

Production and trade of wood products in 2006

Forests provide the renewable raw material for wood-based industries, income for remote areas and fibres that are increasingly recycled. In 2006, the EU-27 remained the world's leading producer of sawnwood (+4.3% compared with 2005) and paper and paperboard products (+3.5%). The wood pulp industry showed a 5.5% growth. The production of wood-based panels grew by 3.3%, and China came a close second to the EU-27 as the number one producer.

In 2006, the European Union remained the world's largest producer of sawnwood

The 27 Member States of the EU (EU-27) showed a growth in sawnwood production of almost 4.6 million m³ (4.3%), totalling about 112.7 million m³. The strongest increases were recorded in the Czech Republic (26.9%), Belgium (18.3%), Germany (11.3%) and Slovenia (10.1%). Germany maintained its position as the number one producer of sawnwood in Europe, with over 24.4 million m³ (Table 1). The largest decreases

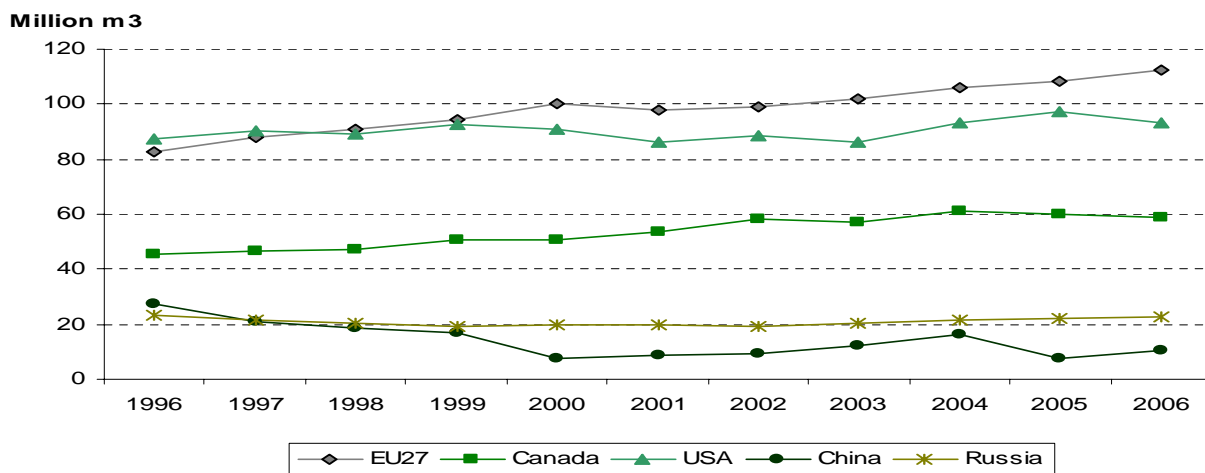
were observed in Hungary (-13.5%) and Slovakia (-6.9%).

Sawnwood imports increased by 381 thousand m³ (25.4%) in Austria, whereas volumes in France and the UK dropped by 249 (-6.2%) and 475 thousand m³ (-5.8%) respectively. Italy remained Europe's largest importer, increasing by 136 thousand m³ (1.8%). Exports from the EU-27 increased most in Sweden and Germany, by 11.1% and 9% respectively compared with 2005. Exports declined most in Estonia (-14.7%), followed by Lithuania (-12.2%) and Latvia (-9.3%).

The USA and Canada registered a decrease in sawnwood production of 4.1% and 2.5% respectively compared with 2005.

China showed a steady decrease in the production of sawnwood as compared with 1999. This must be considered in conjunction with the marked increases in the production of wood-based panels, paper and paperboard ever since that year (Figure 2, Figure 5), when China started producing more wood products of greater value-added.

