

Tables based on JQ

<u>Code</u>	<u>Sheet ID</u>	<u>Title</u>	<u>Flow</u>	<u>Unit</u>	<u>Years</u>
1.1.1	-a	Apparent consumption of industrial roundwood,sawnwood, wood-based panels and paper and paperboard in UNECE region	AC	1000 m3/mt/m3 SWE	2018-2022
1.1.1	-b	Production and trade (volume and value) of industrial roundwood, sawnwood, wood-based panels and paper and paperboard in UNECE region	P, M, X, AC	1000 m3/mt	2018-2022
RW-1	a	Removals of Industrial Roundwood	Removals	1000 m3	2018-2022
RW-2	a	Exports and Imports of Industrial Roundwood	Exports & Imports	1000 m3	2018-2022
RW-3	c	Exports and Imports of Wood Residues, Chips and Particles	Exports & Imports	1000 m3	2018-2022
RW-4	a	Exports and Imports of Industrial Roundwood	Exports & Imports	1000 US\$	2018-2022
RW-5	a	Industrial Roundwood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
RW-6	a	Softwood Industrial Roundwood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
RW-7	a	Hardwood Industrial Roundwood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
SW-1	a	Production of Sawn Softwood	Production	1000 m3	2018-2022
SW-2	a	Exports and Imports of Sawn Softwood	Exports & Imports	1000 m3	2018-2022
SW-3	a	Sawn Softwood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
SW-4	a	Exports and Imports of Sawn Softwood	Exports & Imports	1000 US\$	2018-2022
HW-1	a	Production of Sawn Hardwood	Production	1000 m3	2018-2022
HW-2	a	Exports and Imports of Sawn Hardwood	Exports & Imports	1000 m3	2018-2022
HW-3	a	Sawn Hardwood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
HW-4	a	Exports and Imports of Sawn Hardwood	Exports & Imports	1000 US\$	2018-2022
WBP-1	a	Production of Plywood	Production	1000 m3	2018-2022
WBP-2	a	Exports and Imports of Plywood	Exports & Imports	1000 m3	2018-2022
WBP-3	a	Plywood Balance	P, M, X and derived NT AC	1000 m3	2018-2023
WBP-4	a	Exports and Imports of Plywood	Exports & Imports	1000 US\$	2018-2022
WBP-5	b	Production of Particle Board (less OSB)	Production	1000 m3	2018-2022
WBP-6	c	Exports and Imports of Particle Board (less OSB)	Exports & Imports	1000 m3	2018-2022
WBP-7	a	Particle Board (less OSB) Balance	P, M, X and derived NT AC	1000 m3	2018-2023
WBP-8	c	Exports and Imports of Particle Board (less OSB)	Exports & Imports	1000 US\$	2018-2022
WBP-9	a	Production of OSB	Production	1000 m3	2018-2022
WBP-10	a	Exports and Imports of OSB	Exports & Imports	1000 m3	2018-2022
WBP-11	a	OSB Balance	P, M, X and derived NT AC	1000 m3	2018-2023
WBP-12	a	Exports and Imports of OSB	Exports & Imports	1000 US\$	2018-2022
WBP-13	a	Production of Fibreboard	Production	1000 m3	2018-2022
WBP-14	a	Exports and Imports of Fibreboard	Exports & Imports	1000 m3	2018-2022
WBP-15	a	Fibreboard Balance	P, M, X and derived NT AC	1000 m3	2018-2023
WBP-16	a	Exports and Imports of Fibreboard	Exports & Imports	1000 US\$	2018-2022
WBP-17	a	Wood-based Panel Balance (excluding veneer)	P, M, X and derived NT AC	1000 m3	2018-2023
WBP-18	a	Value of wood-based panel imports	M	million \$	2018-2022
WBP-19	a	Value of wood-based panel exports	X	million \$	2018-2022
P&P-1	a	Production of mechanical and semi-chemical pulp	Production	1000 mt	2018-2022
P&P-2	a	Exports and Imports of mechanical and semi-chemical pulp	Exports & Imports	1000 mt	2018-2022
P&P-3	a	mechanical and semi-chemical Pulp Balance	P, M, X and derived NT AC	1000 mt	2018-2022
P&P-4	a	Exports and Imports of mechanical and semi-chemical pulp	Exports & Imports	1000 US\$	2018-2022
P&P-5	a	Production of chemical pulp	Production	1000 mt	2018-2022

P&P-6	a	Exports and Imports of chemical pulp	Exports & Imports	1000 mt	2018-2022
P&P-7	a	Chemical pulp Balance	P, M, X and derived NT AC	1000 mt	2018-2022
P&P-8	a	Exports and Imports of chemical pulp	Exports & Imports	1000 US\$	2018-2022
P&P-9	a	Production of dissolving pulp	Production	1000 mt	2018-2022
P&P-10	a	Exports and Imports of dissolving pulp	Exports & Imports	1000 mt	2018-2022
P&P-11	a	Dissolving pulp Balance	P, M, X and derived NT AC	1000 mt	2018-2022
P&P-12	a	Exports and Imports of dissolving pulp	Exports & Imports	1000 US\$	2018-2022
P&P-13	a	Wood Pulp	P and AC	million mt	2018, 2021-2022
P&P-14	a	Production of Graphic Paper	Production	1000 mt	2018-2022
P&P-15	a	Exports and Imports of Graphic Paper	Exports & Imports	1000 mt	2018-2022
P&P-16	a	Graphic Paper Balance	P, M, X and derived NT AC	1000 mt	2018-2022
P&P-17	a	Exports and Imports of Graphic Paper	Exports & Imports	1000 US\$	2018-2022
P&P-18	a	Production of Packaging Paper	Production	1000 mt	2018-2022
P&P-19	a	Exports and Imports of Packaging Paper	Exports & Imports	1000 mt	2018-2022
P&P-20	a	Packaging Paper Balance	P, M, X and derived NT AC	1000 mt	2018-2022
P&P-21	a	Exports and Imports of Packaging Paper	Exports & Imports	1000 US\$	2018-2022
P&P-22	a	Wood Pulp Balance	P, M, X and derived NT AC	1000 mt	2018-2023
P&P-23	a	Paper and Paperboard Balance	P, M, X and derived NT AC	1000 mt	2018-2023
P&P-24	a	Paper and Paperboard Europe	P and AC	million mt	2018, 2021-2022
P&P-25	a	Paper and Paperboard North America	P and AC	million mt	2018, 2021-2022
S-1	a	Exports and Imports of Further Processed Sawnwood	Exports & Imports	1000 US\$	2018-2022
S-2	a	Exports and Imports of Wooden Furniture	Exports & Imports	1000 US\$	2018-2022
S-3	a	Exports and Imports of Household and Sanitary Paper (ready for use)	Exports & Imports	1000 US\$	2018-2022
S-4	a	Production of Wood Pellets	Production	1000 mt	2018-2022
S-5	a	Exports and Imports of Wood Pellets	Exports & Imports	1000 mt	2018-2022
S-6	a	Exports and Imports of Wood Pellets	Exports & Imports	1000 US\$	2018-2022
S-7	a	Wood Pellet Balance	P, M, X and derived NT AC	1000 mt	2018-2023
Annex-1	a	Apparent consumption of industrial roundwood	AC	1000 m3	2018-2022
Annex-2	a	Apparent consumption of sawn softwood	AC	1000 m3	2018-2022
Annex-3	a	Apparent consumption of sawn hardwood	AC	1000 m3	2018-2022
Annex-4	a	Apparent consumption of wood-based panels (excludes veneer)	AC	1000 m3	2018-2022
Annex-5	a	Apparent consumption of plywood	AC	1000 m3	2018-2022
Annex-6	a	Apparent consumption of particleboard (excluding OSB)	AC	1000 m3	2018-2022
Annex-7	a	Apparent consumption of OSB	AC	1000 m3	2018-2022
Annex-8	a	Apparent consumption of fiberboard	AC	1000 m3	2018-2022
Annex-9	a	Apparent consumption of chemical woodpulp	AC	1000 m.t.	2018-2022
Annex-10	a	Apparent consumption of paper and paperboard	AC	1000 m.t.	2018-2022
Annex-11	a	Apparent consumption of graphic papers	AC	1000 m.t.	2018-2022
Annex-12	a	Apparent consumption of sanitary and household papers	AC	1000 m.t.	2018-2022
Annex-13	a	Apparent consumption of packaging materials	AC	1000 m.t.	2018-2022
Annex-14	a	Apparent consumption of wood pellets	AC	1000 m.t.	2018-2022

Apparent consumption of industrial roundwood, sawnwood a/, wood-based panels and paper and paperboard in UNECE region, 2018-2022									
		Thousand	2018	2019	2020	2021	2022	Change 2021 to 2022	Change 2018 to 2022
								Volume	%
									%
Europe									
Industrial roundwood	m3		441 180	432 648	415 170	443 073	431 621	-11 452	-2.6
Sawnwood	m3		113 114	112 405	110 583	117 583	108 939	-8 644	-7.4
Wood-based panels	m3		75 797	74 877	71 980	79 730	77 836	-1 894	-2.4
Paper and paperboard	m.t.		89 560	86 395	83 358	89 932	89 939	7	0.0
Total	m3 SWE b/		554 882	541 362	524 172	566 812	554 921	-11 891	-2.1
EECCA									
Industrial roundwood	m3		226 378	213 324	211 914	211 332	211 211	-121	-0.1
Sawnwood	m3		17 363	17 926	15 631	15 515	16 661	1 145	7.4
Wood-based panels	m3		20 846	20 399	19 733	20 799	20 294	-505	-2.4
Paper and paperboard	m.t.		10 064	10 221	10 120	10 173	9 932	-241	-2.4
Total	m3 SWE b/		85 728	86 216	82 442	84 111	83 690	-421	-0.5
North America									
Industrial roundwood	m3		534 285	517 736	502 577	516 838	519 295	2 457	0.5
Sawnwood	m3		120 096	117 076	114 942	117 549	116 647	-902	-0.8
Wood-based panels	m3		53 177	54 253	53 657	57 287	54 352	-2 935	-5.1
Paper and paperboard	m.t.		74 055	71 520	68 587	70 998	71 219	222	0.3
Total	m3 SWE b/		472 466	461 781	448 087	464 948	460 397	-4 551	-1.0
UNECE region									
Industrial roundwood	m3		1 201 843	1 163 708	1 129 661	1 171 243	1 162 127	-9 116	-0.8
Sawnwood	m3		250 573	247 407	241 155	250 647	242 247	-8 400	-3.4
Wood-based panels	m3		149 820	149 528	145 370	157 815	152 482	-5 334	-3.4
Paper and paperboard	m.t.		173 679	168 136	162 065	171 102	171 090	-12	0.0
Total	m3 SWE b/		1 113 076	1 089 359	1 054 701	1 115 871	1 099 007	-16 863	-1.5

Notes: a/ Excluding sleepers before 2017, b/ Solid wood equivalent, total excludes roundwood.

c/ Wood-based panels excludes veneer

1 m3 of sawnwood = 1.05, wood-based panels = 1.50, 1 m.t. paper = 3.60 m3 of solid wood equivalent, based on UNECE/FAO Discussion Paper 49.

Source: UNECE/FAO, 2023.

Production, trade and consumption of industrial roundwood, sawnwood a/, wood-based panels and paper and paperboard in UNECE region, 20

	Thousand	Production	Volume		million \$		Apparent Consumption	% of production exported	% of consumption imported
			Imports	Exports	Imports	Exports			
Europe									
Industrial roundwood	m3	442 616	55 089	66 084	5 301	5 952	431 621	15%	13%
Sawnwood	m3	128 590	44 982	64 633	18 294	22 663	108 939	50%	41%
Wood-based panels	m3	77 395	37 084	36 643	17 830	18 819	77 836	47%	48%
Paper and paperboard	m.t.	95 464	52 827	58 352	56 879	64 895	89 939	61%	59%
Total	m3 SWE t	594 783	293 034	332 896	250 718	285 647			
EECCA									
Industrial roundwood	m3	227 684	400	16 873	44	1 036	211 211	7%	0%
Sawnwood	m3	50 041	4 093	37 474	784	5 224	16 661	75%	25%
Wood-based panels	m3	24 674	5 962	10 342	1 738	2 684	20 294	42%	29%
Paper and paperboard	m.t.	11 350	2 471	3 890	2 911	2 179	9 932	34%	25%
Total	m3 SWE t	130 415	22 138	68 864	13 910	17 353			
North America									
Industrial roundwood	m3	526 355	4 111	11 171	536	2 476	519 295	2%	1%
Sawnwood	m3	118 933	28 425	30 710	13 046	14 365	116 647	26%	24%
Wood-based panels	m3	45 062	19 596	10 307	11 248	5 391	54 352	23%	36%
Paper and paperboard	m.t.	76 470	10 771	16 022	13 701	15 922	71 219	21%	15%
Total	m3 SWE t	467 763	98 018	105 385	79 892	80 488			
UNECE region									
Industrial roundwood	m3	1 196 654	59 600	94 128	5 880	9 464	1 162 127	8%	5%
Sawnwood	m3	297 564	77 500	132 817	32 124	42 252	242 247	45%	32%
Wood-based panels	m3	147 131	62 643	57 292	30 815	26 894	152 482	39%	41%
Paper and paperboard	m.t.	183 284	66 069	78 263	73 491	82 995	171 090	43%	39%
Total	m3 SWE t	1 192 962	413 190	507 145	344 520	383 488	0		

Notes: a/ Excluding sleepers before 2017, b/ Solid wood equivalent, total excludes roundwood.

c/ Wood-based panels exclude veneer.

Exports and imports include intra-regional trade.

Source: UNECE/FAO, 2023.

