EE	1.0			1.3		
EL	0.4	0.3	0.3	0.8	0.9	0.9
ES	0.5	0.4	0.3	1.6	1.6	1.5
FR		0.3	0.3		1.3	1.1
IE	0.3	0.3	0.3	3.1	5.0	3.9
IT	0.6	0.6	0.6	1.5	1.4	1.4
CY						
LV	:	2.6	:	:	1.2	:
LT	0.9	1.3	1.7	1.6	1.3	1.3
LU	0.1	0.2	0.2	0.9	0.8	0.8
HU	0.6	0.5		1.3	1.3	:
MT	:	0.1	0.0	:	1.5	1.6
NL	0.3	0.2	0.2	2.2	2.0	1.7
AT	1.0	1.0	1.0	1.8	2.0	1.8
PL	:		0.9			1.5
PT	0.6	0.7	:	1.9	1.8	:
RO	:	2.1	:	:	0.9	:
SI	1.0	1.0	0.8	2.3	2.2	1.9
SK	0.9	0.8	1.0	2.2	1.9	1.6
FI	1.4	1.2	1.0	6.7	6.2	4.5
SE	0.9	0.9		4.1	3.5	
UK	0.3	0.3	0.2	2.7	2.3	1.8

Source: Eurostat/New Cronos

Employment

chapter 3

3. Employment

The EU's Labour Force Survey (LFS) is a large household sample survey providing annual and quarterly results on labour participation of people aged 15 and over.

It is conducted in accordance with Council Regulation (EC) No 577/1998. The LFS classifies labour force participation according to NACE rev.1 (as per economic activity, see previous chapter). The labour force participation in the forestry and related sectors are given as follows.

Explanations for the table:

Agriculture: Agriculture, hunting and related service activities

Forestry: Forestry, logging and related service activities

Wood: Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials

Paper: Manufacture of pulp, paper and paper products

Other sectors: includes all remaining economic sectors.

Employment in agriculture, forestry and forest industries compared with all sectors, 2000 and 2005

	Thousands of people					
	Agriculture		Forestry		Wood	
	2000	2005	2000	2005	2000	2005
EU-27	11 597	12 167	338	492	1 166	1 511
EU-25	6 394	8 920	247	420	1 030	1 352
BE	77	87	1	3	21	25
BG	342	260	33	16	26	26
CZ	193	156	48	35	63	62
DK	93	85	2	1	19	14
DE	903	790	48	49	244	165
EE	30	26	7	5	22	23
IE	127	110	2	2	9	9
EL	694	525	7	5	30	34
ES	934	900	37	29	110	126
FR	893	881	37	29	116	93
IT	1 011	850	36	41	186	170
CY	15	14	1	1	3	4
LV	119	95	19	34	18	29
LT	257	208	13	8	29	29
LU	4	3	0	0	0	0
HU	227	170	16	16	39	40
MT	2	2			0	0
NL	237	256	1	1	25	19
AT	216	189	6	10	35	41
PL		2 309		53		183
PT	598	580	10	8	75	76
RO	4 861	2 987	58	56	109	133
SI	81	80	4	3	18	13
SK	119	84	25	24	39	32
FI	118	93	27	24	35	34
SE	98	74	20	22	40	39
UK	390	354	12	16	85	92
IS	7	6	0		1	1
NO	75	55	6	5	16	17
CH	176	150	5	5	44	37

Source: Eurostat / New Cronos

Employment in agriculture, forestry and forest industries compared with all sectors, 2000 and 2005 (cont.)

	Thousands of people					
	Paper		Other sectors		All sectors	
	2000	2005	2000	2005	2000	2005
EU-27	742	746	194 099	158 657	172 500	200 384
EU-25	700	720	185 293	150 359	158 730	188 073
BE	17	13	4 085	4 004	4 120	4 212
BG	15	12	2 694	2 456	2 872	3 009
CZ	26	25	4 472	4 346	4 675	4 751
DK	8	7	2 632	2 594	2 716	2 738
DE	157	140	35 052	34 972	36 324	36 195
EE	2	2	553	507	568	609
IE	4	3	1 806	1 529	1 671	1 929
EL	9	7	3 810	3 358	4 098	4 382
ES	50	44	17 796	14 309	15 440	18 895
FR	99	93	23 216	21 978	23 123	24 312
IT	103	79	21 510	19 594	20 930	22 651
CY	0	1	328	275	294	348
LV	0	1	870	785	942	1 028
LT	5	3	1 225	1 116	1 419	1 473
LU		0	190	176	181	194
HU	12	15	3 651	3 512	3 807	3 891
MT	0	0	146	140	143	148
NL	28	29	7 809	7 569	7 860	8 113
AT	19	21	3 495	3 407	3 684	3 756
PL		42	11 359	14 518	14 518	13 947
PT	16	16	4 452	4 304	5 003	5 132
RO	27	15	6 111	5 843	10 898	9 303
SI	6	9	842	784	894	947
SK	14	9	2 047	1 886	2 083	2 196
FI	40	36	2 237	2 148	2 367	2 425
SE	38	39	4 184	3 930	4 125	4 359
UK	114	84	27 527	26 486	27 088	28 072
IS	0	0	156	148	157	163
NO	10	8	2 196	2 164	2 271	2 281
CH	13	11	3 770	3 640	3 879	3 974

Source: Eurostat / New Cronos

Energy

chapter 4

4. Energy

Significant quantities of energy are produced from forestry and forestry related products. The following tables give the contribution of these products to the total energy mix. The following definitions apply:

All products

The code “All products” covers all energy products. These consist of hard coal and its derivatives, lignite and its derivatives, peat and its derivatives, crude oil and petroleum products, natural gas, manufactured gases, derived heat, renewable energies, electrical energy and nuclear energy.

Renewable energies

“Renewable energies” covers hydro power, wind energy, solar energy, biomass and wastes and geothermal energy.

Wood and wood waste

“Wood and wood waste” covers purpose-grown energy crops (poplar, willow, etc), a multitude of woody materials generated by industrial processes or provided directly by forestry and agriculture (firewood, wood chips, bark, sawdust, shavings, chips, black liquor, etc), as well as wastes (such as straw, rice husks, nut shells, poultry litter, crushed grape dregs, etc).

Primary production

Any kind of extraction of energy products from natural sources to a usable form is called primary production. “Primary production” takes place when the natural sources are exploited, for example in coal mines, crude oil fields, hydro power plants or the fabrication of biofuels. Transformation of energy from one form to another, such as electricity or heat generation in thermal power plants, or coke production in coke ovens, is not primary production.

Final energy consumption

“Final energy consumption” covers energy supplied to the final consumer’s door for all energy uses. It covers all consumers (industry, transport, households, services etc).

Final energy consumption - households

“Final energy consumption – households” covers quantities of energy consumed by households specifically (excluding the consumption of motor fuels for personal transport).

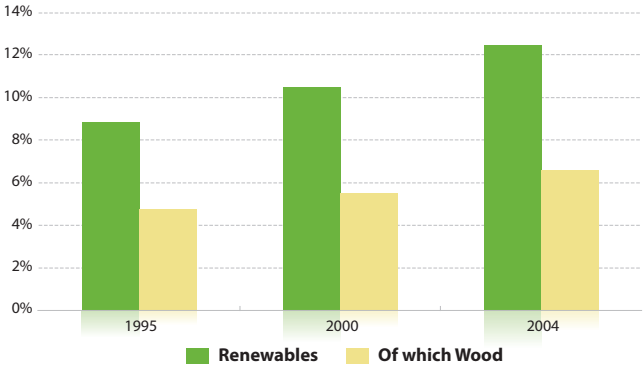
Gross inland energy consumption

Gross inland energy consumption represents the quantity of energy necessary to satisfy the inland consumption of the geographical entity under consideration, including energy consumed in the form of electricity, heating and transport. It is the sum of gross inland consumption of solid fuels, liquid fuels, gas, nuclear energy, renewable energies and other fuels.

Share of electricity from renewable energy to gross electricity consumption

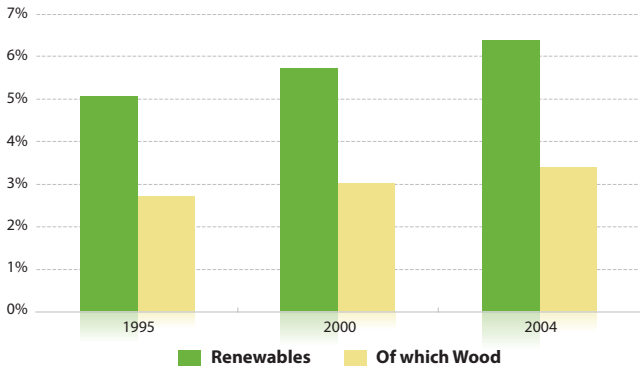
This is the ratio between the electricity produced from renewable energy sources and the gross national electricity consumption for a given calendar year. It measures the contribution of electricity produced from renewable energy sources to the national electricity consumption. National electricity consumption comprises the total gross national electricity generation from all fuels (including autoproduction), plus electricity imports, minus exports.