Figure 1: Sawnwood production of the EU-27, Canada, USA, China and Russia



Source: Eurostat – see methodological note

Table 1: Production and trade for sawnwood

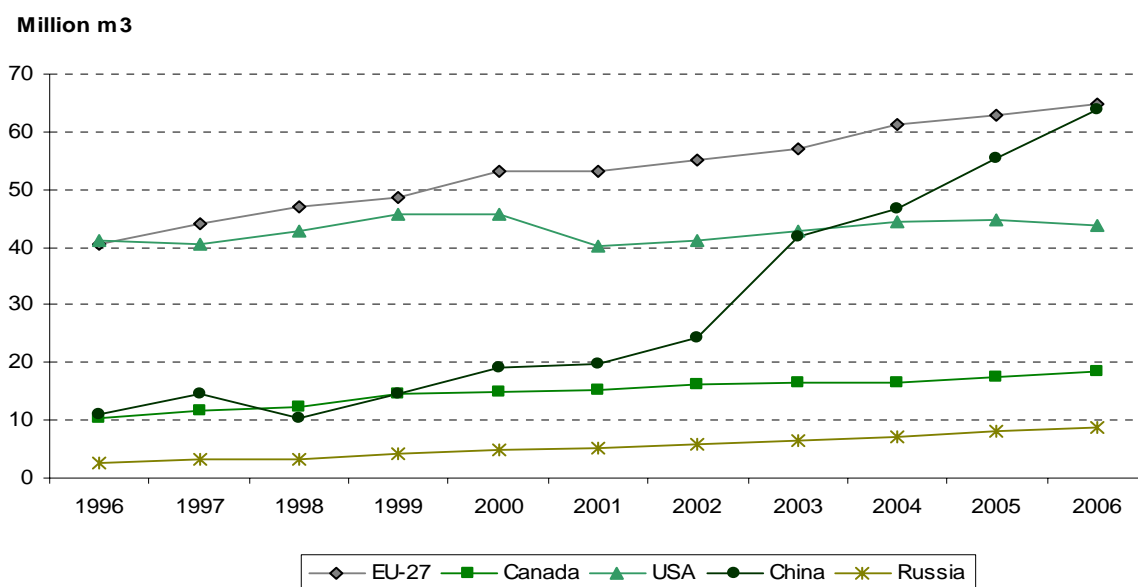
1000m³

	Production			Imports			Exports			Apparent consumption		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
EU27	105864	108072	112715	:	:	:	:	:	:	:	:	:
EU25	100707	103182	107676	:	:	:	:	:	:	:	:	:
BE	1235	1285	1520	2249	2467	2503	1266	1425	1396	2218	2327	2627
BG	569	569	569	20	76	76	253	524	524	336	121	121
CZ	3940	4003	5080	406	535	507	1616	1758	2000	2730	2780	3587
DK	196	196	196	2351	2201	:	133	143	:	2414	2254	:
DE	19538	21931	24420	5162	4878	4821	6212	7391	8057	18488	19418	21184
EE	2029	2063	2030	499	627	753	1030	1137	970	1498	1553	1813
IE	939	1015	1094	704	955	990	411	447	393	1232	1523	1691
EL	191	191	191	918	874	948	18	13	12	1091	1052	1127
ES	3730	3660	3806	3326	3391	3373	80	96	117	6976	6955	7062
FR	9774	9715	9950	3829	4023	3774	1377	1469	1476	12226	12269	12248
IT	1580	1590	1748	7661	7727	7863	157	161	169	9084	9156	9442
CY	5	4	4	121	135	120	0	0	0	126	139	124
LV	3988	4227	4320	688	616	481	2988	2835	2572	1688	2008	2229
LT	1450	1445	1466	511	658	538	923	913	802	1038	1190	1202
LU	133	133	133	64	58	57	51	55	38	146	136	152
HU	205	215	186	1138	985	852	207	187	172	1136	1013	866
MT	0	0	0	27	22	19	0	0	0	27	22	19
NL	273	279	265	3175	3100	3399	388	488	555	3060	2891	3109
AT	11133	11074	10507	1489	1500	1881	7396	7281	6889	5226	5293	5499
PL	3743	3360	3607	530	669	541	868	656	604	3405	3373	3544
PT	1060	1010	1010	280	333	286	319	375	456	1021	968	840
RO	4588	4321	4470	21	29	44	2840	2310	2306	1769	2040	2208
SI	512	527	580	224	215	216	411	429	428	325	313	368
SK	1837	2621	2440	41	38	72	417	762	1192	1461	1897	1320
FI	13544	12269	12227	404	511	578	8226	7663	7728	5722	5117	5077
SE	16900	17600	18000	336	348	384	11259	11898	13217	5977	6050	5167
UK	2772	2770	2895	8653	8223	7748	371	358	365	11054	10635	10278
HR	582	624	669	338	309	371	355	405	477	565	528	563
TR	6215	6445	7079	373	469	626	57	122	44	6531	6792	7661
IS	0	0	0	97	113	95	0	0	0	97	113	95
NO	2230	2326	2389	877	1042	1035	481	442	474	2626	2926	2950
CH	1505	1591	1668	383	400	409	198	220	252	1690	1771	1825
RU	21380	22033	22500	13	24	13	12559	14778	16091	8834	7279	6422
CA	60952	60187	58709	2994	2226	1584	41100	41185	38997	22846	21228	21296
US	93067	97020	93016	43992	43504	40109	4417	4380	4607	132642	136144	128518
CN	16236	7324	10245	7628	7628	8108	701	701	846	23163	14251	17508