Removals of industrial roundwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022
						Volume	%	%
Europe	432 305	434 761	421 606	449 152	442 616	-6 536	-1.5	2.4
of which:								
Sweden	67 712	69 000	69 000	71 400	71 200	-200	-0.3	5.2
Germany	52 874	54 124	58 436	59 379	56 534	-2 844	-4.8	6.9
Finland	60 530	55 654	51 191	57 803	56 251	-1 552	-2.7	-7.1
Poland	41 353	38 199	35 859	38 587	38 235	-352	-0.9	-7.5
Turkey	22 466	22 700	23 306	31 136	29 881	-1 255	-4.0	33.0
Czechia	21 443	26 664	26 621	26 621	26 621	0	0.0	24.1
EECCA	245 174	228 892	228 327	227 642	227 684	41	0.0	-7.1
of which:								
Russian Federation	219 569	203 194	201 891	201 891	201 891	0	0.0	-8.1
Belarus	16 234	15 962	16 992	16 992	16 992	0	0.0	4.7
Ukraine	8 976	9 303	8 996	8 215	8 215	0	0.0	-8.5
North America	548 139	527 519	510 243	526 231	526 355	124	0.0	-4.0
Canada	155 629	139 817	141 068	143 811	143 811	0	0.0	-7.6
United States	392 510	387 702	369 175	382 420	382 544	124	0.0	-2.5

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of industrial roundwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	%
EXPORTS								
Europe	49 463	58 643	65 521	65 189	66 084	895	1.4	33.6
of which:								
Czechia	8 309	14 146	18 163	18 163	18 163	0	0.0	118.6
Germany	5 364	8 916	13 051	11 953	9 849	-2 104	-17.6	83.6
Norway	3 544	3 649	3 560	3 873	4 269	396	10.2	20.5
France	4 066	3 877	3 583	4 123	4 180	57	1.4	2.8
Poland	5 328	4 397	4 373	3 999	3 682	-317	-7.9	-30.9
Latvia	2 652	3 579	2 930	3 065	3 602	537	17.5	35.8
EECCA	19 320	16 260	17 004	16 973	16 873	-100	-0.6	-12.7
of which:								
Russian Federation	19 197	15 857	16 276	16 276	16 276	0	0.0	-15.2
Belarus	5	268	596	596	596	0	0.0	11336.8
Ukraine	3	0	0	0	0	0	0.0	-87.9
North America	20 764	15 469	13 348	13 634	11 171	-2 464	-18.1	-46.2
Canada	8 494	7 546	5 994	4 220	3 750	-469	-11.1	-55.8
United States	12 270	7 922	7 355	9 415	7 420	-1 994	-21.2	-39.5
IMPORTS								
Europe	58 337	56 530	59 084	59 111	55 089	-4 022	-6.8	-5.6
of which:								
Austria	10 113	10 586	12 298	10 903	8 519	-2 384	-21.9	-15.8
Sweden	9 479	8 804	7 240	6 344	6 506	163	2.6	-31.4
Belgium	4 133	4 253	5 485	5 616	6 136	519	9.2	48.5
Germany	8 910	7 318	6 081	6 265	5 576	-689	-11.0	-37.4
Portugal	2 010	2 051	2 538	2 617	3 131	514	19.6	55.8
Poland	1 071	1 607	2 953	2 764	3 089	325	11.8	188.5
EECCA	524	692	591	663	400	-262	-39.6	-23.6
of which:								
Uzbekistan	260	268	295	259	122	-137	-53.0	-53.1
Kazakhstan	151	192	136	206	105	-101	-49.2	-30.6
Ukraine	23	5	7	52	75	23	44.2	225.0
North America	6 910	5 686	5 683	4 242	4 111	-131	-3.1	-40.5
Canada	5 133	4 744	4 364	3 470	3 170	-300	-8.6	-38.2
United States	1 778	942	1 319	772	941	169	21.9	-47.1

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of wood residues, chips and particles, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	15 140	14 870	14 373	14 540	16 973	2 433	16.7	12.1
of which:								
Germany	2 739	2 762	2 940	2 551	3 179	628	24.6	16.1
Latvia	1 871	2 128	2 051	2 355	2 493	139	5.9	33.3
Estonia	750	1 172	1 251	1 403	2 169	765	54.5	189.0
Slovenia	836	963	847	698	998	300	42.9	19.4
Belgium	540	664	708	689	865	176	25.6	60.2
Norway	1 171	943	756	818	829	11	1.3	-29.2
EECCA	6 499	8 018	8 150	8 150	8 002	-149	-1.8	23.1
of which:								
Belarus	3 176	4 323	3 963	3 963	3 963	0	0.0	24.8
Russian Federation	2 254	2 875	3 892	3 892	3 892	0	0.0	72.7
Ukraine	1 068	819	293	293	145	-148	-50.6	-86.4
North America	7 391	5 704	5 146	6 388	7 277	889	13.9	-1.6
Canada	618	296	227	593	542	-51	-8.6	-12.3
United States	6 773	5 408	4 919	5 794	6 734	940	16.2	-0.6
IMPORTS								
Europe	27 545	28 420	26 432	26 334	24 833	-1 502	-5.7	-9.8
of which:								
Portugal	1 719	1 998	864	1 731	2 435	704	40.7	41.6
Poland	2 155	3 004	2 864	2 213	2 155	-58	-2.6	0.0
Germany	2 094	1 500	1 153	1 108	2 015	907	81.8	-3.7
Belgium	932	1 434	1 444	1 742	1 994	251	14.4	113.9
Finland	3 262	4 146	4 674	4 660	1 889	-2 771	-59.5	-42.1
France	1 877	2 406	2 510	2 095	1 876	-218	-10.4	0.0
EECCA	30	18	20	25	33	7	29.4	11.2
of which:								
Kazakhstan	13	6	9	8	12	4	50.4	-6.9
Ukraine	1	0	0	0	11	11	15900.0	1391.9
Russian Federation	4	4	4	4	4	0	0.0	0.0
North America	3 311	3 249	3 129	2 885	2 500	-385	-13.3	-24.5
Canada	2 999	3 120	2 993	2 669	2 216	-453	-17.0	-26.1
United States	312	129	135	216	285	68	31.5	-8.8

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of industrial roundwood, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Value	%	Value	%
EXPORTS									
Europe	4 244 281	4 446 861	4 673 243	5 523 153	5 952 460	429 307	7.8		40.2
of which:									
Germany	543 612	770 104	985 086	1 184 986	1 096 479	-88 507	-7.5		101.7
Czechia	556 599	729 874	892 781	892 781	892 781	0	0.0		60.4
France	386 535	340 709	396 086	550 170	649 053	98 883	18.0		67.9
Poland	351 108	335 747	360 584	407 055	403 373	-3 682	-0.9		14.9
Latvia	161 772	261 463	185 715	226 584	391 660	165 076	72.9		142.1
Norway	238 293	244 156	213 620	275 839	312 062	36 223	13.1		31.0
EECCA	1 471 468	1 131 626	1 040 599	1 042 192	1 036 081	-6 111	-0.6		-29.6
of which:									
Russian Federation	1 461 729	1 115 339	1 022 416	1 022 416	1 022 416	0	0.0		-30.1
Belarus	185	6 358	13 546	13 546	13 546	0	0.0		7210.0
Ukraine	191	8	16	52	52	0	0.0		-72.9
North America	3 114 606	2 213 661	1 977 142	2 666 632	2 475 580	-191 051	-7.2		-20.5
Canada	683 510	610 609	350 653	518 230	532 571	14 340	2.8		-22.1
United States	2 431 097	1 603 052	1 626 489	2 148 401	1 943 010	-205 392	-9.6		-20.1
IMPORTS									
Europe	4 575 298	3 982 419	3 765 212	4 928 151	5 300 535	372 384	7.6		15.9
of which:									
Austria	799 403	682 093	719 071	962 003	858 186	-103 817	-10.8		7.4
Germany	626 447	476 899	381 713	518 195	570 889	52 694	10.2		-8.9
Sweden	735 381	623 790	453 433	425 462	547 951	122 489	28.8		-25.5
Portugal	149 253	159 530	193 702	255 027	340 151	85 124	33.4		127.9
Poland	88 315	92 101	147 656	201 751	303 376	101 625	50.4		243.5
Belgium	302 587	213 491	220 631	273 278	300 300	27 022	9.9		-0.8
EECCA	41 907	49 822	42 004	50 244	43 669	-6 575	-13.1		4.2
of which:									
Uzbekistan	12 753	13 735	17 567	13 231	13 524	292	2.2		6.0
Ukraine	3 232	977	1 166	8 165	11 780	3 615	44.3		264.5
Kazakhstan	14 432	18 330	12 951	17 294	8 738	-8 556	-49.5		-39.5
North America	454 481	376 667	406 373	471 663	535 607	63 944	13.6		17.9
Canada	317 061	298 673	256 816	296 774	312 533	15 758	5.3		-1.4
United States	137 421	77 994	149 558	174 889	223 075	48 186	27.6		62.3

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Industrial Roundwood balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Removals	432 305	434 761	421 606	449 152	442 616	442 371
Imports	58 337	56 530	59 084	59 111	55 089	54 489
Exports	49 463	58 643	65 521	65 189	66 084	60 476
Net trade	-8 874	2 113	6 437	6 079	10 995	5 987
Apparent consumption	441 180	432 648	415 170	443 073	431 621	436 385
EECCA						
Removals	245 174	228 892	228 327	227 642	227 684	227 684
Imports	524	692	591	663	400	400
Exports	19 320	16 260	17 004	16 973	16 873	16 873
Net trade	18 796	15 568	16 414	16 310	16 473	16 473
Apparent consumption	226 378	213 324	211 914	211 332	211 211	211 211
North America						
Removals	548 139	527 519	510 243	526 231	526 355	524 795
Imports	6 910	5 686	5 683	4 242	4 111	3 707
Exports	20 764	15 469	13 348	13 634	11 171	10 860
Net trade	13 853	9 783	7 665	9 393	7 060	7 152
Apparent consumption	534 285	517 736	502 577	516 838	519 295	517 643
UNECE region						
Removals	1 225 618	1 191 172	1 160 177	1 203 025	1 196 654	1 194 850
Imports	65 771	62 908	65 358	64 015	59 600	58 597
Exports	89 547	90 372	95 873	95 797	94 128	88 208
Net trade	23 775	27 464	30 516	31 782	34 528	29 612
Apparent consumption	1 201 843	1 163 708	1 129 661	1 171 243	1 162 127	1 165 239

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Softwood industrial roundwood balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Removals	338 695	341 885	336 840	359 246	353 029	351 147
Imports	39 606	37 509	40 177	39 844	38 000	38 954
Exports	35 871	44 500	52 417	51 535	50 679	46 116
Net trade	-3 734	6 991	12 240	11 691	12 679	7 162
Apparent consumption	342 430	334 894	324 600	347 555	340 350	343 985
EECCA						
Removals	195 217	182 475	181 977	181 216	181 239	181 239
Imports	431	599	471	477	180	180
Exports	11 168	9 365	8 604	8 568	8 478	8 478
Net trade	10 737	8 766	8 133	8 091	8 298	8 298
Apparent consumption	184 480	173 710	173 843	173 125	172 941	172 941
North America						
Removals	422 708	407 896	408 583	422 310	422 577	421 760
Imports	4 995	3 880	4 206	2 751	2 626	2 285
Exports	17 834	13 103	11 156	11 179	8 672	8 403
Net trade	12 839	9 223	6 951	8 428	6 045	6 118
Apparent consumption	409 869	398 673	401 632	413 881	416 532	415 642
UNECE region						
Removals	956 620	932 256	927 400	962 771	956 846	954 146
Imports	45 032	41 989	44 853	43 071	40 806	41 420
Exports	64 873	66 968	72 177	71 282	67 828	62 997
Net trade	19 841	24 979	27 324	28 210	27 023	21 578
Apparent consumption	936 778	907 276	900 076	934 561	929 823	932 568

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Hardwood industrial roundwood balance in UNECE, 2018 - 2022 (1,000 m³)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Removals	93 610	92 876	84 766	89 906	89 586	91 740
Imports	18 731	19 021	18 907	19 267	17 089	14 713
Exports	13 591	14 143	13 104	13 654	15 405	14 441
Net trade	-5 140	-4 878	-5 803	-5 613	-1 685	-272
Apparent consumption	98 750	97 754	90 570	95 518	91 271	92 012
EECCA						
Removals	49 957	46 417	46 351	46 427	46 445	46 445
Imports	93	93	120	186	221	221
Exports	8 153	6 895	8 400	8 405	8 395	8 395
Net trade	8 059	6 803	8 280	8 219	8 175	8 175
Apparent consumption	41 898	39 614	38 070	38 207	38 270	38 270
North America						
Removals	125 431	119 623	101 659	103 921	103 778	103 034
Imports	1 915	1 806	1 477	1 491	1 484	1 416
Exports	2 929	2 366	2 192	2 455	2 499	2 471
Net trade	1 014	560	714	964	1 015	1 054
Apparent consumption	124 417	119 063	100 945	102 957	102 763	101 979
UNECE region						
Removals	268 998	258 916	232 777	240 254	239 809	241 219
Imports	20 739	20 919	20 504	20 944	18 794	16 349
Exports	24 673	23 404	23 696	24 515	26 299	25 307
Net trade	3 934	2 485	3 192	3 571	7 505	8 958
Apparent consumption	265 064	256 431	229 585	236 683	232 304	232 261

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Industrial roundwood excludes woodfuel.

Source: UNECE/FAO TIMBER database, 2023.