Share of renewables to all products primary production in EU-27



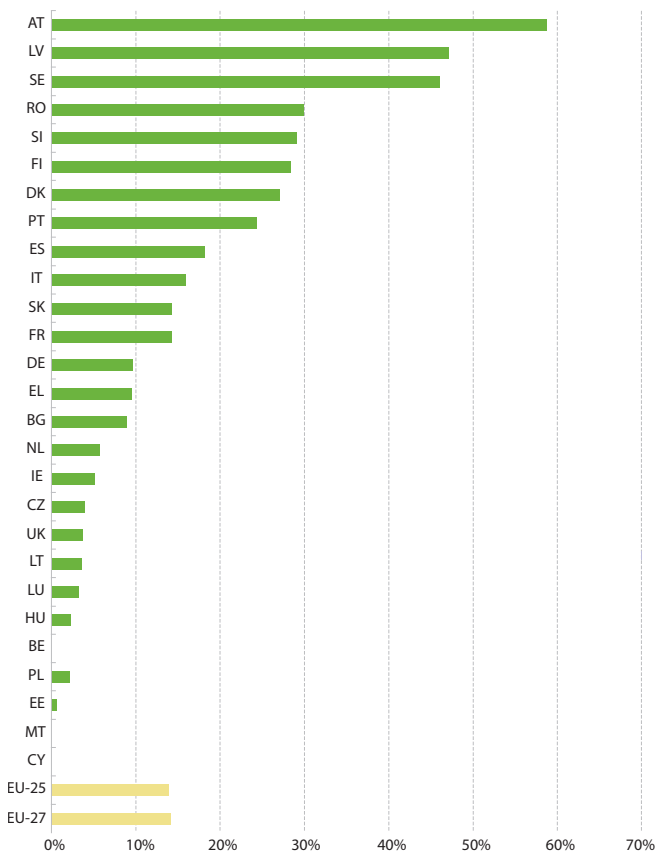
Source: Eurostat/New Cronos

Share of renewables to all products Gross Inland Consumption in EU-27



Source: Eurostat/New Cronos

Share of electricity from renewable energy to gross electricity consumption 2004



Source: Eurostat/New Cronos

Share of primary energy produced from renewables (including wood) to all products

	Renew.	Wood	Renew.	Wood	Renew.	Wood
	% of total	% of total	% of total	% of total	% of total	% of total
	1995		2000		2004	
EU-27	8.88	4.76	10.51	5.51	12.47	6.59
EU-25	8.94	4.81	10.42	5.38	12.37	6.43
BE	5.47	2.12	4.91	1.86	7.26	2.94
BG	3.62	2.15	7.93	5.60	9.92	7.24
CZ	1.91	1.22	2.02	1.08	4.64	3.41
DK	9.86	5.36	7.41	3.16	8.86	3.66
DE	4.51	2.11	7.37	3.56	10.17	4.53
EE	14.53	14.46	15.80	15.52	17.05	16.93
EL	13.29	9.25	14.10	9.50	15.19	8.93
ES	17.95	10.58	22.54	11.62	27.71	12.43
FR	14.21	7.54	13.45	7.07	12.83	6.83
IE	3.93	2.36	12.22	6.44	17.07	9.67
IT	25.80	3.34	31.92	4.14	42.38	5.62
CY	100.00	26.96	100.00	21.00	100.00	3.91
LV	94.74	77.71	98.94	83.22	99.85	86.85
LT	13.56	12.69	20.75	19.82	14.96	14.13
LU	100.00	33.02	100.00	28.17	100.00	21.18
HU	4.65	3.52	4.60	3.18	9.53	8.10
MT	-	-	-	-	-	-
NL	1.36	0.37	2.85	0.53	3.48	1.07
AT	69.03	29.67	69.30	27.92	71.05	33.66
PL	4.01	3.83	4.86	4.58	5.55	5.21
PT	100.00	70.25	100.00	60.40	100.00	68.90
RO	8.70	4.24	14.11	9.65	16.40	11.12
SI	17.93	8.71	25.53	14.73	23.92	13.48
SK	10.46	1.59	8.47	1.67	12.05	5.68
FI	46.63	37.99	52.69	43.71	57.17	47.68
SE	41.72	21.53	50.20	25.65	40.96	23.76
UK	0.78	0.36	0.97	0.31	1.56	0.42
IS	6.37	0.56	5.92	0.53	4.48	0.46
NO	100.00	-	100.00	-	100.00	-
CH	:	-	:	-	:	-
HR	17.35	6.44	24.67	10.49	25.37	9.84
MK	:	-	:	-	:	-
TR	40.63	26.64	37.99	24.48	44.57	22.91

Source: Eurostat/New Cronos

Share of renewables (including wood) gross inland consumption to all products

	Renew.	Wood	Renew.	Wood	Renew.	Wood
	% of total	% of total	% of total	% of total	% of total	% of total
	1995		2000		2004	
EU-27	5.07	2.73	5.74	3.02	6.39	3.40
EU-25	5.10	2.75	5.64	2.92	6.28	3.29
BE	1.36	0.63	1.30	0.61	2.12	1.08
BG	1.56	0.91	4.18	2.94	5.19	3.75
CZ	1.47	0.94	1.48	0.79	3.13	2.31
DK	7.60	4.15	10.71	4.74	14.63	6.87
DE	1.88	0.88	2.86	1.38	3.96	1.76
EE	9.12	9.07	10.99	10.80	10.76	10.68
EL	5.34	3.72	5.00	3.36	5.09	2.99
ES	5.48	3.23	5.73	2.95	6.40	2.87
FR	7.46	3.96	6.79	3.57	6.42	3.43
IE	1.50	0.90	1.82	0.96	2.07	1.17
IT	4.82	0.75	5.24	0.92	6.78	1.20
CY	2.15	0.58	1.89	0.40	3.90	0.15
LV	27.34	22.07	34.38	28.22	35.88	29.82
LT	5.69	5.32	8.96	8.56	8.02	7.58
LU	1.40	0.46	1.56	0.44	1.55	0.33
HU	2.42	1.83	2.06	1.42	3.69	3.13
MT	-	-	-	-	-	-
NL	1.22	0.33	2.14	0.40	2.87	0.88
AT	22.05	9.53	22.67	9.03	20.68	9.79
PL	3.92	3.75	4.19	3.95	4.67	4.39
PT	13.27	9.32	12.90	7.79	14.88	10.25
RO	5.94	2.89	10.90	7.45	11.71	7.92
SI	8.92	4.33	12.28	7.08	11.55	6.51
SK	2.85	0.44	2.85	0.52	3.96	1.85
FI	21.31	17.37	24.00	19.91	23.35	19.43
SE	26.06	13.45	31.56	16.13	26.59	15.43
UK	0.89	0.41	1.13	0.36	1.58	0.48
IS	48.86	4.26	51.00	4.60	38.69	4.05
NO	64.91	-	71.40	-	72.33	-
CH	-	-	-	-	-	-
HR	10.15	3.76	11.24	4.78	11.05	4.28
MK	-	-	-	-	-	-
TR	17.37	11.39	13.12	8.45	13.17	6.77

Source: Eurostat/New Cronos

Share of final consumption of energy from wood and wood waste at household level

	Wood % of total	Wood % of res	Wood % of total	Wood % of res	Wood % of total	Wood % of res	Wood % of total	Wood % of res
	1990		1995		2000		2004	
	EU-27	8.35	98.92	8.84	98.60	9.45	97.26	9.91
EU-25	8.34	98.89	8.69	98.53	8.76	96.97	9.13	96.97
BE	2.22	99.55	1.82	99.45	1.61	98.66	1.88	98.66
BG	-	-	6.38	100.28	23.20	100.00	30.13	100.00
CZ	-	-	-	-	-	100.00	9.19	100.00
DK	0.00	99.33	8.44	98.72	9.79	98.77	11.38	98.77
DE	3.79	99.67	3.47	98.78	5.57	93.19	5.95	93.19
EE	0.00	100.00	20.91	100.00	35.74	100.00	28.90	100.00
EL	22.99	92.56	21.10	89.52	15.71	86.90	13.08	86.90
ES	0.00	98.99	19.95	99.50	16.81	98.23	14.06	98.23
FR	22.64	98.48	21.55	98.15	19.04	98.17	19.09	98.17
IE	0.00	99.89	1.81	99.76	1.62	99.34	1.52	99.34
IT	2.59	99.30	3.89	99.31	4.30	98.46	3.94	98.46
CY	0.00	100.00	1.26	6.55	0.65	-	-	-
LV	30.15	100.00	44.80	100.00	51.05	100.00	48.80	100.00
LT	0.00	100.00	24.11	100.00	37.23	100.00	31.66	100.00
LU	2.97	100.00	2.74	100.00	2.68	99.23	2.41	99.23
HU	0.00	100.00	6.37	100.00	5.01	99.64	9.05	99.64
MT	-	-	-	-	-	-	-	-
NL	0.00	99.23	1.90	98.23	1.88	92.65	2.13	92.65
AT	24.09	99.41	23.95	98.46	21.67	96.90	22.68	96.90
PL	0.00	100.00	10.77	100.00	12.95	99.76	17.91	99.76
PT	50.22	99.37	44.76	99.11	41.01	98.92	38.21	98.92
RO	0.00	100.00	15.80	100.00	29.12	99.69	33.38	99.69
SI	-	-	12.60	100.00	31.94	100.00	26.22	100.00
SK	-	-	0.02	100.00	0.01	100.00	1.16	100.00
FI	17.16	100.00	16.98	99.98	19.02	99.96	19.64	99.96
SE	0.00	99.66	11.58	99.50	8.11	99.17	8.01	99.17
UK	0.46	100.00	0.52	100.00	0.47	90.27	0.47	90.27
IS	0.00	100.00	14.95	100.00	15.04	100.00	17.43	100.00
NO	:	:	:	:	:	:	:	:
CH	:	:	:	:	:	:	:	:
HR	35.10	100.00	18.88	100.00	19.26	100.00	16.66	100.00
MK	-	-	-	-	-	-	-	-
TR	49.51	94.94	43.01	92.61	37.98	83.86	32.18	83.86

Source: Eurostat/New Cronos

Forest Condition

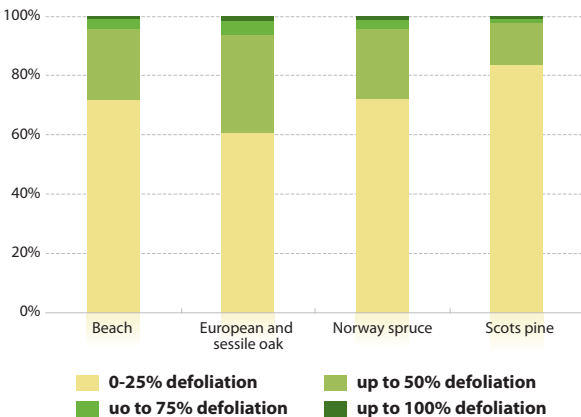
chapter 5

5. Forest Condition¹

Forest condition in Europe has been measured for nearly 20 years jointly by the European Union (EU) and by the International Cooperative Programme on Assessment and Monitoring of Air Pollution Effects on Forests (ICP Forests) of the United Nations Economic Commission for Europe (UNECE).