Source: Eurostat

Wood-based panels production increased by 3.3%

Figure 2: Wood-based panels production of the EU-27, Canada, USA, China and Russia



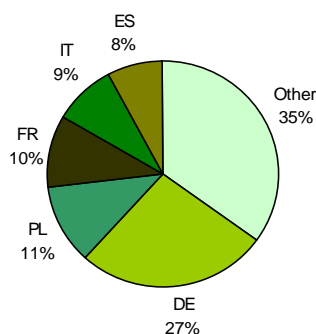
Source: Eurostat

In the EU-27, wood-based panels production (comprising veneer sheets, plywood, particle board and fibreboard) increased by 3.3% (Table 2). Germany continued to be the main producer of wood-based panels in Europe (Figure 3), with a growth of 308 thousand m³ (1.8%). The strongest increase in wood-based panels production was recorded in Romania (27.6%). Decreases were registered in the Netherlands (-9.1%), Lithuania (-5%) and Belgium (-3.9%).

particularly in Finland (8.4%), Slovenia (7.4%) and Romania (7.1%). Particle board production increased by 3.6% compared with 2005, reaching about 42 million m³. Fibreboard production increased by 3.7%, to almost 17 million m³.

Wood-based panels exports increased most in Italy (29.5%), the Czech Republic (26.6%) and France (17.3%). Wood-based panels imports declined in Cyprus (-25.1%), Hungary (-13.5%) and the United Kingdom (-4.7%), see Table 2.

Figure 3: Main producers of wood-based panels in the EU-27 in 2006



Source: Eurostat

The production of veneer sheets remained unchanged in the EU-27, whereas plywood production increased,

In Russia, Canada and China, the production of wood-based panels increased by 8.4%, 5.8% and 14.9% respectively compared with 2005, whereas the USA registered a decrease of 2%.

Chinese production of wood-based panel products has now reached the same level as that of the EU-27 (Figure 2, Table 2).

Chinese plywood production increased by 8.2% compared with 2005. Particle board and fibreboard production increased from 5.8 to 8.4 million m³ and 20.6 to 24 million m³ respectively between 2005 and 2006. China now produces twice as many veneer sheets, six times more plywood and nearly 30% more fibreboard than the EU-27. Particle board is the only wood-based panels product for which the EU-27 produces more than China (Table 2).