Production of sawn softwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
Europe	112 691	112 660	114 442	118 608	115 213	-3 395	-2.9		2.2
of which:									
Germany	22 610	23 307 n	25 217 n	25 335 n	24 314 n	-1 021	-4.0		7.5
Sweden	18 273	18 630	18 400	19 040	18 870	-170	-0.9		3.3
Finland	11 810	11 360	10 880	11 900	11 200	-700	-5.9		-5.2
Austria	10 206	10 233	10 305	10 582	10 104	-478	-4.5		-1.0
France	6 728	6 559 n	6 442 n	7 268 n	7 268 r	0	0.0		8.0
Turkey	5 915	5 915	6 975	6 920	6 450	-470	-6.8		9.0
EECCA	47 144	49 815	46 299	46 345	46 369	24	0.1		-1.6
of which:									
Russian Federation	39 492 e	41 266 e	38 918 e	38 918 r	38 918 r	0	0.0		-1.5
Belarus	3 836	5 105	4 364	4 364 r	4 364 r	0	0.0		13.8
Ukraine	3 500 e	3 079 e	2 591	2 689	2 717 r	28	1.0		-22.4
North America	105 696	100 837	101 843	103 623	100 437	-3 186	-3.1		-5.0
Canada	46 353 e	40 795 e	39 397 e	40 206 e	36 398 e	-3 808	-9.5		-21.5
United States	59 344	60 042	62 446	63 417	64 039	622	1.0		7.9

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of sawn softwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	53 700	55 438	57 717	58 664	57 413	-1 251	-2.1	6.9
of which:								
Sweden	12 297	12 601	13 976	12 560	13 748	1 188	9.5	11.8
Germany	8 263	8 889	9 677	10 552	10 781	229	2.2	30.5
Finland	8 685	8 955	8 198	8 716	8 554	-162	-1.9	-1.5
Austria	5 919	6 068	5 951	5 947	5 731	-216	-3.6	-3.2
Czechia	3 750	3 520 e	3 503 e	3 503 r	3 503 r	0	0.0	-6.6
Latvia	2 764	3 002	3 037	3 152	2 906	-246	-7.8	5.1
EECCA	36 754	38 483	36 788	36 556	35 305	-1 251	-3.4	-3.9
of which:								
Russian Federation	29 986	31 474	29 833	29 833 r	29 833 r	0	0.0	-0.5
Belarus	3 347	3 987	3 937	3 937	3 937 r	0	0.0	17.6
Ukraine	3 189 e	2 811	3 000 e	2 744	1 516	-1 228	-44.7	-52.4
North America	32 516	29 740	28 198	29 281	26 479	-2 803	-9.6	-18.6
Canada	29 630 e	27 431 e	26 239 e	26 719 e	24 163 e	-2 556	-9.6	-18.5
United States	2 886 e	2 309 e	1 959 e	2 562	2 316	-246	-9.6	-19.7
IMPORTS								
Europe	40 027	40 695	41 066	43 485	38 213	-5 271	-12.1	-4.5
of which:								
United Kingdom	6 626	6 437	6 677	7 623	5 350	-2 274	-29.8	-19.3
Italy	3 915	4 926	3 381	4 304	5 243	939	21.8	33.9
Germany	5 162	4 868	5 042	5 317	3 763	-1 555	-29.2	-27.1
Netherlands	3 102	2 989	3 132	3 408	3 408 r	0	0.0	9.8
France	2 525	2 478	2 438	2 831	2 338	-492	-17.4	-7.4
Denmark	1 984	2 144	2 144 r	2 144 r	2 144 r	0	0.0	8.1
EECCA	5 181	4 512	4 385	3 947	3 971	24	0.6	-23.4
of which:								
Uzbekistan	2 746	2 663	2 664	2 204 e	2 256 e	52	2.4	-17.8
Azerbaijan	1 034	972	951	909	823	-86	-9.4	-20.4
Armenia	41 e	47 e	22 e	202	285	82	40.8	600.5
North America	26 278	25 174	26 257	27 703	26 842	-861	-3.1	2.1
Canada	792 e	646 e	627 e	741 e	640 e	-101	-13.6	-19.1
United States	25 486 e	24 528 e	25 631 e	26 962	26 202	-760	-2.8	2.8

Source: UNECE/FAO TIMBER database, 2023.

Sawn softwood balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	112 691	112 660	114 442	118 608	115 213	114 677
Imports	40 027	40 695	41 066	43 485	38 213	36 431
Exports	53 700	55 438	57 717	58 664	57 413	57 099
Net trade	13 673	14 742	16 651	15 180	19 200	20 668
Apparent consumption	99 018	97 917	97 791	103 428	96 013	94 009
EECCA						
Production	47 144	49 815	46 299	46 345	46 369	46 369
Imports	5 181	4 512	4 385	3 947	3 971	3 971
Exports	36 754	38 483	36 788	36 556	35 305	35 305
Net trade	31 572	33 971	32 402	32 609	31 334	31 334
Apparent consumption	15 572	15 844	13 896	13 736	15 035	15 035
North America						
Production	105 696	100 837	101 843	103 623	100 437	99 724
Imports	26 278	25 174	26 257	27 703	26 842	27 096
Exports	32 516	29 740	28 198	29 281	26 479	21 437
Net trade	6 238	4 566	1 941	1 578	-363	-5 659
Apparent consumption	99 458	96 271	99 902	102 045	100 800	105 384
UNECE region						
Production	265 532	263 312	262 583	268 576	262 019	260 770
Imports	71 485	70 381	71 709	75 135	69 027	67 498
Exports	122 969	123 661	122 703	124 501	119 197	113 842
Net trade	51 484	53 279	50 994	49 367	50 170	46 343
Apparent consumption	214 048	210 033	211 589	219 209	211 848	214 427

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of sawn softwood, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	13 086 826	12 115 400	12 782 177	20 853 092	19 027 818	-1 825 274	-8.8	45.4
of which:								
Sweden	3 254 401	3 013 489	3 360 137	5 328 551	4 812 760	-515 790	-9.7	47.9
Germany	2 078 501	1 900 317	2 169 063	3 877 081	3 708 263	-168 818	-4.4	78.4
Finland	2 158 573	1 928 396	1 764 750	3 031 311	2 716 905	-314 407	-10.4	25.9
Austria	1 483 755	1 363 133	1 324 483	2 213 049	1 992 861	-220 188	-9.9	34.3
Latvia	712 454	679 379	688 216	1 285 978	1 101 903	-184 074	-14.3	54.7
France	176 095	170 977	366 789	520 469	461 522	-58 947	-11.3	162.1
EECCA	5 121 317	5 088 761	4 876 957	5 064 531	4 827 749	-236 781	-4.7	-5.7
of which:								
Russian Federation	4 208 541	4 224 266	4 004 033	4 004 033 r	4 004 033 r	0	0.0	-4.9
Belarus	444 115	465 398	480 397	480 397	480 397 r	0	0.0	8.2
Ukraine	435 995	368 349	388 942 e	569 582	338 289	-231 293	-40.6	-22.4
North America	9 069 436	6 924 359	8 289 533	14 341 701	11 642 764	-2 698 937	-18.8	28.4
Canada	7 931 717	6 001 095	7 483 156	13 110 659	10 497 988	-2 612 670	-19.9	32.4
United States	1 137 719	923 264	806 376	1 231 043	1 144 776	-86 267	-7.0	0.6
IMPORTS								
Europe	10 133 541	8 837 214	9 570 208	16 558 160	14 230 889	-2 327 271	-14.1	40.4
of which:								
United Kingdom	1 896 198	1 643 637	1 670 255	3 280 145	2 352 773	-927 372	-28.3	24.1
Italy	940 219	801 676	733 403	1 464 819	1 875 024	410 205	28.0	99.4
France	789 319	729 321	1 286 043	2 254 774	1 826 915	-427 859	-19.0	131.5
Germany	1 304 168	1 123 982	1 164 741	1 948 155	1 343 910	-604 245	-31.0	3.0
Netherlands	783 448	696 451	727 871	1 329 748	1 329 748 r	0	0.0	69.7
Austria	489 151	438 131	434 704	670 847	580 593	-90 255	-13.5	18.7
EECCA	617 662	584 881	565 189	604 775	752 777	148 001	24.5	21.9
of which:								
Uzbekistan	354 480	319 205	321 837	329 832	433 842	104 009	31.5	22.4
Azerbaijan	126 661	127 683	115 812	126 754	174 420	47 665	37.6	37.7
Kazakhstan	29 968	33 032	27 956	45 127	44 256	-871	-1.9	47.7
North America	6 946 386	5 481 291	7 783 451	13 543 954	11 868 138	-1 675 816	-12.4	70.9
Canada	250 585	191 099	196 408	347 691	315 758	-31 933	-9.2	26.0
United States	6 695 801	5 290 192	7 587 043	13 196 263	11 552 380	-1 643 883	-12.5	72.5

Source: UNECE/FAO TIMBER database, 2023.

Production of sawn hardwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
Europe	14 123	13 902	12 836	14 664	13 377	-1 287	-8.8	-5.3	
of which:									
Turkey	2 290	2 290	2 400	4 273	3 320	-953	-22.3	45.0	
France	1 366	1 254 n	1 133 n	1 313 n	1 313 r	0	0.0	-3.9	
Croatia	1 161	1 199	1 042	1 042	1 140	98	9.4	-1.8	
Germany	1 160	1 266 n	1 002 n	1 103 n	1 028 n	-75	-6.8	-11.4	
Bosnia and Herzegov.	1 040	1 015	857	907 n	907 r	0	0.0	-12.8	
Latvia	675 e	623	588	797	797 r	0	0.0	18.1	
EECCA	4 125	4 346	3 641	3 711	3 673	-39	-1.0	-11.0	
of which:									
Russian Federation	3 209 e	3 500 e	2 879 e	2 879 r	2 879 r	0	0.0	-10.3	
Ukraine	600 e	504	434	484	287 r	-197	-40.7	-52.2	
Belarus	210	250	229	229 r	229 r	0	0.0	9.0	
North America	23 905	23 462	17 685	18 168	18 496	328	1.8	-22.6	
Canada	1 251	1 032	997	880	859	-21	-2.4	-31.3	
United States	22 654	22 429	16 688	17 288	17 637	349	2.0	-22.1	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of sawn hardwood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	6 165	6 072	5 952	7 050	7 220	170	2.4	17.1
of which:								
Croatia	872	904	851	1 116	1 279	162	14.5	46.6
Latvia	438	457	462	640	769	129	20.1	75.6
Germany	780	768	702	782	721	-61	-7.8	-7.5
France	561	532	470	610	682	72	11.9	21.5
Romania	564	534	502	543	461	-81	-15.0	-18.2
Belgium	398 e	385 e	473 e	533 e	447 e	-87	-16.3	12.1
EECCA	2 605	2 417	2 003	2 032	2 168	137	6.7	-16.8
of which:								
Russian Federation	1 930 e	1 888 e	1 544	1 544 r	1 544 r	0	0.0	-20.0
Ukraine	522 e	364	298	298	414	116	38.9	-20.7
Belarus	79	92	159	159	159 r	0	0.0	102.7
North America	5 046	4 308	4 007	4 165	4 231	66	1.6	-16.1
Canada	578	598	495	470	444	-26	-5.6	-23.2
United States	4 468	3 710	3 511	3 695	3 788	93	2.5	-15.2
IMPORTS								
Europe	6 137	6 658	5 908	6 541	6 769	228	3.5	10.3
of which:								
Denmark	560	834	834 r	834 r	834 r	0	0.0	49.0
Italy	896	775	670	775	818	43	5.6	-8.7
United Kingdom	587	603	541	536	647	111	20.8	10.2
Belgium	436 e	743 e	475 e	579 e	631 e	52	9.0	44.6
Germany	392	413	409	502	420	-82	-16.3	7.2
Netherlands	413	366	349	343	343 r	0	0.0	-16.9
EECCA	271	152	97	99	122	23	22.9	-55.0
of which:								
Uzbekistan	41	38	21	34 e	33 e	0	-0.7	-19.4
Armenia	1 e	3 e	1 e	0	24	24	9469.7	1734.5
Belarus	23	23	23	23	23 r	0	0.0	0.6
North America	1 779	1 652	1 361	1 502	1 583	81	5.4	-11.0
Canada	825	879	731	785	785	0	0.0	-4.9
United States	954	773	630	717	798	81	11.3	-16.4

Source: UNECE/FAO TIMBER database, 2023.

Sawn hardwood balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	14 123	13 902	12 836	14 664	13 377	13 116
Imports	6 137	6 658	5 908	6 541	6 769	6 829
Exports	6 165	6 072	5 952	7 050	7 220	7 026
Net trade	28	-586	44	510	451	196
Apparent consumption	14 095	14 488	12 792	14 154	12 926	12 919
EECCA						
Production	4 125	4 346	3 641	3 711	3 673	3 673
Imports	271	152	97	99	122	122
Exports	2 605	2 417	2 003	2 032	2 168	2 168
Net trade	2 335	2 264	1 906	1 933	2 047	2 047
Apparent consumption	1 791	2 082	1 734	1 779	1 626	1 626
North America						
Production	23 905	23 462	17 685	18 168	18 496	18 256
Imports	1 779	1 652	1 361	1 502	1 583	1 356
Exports	5 046	4 308	4 007	4 165	4 231	4 186
Net trade	3 266	2 656	2 645	2 664	2 649	2 830
Apparent consumption	20 639	20 805	15 040	15 504	15 847	15 426
UNECE region						
Production	42 153	41 709	34 161	36 544	35 545	35 044
Imports	8 188	8 462	7 366	8 142	8 474	8 308
Exports	13 816	12 796	11 961	13 247	13 620	13 380
Net trade	5 629	4 335	4 595	5 106	5 146	5 072
Apparent consumption	36 525	37 375	29 566	31 438	30 399	29 972

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of sawn hardwood, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
EXPORTS									
Europe	3 136 064	2 895 508	2 694 206	3 583 290	3 635 313	52 024	1.5		15.9
of which:									
Croatia	394 722	361 137	324 403	425 531	487 443	61 912	14.5		23.5
Germany	456 867	431 385	411 666	514 638	482 379	-32 259	-6.3		5.6
France	282 719	249 506	310 691	444 425	480 886	36 461	8.2		70.1
Romania	231 549	214 618	198 312	248 020	242 102	-5 918	-2.4		4.6
Belgium	329 103	317 605	166 736	269 151	225 367	-43 784	-16.3		-31.5
Italy	185 839	187 785	166 943	222 045	223 488	1 443	0.6		20.3
EECCA	489 834	478 876	383 852	386 693	396 003	9 310	2.4		-19.2
of which:									
Russian Federation	303 577	294 034	223 449	223 449 r	223 449 r	0	0.0		-26.4
Ukraine	151 389	148 295	126 647	126 647	135 863	9 215	7.3		-10.3
Belarus	12 467	14 748	22 790	22 790	22 790 r	0	0.0		82.8
North America	2 963 580	2 375 884	2 174 350	2 663 641	2 722 199	58 558	2.2		-8.1
Canada	309 340	320 220	261 433	335 374	333 872	-1 502	-0.4		7.9
United States	2 654 241	2 055 664	1 912 917	2 328 267	2 388 326	60 060	2.6		-10.0
IMPORTS									
Europe	3 449 298	3 197 947	2 947 287	3 631 785	4 062 910	431 124	11.9		17.8
of which:									
United Kingdom	429 011	395 653	364 358	391 324	554 382	163 057	41.7		29.2
Italy	394 609	336 568	285 206	352 537	448 591	96 055	27.2		13.7
France	229 758	231 174	303 665	361 709	379 968	18 259	5.0		65.4
Belgium	363 969	370 448	239 866	325 694	354 993	29 299	9.0		-2.5
Germany	279 597	246 386	248 236	346 328	336 720	-9 608	-2.8		20.4
Netherlands	300 989	253 340	243 711	295 584	295 584 r	0	0.0		-1.8
EECCA	41 322	32 797	25 237	32 446	31 587	-860	-2.6		-23.6
of which:									
Belarus	7 777	7 955	6 993	6 993	6 993 r	0	0.0		-10.1
Uzbekistan	4 587	4 219	3 431	4 975	6 331	1 356	27.3		38.0
Kazakhstan	4 348	3 985	4 367	5 137	5 417	279	5.4		24.6
North America	857 753	901 257	760 876	978 382	1 177 744	199 362	20.4		37.3
Canada	365 767	397 036	336 664	445 759	456 471	10 712	2.4		24.8
United States	491 987	504 220	424 211	532 622	721 272	188 650	35.4		46.6

Source: UNECE/FAO TIMBER database, 2023.