Large-scale variations of forest condition over space and time are assessed on about 6000 plots systematically spread across Europe. The crown condition survey is the programme's oldest and first assessment. Within this survey, assessors estimate the leaf or needle loss (defoliation) of single trees in relation to a fully foliated tree. Trees with leaf or needle loss above 25% are rated as damaged. Defoliation responds to many stress factors and is easily assessable over large areas. It is a valuable overall indicator for forest condition. More than 135000 trees were assessed in 30 countries using harmonised methods in 2004. Figure 1 shows the distribution of defoliation for 4 main tree species.

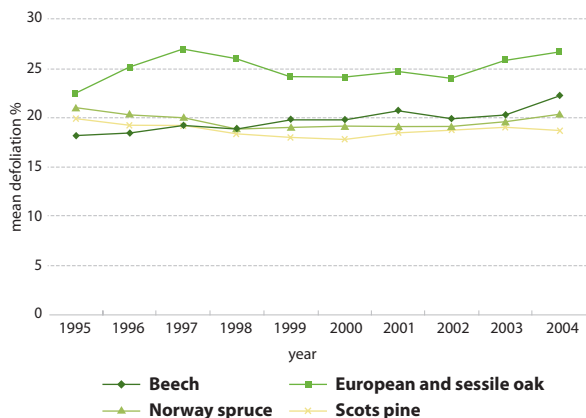
Figure 1: Status of defoliation in 2004 for European main tree species.



¹ Source: JRC and the joint EU-ICP Forest condition monitoring program

The temporal development of defoliation has been analysed over 10 years and includes all countries for which there was a continuous time series (see Figure 2), amounting to around 66% of the total data set. The dry summer of 2003 resulted in an upturn of defoliation in 2004 for susceptible species.

Figure 2: Trends for mean defoliation for European main tree species, calculated for continuously monitored trees.



Causal relationships are studied in detail on around 860 intensive monitoring plots covering the most important forest ecosystems in Europe (see Figure 3).

Figure 3: Location of the intensive monitoring plots



Data have been collected in these plots since the mid 1990s and cover the following surveys:

Survey	Frequency of assessment	Main variables assessed	Percentage of plots assessed
Crown Condition	at least annually	Defoliation, discoloration, cause of damage	All
Forest Growth	every 5 years	Diameter, height, biomass	All
Ground Vegetation	every 5 years	Percentage cover, vegetation species	All
Meteorology	continuously	Precipitation, air temperature, relative humidity, solar radiation, wind speed/direction	25%
Phenology	several times per year	Flushing, colour changes, leaf/needle fall, flowering	optional
Ambient Air Quality	continuously	Ozone, Ammonia, sulphur	optional
Visible Ozone Injury	extended test-phase	Extent of damage	optional
Soil Condition	every 10 years		All
Soil Solution	continuously	Acidity, nitrogen, sulphur, carbon, other nutrients, heavy metals	30%
Atmospheric Deposition	continuously		65%
Foliar Analysis	every 2 years		All
Litterfall	continuously	Nitrogen, sulphur, carbon, other nutrients, heavy metals	optional

Forest Fires

chapter 6

6. Forest Fires²

This chapter presents maps, graphs and summary statistics on forest fires in Europe over the last decades. Data are taken from the EU Fire Database of EFFIS maintained at JRC.

Forest fire data are collected and provided each year by EU Member States, checked and stored in the EFFIS EU Fire Database which is managed by JRC. Statistics on forest fires in the European countries are also published in the yearly report *Forest Fires in Europe*.

At present the database covers 15 countries of the European Union: Portugal, Spain, France, Italy, Greece and Cyprus from the EU-Med region which is the area most affected by forest fires and for which a longer time series is currently available. The other EU countries that provide data to the database are Germany, Czech Republic, Slovakia, Hungary, Poland, Latvia, Lithuania, Sweden and Finland.

Fire data coming from some EU candidate countries (Romania, Croatia and Turkey) are also stored in the database.

In the following pages the spatial distribution of fire events in EU during the recent years is shown by means of maps derived from fire frequency and burned area statistics.

Graphs showing the temporal trend of fire frequency in the EU Mediterranean countries and in the non Mediterranean ones are then given, followed by tables providing the distribution of fire events in the considered countries during the last decades.

Considering all the countries providing data to the EU Fire Database, the average number of forest fires per year during the last ten years is around 85 thousand, of which 65 thousand in the Mediterranean region.

The area burned per year is around 430 thousand hectares, mostly concentrated in the Mediterranean region (about 15 thousand hectares in the non Mediterranean countries).

² Source: JRC

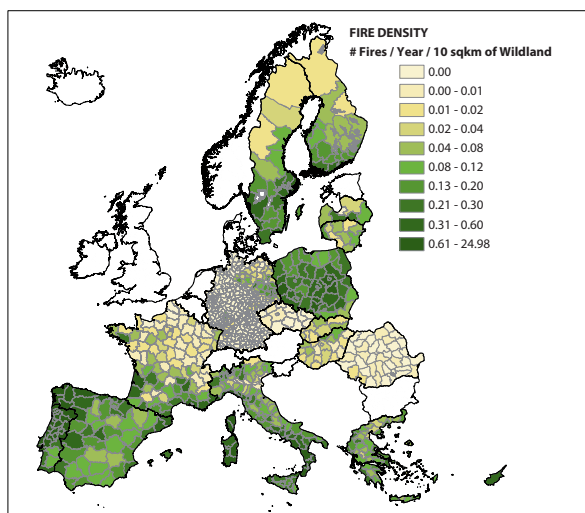
The geographical units used to map the spatial distribution of forest fires in Europe are the NUTS3 (Nomenclature of Territorial Units for Statistics, level 3).

For fire frequency an indicator named fire density is mapped which has been computed for each NUTS3 as the average yearly number of forest fires, ratio the wildland area of the territory.

The wildland area of each NUTS3 represents the land domain where forest fires take place and has been estimated from CLC2000 (Corine Land Cover 2000).

The fire statistics referred to in the map cover the period from 2005 backward for maximum 10 years (i.e. until 1996), but with changes according to the Country (depending on data availability in the EU Fire Database).

Therefore the years considered for each country are the following: Portugal 10, Spain 10, France 10, Italy 10, Greece 10, Cyprus 5, Germany 8, Czech Republic 1, Slovakia 1, Hungary 3, Poland 10, Latvia 1, Lithuania 1, Sweden 9, Finland 2, Romania 1.

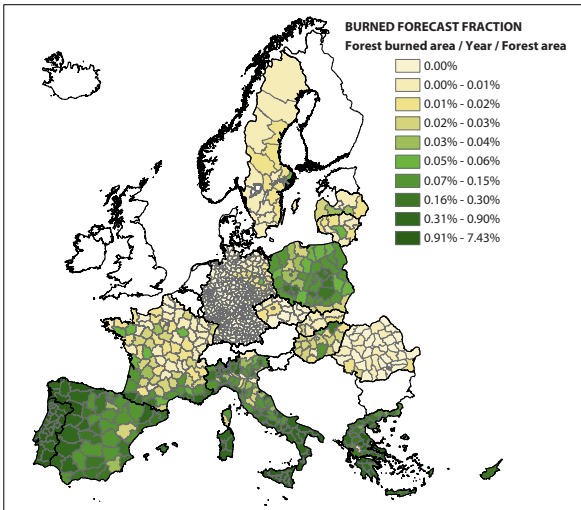


The spatial distribution of the forest burned area is mapped using the same geographical units of the previous map and is expressed as burned forest fraction in each NUTS3.

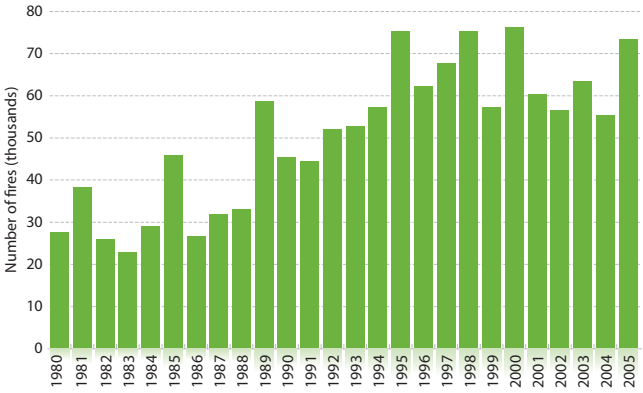
The burned forest fraction is computed as the average yearly forest burned area, ratio the forest area of the territory, and is expressed as a percentage.

The forest area of each NUTS3 has been estimated from CLC2000 (Corine Land Cover 2000).

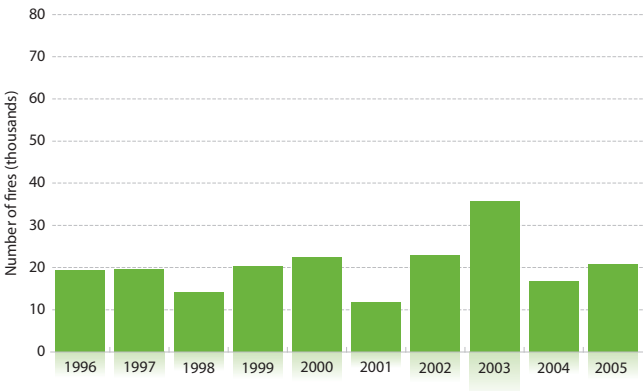
The fire statistics cover the same period used for fire frequency, with the exception of Finland, that has no data in this case, since the burned area is provided to EU Fire Database without the detail of land covers affected.