Table 2: Production and trade for wood-based panels

1000m³

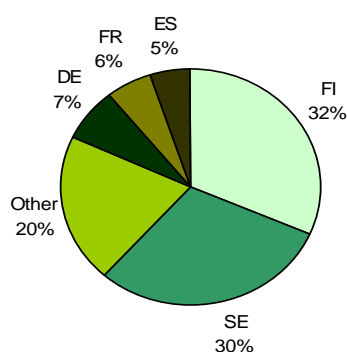
	Production of wood-based panels by product												Production and trade for wood-based panels								
	Veneer sheets			Plywood			Particle board			Fibreboard			Production			Imports			Exports		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
EU27	1535	1580	1577	4274	4355	4348	40222	40651	42107	15208	16294	16895	61238	62881	64927	:	:	:	:	:	:
EU25	1478	1504	1485	4099	4171	4155	39554	40008	41279	14740	15839	16371	59870	61523	63290	:	:	:	:	:	:
BE	40	38	40	20	20	20	2205	2365	2260	375	380	375	2640	2803	2695	1878	1849	1973	2775	2585	2751
BG	19	19	19	58	58	58	193	160	160	147	110	110	417	347	347	149	308	308	423	529	529
CZ	19	19	19	153	165	170	1128	1218	1240	90	90	90	1390	1492	1519	544	583	641	767	777	984
DK	0	0	0	0	0	0	360	345	345	0	0	0	360	345	345	1567	1592	:	173	161	:
DE	392	392	392	283	236	235	10617	10925	10840	5058	5539	5933	16350	17092	17400	4143	4135	4133	6962	7645	7505
EE	41	33	26	41	70	54	218	230	249	90	93	95	390	426	423	174	196	215	308	313	321
IE	0	0	0	0	0	0	419	435	436	422	440	501	841	875	937	264	328	374	616	769	827
EL	0	0	0	13	13	13	821	821	821	8	8	8	842	842	842	482	427	445	201	200	136
ES	56	58	60	375	557	468	3244	3174	3316	1247	1247	1247	4922	5036	5091	1640	1606	1766	1572	1479	1274
FR	61	71	76	435	415	431	4350	4600	4760	1300	1310	1390	6146	6396	6657	1783	2022	2008	2987	3505	4111
IT	470	470	470	485	390	334	3655	3525	3725	1056	1156	1211	5666	5541	5740	2161	2092	2001	1130	872	1129
CY	0	0	0	2	2	3	0	0	0	0	0	0	2	2	3	122	171	128	0	0	0
LV	29	20	20	197	225	238	168	180	192	0	0	0	394	426	450	94	136	154	322	360	401
LT	0	0	0	36	36	16	270	274	275	87	88	87	393	398	378	324	381	425	188	171	133
LU	0	0	0	0	0	0	150	200	200	250	250	250	400	450	450	50	50	43	367	385	357
HU	41	38	42	24	23	19	521	564	648	53	49	11	638	674	720	385	474	410	350	487	375
MT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	37	40	1	0	0
NL	0	0	0	0	0	0	0	0	0	8	11	10	8	11	10	1597	1643	1871	308	327	363
AT	23	23	23	186	195	195	2400	2425	2546	810	810	685	3419	3453	3449	698	772	813	2689	2747	2860
PL	107	110	72	342	361	385	4101	3940	4486	1941	2326	2413	6491	6737	7356	1402	1524	1570	2292	2382	2132
PT	28	30	30	21	21	21	875	850	850	399	405	405	1323	1306	1306	242	301	341	963	914	942
RO	38	57	73	117	126	135	475	483	668	321	345	414	951	1011	1290	555	698	881	692	704	818
SI	59	64	68	27	27	29	214	130	136	213	221	210	513	442	443	252	295	340	222	252	289
SK	18	4	3	38	18	19	300	312	348	152	272	294	508	606	664	375	318	507	391	329	363
FI	79	79	89	1350	1305	1415	448	452	440	147	149	130	2024	1985	2074	281	313	362	1627	1556	1623
SE	15	55	55	71	92	92	437	487	540	154	154	154	677	788	841	953	961	1093	183	191	188
UK	0	0	0	0	0	0	2653	2557	2626	880	841	872	3533	3398	3498	3813	3552	3384	519	520	539
HR	26	22	21	4	1	1	73	105	139	0	0	0	103	128	161	250	266	244	68	71	126
TR	70	75	84	60	64	55	2700	2890	2750	1003	1742	2100	3833	4771	4989	729	1130	896	406	513	561
IS	:	0	0	:	0	0	:	0	0	:	0	0	:	0	0	20	22	24	0	0	0
NO	:	:	:	28	28	28	383	366	382	178	189	193	589	583	603	247	273	316	266	254	268
CH	10	10	5	15	15	5	450	470	470	422	470	485	897	965	964	586	569	617	878	833	903
RU	195	233	172	2246	2556	2598	3638	3930	4594	1158	1296	1325	7237	8015	8689	983	1126	2007	2013	2181	2333
CA	860	880	790	2344	2322	2252	11285	12467	13650	2130	1912	1907	16619	17581	18599	1612	2171	2695	13383	13467	12978
US	400	400	400	14833	14449	13651	21825	22221	21918	7455	7719	7933	44514	44789	43902	21077	20731	20006	2940	2082	2189
CN	3120	3120	3154	21797	25961	28099	6512	5843	8493	15340	20643	24097	46769	55567	63842	5491	5346	4941	5486	7719	9774