Production of plywood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
Europe	5 234	5 240	4 908	5 862	5 476	-386	-6.6	4.6	
of which:									
Finland	1 230	1 090	990	1 130	1 110	-20	-1.8	-9.8	
Turkey	112	112	96	600	620	20	3.3	453.6	
Spain	541	565	508	578	578	0	0.0	7.0	
Poland	583	519	483	543	525	-18	-3.3	-10.0	
Latvia	324	307	307	307	307	0	0.0	-5.2	
Italy	320	320	265	265	265	0	0.0	-17.2	
EECCA	4 520	4 542	4 534	4 680	4 701	21	0.5	4.0	
of which:									
Russian Federation	4 013	4 061	3 999	3 999	3 999	0	0.0	-0.3	
Belarus	297	300	343	343	343	0	0.0	15.5	
Ukraine	190	177	181	193	193	0	0.0	1.6	
North America	11 847	11 847	11 172	11 403	10 858	-546	-4.8	-8.3	
Canada	1 742	1 922	1 672	1 698	1 604	-95	-5.6	-8.0	
United States	10 104	9 925	9 500	9 705	9 254	-451	-4.6	-8.4	

Note: From 2017 US figures include laminated veneer lumber (LVL).

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of plywood, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	4 603	4 489	4 200	4 911	4 588	-324	-6.6	-0.3
of which:								
Finland	1 012	918	828	955	900	-55	-5.8	-11.1
Poland	336	286	309	374	369	-5	-1.2	9.9
Spain	291	326	249	333	363	30	9.1	24.9
Latvia	345	334	357	340	333	-7	-2.0	-3.3
Germany	393	376	373	388	330	-58	-14.9	-16.0
Austria	307	309	299	357	295	-62	-17.4	-4.1
EECCA	3 078	3 132	3 366	3 369	3 453	84	2.5	12.2
of which:								
Russian Federation	2 696	2 748	2 904	2 904	2 904	0	0.0	7.7
Belarus	242	253	332	332	332	0	0.0	36.8
Ukraine	136	126	126	126	166	40	31.3	22.3
North America	1 433	1 211	1 071	1 393	1 425	32	2.3	-0.5
Canada	733	655	543	634	654	19	3.0	-10.8
United States	700	556	528	759	771	12	1.6	10.3
IMPORTS								
Europe	8 845	8 398	8 097	8 931	8 273	-659	-7.4	-6.5
of which:								
Germany	1 620	1 486	1 437	1 483	1 319	-164	-11.1	-18.6
United Kingdom	1 598	1 453	1 362	1 541	1 117	-424	-27.5	-30.1
Italy	527	602	413	612	731	119	19.4	38.6
Netherlands	640	605	635	695	695	0	0.0	8.7
Poland	385	369	415	604	648	44	7.3	68.2
France	539	533	649	541	476	-65	-12.1	-11.7
EECCA	490	490	515	492	506	15	3.0	3.3
of which:								
Russian Federation	74	75	120	120	120	0	0.0	62.1
Azerbaijan	105	96	104	77	87	10	13.6	-17.2
Uzbekistan	38	49	46	48	63	15	30.4	65.6
North America	7 028	6 070	7 635	9 491	7 480	-2 012	-21.2	6.4
Canada	1 562	1 406	1 174	1 406	1 220	-185	-13.2	-21.9
United States	5 466	4 664	6 461	8 086	6 259	-1 826	-22.6	14.5

Source: UNECE/FAO TIMBER database, 2023.

Plywood balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	5 234	5 240	4 908	5 862	5 476	5 430
Imports	8 845	8 398	8 097	8 931	8 273	8 215
Exports	4 603	4 489	4 200	4 911	4 588	4 449
Net trade	-4 242	-3 909	-3 897	-4 020	-3 685	-3 766
Apparent consumption	9 476	9 149	8 805	9 882	9 161	9 196
EECCA						
Production	4 520	4 542	4 534	4 680	4 701	4 701
Imports	490	490	515	492	506	506
Exports	3 078	3 132	3 366	3 369	3 453	3 453
Net trade	2 588	2 642	2 851	2 877	2 947	2 947
Apparent consumption	1 931	1 901	1 683	1 803	1 754	1 754
North America						
Production	11 847	11 847	11 172	11 403	10 858	10 763
Imports	7 028	6 070	7 635	9 491	7 480	7 659
Exports	1 433	1 211	1 071	1 393	1 425	1 485
Net trade	-5 595	-4 858	-6 564	-8 098	-6 055	-6 174
Apparent consumption	17 442	16 706	17 735	19 501	16 912	16 937
UNECE region						
Production	21 600	21 630	20 613	21 945	21 034	20 895
Imports	16 363	14 958	16 247	18 915	16 259	16 380
Exports	9 114	8 833	8 638	9 674	9 466	9 388
Net trade	-7 249	-6 125	-7 609	-9 241	-6 793	-6 993
Apparent consumption	28 849	27 755	28 223	31 186	27 828	27 887

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of plywood, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Value	%	Value	%
EXPORTS									
Europe	3 615 585	3 388 026	3 197 585	4 144 190	4 455 273	311 083	7.5	23.2	
of which:									
Finland	660 397	563 348	496 552	648 520	711 899	63 380	9.8	7.8	
Spain	328 351	305 471	242 962	379 606	416 710	37 104	9.8	26.9	
Italy	253 493	253 536	226 164	309 544	406 560	97 016	31.3	60.4	
Poland	257 976	217 328	224 969	291 950	370 191	78 242	26.8	43.5	
Latvia	256 734	258 376	264 322	306 369	369 472	63 103	20.6	43.9	
Germany	332 043	296 744	287 704	385 855	361 796	-24 059	-6.2	9.0	
EECCA	1 521 085	1 299 821	1 343 444	1 344 969	1 420 556	75 587	5.6	-6.6	
of which:									
Russian Federation	1 353 029	1 140 156	1 155 560	1 155 560	1 155 560	0	0.0	-14.6	
Belarus	110 324	97 123	124 886	124 886	124 886	0	0.0	13.2	
Ukraine	55 500	60 176	60 345	60 345	104 688	44 343	73.5	88.6	
North America	714 946	609 040	589 638	882 677	901 819	19 142	2.2	26.1	
Canada	384 195	364 906	368 351	519 513	542 940	23 426	4.5	41.3	
United States	330 751	244 135	221 287	363 164	358 879	-4 285	-1.2	8.5	
IMPORTS									
Europe	5 168 280	4 507 786	4 389 237	5 793 778	6 254 178	460 400	7.9	21.0	
of which:									
Germany	998 980	882 551	814 806	1 115 442	1 153 484	38 042	3.4	15.5	
United Kingdom	764 360	650 148	551 108	805 658	861 848	56 189	7.0	12.8	
France	433 099	414 330	503 968	410 533	527 988	117 454	28.6	21.9	
Netherlands	359 985	349 756	364 027	487 148	487 148	0	0.0	35.3	
Italy	297 906	230 429	211 336	358 291	461 181	102 890	28.7	54.8	
Poland	196 335	166 268	191 503	299 734	431 526	131 791	44.0	119.8	
EECCA	216 281	198 094	182 398	215 488	239 155	23 668	11.0	10.6	
of which:									
Azerbaijan	41 461	28 742	30 435	34 941	38 972	4 031	11.5	-6.0	
Uzbekistan	20 614	20 324	18 567	26 381	37 164	10 783	40.9	80.3	
Russian Federation	41 857	35 458	35 458	35 458	35 458	0	0.0	-15.3	
North America	3 679 383	2 838 332	3 021 866	4 690 280	4 908 193	217 913	4.6	33.4	
Canada	414 729	373 691	365 173	623 938	590 054	-33 884	-5.4	42.3	
United States	3 264 654	2 464 641	2 656 694	4 066 342	4 318 139	251 797	6.2	32.3	

Source: UNECE/FAO TIMBER database, 2023.

Production of particle board (excluding OSB), 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
Europe	37 259	37 132	35 259	41 601	38 638	-2 962	-7.1	3.7	
of which:									
Turkey	4 355	4 355	4 075	5 675	5 625	-50	-0.9	29.2	
Germany	5 757	5 715	5 556	6 036	5 526	-510	-8.4	-4.0	
Poland	4 888	5 650	5 739	6 333	4 990	-1 343	-21.2	2.1	
France	3 508	2 796	2 221	3 281	3 177	-104	-3.2	-9.4	
Spain	1 919	1 899	1 783	2 798	2 798	0	0.0	45.8	
Italy	2 978	3 070	2 670	2 670	2 670	0	0.0	-10.3	
EECCA	11 909	10 864	10 565	11 297	11 110	-187	-1.7	-6.7	
of which:									
Russian Federation	7 330	7 151	6 731	6 731	6 731	0	0.0	-8.2	
Ukraine	2 405	2 121	2 053	2 781	2 611	-170	-6.1	8.6	
Belarus	1 749	1 290	1 400	1 400	1 400	0	0.0	-20.0	
North America	5 968	6 065	5 552	5 783	6 008	225	3.9	0.7	
Canada	1 803	1 718	1 416	1 647	1 625	-22	-1.3	-9.9	
United States	4 165	4 347	4 136	4 136	4 383	247	6.0	5.2	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of particle board (excluding OSB), 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	13 745	13 777	13 197	14 558	12 286	-2 273	-15.6	-10.6
of which:								
Germany	1 920	1 824	1 679	2 190	1 924	-266	-12.1	0.2
Austria	1 930	1 968	1 919	2 043	1 673	-370	-18.1	-13.3
France	1 456	1 467	1 245	816	886	70	8.5	-39.2
Poland	443	534	724	824	864	40	4.8	95.0
Spain	781	723	643	829	800	-30	-3.6	2.5
Romania	986	903	903	979	753	-226	-23.0	-23.6
EECCA	3 344	3 333	3 104	3 105	3 093	-12	-0.4	-7.5
of which:								
Russian Federation	1 778	1 983	1 739	1 739	1 739	0	0.0	-2.2
Belarus	1 064	964	1 013	1 013	1 013	0	0.0	-4.7
Ukraine	457	329	308	308	292	-16	-5.3	-36.1
North America	2 594	1 271	1 122	1 241	1 195	-46	-3.7	-53.9
Canada	2 280	891	759	754	710	-44	-5.8	-68.9
United States	315	380	363	488	485	-3	-0.5	54.2
IMPORTS								
Europe	13 042	12 710	11 800	12 967	12 410	-557	-4.3	-4.8
of which:								
Germany	2 119	1 995	1 948	2 200	1 970	-230	-10.5	-7.0
Poland	1 953	1 748	1 626	2 093	1 786	-306	-14.6	-8.5
Italy	1 095	1 104	959	1 168	1 232	64	5.5	12.5
United Kingdom	978	848	590	698	640	-58	-8.4	-34.6
Spain	461	446	446	562	626	64	11.4	35.9
Netherlands	532	460	456	520	520	0	0.0	-2.3
EECCA	2 133	2 337	2 348	2 383	2 250	-133	-5.6	5.5
of which:								
Uzbekistan	523	661	532	599	654	55	9.2	25.1
Kazakhstan	391	394	333	365	367	2	0.7	-6.1
Russian Federation	275	239	299	299	299	0	0.0	8.9
North America	1 833	1 894	1 943	2 050	1 746	-304	-14.8	-4.7
Canada	500	465	480	588	553	-35	-6.0	10.6
United States	1 333	1 429	1 462	1 462	1 193	-268	-18.4	-10.5

Source: UNECE/FAO TIMBER database, 2023.