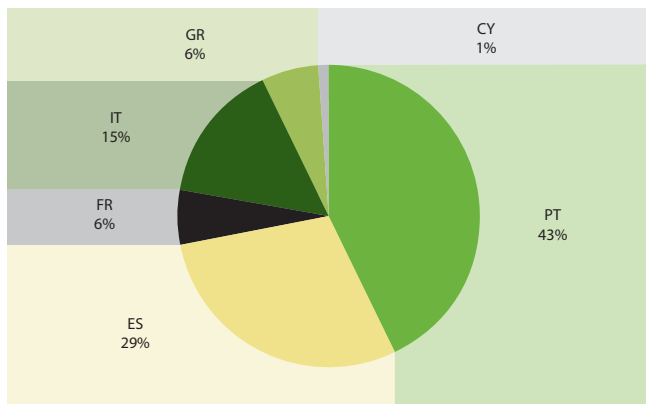
Number of fires in the EU-Med region



Number of fires in non-Mediterranean EU countries



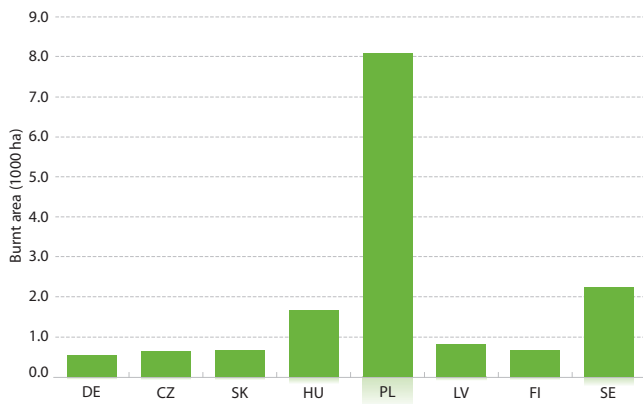
Distribution of the 2000-2005 burned area in the EU-Med countries



Number of fires (thousands)	PT	ES	FR	IT	GR	CY	EU-Med
Average 1980-1989	6.8	9.5	4.9	11.6	1.3		34.0
Average 1990-1999	22.3	18.2	5.5	11.4	1.7		59.0
Average 2000-2005	28.6	21.6	4.3	7.7	1.8	0.3	64.3
Average 1980-2005	17.8	15.6	5.0	10.6	1.6		50.6
Total 1980-2005	462.0	406.0	130.0	276.0	41.0		1316.0

Burnt area (1000 ha)	PT	ES	FR	IT	GR	CY	EU-Med
Average 1980-1989	74.5	244.8	39.2	148.5	52.4		559.3
Average 1990-1999	102.2	161.3	22.7	108.9	44.1		439.2
Average 2000-2005	214.0	141.8	29.9	71.9	31.6	3.4	492.5
Average 1980-2005	117.3	188.9	30.7	115.6	44.4		497.7
Total 1980-2005	3050.7	4911.8	797.7	3005.1	1154.7		12940.6

Average 1996-2005 burnt area in non Mediterranean EU countries



Number of fires (thousands)	DE	CZ	SK	HU	PL	LV	FI	SE	Tot
Average 1996-2000	1.3	1.6	0.6		7.7	0.8	1.2	4.8	18.1
Average 2001-2005	1.1	1.0	0.5	0.3	10.2	0.9	2.0	5.9	22.0
Average 1996-2005	1.1	1.3	0.6	0.3	9.4	0.8	1.8	5.3	20.5

Burnt area (1000 ha)	DE	CZ	SK	HU	PL	LV	FI	SE	Tot
Average 1996-2000	0.7	0.8	0.7		8.2	0.9	0.5	2.2	14.2
Average 2001-2005	0.4	0.4	0.6	1.7	7.9	0.7	0.8	2.2	14.8
Average 1996-2005	0.5	0.6	0.7	1.7	8.1	0.8	0.7	2.2	15.3

Windstorms

chapter 7

7. Windstorms³

In the past years strong windstorms caused heavy damage on forests in many areas in Europe. Two among the major storm events of the last few years were analyzed by JRC and are briefly described here.

Storm in Tatras National Park (Slovakia)

A strong storm hit the Tatras National Parks (TANAP) on 19th November 2004. The area was hit by the strong wind dubbed “bora of Tatras” in the afternoon, approximately between 15:30 and 18:00. The wind gusts of the strength recorded during the event (up to 230 km/h) happen very rarely (but quite periodically as shown by the historical records) due to the special anemo-orographic conditions of High Tatras region. Most of the forest located South of the main ridge of High Tatras (40 km long and 2-3 km wide) was heavily damaged.

The early satellite assessment (Figure 1) of the western and central part of High Tatras made by JRC produced an estimate of the heavily damaged area of 5,354 ha. The estimates made by State Forests of TANAP for the whole affected area was more than 12,000 ha.

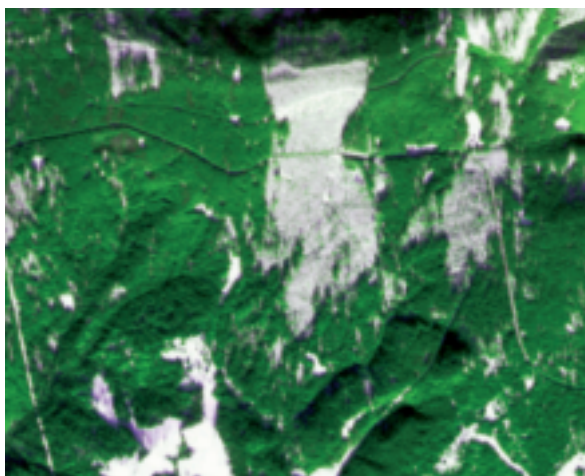
² Source: JRC

Figure 1 (a): **Pre-storm (ASTER, resolution 15 m, 25.5.2003)**



Includes material © CNES 2004, Distribution Spot Image S.A., France, all rights reserved.

Figure 1 (b): **post-storm (SPOT-5, resolution 10 m, 5.12.2004) image of part of the damaged forest area in High Tatras in Slovakia.**



Includes material © CNES 2004, Distribution Spot Image S.A., France, all rights reserved.

Storm in Southern Sweden

On 8th January 2005, the strong cyclonic storm called Erwin (Germany) or Gudrun (Norway) hit Southern Sweden. It is considered to be the most serious windstorm event in the last 35 years. The wind gusts reached the speed of 153 km/h. Nine people were killed. In addition to the damages on infrastructures and buildings, the forest was heavily affected. It is estimated that around 75 million of cubic meters of trees fell. In the affected areas, three to four years of wood production were lost.

Production and trade of wood and wood products



Removals

chapter 1

1. Removals

The primary source of statistics on removals of roundwood is the Joint Eurostat/UNECE/FAO/ITTO *Forest Sector Questionnaire*. The definitions and breakdown of roundwood used are as follows:

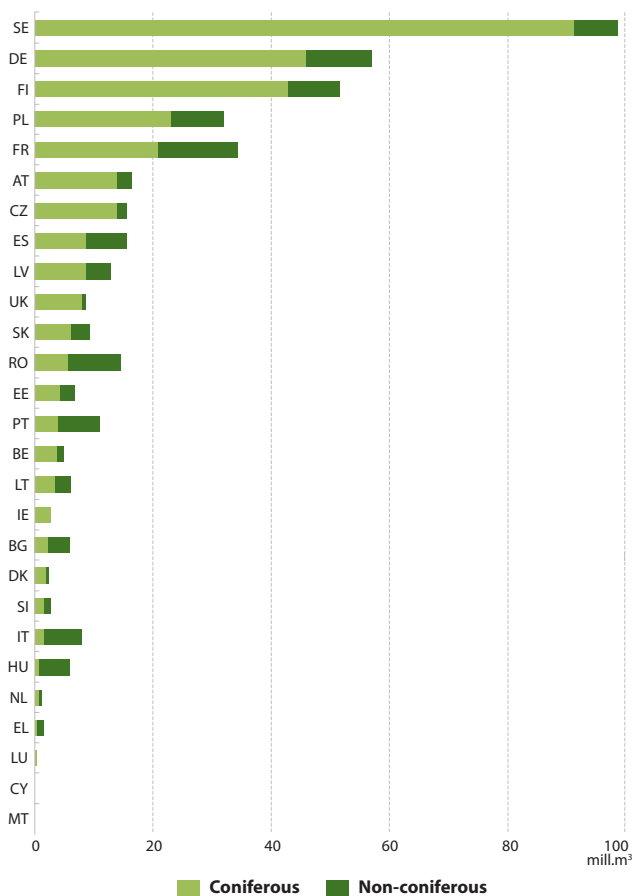
Removals (the term is used as a synonymous term for “roundwood production”) comprise all quantities of wood removed from the forest and other wooded land or other felling sites during a certain period of time. It is reported in m³ underbark (i.e. excluding bark).

Roundwood is divided into two principal categories: industrial roundwood and wood fuel. The commodities included in industrial roundwood are logs, pulpwood and other industrial wood (the final use determines the category to which roundwood is attributed). Logs are used for the production of sawnwood (including sleepers) and veneer sheets. Pulpwood is wood in the rough other than logs, used for the manufacture of pulp, particle board and fibreboard. Other Industrial roundwood includes roundwood that will be used for poles, piling, posts, fencing, pitprops tanning, distillation and match blocks, etc. Wood fuel is wood in the rough (from trunks and branches of trees), to be used as fuel for purposes such as cooking, heating and power production.

All roundwood commodities can further be divided into coniferous (generally referred to as softwood) or non-coniferous (generally referred to as broadleaves or hardwood) species. Here, separate figures are reported for coniferous and non-coniferous total roundwood.

The ownership categories applied in statistics on removals are private ownership, state ownership and other publicly owned forest/other wooded land (for definitions of these categories, see Chapter 1. *Forest Resources and Ownership*).