Source: Eurostat

Wood pulp production increased by 5.5%

In 2006, the EU-27 recorded a growth in wood pulp production of almost 2.1 million metric tonnes (5.5%), totalling about 41.1 million metric tonnes (Table 3). The main producers of wood pulp in the EU-27 are Finland

Figure 4: Main producers of wood pulp in the EU-27 in 2006



Source: Eurostat

(13 million metric tonnes) and Sweden (12.2 million metric tonnes), see Figure 4. The strongest increase was observed in Finland (17.4%) and the largest decrease in Slovenia (-30.4%).

The strongest increases in wood pulp imports were observed in Portugal (31.7%), Finland (16%) and Ireland (10%). Wood pulp imports declined in Hungary (-34.3%), followed by Greece (-25.5%) and Belgium (-21.7%). The volume of exports increased in Finland (by 724 thousand metric tonnes, 35.5%), Belgium (by 183 thousand metric tonnes, 25.2%) and France (by 68 thousand metric tonnes, 14.6%), whereas volume in Sweden dropped significantly (by 181 thousand metric tonnes, -5.1%).

In the USA, production of wood pulp increased by 1.5%, totalling about 55.6 million metric tonnes, whereas Canada registered a decrease of 7.3% compared to 2005.

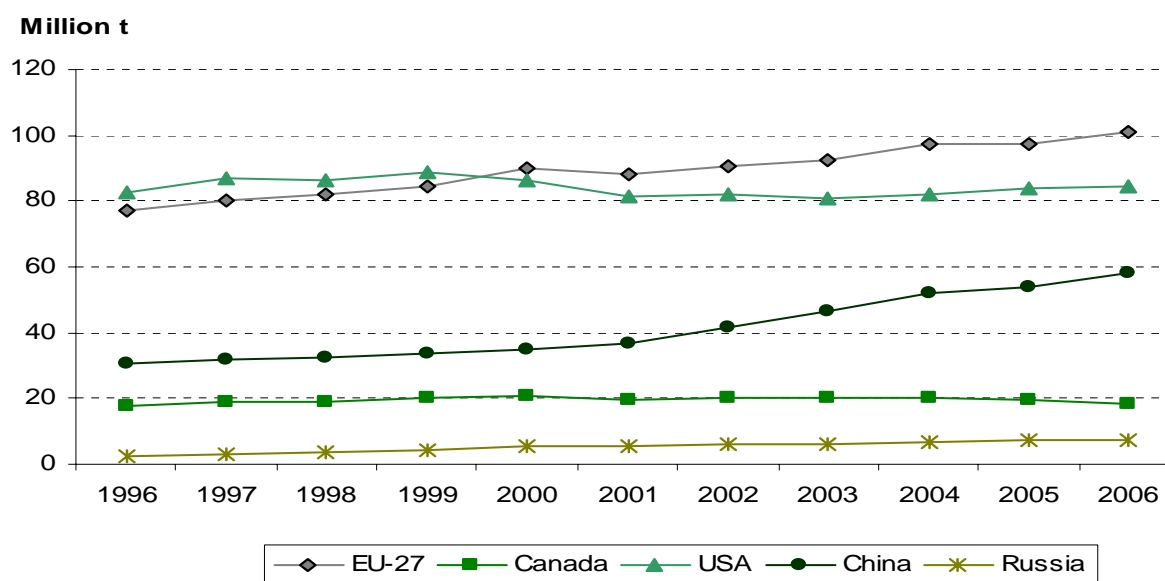
Table 3: Production and trade for wood pulp