Particle board (excluding OSB) balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	37 259	37 132	35 259	41 601	38 638	38 335
Imports	13 042	12 710	11 800	12 967	12 410	12 401
Exports	13 745	13 777	13 197	14 558	12 286	12 220
Net trade	703	1 067	1 398	1 591	-124	-181
Apparent consumption	36 556	36 065	33 861	40 009	38 763	38 516
EECCA						
Production	11 909	10 864	10 565	11 297	11 110	11 110
Imports	2 133	2 337	2 348	2 383	2 250	2 250
Exports	3 344	3 333	3 104	3 105	3 093	3 093
Net trade	1 211	996	756	722	843	843
Apparent consumption	10 698	9 868	9 810	10 576	10 267	10 267
North America						
Production	5 968	6 065	5 552	5 783	6 008	5 620
Imports	1 833	1 894	1 943	2 050	1 746	1 282
Exports	2 594	1 271	1 122	1 241	1 195	1 316
Net trade	762	-623	-821	-809	-551	33
Apparent consumption	5 207	6 688	6 373	6 591	6 559	5 587
UNECE region						
Production	55 136	54 061	51 376	58 681	55 756	55 066
Imports	17 008	16 941	16 090	17 400	16 406	15 933
Exports	19 683	18 381	17 423	18 904	16 573	16 628
Net trade	2 675	1 440	1 333	1 504	167	695
Apparent consumption	52 461	52 621	50 043	57 176	55 589	54 370

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of particle board (excluding OSB), 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	3 996 782	3 708 831	3 515 126	4 856 018	5 156 453	300 435	6.2	29.0
of which:								
Austria	757 301	725 608	691 896	877 559	871 167	-6 392	-0.7	15.0
Germany	598 815	531 658	487 060	695 224	707 652	12 428	1.8	18.2
France	402 377	373 380	320 793	431 969	516 603	84 634	19.6	28.4
Italy	248 188	259 024	261 547	372 876	402 564	29 688	8.0	62.2
Poland	110 073	125 216	174 932	270 836	322 934	52 098	19.2	193.4
Romania	278 207	243 082	230 182	325 443	314 296	-11 148	-3.4	13.0
EECCA	580 277	521 390	462 290	466 762	493 024	26 262	5.6	-15.0
of which:								
Russian Federation	306 535	303 774	258 677	258 677	258 677	0	0.0	-15.6
Belarus	175 836	144 314	143 965	143 965	143 965	0	0.0	-18.1
Ukraine	88 365	61 872	52 476	52 476	78 143	25 667	48.9	-11.6
North America	356 672	386 830	342 576	433 383	495 879	62 495	14.4	39.0
Canada	259 722	266 768	221 604	258 011	285 949	27 938	10.8	10.1
United States	96 950	120 062	120 972	175 373	209 930	34 557	19.7	116.5
IMPORTS								
Europe	3 535 253	3 222 450	3 037 689	4 077 608	4 347 994	270 386	6.6	23.0
of which:								
Germany	617 822	558 495	533 470	736 376	764 252	27 876	3.8	23.7
Poland	398 577	319 168	324 849	490 798	474 219	-16 579	-3.4	19.0
Italy	251 575	226 129	188 183	293 874	385 183	91 309	31.1	53.1
France	245 668	230 035	203 037	295 331	298 063	2 732	0.9	21.3
United Kingdom	272 783	229 219	157 933	249 914	280 717	30 803	12.3	2.9
Spain	126 026	122 667	106 537	177 328	231 897	54 568	30.8	84.0
EECCA	467 367	457 750	412 783	587 570	569 721	-17 848	-3.0	21.9
of which:								
Uzbekistan	98 086	92 721	79 762	133 755	135 332	1 577	1.2	38.0
Kazakhstan	89 423	90 224	76 232	141 442	132 786	-8 656	-6.1	48.5
Russian Federation	62 299	53 775	59 796	59 796	59 796	0	0.0	-4.0
North America	416 528	460 418	430 940	510 236	585 144	74 908	14.7	40.5
Canada	106 488	118 824	130 388	177 647	205 179	27 532	15.5	92.7
United States	310 040	341 594	300 552	332 588	379 964	47 376	14.2	22.6

Source: UNECE/FAO TIMBER database, 2023.

Production of OSB, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	7 468	7 465	7 531	7 830	7 326	-504	-6.4	-1.9
of which:								
Germany	1 230 n	1 163 n	1 234 n	1 282 n	1 164 n	-118	-9.2	-5.4
Romania	1 412	1 273	1 068	1 249 e	1 016 e	-233	-18.6	-28.0
Czechia	719	905	924 n	924 r	924 r	0	0.0	28.5
Poland	975	938	833	827	810	-17	-2.0	-17.0
Latvia	630 e	548 e	670 e	670 r	670 r	0	0.0	6.3
United Kingdom	465 e	561 e	598 e	598 r	598 r	0	0.0	28.5
EECCA	2 157	2 040	2 399	2 399	2 399	0	0.0	11.2
of which:								
Russian Federation	1 334 e	1 377 e	1 626 e	1 626 r	1 626 r	0	0.0	21.9
Belarus	670	510 e	620 e	620 r	620 r	0	0.0	-7.5
Ukraine	153 r	153 r	153 r	153 r	153 r	0	0.0	0.0
North America	20 818	21 066	20 342	21 080	20 862	-218	-1.0	0.2
Canada	7 429	7 631	6 629	7 241	7 270	29	0.4	-2.1
United States	13 389	13 435	13 713	13 839	13 592	-247	-1.8	1.5

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of OSB, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	4 364	4 277	4 756	4 763	4 760	-3	-0.1	9.1
of which:								
Czechia	685	651	727	727 r	727 r	0	0.0	6.1
Belgium	322 e	299	328	322	611 e	289	89.7	89.6
Romania	784	810	832	778	572	-206	-26.5	-27.1
Latvia	645 e	539	653	562	554	-8	-1.5	-14.1
Germany	513	525 n	511	555	526	-29	-5.2	2.6
Luxembourg	212	201	269	539 e	411 e	-128	-23.8	93.8
EECCA	868	710	967	951	989	39	4.1	13.9
of which:								
Belarus	608	426	574	574	574 r	0	0.0	-5.5
Russian Federation	257 e	279 e	362 e	362 r	362 r	0	0.0	41.0
Ukraine	3 e	4	10	10	52	41	396.7	1453.9
North America	6 465	5 887	5 456	5 892	5 938	46	0.8	-8.2
Canada	6 273	5 698	5 250	5 746	5 806	60	1.0	-7.4
United States	192	189	205	146	132	-14	-9.8	-31.3
IMPORTS								
Europe	3 784	3 687	4 162	4 150	3 653	-497	-12.0	-3.5
of which:								
Germany	848	792 n	856	759	679	-80	-10.5	-20.0
United Kingdom	350	399	414	461	310	-151	-32.7	-11.3
Italy	211	172	231	188	295	108	57.3	39.6
Belgium	305 e	293	349 e	454 e	231 e	-223	-49.2	-24.3
France	106	101	165 e	206	222	16	7.8	108.7
Austria	176	165	182	192	212	20	10.3	20.1
EECCA	670	493	617	588	498	-90	-15.2	-25.7
of which:								
Russian Federation	388 e	246 e	351	351 r	351 r	0	0.0	-9.4
Kyrgyzstan	21 e	43	48	32	41	9	28.8	90.9
Republic of Moldova	27 e	34 e	34 e	34 r	34 r	0	0.0	23.6
North America	5 798	5 568	5 197	6 252	6 276	23	0.4	8.2
Canada	131	149	132	124	78	-46	-37.2	-40.4
United States	5 667 e	5 419 e	5 066	6 128	6 198	70	1.1	9.4

Source: UNECE/FAO TIMBER database, 2023.

OSB balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	7 468	7 465	7 531	7 830	7 326	7 451
Imports	3 784	3 687	4 162	4 150	3 653	3 683
Exports	4 364	4 277	4 756	4 763	4 760	4 957
Net trade	580	590	594	613	1 107	1 274
Apparent consumption	6 888	6 875	6 937	7 217	6 219	6 177
EECCA						
Production	2 157	2 040	2 399	2 399	2 399	2 399
Imports	670	493	617	588	498	498
Exports	868	710	967	951	989	989
Net trade	198	217	350	363	491	491
Apparent consumption	1 959	1 823	2 049	2 036	1 908	1 908
North America						
Production	20 818	21 066	20 342	21 080	20 862	21 121
Imports	5 798	5 568	5 197	6 252	6 276	6 365
Exports	6 465	5 887	5 456	5 892	5 938	6 020
Net trade	667	319	258	-360	-338	-345
Apparent consumption	20 150	20 747	20 084	21 440	21 200	21 466
UNECE region						
Production	30 442	30 571	30 272	31 309	30 587	30 970
Imports	10 252	9 747	9 977	10 990	10 427	10 546
Exports	11 697	10 874	11 179	11 606	11 687	11 966
Net trade	1 446	1 127	1 202	616	1 261	1 420
Apparent consumption	28 997	29 444	29 070	30 693	29 327	29 550

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of OSB, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	%	%
EXPORTS									
Europe	1 230 644	1 122 797	1 189 260	1 856 684	1 664 184	-192 500	-10.4		35.2
of which:									
Germany	161 336	148 490 n	135 844	231 869	216 398	-15 471	-6.7		34.1
Romania	217 449	188 874	179 390	287 343	209 796	-77 547	-27.0		-3.5
Latvia	144 778 r	137 018	144 778	263 061	205 256	-57 804	-22.0		41.8
Czechia	181 731	155 634	186 010	186 010 r	186 010 r	0	0.0		2.4
Belgium	98 276	89 128	93 078	151 258	173 167	21 910	14.5		76.2
Luxembourg	60 021	58 556	106 667	213 425	162 714	-50 711	-23.8		171.1
EECCA	205 252	144 904	178 384	178 903	192 469	13 566	7.6		-6.2
of which:									
Belarus	137 104	81 348	102 031	102 031	102 031 r	0	0.0		-25.6
Russian Federation	67 205	61 783	73 538	73 538 r	73 538 r	0	0.0		9.4
Ukraine	925	1 555	2 147	2 147	16 733	14 586	679.3		1709.0
North America	1 805 538	1 221 376	1 843 019	3 910 417	3 148 315	-762 101	-19.5		74.4
Canada	1 738 040	1 158 905	1 772 939	3 851 675	3 089 031	-762 644	-19.8		77.7
United States	67 499	62 471	70 080	58 742	59 284	543	0.9		-12.2
IMPORTS									
Europe	1 147 114	1 028 284	1 084 452	1 658 797	1 354 712	-304 086	-18.3		18.1
of which:									
Germany	262 672	228 616 n	234 766	340 577	277 697	-62 880	-18.5		5.7
United Kingdom	88 470	109 063	105 040	166 558	133 624	-32 934	-19.8		51.0
Italy	63 213	43 466	51 513	74 183	107 119	32 936	44.4		69.5
France	57 980	47 354	56 194	129 545 e	96 088 e	-33 458	-25.8		65.7
Netherlands	46 802	37 775	40 663	74 549	74 549 r	0	0.0		59.3
Austria	62 553	51 760	52 438	88 557	65 416	-23 141	-26.1		4.6
EECCA	161 305	113 065	124 260	129 049	106 351	-22 699	-17.6		-34.1
of which:									
Russian Federation	89 033	50 000 e	63 180	63 180 r	63 180 r	0	0.0		-29.0
Kazakhstan	18 408	16 310	14 945	17 412	15 790	-1 621	-9.3		-14.2
Kyrgyzstan	7 889	7 323	6 844	7 034	8 410	1 376	19.6		6.6
North America	1 664 506	1 109 779	1 761 416	4 123 096	3 272 626	-850 470	-20.6		96.6
Canada	34 305	41 179	43 308	57 911	50 178	-7 733	-13.4		46.3
United States	1 630 201	1 068 600	1 718 108	4 065 184	3 222 448	-842 737	-20.7		97.7

Source: UNECE/FAO TIMBER database, 2023.

Production of fibreboard, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20	
						Volume	%	Volume	%
Europe	24 098	23 848	23 594	26 272	25 955	-317	-1.2	7.7	
of which:									
Turkey	4 970	4 970	4 775	4 850	6 250	1 400	28.9	25.8	
Poland	4 922	4 868	4 753	5 750	5 530	-220	-3.8	12.4	
Germany	5 277	5 527	5 801	6 105	5 194	-911	-14.9	-1.6	
Spain	1 685	1 630	1 535	1 548	1 548	0	0.0	-8.1	
France	1 288	1 080	900	1 326	1 238	-88	-6.6	-3.9	
Romania	740	836	1 038	1 213	987	-226	-18.6	33.4	
EECCA	6 313	6 751	6 475	6 461	6 463	2	0.0	2.4	
of which:									
Russian Federation	3 565	3 650	3 581	3 581	3 581	0	0.0	0.4	
Belarus	2 218	2 595	2 370	2 370	2 370	0	0.0	6.9	
Ukraine	475	439	458	463	463	0	0.0	-2.5	
North America	7 908	8 170	7 348	7 407	7 335	-72	-1.0	-7.2	
Canada	1 322	1 524	1 290	1 349	1 277	-72	-5.4	-3.4	
United States	6 586	6 646	6 058	6 058	6 058	0	0.0	-8.0	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of fibreboard, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	12 714	13 128	13 305	16 833	15 010	-1 823	-10.8	18.1
of which:								
Germany	3 319	3 295	3 490	3 654	2 993	-661	-18.1	-9.8
Belgium	927	814	1 540	2 694	2 279	-415	-15.4	145.8
Poland	1 937	1 967	2 019	2 264	2 143	-121	-5.4	10.6
Turkey	832	1 160	374	1 818	1 611	-207	-11.4	93.6
Spain	892	885	869	994	972	-22	-2.2	9.0
France	1 199	1 155	1 167	1 013	913	-100	-9.9	-23.9
EECCA	2 514	2 793	2 856	2 870	2 807	-63	-2.2	11.7
of which:								
Belarus	1 184	1 444	1 455	1 455	1 455	0	0.0	22.9
Russian Federation	1 209	1 195	1 238	1 238	1 238	0	0.0	2.4
Ukraine	103	133	143	143	85	-58	-40.5	-17.5
North America	1 657	1 654	1 522	1 608	1 749	141	8.8	5.5
Canada	878	869	832	866	859	-8	-0.9	-2.1
United States	779	785	690	741	890	149	20.1	14.2
IMPORTS								
Europe	11 493	12 069	12 088	13 182	12 748	-433	-3.3	10.9
of which:								
Germany	1 408	1 508	1 815	2 026	1 590	-436	-21.5	13.0
Italy	1 017	1 357	994	894	1 433	539	60.2	40.9
Belgium	902	983	882	1 342	1 306	-36	-2.7	44.8
United Kingdom	922	897	879	1 080	953	-127	-11.7	3.4
Poland	701	749	851	912	784	-128	-14.0	11.9
France	1 076	1 168	1 043	834	743	-90	-10.8	-30.9
EECCA	2 459	2 850	2 572	2 793	2 708	-85	-3.0	10.2
of which:								
Uzbekistan	741	910	780	888	1 057	169	19.0	42.7
Russian Federation	481	429	459	459	459	0	0.0	-4.6
Kazakhstan	217	252	232	294	309	15	5.2	42.4
North America	4 127	3 595	3 640	3 955	4 095	140	3.5	-0.8
Canada	920	766	763	1 009	818	-191	-18.9	-11.1
United States	3 207	2 829	2 876	2 945	3 277	331	11.2	2.2

Source: UNECE/FAO TIMBER database, 2023.