Roundwood removals by countries, 2005



Source: Eurostat/New Cronos

Removals of roundwood by coniferous and non-coniferous species

	(thousand m ³)								
	Coniferous			Non-coniferous			Roundwood total		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	238 345	279 961	317 022	95 819	107 837	108 671	334 164	387 797	425 693
EU-25	232 994	273 435	309 201	86 154	96 431	96 130	319 148	369 865	405 331
EU-15	192 322	217 539	247 140	65 683	68 808	67 064	258 005	286 347	314 205
BE	:	2 830	3 885	:	1 680	1 065	:	4 510	4 950
BG	996	1 608	2 247	1 842	3 176	3 615	2 838	4 784	5 862
CZ	11 308	12 851	13 883	1 057	1 590	1 627	12 365	14 441	15 510
DK	1 518	2 428	1 879	764	524	406	2 282	2 952	2 285
DE	30 442	43 284	45 941	8 901	10 426	11 005	39 343	53 710	56 946
EE	1 853	5 870	4 300	1 856	3 040	2 500	3 709	8 910	6 800
IE	2 163	2 631	2 630	41	42	18	2 204	2 673	2 648
EL	521	600	426	1 440	1 645	1 097	1 961	2 245	1 523
ES	8 654	8 114	8 714	7 421	6 207	6 817	16 075	14 321	15 532
FR	19 958	28 739	20 960	16 103	17 089	13 460	36 061	45 828	34 420
IT	1 736	1 719	1 620	8 000	7 610	6 429	9 736	9 329	8 049
CY	46	19	8	2	1	2	48	21	10
LV	2 800	9 618	8 655	4 090	4 686	4 188	6 890	14 304	12 843
LT	4 600	2 880	3 470	1 360	2 620	2 575	5 960	5 500	6 045
LU	:	121	96	:	138	181	:	260	277
HU	420	696	779	3 911	5 206	5 161	4 331	5 902	5 940
MT	-	-	-	-	-	-	-	-	-
NL	693	645	657	411	394	453	1 104	1 039	1 110
AT	12 196	11 229	14 008	2 209	2 047	2 463	14 405	13 276	16 471
PL	15 365	19 541	23 028	5 286	6 484	8 916	20 651	26 025	31 944
PT	5 117	5 182	4 036	4 233	5 649	7 070	9 350	10 831	11 106
RO	4 355	4 919	5 575	7 823	8 230	8 926	12 178	13 148	14 501
SI	1 043	1 209	1 713	823	1 044	1 020	1 866	2 253	2 733
SK	3 237	3 211	6 225	2 086	2 952	3 077	5 323	6 163	9 302
FI	41 734	45 769	42 921	8 485	8 493	8 679	50 219	54 262	51 599
SE	58 100	57 010	91 300	5 500	6 290	7 400	63 600	63 300	98 700
UK	6 780	7 237	8 068	775	574	521	7 555	7 811	8 589
IS	-	-	:	-	-	:	-	-	:
NO	8 476	7 602	8 890	569	554	777	9 045	8 156	9 667
CH	3 516	7 611	3 933	1 233	1 627	1 110	4 749	9 238	5 043
HR	364	546	623	2 239	3 123	3 395	2 603	3 669	4 018
MK	:	:	81	:	:	741	:	:	822
TR	9 002	7 176	8 119	10 277	8 764	8 066	19 279	15 939	16 185
CA	158 365	164 001	161 510	29 981	37 844	37 835	188 346	201 845	199 345
RU	85 100	97 000	124 500	31 410	61 100	62 000	116 510	158 100	186 500
US	283 367	291 072	312 700	186 463	175 477	159 162	469 830	466 549	471 862

Source: Eurostat / New Cronos

Removals by roundwood category

	Fuelwood			Industrial roundwood			Roundwood total		
	(thousand m ³)								
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	38 074	44 656	53 742	296 090	343 142	371 951	334 164	387 797	425 693
EU-25	35 043	39 517	48 105	284 105	330 349	357 226	319 148	369 865	405 331
EU-15	27 498	28 859	35 707	230 507	257 487	278 498	258 005	286 347	314 205
BE	:	550	650	:	3 960	4 300	:	4 510	4 950
BG	868	2 107	2 678	1 970	2 677	3 184	2 838	4 784	5 862
CZ	649	940	1 225	11 716	13 501	14 285	12 365	14 441	15 510
DK	485	461	1 260	1 797	2 491	1 025	2 282	2 952	2 285
DE	2 429	2 622	6 041	36 914	51 088	50 905	39 343	53 710	56 946
EE	573	1 640	1 300	3 136	7 270	5 500	3 709	8 910	6 800
IE	64	73	19	2 140	2 600	2 629	2 204	2 673	2 648
EL	1 330	1 601	1 004	631	644	519	1 961	2 245	1 523
ES	3 078	1 600	2 180	12 997	12 721	13 352	16 075	14 321	15 532
FR	2 500	2 388	2 800	33 561	43 440	31 620	36 061	45 828	34 420
IT	5 263	5 680	5 362	4 473	3 649	2 687	9 736	9 329	8 049
CY	11	5	4	37	15	6	48	21	10
LV	1 200	1 680	950	5 690	12 624	11 893	6 890	14 304	12 843
LT	1 090	1 450	1 130	4 870	4 050	4 915	5 960	5 500	6 045
LU	:	18	13	:	242	264	:	260	277
HU	1 948	2 597	3 136	2 383	3 305	2 804	4 331	5 902	5 940
MT	-	-	-	-	-	-	-	-	-
NL	163	160	290	941	879	820	1 104	1 039	1 110
AT	3 059	2 860	3 685	11 346	10 416	12 786	14 405	13 276	16 471
PL	1 411	1 536	3 413	19 240	24 489	28 531	20 651	26 025	31 944
PT	500	600	600	8 850	10 231	10 506	9 350	10 831	11 106
RO	2 163	3 032	2 959	10 015	10 116	11 542	12 178	13 148	14 501
SI	227	532	943	1 639	1 721	1 789	1 866	2 253	2 733
SK	436	277	297	4 887	5 886	9 005	5 323	6 163	9 302
FI	4 095	4 115	4 483	46 124	50 147	47 116	50 219	54 262	51 599
SE	3 800	5 900	7 000	59 800	57 400		63 600	63 300	98 700
UK	232	231	319	7 323	7 580	8 270	7 555	7 811	8 589
IS	-	-	:	-	-	:	-	-	:
NO	470	678	1 177	8 575	7 478	8 490	9 045	8 156	9 667
CH	833	1 626	1 066	3 916	7 612	3 978	4 749	9 238	5 043
HR	859	976	908	1 744	2 693	3 110	2 603	3 669	4 018
MK	:	:	664	:	:	158	:	:	822
TR	8 534	5 510	4 983	10 745	10 429	11 202	19 279	15 939	16 185
CA	5 319	2 927	2 903	183 027	198 918	196 442	188 346	201 845	199 345
RU	33 460	52 300	47 000	83 050	105 800	139 500	116 510	158 100	186 500
US	60 882	45 930	43 891	408 948	420 619	427 971	469 830	466 549	471 862

Source: Eurostat / New Cronos

Removals of Industrial roundwood by roundwood assortment

	(thousand m ³)					
	Sawlogs and veneer logs			Pulpwood		
	1995	2000	2005	1995	2000	2005
EU-27	165 107	204 796	219 229	116 453	122 296	137 970
EU-25	159 956	197 023	210 015	113 585	119 687	134 369
EU-15	133 819	157 925	166 875	90 674	91 072	104 409
BE	:	2 660	2 690	:	1 200	1 430
BG	877	1 626	1 367	934	957	1 723
CZ	5 812	8 020	8 153	5 204	5 081	5 742
DK	875	1 332	700	571	587	299
DE	24 292	36 537	34 432	11 738	10 118	12 964
EE	1 413	2 850	3 300	1 527	3 800	1 500
IE	1 370	1 588	1 763	770	1 013	759
EL	389	441	420	142	113	-
ES	6 030	6 678	7 343	6 341	5 393	5 207
FR	21 687	30 619	20 000	11 414	12 341	11 200
IT	2 543	2 062	1 147	710	708	664
CY	25	12	6	12	3	-
LV	2 900	8 642	7 951	2 400	3 517	3 318
LT	2 320	2 900	3 520	2 390	1 100	1 390
LU	:	113	136	:	72	122
HU	1 303	1 380	1 248	660	612	453
MT	-	-	-	-	-	-
NL	514	572	448	352	197	328
AT	8 081	8 033	9 892	2 665	2 383	2 894
PL	9 337	11 609	12 715	7 630	10 988	13 640
PT	4 189	3 588	2 161	4 480	6 463	8 165
RO	4 274	6 146	7 847	1 934	1 652	1 878
SI	918	1 120	1 403	397	396	288
SK	2 109	2 566	4 845	2 691	3 118	3 629
FI	22 831	25 994	22 444	22 968	24 153	24 672
SE	34 700	33 140	58 200	24 600	23 760	33 000
UK	3 768	4 568	5 099	3 073	2 572	2 705
IS	-	-	:	-	:	:
NO	4 603	4 088	4 625	3 762	3 366	3 840
CH	3 304	6 801	3 355	542	811	595
HR	1 252	1 976	2 234	345	551	610
MK	:	:	144	:	:	-
TR	5 467	5 178	5 107	1 558	3 369	4 403
CA	150 026	166 654	166 181	30 926	28 699	26 785
RU	52 550	49 700	74 200	23 300	46 400	49 700
US	242 874	242 698	254 113	150 000	169 426	164 853

Source: Eurostat / New Cronos

Removals of Industrial roundwood by roundwood assortment (cont.)