	Production			Imports			Exports		
	2004	2005	2006	2004	2005	2006	2004	2005	2006
EU27	:	39004	41137	:	:	:	:	:	:
EU25	:	38708	40854	:	:	:	:	:	:
BE	532	509	509	991	1070	838	724	726	909
BG	135	135	135	18	19	19	60	60	60
CZ	732	753	762	163	193	184	340	358	343
DK	0	0	0	58	64	:	1	0	:
DE	2502	2879	2938	4723	4829	4836	528	824	952
EE	69	67	136	0	1	3	0	0	51
IE	0	0	0	24	20	22	4	2	1
EL	0	0	0	113	102	76	7	5	1
ES	1995	2039	2104	845	881	928	971	939	994
FR	2503	2504	2408	2199	2147	2226	578	465	533
IT	492	516	502	3372	3758	3686	22	34	30
CY	0	0	0	2	2	2	0	0	0
LV	0	0	0	0	0	0	0	0	0
LT	0	0	0	2	1	2	0	0	0
LU	0	0	0	0	0	0	0	0	0
HU	0	0	0	240	265	174	0	0	1
MT	0	0	0	0	0	0	0	0	0
NL	119	117	109	1260	1419	1243	370	499	509
AT	1934	1932	1928	673	660	722	258	234	221
PL	1027	1049	1061	468	489	415	41	42	31
PT	1949	1990	2065	110	41	54	933	960	1016
RO	262	161	148	6	14	14	32	15	1
SI	:	161	112	203	195	195	31	45	24
SK	520	609	626	104	96	89	109	105	91
FI	12614	11134	13067	166	282	327	2359	2037	2761
SE	12106	12108	12240	435	467	459	3546	3535	3354
UK	344	341	287	1565	1627	1400	3	5	14
HR	109	98	107	1	1	1	43	43	43
TR	225	225	225	368	487	487	1	1	1
IS	:	0	0	0	0	0	0	0	0
NO	2528	2458	2303	92	79	59	659	670	641
CH	271	264	239	506	507	530	112	112	103
RU	6971	7053	7056	22	25	25	1866	1946	1907
CA	26423	25440	23591	286	319	313	11497	10611	10849
US	54472	54819	55635	6102	6135	6295	5644	5817	5993
CN	4080	4080	4080	8097	8375	8663	39	55	65

Source: Eurostat

Paper and paperboard production increased by 3.5%

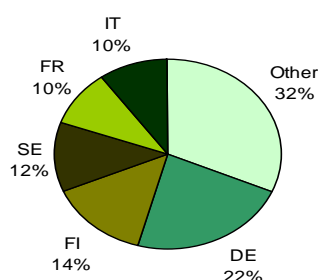
Figure 5: Paper and paperboard production of the EU-27, Canada, USA, China and Russia



Source: Eurostat

The EU-27 showed a growth in paper and paperboard production of almost 3.4 million metric tonnes (3.5%), totalling about 100.9 million metric tonnes. The main producers are Germany, Finland and Sweden (Figure 6). The strongest increases in paper and paperboard production were recorded in Latvia (46.2%), Finland (14.2%) and Spain (11.5%). The largest decreases were observed in the United Kingdom (-7.5%) and France (-3.2%), see Table 4. Germany continued to be the main exporter of paper and paperboard in Europe, showing a growth of 479 thousand metric tonnes (3.8%).

Figure 6: Main producers of paper and paperboard in the EU-27 in 2006



Source: Eurostat

Paper and paperboard exports increased in Ireland (55.8%) – through this seems to have come mainly from re-exports Estonia (35.0%) and Italy (26.9%). Exports declined in Latvia (-31.7%), Luxembourg (-22.5%) and the United Kingdom (-14.0%). The main importers of paper and paperboard in the EU-27 were Germany (10.6 million metric tonnes), the United Kingdom (7.7 million metric tonnes) and France (6.1 million metric tonnes). The largest decreases in paper and paperboard imports were observed in Luxembourg (-23.5%) and the strongest increases in Greece (57.7%). In Russia and China, production of paper and paperboard increased by 4.6% (to 7.4 million metric tonnes) and 7.2% (to 57.9 million metric tonnes) respectively. A large amount of the Chinese production came from the recycling of used paper¹ and an increase in imports of wood pulp (Table 3). Canada registered a decrease in production of 6.8% compared to 2005.