Fibreboard balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	24 098	23 848	23 594	26 272	25 955	25 857
Imports	11 493	12 069	12 088	13 182	12 748	12 615
Exports	12 714	13 128	13 305	16 833	15 010	14 937
Net trade	1 221	1 059	1 218	3 651	2 261	2 322
Apparent consumption	22 877	22 788	22 377	22 621	23 693	23 535
EECCA						
Production	6 313	6 751	6 475	6 461	6 463	6 463
Imports	2 459	2 850	2 572	2 793	2 708	2 708
Exports	2 514	2 793	2 856	2 870	2 807	2 807
Net trade	55	-58	284	77	99	99
Apparent consumption	6 257	6 808	6 191	6 384	6 364	6 364
North America						
Production	7 908	8 170	7 348	7 407	7 335	7 364
Imports	4 127	3 595	3 640	3 955	4 095	4 101
Exports	1 657	1 654	1 522	1 608	1 749	1 711
Net trade	-2 470	-1 941	-2 117	-2 347	-2 346	-2 390
Apparent consumption	10 378	10 112	9 465	9 754	9 681	9 753
UNECE region						
Production	38 318	38 769	37 418	40 140	39 753	39 683
Imports	18 079	18 515	18 299	19 930	19 551	19 424
Exports	16 885	17 575	17 684	21 310	19 566	19 455
Net trade	-1 194	-940	-615	1 381	14	31
Apparent consumption	39 513	39 708	38 033	38 760	39 739	39 652

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of fibreboard, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
EXPORTS									
Europe	6 036 205	5 718 449	5 456 663	7 667 725	7 543 370	-124 355	-1.6		25.0
of which:									
Germany	1 984 897	1 804 881	1 861 677	2 198 421	1 974 451	-223 970	-10.2		-0.5
Poland	658 168	635 051	674 223	903 047	948 655	45 608	5.1		44.1
Turkey	321 902	376 817	155 158	739 521	799 230	59 709	8.1		148.3
Belgium	634 862	596 985	416 756	766 279	707 108	-59 171	-7.7		11.4
Spain	338 315	315 745	268 385	423 124	485 908	62 784	14.8		43.6
France	342 792	304 695	344 512	317 902	383 440	65 538	20.6		11.9
EECCA	550 822	588 403	578 631	582 829	577 596	-5 233	-0.9		4.9
of which:									
Russian Federation	340 437	339 954	319 042	319 042	319 042	0	0.0		-6.3
Belarus	180 587	206 432	214 338	214 338	214 338	0	0.0		18.7
Ukraine	25 621	37 079	40 578	40 578	36 183	-4 395	-10.8		41.2
North America	570 336	563 794	533 898	673 550	845 142	171 592	25.5		48.2
Canada	349 839	344 067	336 690	440 433	574 832	134 399	30.5		64.3
United States	220 497	219 727	197 209	233 117	270 310	37 193	16.0		22.6
IMPORTS									
Europe	4 509 405	4 248 409	4 415 927	5 592 578	5 872 769	280 191	5.0		30.2
of which:									
United Kingdom	437 281	432 833	403 725	568 041	621 139	53 098	9.3		42.0
Germany	483 071	465 841	526 005	671 192	603 851	-67 341	-10.0		25.0
Italy	343 060	278 864	288 042	317 928	571 327	253 398	79.7		66.5
France	456 116	433 213	505 878	530 726	535 425	4 698	0.9		17.4
Poland	217 224	224 359	276 925	369 574	365 807	-3 766	-1.0		68.4
Belgium	276 448	259 424	224 313	373 963	363 134	-10 829	-2.9		31.4
EECCA	726 198	761 567	677 563	801 609	822 806	21 196	2.6		13.3
of which:									
Uzbekistan	116 600	132 161	100 269	147 208	188 431	41 223	28.0		61.6
Russian Federation	219 474	199 367	169 768	169 768	169 768	0	0.0		-22.6
Kazakhstan	74 652	86 131	83 099	129 731	138 223	8 493	6.5		85.2
North America	1 601 183	1 414 348	1 453 640	1 818 174	2 481 673	663 499	36.5		55.0
Canada	410 433	357 997	347 536	442 405	435 289	-7 117	-1.6		6.1
United States	1 190 750	1 056 351	1 106 105	1 375 769	2 046 385	670 616	48.7		71.9

Source: UNECE/FAO TIMBER database, 2023.

Wood-based panel balance in UNECE, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	74 059	73 685	71 292	81 565	77 395	77 060
Imports	37 164	36 864	36 147	39 231	37 084	36 930
Exports	35 426	35 672	35 459	41 066	36 643	36 461
Net trade	-1 739	-1 192	-688	1 835	-441	-468
Apparent consumption	75 797	74 877	71 980	79 730	77 836	77 529
EECCA						
Production	24 898	24 196	23 974	24 837	24 674	24 674
Imports	5 752	6 170	6 052	6 256	5 962	5 962
Exports	9 804	9 968	10 293	10 294	10 342	10 342
Net trade	4 052	3 798	4 241	4 039	4 380	4 380
Apparent consumption	20 846	20 399	19 733	20 799	20 294	20 294
North America						
Production	46 541	47 149	44 414	45 673	45 062	44 839
Imports	18 785	17 127	18 414	21 748	19 596	18 925
Exports	12 149	10 023	9 172	10 134	10 307	10 597
Net trade	-6 636	-7 104	-9 243	-11 614	-9 290	-8 328
Apparent consumption	53 177	54 253	53 657	57 287	54 352	53 167
UNECE region						
Production	145 497	145 030	139 679	152 075	147 131	146 573
Imports	61 701	60 161	60 613	67 234	62 643	61 817
Exports	57 379	55 663	54 923	61 494	57 292	57 400
Net trade	-4 322	-4 498	-5 690	-5 740	-5 351	-4 417
Apparent consumption	149 820	149 528	145 370	157 815	152 482	150 990

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Value of wood-based panel imports, North America, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change (%) 2021-2022
US						
Plywood	3 265	2 465	2 657	4 066	4 318	6.2%
OSB	1 630	1 069	1 718	4 065	3 222	-20.7%
Particle board	310	342	301	333	380	14.2%
Fibreboard	1 191	1 056	1 106	1 376	2 046	48.7%
Total	6 396	4 931	5 781	9 840	9 967	1.3%
Canada						
Plywood	415	374	365	624	590	-5.4%
OSB	34	41	43	58	50	-13.4%
Particle board	106	119	130	178	205	15.5%
Fibreboard	410	358	348	442	435	-1.6%
Total	966	892	886	1 302	1 281	-1.6%
North America						
Plywood	3 679	2 838	3 022	4 690	4 908	4.6%
OSB	1 665	1 110	1 761	4 123	3 273	-20.6%
Particle board	417	460	431	510	585	14.7%
Fibreboard	1 601	1 414	1 454	1 818	2 482	36.5%
Total	7 362	5 823	6 668	11 142	11 248	1.0%

Note: Does not include veneer sheets. Includes trade between US and Canada.

Source: UNECE/FAO TIMBER database, 2023.

Value of wood-based panel exports, North America, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change (%) 2021-2022
US						
Plywood	331	244	221	363	359	-1.2%
OSB	67	62	70	59	59	0.9%
Particle board	97	120	121	175	210	19.7%
Fibreboard	220	220	197	233	270	16.0%
Total	716	646	610	830	898	8.2%
Canada						
Plywood	384	365	368	520	543	4.5%
OSB	1 738	1 159	1 773	3 852	3 089	-19.8%
Particle board	260	267	222	258	286	10.8%
Fibreboard	350	344	337	440	575	30.5%
Total	2 732	2 135	2 700	5 070	4 493	-11.4%
North America						
Plywood	715	609	590	883	902	2.2%
OSB	1 806	1 221	1 843	3 910	3 148	-19.5%
Particle board	357	387	343	433	496	14.4%
Fibreboard	570	564	534	674	845	25.5%
Total	3 447	2 781	3 309	5 900	5 391	-8.6%

Note: Does not include veneer sheets. Includes trade between US and Canada.

Source: UNECE/FAO TIMBER database, 2023.

Production of mechanical and semi-chemical woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	11 407	10 523	9 953	9 477	9 362	-115	-1.2	-17.9
of which:								
Finland	3 510	3 280	2 840	2 640	2 840	200	7.6	-19.1
Sweden	3 405	3 193	2 977	2 693	2 520	-173	-6.4	-26.0
Norway	885	833	826	902	943	41	4.5	6.6
Poland	702	627	678	691	690	-1	-0.2	-1.8
Germany	813 n	728 n	684 n	756 n	667 n	-89	-11.8	-18.0
Spain	449	253	499	512	512 n	0	0.0	14.0
EECCA	2 420	2 391	2 439	2 440	2 442	2	0.1	0.9
of which:								
Russian Federation	2 420 n	2 351 n	2 399 n	2 399 r	2 399 r	0	0.0	-0.9
Belarus	0	40 e	40 e	40	40 r	0	0.0	...
Kazakhstan	0	0	0 r	0 r	2	2 ...	...	...
North America	12 833	12 721	10 398	10 186	9 846	-340	-3.3	-23.3
Canada	7 209	7 174 e	5 805	6 140	5 800	-340	-5.5	-19.5
United States	5 624	5 547	4 593	4 046	4 046 r	0	0.0	-28.1

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of mechanical and semi-chemical woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	1 356	1 331	1 273	1 455	1 373	-82	-5.6	1.3
of which:								
Finland	274	290	393	353	332	-20	-5.8	21.2
Sweden	420	416	323	347	311	-36	-10.3	-26.0
Norway	235	192	199	215	208	-7	-3.5	-11.6
Estonia	154	145	158	190	170	-19	-10.2	10.3
Germany	103	93 n	92	97	139	42	43.3	35.0
Netherlands	69	78	4	117	117 r	0	0.0	69.4
EECCA	137	138	138	138	139	0	0.0	0.9
of which:								
Russian Federation	137	138	138 r	138 r	138 r	0	0.0	0.8
Belarus	0	0 e	0	0 r	0 r	0	0.0 ...	
Georgia	0	0	0	0	0	0 ...	...
North America	2 242	2 251	2 262	2 191	2 156	-35	-1.6	-3.8
Canada	2 050	2 162	2 136	1 980	1 917	-63	-3.2	-6.5
United States	192	88	126	211	239	28	13.5	24.4
IMPORTS								
Europe	1 188	1 141	1 067	1 067	1 194	127	11.9	0.5
of which:								
Sweden	249	211	248	221	260	39	17.6	4.6
Netherlands	189	177	203	224	224 r	0	0.0	18.2
Germany	179	205 n	163	155	221	66	42.6	23.5
Italy	151	158	137	160	182	23	14.4	20.7
Poland	65	71	77	80	81	1	0.7	24.4
France	96	90	76	83	72	-10	-12.3	-24.6
EECCA	11	8	9	11	4	-7	-64.5	-65.4
of which:								
Russian Federation	1	2	2 r	2 r	2 r	0	0.0	50.4
Ukraine	7	5	6	9	1	-8	-91.8	-90.0
Belarus	3	1	1	1 r	1 r	0	0.0	-80.0
North America	167	132	133	153	248	95	62.2	47.9
Canada	8 e	7 e	10 e	16 e	40	25	158.3	409.9
United States	160	125	123	137	207	70	51.3	29.9

Source: UNECE/FAO TIMBER database, 2023.