	(thousand m ³)					
	Other Industrial roundwood			Industrial Roundwood total		
	1995	2000	2005	1995	2000	2005
EU-27	14 530	16 050	14 752	296 090	343 142	371 951
EU-25	10 564	13 638	12 842	284 105	330 349	357 226
EU-15	6 014	8 490	7 214	230 507	257 487	278 498
BE	:	100	180	:	3 960	4 300
BG	159	94	94	1 970	2 677	3 184
CZ	700	400	390	11 716	13 501	14 285
DK	351	573	26	1 797	2 491	1 025
DE	884	4 433	3 509	36 914	51 088	50 905
EE	196	620	700	3 136	7 270	5 500
IE	-	-	107	2 140	2 600	2 629
EL	100	90	99	631	644	519
ES	626	650	801	12 997	12 721	13 352
FR	460	480	420	33 561	43 440	31 620
IT	1 220	879	876	4 473	3 649	2 687
CY	0	0	0	37	15	6
LV	390	465	624	5 690	12 624	11 893
LT	160	50	5	4 870	4 050	4 915
LU	:	56	6	:	242	264
HU	420	1 314	1 103	2 383	3 305	2 804
MT	-	-	-	-	-	-
NL	75	109	44	941	879	820
AT	600	-	-	11 346	10 416	12 786
PL	2 273	1 892	2 176	19 240	24 489	28 531
PT	181	180	180	8 850	10 231	10 506
RO	3 807	2 318	1 817	10 015	10 116	11 542
SI	324	205	99	1 639	1 721	1 789
SK	87	202	531	4 887	5 886	9 005
FI	325	-	-	46 124	50 147	47 116
SE	500	500	500	59 800	57 400	91 700
UK	482	440	466	7 323	7 580	8 270
IS	-	:	:	-	-	:
NO	210	24	25	8 575	7 478	8 490
CH	70	-	29	3 916	7 612	3 978
HR	147	166	266	1 744	2 693	3 110
MK	:	:	14	:	:	158
TR	3 720	1 882	1 692	10 745	10 429	11 202
CA	2 075	3 565	3 476	183 027	198 918	196 442
RU	7 200	9 700	15 600	83 050	105 800	139 500
US	16 074	8 495	9 005	408 948	420 619	427 971

Source: Eurostat / New Cronos

Removals by forest ownership category

	(thousand m ³)							
	State forests		Other publicly owned forests		Private forests		All owner groups	
	2004	2005	2004	2005	2004	2005	2004	2005
EU-27	:	:	:	:	:	:	393 059	425 693
EU-25	:	:	:	:	:	:	371 264	405 331
EU-15	:	:	:	:	:	:	281 795	314 205
BE	510	:	1 688	:	2 567	:	4 850	4 950
BG	5 986	5 862
CZ	8 800	9 300	:	:	:	:	15 601	15 510
DK	:	:	:	:	:	:	1 516	2 285
DE	21 420	22 318	11 087	11 253	21 997	23 375	54 504	56 946
EE	2 500	2 300	300	300	4 000	4 200	6 800	6 800
IE	2 416	2 480	-	-	146	169	2 562	2 648
EL	1 133	1 271	:	:	561	252	1 694	1 523
ES	344	329	2 848	2 727	13 098	12 476	16 290	15 532
FR	6 511	6 622	7 673	7 697	19 462	20 101	33 647	34 420
IT	275	259	1 582	1 948	6 841	5 843	8 697	8 049
CY	8	8	-	-	2	2	10	10
LV	4 554	5 394	8 200	7 449	-	:	12 754	12 843
LT	3 495	3 505	-	-	2 625	2 540	6 120	6 045
LU	26	:	112	:	139	:	277	277
HU	4 899	4 017	361	19	400	1 903	5 660	5 940
MT	-	-	-	-	-	-	-	-
NL	413	446	107	116	506	548	1 026	1 110
AT	2 019	1 939	:	:	14 464	14 532	16 483	16 471
PL	30 993	30 371	472	449	1 268	1 124	32 733	31 944
PT	:	:	:	:	:	:	10 869	11 106
RO	:	:	:	:	:	:	15 809	14 501
SI	970	1 031	9	7	1 572	1 694	2 551	2 733
SK	4 373	6 194	645	873	2 222	2 235	7 240	9 302
FI	4 151	4 008	:	:	49 649	47 592	53 800	51 599
SE	:	:	:	:	:	:	67 300	98 700
UK	4 905	4 595	:	:	3 376	3 994	8 281	8 589

Source: Eurostat / New Cronos

Production and trade of wood products

chapter 2

2. Production and trade of wood products

The primary source of statistics on *Production and trade of wood products* is the Joint Eurostat/UNECE/FAO/ITTO Forest Sector Questionnaire. The tables comprise the production and trade of roundwood and the following forest industry products:

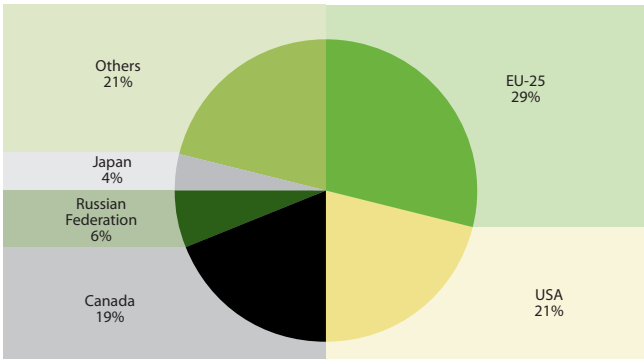
Sawnwood: Wood that has been produced either by sawing lengthways or by a profile-chipping process. It includes planks, beams, joists, boards, rafters, scantlings, laths, boxboards, sleepers and “lumber”, etc;

Wood-based panels comprising the following panel products: Veneer sheets, plywood, particle board (including oriented standard board (OSB)) and fibreboard;

Wood pulp: Fibrous material prepared from pulpwood, wood chips, particles or residues by mechanical and/or chemical process for further manufacture into paper, paperboard, fibreboard or other cellulose products;

Paper and paper board comprising the sum of graphic papers; Sanitary and household papers; packaging materials and other paper and paperboard but excluding manufactured paper products such as boxes, cartons, books and magazines, etc.

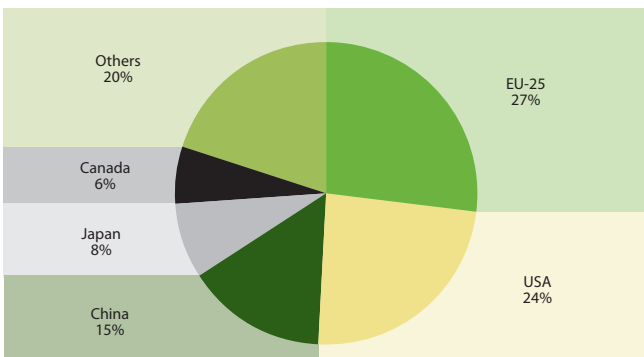
Producers of coniferous sawnwood in 2004



Producers of Wood pulp in 2004



Producers of Paper and paperboard in 2004



Production and trade for roundwood

	(thousand m ³)								
	Production			Imports			Imports extra-EU		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	334 164	387 797	425 693	.	.	.	:	:	27 759
EU-25	319 148	369 865	405 331	.	.	.	:	:	27 759
EU-15	258 005	286 347	314 205	.	.	.	25 550	35 634	23 343
BE	:	4 510	4 950	:	4 024	3 206	:	271	79
BG	2 838	4 784	5 862	2	105	48	.	.	.
CZ	12 365	14 441	15 510	335	954	1 162	:	:	72
DK	2 282	2 952	2 285	681	637	1 153	74	116	44
DE	39 343	53 710	56 946	1 776	3 596	3 083	938	1 655	690
EE	3 709	8 910	6 800	14	346	1 884	:	:	1 629
IE	2 204	2 673	2 648	50	107	233	11	32	17
EL	1 961	2 245	1 523	25	445	164	9	370	147
ES	16 075	14 321	15 532	2 265	3 789	3 555	1 089	1 592	193
FR	36 061	45 828	34 420	2 351	2 043	2 359	1 431	1 272	913
IT	9 736	9 329	8 049	5 058	6 295	5 620	2 616	3 028	3 430
CY	48	21	10	4	2	0	:	:	0
LV	6 890	14 304	12 843	51	136	1 087	:	:	927
LT	5 960	5 500	6 045	16	61	288	:	:	231
LU	:	260	277	:	764	406	:	1	0
HU	4 331	5 902	5 940	239	354	350	:	:	303
MT	-	-	-	2	4	0	:	:	-
NL	1 104	1 039	1 110	465	389	316	117	99	16
AT	14 405	13 276	16 471	4 618	8 591	8 901	2 680	5 430	473
PL	20 651	26 025	31 944	380	732	2 045	:	:	1 253
PT	9 350	10 831	11 106	1 638	1 342	362	1 221	992	187
RO	12 178	13 148	14 501	80	20	336	.	.	.
SI	1 866	2 253	2 733	324	496	536	:	:	0
SK	5 323	6 163	9 302	9	129	60	:	:	-
FI	50 219	54 262	51 599	9 389	10 005	16 212	8 881	9 814	13 799
SE	63 600	63 300	98 700	7 667	11 898	8 850	6 075	10 785	3 289
UK	7 555	7 811	8 589	673	309	658	115	178	66
IS	-	-	:	3	4	1	.	.	.
NO	9 045	8 156	9 667	3 728	3 348	3 256	.	.	.
CH	4 749	9 238	5 043	268	305	240	.	.	.
HR	2 603	3 669	4 018	62	96	63	.	.	.
MK	:	:	822	:	:	1	.	.	.
TR	19 279	15 939	16 185	782	1 883	2 304	.	.	.
CA	188 346	201 845	199 345	6 563	6 540	9 262	.	.	.
RU	116 510	158 100	186 500	975	527	700	.	.	.
US	469 830	466 549	471 862	977	2 571	3 735	.	.	.

Source: Eurostat / New Cronos

Production and trade for roundwood (cont.)