China and the USA registered an increase in paper and paperboard exports by 17% and 0.4% respectively, whereas Canada and the Russia registered a decrease by 7.9% and 1% compared to 2005. Regarding imports, volume in the Russia increased by 222 thousand metric tonnes (20.8%), whereas volume in Canada and China dropped by 559 (-14.9%) and 727 thousand metric tonnes (-7.8%) respectively.

¹ <http://www.bir.org/aboutrecycling/paper.asp>

Table 4: Production and trade for paper and paperboard

1000t

	Production			Imports			Exports		
	2004	2005	2006	2004	2005	2006	2004	2005	2006
EU27	97289	97584	100992	:	:	:	:	:	:
EU25	96509	96887	100274	:	:	:	:	:	:
BE	1957	1897	1897	3025	3826	3957	2640	3123	3298
BG	326	326	326	186	212	212	137	139	139
CZ	934	969	1042	996	1270	1249	704	828	769
DK	402	423	423	1220	1208	:	276	308	:
DE	20391	21679	22655	10465	10618	10694	11556	12579	13058
EE	66	64	73	96	94	139	81	80	108
IE	45	45	45	352	381	444	38	43	67
EL	510	510	510	565	710	1118	70	72	68
ES	5526	5697	6354	3419	3746	3998	1605	2211	2719
FR	10255	10332	10006	6302	6089	6143	5538	5590	5264
IT	9667	9999	10008	4893	4383	5176	2674	2750	3491
CY	0	0	0	68	64	77	0	0	0
LV	38	39	57	130	150	136	46	63	43
LT	99	113	119	136	152	171	72	87	94
LU	0	0	0	117	196	150	26	40	31
HU	579	571	553	664	689	720	435	421	432
MT	0	0	0	33	30	33	1	0	0
NL	3459	3471	3367	3055	3386	3367	2957	3151	3169
AT	4852	4950	5213	1288	1240	1291	4128	3922	4113
PL	2635	2732	2857	1965	2158	2578	1262	1407	1469
PT	1664	1570	1644	783	752	746	1045	1210	1283
RO	454	371	392	321	351	416	225	130	141
SI	767	763	759	222	251	269	557	567	556
SK	798	858	888	381	362	403	649	709	771
FI	14036	12391	14149	420	470	458	12708	11155	12906
SE	11589	11775	12066	628	853	905	10211	10536	10849
UK	6240	6039	5589	7528	7663	7756	1557	1164	1001
HR	464	592	564	183	208	213	136	131	121
TR	1643	1643	1643	1020	2068	2068	175	175	175
IS	:	0	0	36	39	40	0	0	0
NO	2294	2223	2109	450	476	491	2004	1911	1821
CH	1777	1751	1685	1128	1147	1157	1386	1363	1304
RU	6830	7126	7451	883	1065	1287	2707	2737	2710
CA	20462	19498	18176	3709	3745	3186	16122	15484	14260
US	82084	83697	84317	17513	16756	16524	9033	9610	9644
CN	52086	54083	57983	10381	9363	8636	4438	4858	5683

Source: Eurostat

METHODOLOGICAL NOTES

Data source:

Eurostat, UNECE, FAO and ITTO are the joint owners of the data, collected worldwide with the Joint Forest Sector Questionnaire.

Data are in cubic metres of solid volume or metric tonnes underbark (i.e. without bark). In cases where countries failed to report, data were repeated.

Definitions:

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 and "lumber", etc.

Wood based panels comprise the following panel products: veneer sheets, plywood, particle board, and fibreboard

Wood pulp - fibrous material prepared from pulpwood, wood chips, particles or residues by mechanical and/or chemical processes for further manufacture into paper, paperboard, fibreboard or other cellulose products.

Paper and paperboard: the sum of graphic papers, sanitary and household papers, packaging materials and other paper and

paperboard. Manufactured paper products such as boxes, cartons, books and magazines, etc. are excluded.

Symbols used:

:

:

0 less than half the final digit shown

Country codes:

EU-27: The 27 Member States of the EU as of 1.1.2007 –

EU-25: The 25 Member States of the EU as of 1.5.2004 –

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 – IS Iceland –

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