Mechanical and semi-chemical woodpulp balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 2018 to 2022
						Volume	%	%
Europe								
Production	11 407	10 523	9 953	9 477	9 362	-115	-1.2	-17.9
Imports	1 188	1 141	1 067	1 067	1 194	127	11.9	0.5
Exports	1 356	1 331	1 273	1 455	1 373	-82	-5.6	1.3
Net trade	168	190	206	388	179	-209	-53.8	7.0
Apparent consumption	11 239	10 333	9 746	9 089	9 183	94	1.0	-18.3
EECCA								
Production	2 420	2 391	2 439	2 440	2 442	2	0.1	0.9
Imports	11	8	9	11	4	-7	-64.5	-65.4
Exports	137	138	138	138	139	0	0.0	0.9
Net trade	126	130	130	127	135	7	5.7	7.0
Apparent consumption	2 294	2 261	2 309	2 313	2 307	-5	-0.2	0.6
North America								
Production	12 833	12 721	10 398	10 186	9 846	-340	-3.3	-23.3
Imports	167	132	133	153	248	95	62.2	47.9
Exports	2 242	2 251	2 262	2 191	2 156	-35	-1.6	-3.8
Net trade	2 074	2 119	2 129	2 038	1 908	-130	-6.4	-8.0
Apparent consumption	10 759	10 602	8 269	8 148	7 938	-210	-2.6	-26.2
UNECE region								
Production	26 659	25 635	22 789	22 103	21 650	-453	-2.1	-18.8
Imports	1 367	1 281	1 209	1 230	1 445	215	17.5	5.7
Exports	3 735	3 720	3 673	3 784	3 667	-117	-3.1	-1.8
Net trade	2 368	2 439	2 465	2 553	2 222	-332	-13.0	-6.2
Apparent consumption	24 292	23 196	20 325	19 550	19 428	-122	-0.6	-20.0

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of mechanical and semi-chemical woodpulp, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	%	%
EXPORTS									
Europe	713 176	634 621	536 101	714 075	818 158	104 083	14.6	14.7	
of which:									
Sweden	257 688	208 516	139 228	181 964	195 916	13 953	7.7	-24.0	
Finland	110 349	113 841	150 090	148 036	153 590	5 554	3.8	39.2	
Norway	104 717	88 242	85 801	103 081	127 729	24 648	23.9	22.0	
Estonia	99 065	77 039	77 003	105 554	119 464	13 910	13.2	20.6	
Germany	55 687	48 581 n	43 329	55 269	104 347	49 078	88.8	87.4	
Netherlands	38 546	42 868	1 984	63 141	63 141 r	0	0.0	63.8	
EECCA	76 369	58 388	58 398	58 398	58 405	7	0.0	-23.5	
of which:									
Russian Federation	76 369	58 385	58 385 r	58 385 r	58 385 r	0	0.0	-23.5	
Belarus	0	3	13	13 r	13 r	0	0.0 ...		
Georgia	0	0	0	0	7	7 ...	...	
North America	1 374 275	1 059 363	996 589	1 088 709	1 343 409	254 700	23.4	-2.2	
Canada	1 270 954	1 015 678	938 638	964 487	1 201 287	236 801	24.6	-5.5	
United States	103 321	43 685	57 952	124 222	142 122	17 899	14.4	37.6	
IMPORTS									
Europe	643 402	608 310	501 964	559 979	704 204	144 225	25.8	9.5	
of which:									
Germany	119 874	128 176 n	100 933	105 960	176 819	70 859	66.9	47.5	
Sweden	117 720	92 676	99 852	94 815	135 195	40 380	42.6	14.8	
Netherlands	92 199	89 323	87 572	107 012	107 012 r	0	0.0	16.1	
Italy	83 096	79 916	60 335	79 844	106 402	26 558	33.3	28.0	
France	59 524	51 264	38 456	50 347	52 193	1 846	3.7	-12.3	
Poland	39 623	37 428	32 208	45 073	40 763	-4 310	-9.6	2.9	
EECCA	6 399	5 141	4 978	6 464	2 417	-4 048	-62.6	-62.2	
of which:									
Russian Federation	909	1 308	1 308 r	1 308 r	1 308 r	0	0.0	43.9	
Ukraine	3 899	3 051	3 174	4 666	444	-4 222	-90.5	-88.6	
Belarus	1 556	579	268	268 r	268 r	0	0.0	-82.8	
North America	61 362	56 334	51 362	55 388	134 304	78 917	142.5	118.9	
Canada	3 797	4 023	5 566	7 811	10 631	2 820	36.1	180.0	
United States	57 566	52 311	45 796	47 577	123 673	76 096	159.9	114.8	

Source: UNECE/FAO TIMBER database, 2023.

Production of chemical woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	27 327	27 400	27 242	28 350	27 805	-546	-1.9	1.7
of which:								
Sweden	8 109	8 402	8 590	8 541	8 804	263	3.1	8.6
Finland	8 150	7 920	7 280	8 320	7 680	-640	-7.7	-5.8
Portugal	2 666	2 644	2 591	2 712	2 773	61	2.2	4.0
France	1 523	1 536	1 620	1 615	1 557	-58	-3.6	2.2
Germany	1 646	1 598	1 571	1 571	1 505	-66	-4.2	-8.5
Austria	1 323	1 319	1 301	1 306	1 304	-2	-0.1	-1.5
EECCA	6 193	6 030	6 617	6 617	6 617	0	0.0	6.8
of which:								
Russian Federation	6 159	5 876	6 366	6 366	6 366	0	0.0	3.4
Belarus	27	147	251	251	251	0	0.0	829.6
Armenia	0	0	0	0	0	0 ...	...
North America	55 355	54 284	53 276	52 531	52 191	-340	-0.6	-5.7
Canada	8 961	9 021	8 115	8 120	7 780	-340	-4.2	-13.2
United States	46 394	45 263	45 161	44 411	44 411	0	0.0	-4.3

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of chemical woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
EXPORTS									
Europe	12 529	13 519	12 958	13 297	14 103	806	6.1	12.6	
of which:									
Finland	3 628	4 072	3 737	3 822	3 625	-197	-5.2	-0.1	
Sweden	2 912	3 490	3 620	3 421	3 152	-269	-7.9	8.3	
Turkey	12	45	67	64	1 539	1 475	2304.7	12577.1	
Portugal	1 077	1 168	1 228	1 202	1 162	-40	-3.3	7.9	
Netherlands	939	726	678	1 157	1 157	0	0.0	23.3	
Germany	973	1 149	1 075	1 070	1 092	22	2.1	12.2	
EECCA	2 139	2 167	2 521	2 522	2 522	0	0.0	17.9	
of which:									
Russian Federation	2 118	2 052	2 306	2 306	2 306	0	0.0	8.9	
Belarus	21	115	216	216	216	0	0.0	926.1	
Uzbekistan	0	0	0	0	0	0 ...	...	
North America	13 944	13 878	13 288	12 645	12 799	154	1.2	-8.2	
Canada	7 178	7 044	6 327	6 025	5 900	-125	-2.1	-17.8	
United States	6 767	6 834	6 961	6 620	6 899	279	4.2	2.0	
IMPORTS									
Europe	19 583	18 270	17 026	17 655	18 672	1 017	5.8	-4.7	
of which:									
Germany	4 478	4 174	3 705	3 968	3 551	-417	-10.5	-20.7	
Italy	3 348	3 392	3 133	3 156	3 352	196	6.2	0.1	
Turkey	1 190	1 310	1 402	1 270	2 038	768	60.5	71.3	
Netherlands	1 469	1 289	1 467	1 924	1 924	0	0.0	31.0	
France	1 880	1 592	1 669	1 538	1 634	96	6.2	-13.1	
Poland	1 091	1 008	1 060	1 106	1 145	38	3.5	4.9	
EECCA	243	307	320	328	319	-9	-2.6	31.1	
of which:									
Russian Federation	146	209	209	209	209	0	0.0	43.6	
Uzbekistan	15	16	14	17	37	21	124.7	150.2	
Ukraine	59	62	64	70	37	-33	-47.0	-37.4	
North America	5 617	5 433	5 754	6 076	6 851	775	12.8	22.0	
Canada	344	392	398	424	394	-30	-7.1	14.5	
United States	5 273	5 041	5 356	5 652	6 457	805	14.2	22.5	

Source: UNECE/FAO TIMBER database, 2023.

Chemical woodpulp balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 2018 to 2022	
						Volume	%	Volume	%
Europe									
Production	27 327	27 400	27 242	28 350	27 805	-546	-1.9	1.7	
Imports	19 583	18 270	17 026	17 655	18 672	1 017	5.8	-4.7	
Exports	12 529	13 519	12 958	13 297	14 103	806	6.1	12.6	
Net trade	-7 054	-4 751	-4 069	-4 358	-4 570	-211	...	-35.2	
Apparent consumption	34 381	32 151	31 310	32 709	32 374	-335	-1.0	-5.8	
EECCA									
Production	6 193	6 030	6 617	6 617	6 617	0	0.0	6.8	
Imports	243	307	320	328	319	-9	-2.6	31.1	
Exports	2 139	2 167	2 521	2 522	2 522	0	0.0	17.9	
Net trade	1 896	1 860	2 201	2 194	2 203	9	0.4	16.2	
Apparent consumption	4 298	4 170	4 416	4 423	4 414	-9	-0.2	2.7	
North America									
Production	55 355	54 284	53 276	52 531	52 191	-340	-0.6	-5.7	
Imports	5 617	5 433	5 754	6 076	6 851	775	12.8	22.0	
Exports	13 944	13 878	13 288	12 645	12 799	154	1.2	-8.2	
Net trade	8 328	8 444	7 534	6 569	5 948	-621	-9.4	-28.6	
Apparent consumption	47 028	45 840	45 742	45 962	46 243	281	0.6	-1.7	
UNECE region									
Production	88 876	87 715	87 135	87 498	86 613	-886	-1.0	-2.5	
Imports	25 443	24 010	23 100	24 058	25 842	1 784	7.4	1.6	
Exports	28 613	29 564	28 767	28 463	29 423	960	3.4	2.8	
Net trade	3 169	5 554	5 667	4 405	3 581	-823	-18.7	13.0	
Apparent consumption	85 707	82 161	81 468	83 094	83 031	-62	-0.1	-3.1	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of chemical woodpulp, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	9 468 040	8 208 146	6 791 440	9 306 122	11 283 533	1 977 412	21.2	19.2
of which:								
Finland	2 862 473	2 433 045	1 872 727	2 652 141	2 854 769	202 628	7.6	-0.3
Sweden	2 245 336	2 186 065	2 046 359	2 519 082	2 511 798	-7 284	-0.3	11.9
Turkey	11 342	37 079	46 372	59 754	1 462 715	1 402 961	2347.9	12796.4
Germany	765 188	763 948	625 600	829 094	970 187	141 093	17.0	26.8
Netherlands	756 191	467 697	397 447	831 049	831 049	0	0.0	9.9
Portugal	655 848	608 824	550 651	741 699	799 467	57 768	7.8	21.9
EECCA	1 505 969	1 067 044	1 099 752	1 100 083	1 100 261	178	0.0	-26.9
of which:								
Russian Federation	1 491 716	1 013 354	1 004 020	1 004 020	1 004 020	0	0.0	-32.7
Belarus	14 229	53 612	95 674	95 674	95 674	0	0.0	572.4
Uzbekistan	0	0	0	0	484	484	...	...
North America	10 387 041	9 032 810	7 780 226	9 538 994	11 026 114	1 487 120	15.6	6.2
Canada	5 475 676	4 391 342	3 581 202	4 515 696	4 944 280	428 584	9.5	-9.7
United States	4 911 365	4 641 468	4 199 024	5 023 298	6 081 834	1 058 536	21.1	23.8
IMPORTS								
Europe	14 579 203	11 710 930	9 144 177	11 739 534	15 187 730	3 448 195	29.4	4.2
of which:								
Germany	3 167 284	2 598 874	1 939 379	2 672 664	2 906 055	233 391	8.7	-8.2
Italy	2 526 456	2 138 494	1 576 713	2 115 448	2 704 360	588 912	27.8	7.0
Turkey	963 559	834 435	733 594	923 856	1 489 494	565 638	61.2	54.6
United Kingdom	747 773	537 291	463 130	418 166	1 483 581	1 065 415	254.8	98.4
France	1 438 414	1 043 900	869 321	1 086 783	1 349 237	262 454	24.1	-6.2
Netherlands	1 127 236	850 040	794 765	1 022 670	1 022 670	0	0.0	-9.3
EECCA	193 118	226 344	223 976	240 557	259 127	18 570	7.7	34.2
of which:								
Russian Federation	124 147	162 347	162 347	162 347	162 347	0	0.0	30.8
Uzbekistan	11 721	11 140	8 709	15 291	37 844	22 553	147.5	222.9
Ukraine	40 639	39 464	33 795	43 301	32 911	-10 389	-24.0	-19.0
North America	3 596 033	3 335 904	2 829 863	3 855 000	4 730 645	875 644	22.7	31.6
Canada	248 143	249 262	235 114	280 286	338 531	58 244	20.8	36.4
United States	3 347 890	3 086 642	2 594 749	3 574 714	4 392 114	817 400	22.9	31.2

Source: UNECE/FAO TIMBER database, 2023.

Production of dissolving grades woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	2 096	2 092	1 830	1 837	1 861	24	1.3	-11.2
of which:								
Sweden	481 e	483 e	467 e	463 e	454 e	-9	-2.0	-5.6
Austria	456	462	441	385	419	34	8.9	-8.0
Finland	400 e	400 r	400 r	400 r	400 r	0	0.0	0.0
Czechia	250 e	260 e	262 e	262 r	262 r	0	0.0	4.8
France	90 e	90 n	0 n	109 e	109 r	0	0.0	21.1
Portugal	107	101	92	97	96	-1	-1.0	-9.9
EECCA	0	0	0	0	0	0 ...	...	...
of which:								
Armenia	0 r	0 r	0 r	0 r	0 r	0 ...	...	...
Azerbaijan	0 r	0 r	0 r	0 r	0 r	0 ...	...	...
Belarus	0 r	0	0	0	0 r	0 ...	...	...
North America	1 836	1 872	1 737	1 848	1 848	0	0.0	0.7
Canada	620 e	620 r	620 r	620 r	620 r	0	0.0	0.0
United States	1 216	1 252	1 117	1 228	1 228 r	0	0.0	1.0

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of dissolving grades woodpulp, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	1 307	1 366	1 259	1 420	1 152	-268	-18.8	-11.8
of which:								
Sweden	310	336	380	390	371	-19	-4.9	19.9
Czechia	264 e	267 e	272	272 r	272 r	0	0.0	3.1
Norway	143	154	150	165	148	-17	-10.1	3.6
France	109	115	0	115 e	120 e	5	4.8	9.8
Austria	151	144	142	67	115	48	71.2	-24.1
Portugal	93	88	91	92	89	-3	-2.8	-3.6
EECCA	0	0	0	0	0	0 ...	...
of which:								
Armenia	0	0 r	0 r	0 r	0 r	0 ...	...
Azerbaijan	0 r	0 r	0 r	0 r	0 r	0 ...	...
Belarus	0	0	0	0 r	0 r	0 ...	...
North America	1 398	1 397	1 100	1 165	1 215	50	4.3	-13.1
Canada	522	469	380	375	370	-5	-1.3	-29.1
United States	876	928	719	790	845	55	6.9	-3.5
IMPORTS								
Europe	734	719	663	690	671	-19	-2.8	-8.6
of which:								
Germany	419	376 n	377	411	401	-10	-2.4	-4.3
Austria	42	46	59	81	87	6	7.7	108.9
United Kingdom	46	50	49	51	47	-4	-7.2	3.0
Ireland	36	36 r	43	28	28 r	0	0.0	-23.9
Spain	16	18	17	17	20	3	19.7	27.9
Netherlands	18	20	23	19	19 r	0	0.0	6.3
EECCA	0	6	6	0	0	0	27.0	-34.2
of which:								
Belarus	0	0	0	0 r	0 r	0	0.0	-63.0
Kyrgyzstan	0 e	0	0 e	0 e	0 e	0	63.2	675.0
Uzbekistan	0	0	0	0 e	0 e	0 ...		40.0
North America	132	134	183	247	283	36	14.6	114.3
Canada	0	0	0	0	0	0	-19.5	38.0
United States	132	134	183	247	283	36	14.7	114.4

Source: UNECE/FAO TIMBER database, 2023.