	(thousand m ³)					
	Exports			Exports extra-EU		
	1995	2000	2005	1995	2000	2005
EU-27	.	.	.	:	:	3 619
EU-25	.	.	.	:	:	3 619
EU-15	.	.	.	3 009	3 812	2 805
BE	:	1 181	1 113	:	139	152
BG	92	360	556	.	.	.
CZ	2 335	2 030	3 216	:	:	3
DK	325	877	681	98	233	156
DE	4 983	5 604	6 116	692	1 171	532
EE	2 657	4 432	1 924	:	:	362
IE	304	42	338	28	-	0
EL	60	10	16	2	0	0
ES	537	369	316	4	91	4
FR	2 936	5 859	4 218	205	528	176
IT	5	24	15	1	16	10
CY	-	-	-	:	:	-
LV	2 820	4 353	4 266	:	:	283
LT	1 770	1 203	1 173	:	:	78
LU	:	228	350	:	1	5
HU	695	1 593	1 117	:	:	65
MT	-	-	-	:	:	-
NL	391	241	487	5	10	5
AT	498	942	901	59	65	9
PL	239	347	604	:	:	23
PT	798	570	1 279	11	2	13
RO	-	535	159	.	.	.
SI	174	304	542	:	:	-
SK	919	1 612	1 815	:	:	-
FI	866	533	754	407	174	114
SE	1 738	1 462	3 127	1 419	1 372	1 548
UK	62	362	908	11	9	81
IS	-	-	-	.	.	.
NO	437	515	525	.	.	.
CH	1 030	3 755	1 773	.	.	.
HR	283	586	548	.	.	.
MK	:	:	4	.	.	.
TR	56	4	47	.	.	.
CA	1 387	3 048	5 538	.	.	.
RU	18 460	32 049	48 289	.	.	.
US	12 945	12 157	9 937	.	.	.

Source: Eurostat / New Cronos

Production and trade for sawnwood

	(thousand m ³)								
	Production			Imports			Imports extra-EU		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	82 996	100 071	109 594	.	.	.	:	:	18 014
EU-25	80 962	96 364	104 704	.	.	.	:	:	18 014
EU-15	69 581	79 356	85 514	.	.	.	13 181	19 719	15 179
BE	:	1 150	1 285	:	2 223	2 467	:	1 107	779
BG	257	312	569	2	18	76	.	.	.
CZ	3 498	4 106	4 003	250	336	535	:	:	109
DK	585	364	196	1 927	2 925	2 201	315	394	200
DE	14 207	16 340	22 121	5 296	6 344	4 229	2 920	3 567	1 678
EE	353	1 436	2 200	49	199	627	:	:	513
IE	678	888	894	405	646	955	108	202	194
EL	337	123	191	395	758	874	175	507	517
ES	3 312	3 760	3 660	1 839	3 165	3 390	760	1 730	1 267
FR	10 071	10 536	9 950	2 349	3 341	3 984	752	1 384	1 109
IT	1 862	1 630	1 590	6 406	8 380	7 727	2 458	3 116	5 862
CY	15	9	4	95	67	135	:	:	56
LV	1 300	3 900	4 227	8	135	616	:	:	574
LT	940	1 300	1 500	28	279	658	:	:	592
LU	:	133	133	:	64	58	:	1	2
HU	231	291	215	810	1 139	985	:	:	599
MT	-	-	-	22	22	27	:	:	8
NL	428	389	279	3 277	3 705	3 100	1 097	1 724	1 009
AT	7 814	10 390	11 074	1 037	1 663	1 500	629	1 233	320
PL	3 870	4 262	3 930	135	379	669	:	:	371
PT	1 831	1 427	1 010	153	297	333	109	187	175
RO	1 777	3 396	4 321	2	8	29	.	.	.
SI	513	439	490	105	198	215	:	:	11
SK	661	1 265	2 621	16	55	11	:	:	2
FI	10 007	13 420	12 269	236	341	511	159	321	419
SE	14 970	16 176	18 000	294	348	348	167	289	184
UK	2 295	2 630	2 862	5 533	7 963	8 227	2 732	3 957	1 464
IS	-	-	:	72	94	113	.	.	.
NO	2 212	2 280	2 331	684	945	1 042	.	.	.
CH	1 504	1 625	1 591	583	453	400	.	.	.
HR	578	642	624	95	239	309	.	.	.
MK	:	:	18	:	:	99	.	.	.
TR	4 966	5 528	6 445	155	312	469	.	.	.
CA	43 838	50 465	60 187	1 458	1 736	2 793	.	.	.
RU	27 815	20 000	22 500	51	21	13	.	.	.
US	85 313	91 076	95 619	29 948	34 391	44 400	.	.	.

Source: Eurostat / New Cronos

Production and trade for sawnwood (cont.)

	(thousand m ³)					
	Exports			Exports extra-EU		
	1995	2000	2005	1995	2000	2005
EU-27	.	.	.	:	:	12 999
EU-25	.	.	.	:	:	12 999
EU-15	.	.	.	6 112	8 832	11 760
BE	:	1 025	1 425	:	23	103
BG	36	265	524	.	.	.
CZ	1 548	1 778	1 758	:	:	487
DK	95	117	143	16	20	28
DE	1 907	3 911	6 445	237	702	2 626
EE	299	1 070	1 137	:	:	246
IE	255	174	447	4	-	-
EL	8	11	13	7	11	11
ES	53	128	97	29	27	31
FR	1 045	1 386	1 459	148	225	209
IT	130	208	161	77	144	91
CY	0	1	0	:	:	0
LV	895	3 077	2 835	:	:	265
LT	773	823	908	:	:	194
LU	:	33	55	:	0	1
HU	149	305	187	:	:	20
MT	-	-	0	:	:	-
NL	458	381	488	19	67	16
AT	4 659	6 356	7 281	1 038	1 502	1 615
PL	1 167	1 100	656	:	:	24
PT	525	283	375	70	32	25
RO	746	2 322	2 310	.	.	.
SI	358	344	429	:	:	3
SK	471	920	824	:	:	-
FI	7 376	8 431	7 663	2 072	2 934	3 202
SE	10 339	11 048	11 898	2 367	3 140	3 793
UK	63	195	434	10	5	9
IS	1	-	0	.	.	.
NO	713	656	445	.	.	.
CH	131	193	220	.	.	.
HR	404	533	405	.	.	.
MK	:	:	2	.	.	.
TR	154	43	122	.	.	.
CA	35 139	36 456	41 183	.	.	.
RU	6 076	7 764	15 400	.	.	.
US	6 041	5 129	5 010	.	.	.

Source: Eurostat / New Cronos

Production and trade for wood based panels

	(thousand m ³)								
	Production			Imports			Imports extra-EU		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	40 366	53 201	62 702	.	.	.	:	:	6 454
EU-25	39 670	52 424	61 344	.	.	.	:	:	6 454
EU-15	34 395	44 457	50 072	.	.	.	5 282	6 553	5 943
BE	:	2 821	2 803	:	1 417	1 849	:	519	496
BG	233	470	347	9	42	308	.	.	.
CZ	813	921	1 492	189	462	583	:	:	48
DK	570	448	345	905	1 032	1 592	229	376	239
DE	10 646	14 064	16 979	3 685	4 066	4 655	1 687	2 032	1 276
EE	290	412	411	154	182	196	:	:	132
IE	336	745	875	166	284	328	70	110	107
EL	313	713	867	112	387	427	39	96	153
ES	2 792	4 673	4 844	550	1 179	1 652	80	153	306
FR	3 857	5 538	6 398	1 319	1 692	1 975	244	322	326
IT	4 183	5 425	5 611	1 128	1 729	2 092	649	670	1 486
CY	19	12	2	62	81	171	:	:	24
LV	299	291	426	2	42	136	:	:	13
LT	153	270	398	47	115	377	:	:	39
LU	:	150	450	:	59	50	:	1	0
HU	493	563	674	210	251	474	:	:	48
MT	-	-	-	32	26	37	:	:	4
NL	95	61	11	1 170	1 726	1 643	436	307	187
AT	1 997	2 365	3 453	283	688	772	71	174	48
PL	2 434	4 615	6 737	313	688	1 524	:	:	198
PT	1 170	1 293	1 306	118	246	301	4	34	45
RO	463	306	1 011	45	226	698	.	.	.
SI	390	537	528	92	132	295	:	:	5
SK	386	346	605	108	334	-	:	:	-
FI	1 406	1 875	1 985	107	197	313	50	127	96
SE	1 049	1 012	748	591	667	961	199	370	245
UK	2 531	3 275	3 398	2 679	3 312	3 531	1 376	1 262	931
IS	-	-	:	20	32	22	.	.	.
NO	560	535	582	152	217	273	.	.	.
CH	704	900	965	508	518	605	.	.	.
HR	64	78	128	41	122	266	.	.	.
MK	:	:	-	:	:	76	.	.	.
TR	1 445	2 370	4 771	92	535	1 130	.	.	.
CA	7 783	15 040	16 856	747	1 539	1 668	.	.	.
RU	3 421	4 750	8 103	175	376	1 096	.	.	.
US	36 764	45 723	44 163	5 529	13 933	22 056	.	.	.

Source: Eurostat / New Cronos

Production and trade for wood based panels (cont.)

	(thousand m ³)					
	Exports			Exports extra-EU		
	1995	2000	2005	1995	2000	2005
EU-27	.	.	.	:	:	7 063
EU-25	.	.	.	:	:	7 063
EU-15	.	.	.	2 276	4 404	5 182
BE	:	2 759	2 585	:	356	375
BG	19	182	529	.	.	.
CZ	343	639	777	:	:	207
DK	100	144	161	35	32	38
DE	1 805	4 620	7 266	602	1 511	1 776
EE	233	436	313	:	:	94
IE	183	581	769	10	43	133
EL	34	91	200	19	90	170
ES	543	1 048	1 702	280	380	588
FR	1 723	2 269	3 501	186	258	374
IT	611	1 121	872	304	650	481
CY	-	0	0	:	:	0
LV	628	233	360	:	:	57
LT	102	211	171	:	:	48
LU	:	167	385	:	47	21
HU	159	306	487	:	:	336
MT	-	-	0	:	:	0
NL	331	274	327	15	18	31
AT	1 249	2 030	2 747	205	566	601
PL	451	1 337	2 382	:	:	1 130
PT	647	748	914	82	101	194
RO	144	153	704	.	.	.
SI	138	186	252	:	:	10
SK	109	240	6	:	:	-
FI	900	1 381	1 556	178	211	265
SE	473	265	189	113	87	71
UK	349	352	520	51	54	64
IS	3	-	0	.	.	.
NO	227	341	254	.	.	.
CH	437	675	862	.	.	.
HR	21	39	71	.	.	.
MK	:	:	2	.	.	.
TR	60	64	513	.	.	.
CA	5 267	10 835	13 427	.	.	.
RU	559	1 404	2 191	.	.	.
US	2 912	2 838	2 863	.	.	.

Source: Eurostat / New Cronos

Production and trade for pulp

	(thousand mt)								
	Production			Imports			Imports extra-EU		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	34 320	37 912	:	.	.	.	:	:	7 844
EU-25	33 925	37 534	:	.	.	.	:	:	7 844
EU-15	32 114	35 088	35 944	.	.	.	8 136	9 032	7 456
BE	:	431	509	:	1 099	1 070	:	710	603
BG	97	85	135	1	14	19	.	.	.
CZ	524	637	753	113	122	193	:	:	80
DK	146	-	-	49	52	64	21	11	8
DE	1 984	2 215	2 879	3 750	4 063	4 761	1 857	2 003	1 804
EE	13	54	70	-	1	1	:	:	1
IE	-	-	-	19	33	20	14	28	16
EL	25	5	-	102	110	102	69	90	63
ES	1 602	1 750	1 973	521	669	881	280	293	382
FR	2 822	2 581	2 504	1 956	2 387	2 146	1 320	1 577	1 207
IT	448	434	516	2 778	3 193	3 758	1 928	2 195	1 310
CY	-	-	-	4	2	2	:	:	2
LV	3	-	-	2	0	0	:	:	0
LT	14	-	-	4	8	1	:	:	1
LU	:	-	-	:	0	0	:	-	-
HU	5	-	-	29	173	-	:	:	-
MT	-	-	-	1	0	0	:	:	0
NL	148	137	117	873	904	1 419	494	406	481
AT	1 619	1 761	1 932	552	595	660	264	272	227
PL	879	994	1 049	143	266	489	:	:	232
PT	1 617	1 774	1 932	74	94	75	29	21	10
RO	298	293	161	18	4	14	.	.	.
SI	113	153	:	139	164	195	:	:	65
SK	261	608	609	40	76	7	:	:	7
FI	10 180	12 009	11 134	145	144	282	59	58	137
SE	10 506	11 517	12 108	224	307	467	155	113	126
UK	639	474	341	1 967	1 908	1 624	1 369	1 255	1 082
IS	-	:	:	0	-	0	.	.	.
NO	2 557	2 538	2 458	114	156	79	.	.	.
CH	254	244	264	405	465	452	.	.	.
HR	115	127	98	12	112	1	.	.	.
MK	:	:	-	:	:	1	.	.	.
TR	291	306	225	236	320	368	.	.	.
CA	25 643	26 696	25 417	317	274	317	.	.	.
RU	5 073	5 842	7 011	13	52	25	.	.	.
US	61 932	57 831	54 472	5 417	6 596	6 135	.	.	.

Source: Eurostat / New Cronos

Production and trade for pulp (cont.)

	(thousand mt)					
	Exports			Exports extra-EU		
	1995	2000	2005	1995	2000	2005
EU-27	.	.	.	:	:	1 701
EU-25	.	.	.	:	:	1 701
EU-15	.	.	.	1 042	1 385	1 622
BE	:	718	726	:	30	9
BG	6	60	60	.	.	.
CZ	190	289	358	:	:	44
DK	70	1	0	6	-	0
DE	271	392	796	137	158	204
EE	6	0	-	:	:	-
IE	-	1	2	-	1	1
EL	1	1	5	-	1	3
ES	643	809	939	53	84	84
FR	421	392	465	59	31	34
IT	20	22	34	12	16	32
CY	-	0	-	:	:	-
LV	-	-	0	:	:	2
LT	9	6	0	:	:	4
LU	:	-	-	:	-	-
HU	3	3	16	:	:	25
MT	-	-	-	:	:	-
NL	226	363	499	40	7	73
AT	222	332	234	31	96	39
PL	69	33	42	:	:	3
PT	971	969	762	126	108	26
RO	4	31	15	.	.	.
SI	49	35	45	:	:	0
SK	76	75	-	:	:	-
FI	1 301	1 681	2 037	134	211	368
SE	2 560	3 073	3 535	438	636	746
UK	316	9	5	1	6	3
IS	-	-	-	.	.	.
NO	599	552	670	.	.	.
CH	78	135	112	.	.	.
HR	37	50	43	.	.	.
MK	:	:	-	.	.	.
TR	-	-	1	.	.	.
CA	10 746	11 879	10 622	.	.	.
RU	1 331	1 649	1 950	.	.	.
US	7 494	5 816	5 817	.	.	.

Source: Eurostat / New Cronos

Production and trade for paper and paperboard

	(thousand mt)								
	Production			Imports			Imports extra-EU		
	1995	2000	2005	1995	2000	2005	1995	2000	2005
EU-27	76 238	89 698	97 549	.	.	.	:	:	10 161
EU-25	75 710	89 222	96 852	.	.	.	:	:	10 161
EU-15	71 844	84 519	90 740	.	.	.	:	7 984	9 798
BE	:	1 727	1 897	:	3 218	3 826	:	464	713
BG	153	136	326	42	130	212	.	.	.
CZ	756	804	969	237	581	1 270	:	:	92
DK	362	263	423	1 383	1 151	1 208	:	91	92
DE	15 284	18 182	21 679	7 340	9 810	9 681	:	2 046	1 795
EE	36	54	68	89	65	94	:	:	26
IE	42	43	45	386	431	373	:	43	33
EL	833	496	510	323	682	710	:	168	188
ES	3 684	4 765	5 697	2 184	3 476	3 858	:	545	464
FR	8 302	10 006	10 332	4 525	6 131	6 058	:	677	654
IT	6 949	9 129	9 999	3 218	4 385	4 383	:	1 054	3 649
CY	-	-	-	50	55	64	:	:	50
LV	18	16	39	138	85	150	:	:	32
LT	70	53	113	99	78	152	:	:	34
LU	:	-	-	:	108	196	:	8	0
HU	321	506	571	393	495	388	:	:	20
MT	-	-	-	33	27	30	:	:	4
NL	2 962	3 333	3 471	2 510	3 211	3 386	:	748	291
AT	3 614	4 385	4 950	733	1 397	1 240	:	301	86
PL	1 477	1 934	2 732	410	1 229	2 158	:	:	101
PT	1 050	1 290	1 577	658	644	757	:	31	26
RO	375	340	371	168	147	351	.	.	.
SI	449	411	762	143	182	251	:	:	1
SK	739	925	858	168	247	12	:	:	4
FI	11 922	13 509	12 391	268	356	470	:	85	95
SE	9 120	10 786	11 736	313	754	846	:	281	403
UK	6 305	6 605	6 033	5 720	6 420	7 265	:	1 442	1 309
IS	-	:	:	32	35	39	.	.	.
NO	2 283	2 300	2 223	464	465	476	.	.	.
CH	1 145	1 616	1 751	1 066	979	1 147	.	.	.
HR	324	406	592	144	196	208	.	.	.
MK	:	:	20	:	:	27	.	.	.
TR	1 305	1 567	1 643	638	1 006	1 020	.	.	.
CA	17 077	20 921	19 673	1 253	3 810	3 865	.	.	.
RU	2 489	5 310	7 024	321	358	1 100	.	.	.
US	76 477	86 252	81 437	11 699	16 279	16 756	.	.	.

Source: Eurostat / New Cronos

Production and trade for paper and paperboard (cont.)

	(thousand mt)					
	Exports			Exports extra-EU		
	1995	2000	2005	1995	2000	2005
EU-27	.	.	.	:	:	16 069
EU-25	.	.	.	:	:	16 069
EU-15	.	.	.	:	13 198	15 236
BE	:	2 301	3 123	:	236	535
BG	14	55	139	.	.	.
CZ	303	536	828	:	:	171
DK	240	239	308	:	24	29
DE	7 021	8 905	12 205	:	2 879	2 929
EE	94	53	80	:	:	36
IE	51	60	43	:	6	1
EL	27	62	72	:	50	42
ES	684	1 479	2 249	:	375	465
FR	2 856	4 743	5 578	:	902	1 056
IT	1 707	2 241	2 395	:	752	1 589
CY	1	1	0	:	:	0
LV	14	9	63	:	:	24
LT	25	37	87	:	:	27
LU	:	67	40	:	6	13
HU	86	230	312	:	:	78
MT	-	-	0	:	:	0
NL	2 724	3 000	3 151	:	748	886
AT	2 659	3 449	3 922	:	1 109	896
PL	336	754	1 407	:	:	417
PT	583	744	1 227	:	43	72
RO	49	115	130	.	.	.
SI	202	422	565	:	:	51
SK	404	349	34	:	:	28
FI	9 746	11 642	11 155	:	3 493	3 965
SE	6 963	9 031	10 593	:	2 084	2 441
UK	1 426	1 794	1 495	:	491	316
IS	0	2	0	.	.	.
NO	1 798	1 982	1 911	.	.	.
CH	949	1 183	1 364	.	.	.
HR	130	180	131	.	.	.
MK	:	:	7	.	.	.
TR	59	65	175	.	.	.
CA	15 454	15 613	15 731	.	.	.
RU	1 535	2 253	2 750	.	.	.
US	9 810	9 139	9 610	.	.	.

Source: Eurostat / New Cronos

European Commission

Forestry statistics

Luxembourg: Office for Official Publications of the European Communities

2007 — 97 pp. — 21 x 10.5 cm

ISBN 92-79-02956-8

Theme: Agriculture and fisheries

Collection: Pocketbooks

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Forestry statistics

The European Union of 27 Member states (EU-27) has a total area of forests and other wooded land of 177 million hectares, covering 42 % of its land area. Contrary to what is happening in other parts of the world, forest cover in the EU is slowly but steadily increasing at the rate of approximately 0.4 % per year. Forests provide many benefits to society and the economy and play an important role in the preservation of natural biodiversity and in climate change mitigation.

This Pocketbook presents forestry statistics for the EU, the EU candidate countries and the EFTA countries for the period 1995–2005. It summarises Eurostat's most relevant data on the forestry sector as well as data produced by other organisations, thus providing the reader with a comprehensive view of the sector.

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ISBN 92-79-02956-8



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