Dissolving grades woodpulp balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 2018 to 2022	
						Volume	%	Volume	%
Europe									
Production	2 096	2 092	1 830	1 837	1 861	24	1.3	-11.2	
Imports	734	719	663	690	671	-19	-2.8	-8.6	
Exports	1 307	1 366	1 259	1 420	1 152	-268	-18.8	-11.8	
Net trade	573	647	596	730	482	-249	-34.0	-15.9	
Apparent consumption	1 523	1 445	1 234	1 107	1 379	272	24.6	-9.4	
EECCA									
Production	0	0	0	0	0	0 ...	...	
Imports	0	6	6	0	0	0	27.0	-34.2	
Exports	0	0	0	0	0	0 ...	...	
Net trade	0	-6	-6	0	0	0 ...		-34.2	
Apparent consumption	0	6	6	0	0	0	27.0	-34.2	
North America									
Production	1 836	1 872	1 737	1 848	1 848	0	0.0	0.7	
Imports	132	134	183	247	283	36	14.6	114.3	
Exports	1 398	1 397	1 100	1 165	1 215	50	4.3	-13.1	
Net trade	1 266	1 263	917	918	932	14	1.5	-26.4	
Apparent consumption	569	609	820	930	916	-14	-1.5	60.9	
UNECE region									
Production	3 932	3 964	3 567	3 685	3 709	24	0.6	-5.7	
Imports	867	859	851	937	954	17	1.8	10.1	
Exports	2 705	2 763	2 358	2 585	2 368	-218	-8.4	-12.5	
Net trade	1 838	1 904	1 507	1 648	1 413	-235	-14.2	-23.1	
Apparent consumption	2 093	2 060	2 060	2 037	2 296	258	12.7	9.7	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of dissolving grades woodpulp, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	1 287 670	1 226 295	920 053	1 311 315	1 148 178	-163 137	-12.4	-10.8
of which:								
Sweden	296 968	281 988	269 856	357 493	378 409	20 916	5.9	27.4
Norway	182 519	185 325	189 077	211 094	219 501	8 407	4.0	20.3
Czechia	241 703 e	226 843 e	177 054	177 054 r	177 054 r	0	0.0	-26.7
France	151 801	152 439	0	152 294 e	159 561 e	7 267	4.8	5.1
Portugal	83 800	65 381	59 822	83 167	86 933	3 766	4.5	3.7
Austria	113 512	107 245	95 339	49 057	82 450	33 393	68.1	-27.4
EECCA	0	0	1	1	1	0	0.0 ...	
of which:								
Kazakhstan	0 r	0 r	1	1 r	1 r	0	0.0 ...	
Armenia	0	0 r	0 r	0 r	0 r	0 ...	...
Azerbaijan	0 r	0 r	0 r	0 r	0 r	0 ...	...
North America	1 420 578	1 308 472	951 240	1 246 478	1 427 988	181 510	14.6	0.5
Canada	478 525	396 915	267 295	339 602	368 242	28 639	8.4	-23.0
United States	942 053	911 557	683 945	906 875	1 059 746	152 871	16.9	12.5
IMPORTS								
Europe	753 669	713 067	629 148	701 101	726 650	25 549	3.6	-3.6
of which:								
Germany	414 136	361 418 n	355 756	403 527	400 105	-3 422	-0.8	-3.4
Austria	36 708	35 668	38 524	73 567	94 887	21 320	29.0	158.5
United Kingdom	37 455	46 707	38 863	47 786	49 575	1 789	3.7	32.4
Ireland	39 302	39 302 r	51 194	31 780	31 780 r	0	0.0	-19.1
Spain	16 784	17 910	16 348	17 768	27 682	9 914	55.8	64.9
Sweden	32 005	27 357	25 080	25 071	27 457	2 386	9.5	-14.2
EECCA	407	3 554	3 365	239	283	44	18.4	-30.4
of which:								
Belarus	308	260	136	136 r	136 r	0	0.0	-55.9
Kyrgyzstan	8	32	18	37	62	24	65.6	670.0
Georgia	10	8	10	14	25	11	78.8	148.4
North America	168 994	178 966	210 792	236 711	285 937	49 226	20.8	69.2
Canada	138	288	95	244	187	-57	-23.3	35.5
United States	168 856	178 678	210 698	236 467	285 750	49 283	20.8	69.2

Source: UNECE/FAO TIMBER database, 2023.

Woodpulp (million tonnes)

	Production				Apparent Consumption			
	2018	2021	2022	% change 2021-2022	2018	2021	2022	% change 2021-2022
Europe								
Mechanical and semi-chemical	11.4	9.5	9.4	-1.2%	11.2	9.1	9.2	1.0%
Chemical	27.3	28.4	27.8	-1.9%	34.4	32.7	32.4	-1.0%
Dissolving grades	2.1	1.8	1.9	1.3%	1.5	1.1	1.4	24.6%
Total woodpulp	40.8	39.7	39.0	-1.6%	47.1	42.9	42.9	0.1%
EECCA								
Mechanical and semi-chemical	2.4	2.4	2.4	0.1%	2.3	2.3	2.3	-0.2%
Chemical	6.2	6.6	6.6	0.0%	4.3	4.4	4.4	-0.2%
Dissolving grades	0.0	0.0	0.0	...	0.0	0.0	0.0	27.0%
Total woodpulp	8.6	9.1	9.1	0.0%	6.6	6.7	6.7	-0.2%
North America								
Mechanical and semi-chemical	12.8	10.2	9.8	-3.3%	10.8	8.1	7.9	-2.6%
Chemical	55.4	52.5	52.2	-0.6%	47.0	46.0	46.2	0.6%
Dissolving grades	1.8	1.8	1.8	0.0%	0.6	0.9	0.9	-1.5%
Total woodpulp	70.0	64.6	63.9	-1.1%	58.4	55.0	55.1	0.1%
UNECE region								
Mechanical and semi-chemical	26.7	22.1	21.6	-2.1%	24.3	19.5	19.4	-0.6%
Chemical	88.9	87.5	86.6	-1.0%	85.7	83.1	83.0	-0.1%
Dissolving grades	3.9	3.7	3.7	0.6%	2.1	2.0	2.3	12.7%
Total woodpulp	119.5	113.3	112.0	-1.2%	112.1	104.7	104.8	0.1%

Source: UNECE/FAO TIMBER database, 2023.

Production of graphic paper, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	33 604	31 003	25 286	26 739	24 185	-2 554	-9.6	-28.0
of which:								
Germany	7 934	7 292	6 247	6 823	6 194	-629	-9.2	-21.9
Finland	5 520	4 880	3 410	3 250	2 560	-690	-21.2	-53.6
Sweden	3 487	3 254	2 787	2 364	1 991	-373	-15.8	-42.9
Austria	2 398	2 281	1 972	2 248	1 869	-378	-16.8	-22.1
Italy	2 457	2 306	1 658	1 884	1 701	-183	-9.7	-30.8
Portugal	1 538	1 444	1 299	1 463	1 519	56	3.8	-1.2
EECCA	2 579	2 581	2 684	2 682	2 680	-2	-0.1	3.9
of which:								
Russian Federation	2 492	2 520	2 624	2 624	2 624	0	0.0	5.3
Belarus	72	51	49	49	49	0	0.0	-31.4
Ukraine	8	4	4	5	5	0	0.0	-37.5
North America	19 032	16 909	12 725	12 709	12 793	84	0.7	-32.8
Canada	6 061	5 274	4 212	4 413	4 497	84	1.9	-25.8
United States	12 971	11 635	8 513	8 296	8 296	0	0.0	-36.0

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of graphic paper, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	29 068	27 435	21 641	22 685	20 034	-2 651	-11.7	-31.1
of which:								
Germany	5 630	5 287	4 583	5 007	4 467	-540	-10.8	-20.7
Finland	5 682	5 058	3 622	3 615	2 450	-1 165	-32.2	-56.9
Sweden	3 401	3 200	2 748	2 556	2 152	-404	-15.8	-36.7
Austria	2 375	2 251	1 849	1 911	1 662	-249	-13.0	-30.0
Portugal	1 455	1 414	1 261	1 419	1 471	52	3.7	1.1
Italy	1 465	1 507	1 037	1 304	1 193	-111	-8.5	-18.6
EECCA	1 718	1 818	1 531	1 534	1 533	-1	-0.1	-10.8
of which:								
Russian Federation	1 685	1 768	1 489	1 489	1 489	0	0.0	-11.6
Belarus	32	37	38	38	38	0	0.0	19.2
Kazakhstan	1	5	3	3	2	-1	-35.4	324.0
North America	6 883	6 119	5 033	5 193	4 871	-322	-6.2	-29.2
Canada	5 240	4 569	3 833	3 910	3 914	4	0.1	-25.3
United States	1 643	1 551	1 200	1 283	957	-326	-25.4	-41.8
IMPORTS								
Europe	23 421	21 921	18 122	18 026	18 049	23	0.1	-22.9
of which:								
Germany	5 214	4 677	4 069	4 053	3 585	-468	-11.5	-31.2
France	2 394	2 468	2 132	2 128	2 121	-7	-0.3	-11.4
United Kingdom	2 675	2 477	1 966	1 903	2 017	114	6.0	-24.6
Italy	1 975	1 794	1 524	1 547	1 902	356	23.0	-3.7
Poland	1 295	1 183	1 178	1 259	1 197	-61	-4.9	-7.6
Turkey	1 022	1 016	929	766	883	117	15.3	-13.6
EECCA	1 052	1 033	836	853	764	-89	-10.5	-27.4
of which:								
Russian Federation	390	359	309	309	309	0	0.0	-20.7
Ukraine	269	265	213	213	112	-102	-47.6	-58.5
Uzbekistan	84	130	67	86	102	16	18.7	21.7
North America	6 618	5 977	4 653	5 087	5 122	35	0.7	-22.6
Canada	671	594	443	478	586	107	22.5	-12.7
United States	5 947	5 383	4 210	4 609	4 536	-73	-1.6	-23.7

Source: UNECE/FAO TIMBER database, 2023.

Graphic paper balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 2018 to 2022	
						Volume	%	Volume	%
Europe									
Production	33 604	31 003	25 286	26 739	24 185	-2 554	-9.6	-28.0	
Imports	23 421	21 921	18 122	18 026	18 049	23	0.1	-22.9	
Exports	29 068	27 435	21 641	22 685	20 034	-2 651	-11.7	-31.1	
Net trade	5 647	5 514	3 519	4 659	1 985	-2 674	-57.4	-64.9	
Apparent consumption	27 957	25 489	21 767	22 080	22 200	120	0.5	-20.6	
EECCA									
Production	2 579	2 581	2 684	2 682	2 680	-2	-0.1	3.9	
Imports	1 052	1 033	836	853	764	-89	-10.5	-27.4	
Exports	1 718	1 818	1 531	1 534	1 533	-1	-0.1	-10.8	
Net trade	666	784	696	681	769	88	13.0	15.5	
Apparent consumption	1 913	1 797	1 988	2 001	1 911	-90	-4.5	-0.1	
North America									
Production	19 032	16 909	12 725	12 709	12 793	84	0.7	-32.8	
Imports	6 618	5 977	4 653	5 087	5 122	35	0.7	-22.6	
Exports	6 883	6 119	5 033	5 193	4 871	-322	-6.2	-29.2	
Net trade	265	142	380	106	-250	-357	-335.4 ...		
Apparent consumption	18 766	16 767	12 345	12 603	13 043	441	3.5	-30.5	
UNECE region									
Production	55 215	50 492	40 695	42 130	39 658	-2 472	-5.9	-28.2	
Imports	31 091	28 932	23 611	23 966	23 934	-31	-0.1	-23.0	
Exports	37 670	35 372	28 205	29 412	26 438	-2 974	-10.1	-29.8	
Net trade	6 579	6 441	4 595	5 446	2 503	-2 943	-54.0	-61.9	
Apparent consumption	48 636	44 052	36 100	36 684	37 155	471	1.3	-23.6	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of graphic paper, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Value	%	Value	%
EXPORTS									
Europe	24 874 598	22 867 786	17 448 160	19 865 586	23 736 479	3 870 893	19.5		-4.6
of which:									
Germany	5 106 628	4 741 419	3 933 772	4 425 048	5 475 520	1 050 471	23.7		7.2
Finland	4 322 534	3 812 870	2 548 329	2 703 421	2 515 890	-187 531	-6.9		-41.8
Sweden	2 403 544	2 334 442	1 893 000	1 838 936	2 148 635	309 699	16.8		-10.6
Austria	1 858 570	1 721 996	1 417 904	1 603 888	2 077 966	474 077	29.6		11.8
Portugal	1 434 543	1 330 091	1 082 172	1 317 128	1 835 817	518 689	39.4		28.0
Italy	1 477 921	1 461 991	1 025 564	1 428 763	1 783 323	354 560	24.8		20.7
EECCA	1 105 024	1 001 114	792 848	795 509	809 219	13 710	1.7		-26.8
of which:									
Russian Federation	1 085 479	971 564	773 581	773 581	773 581	0	0.0		-28.7
Belarus	17 976	19 396	16 762	16 762	16 762	0	0.0		-6.8
Uzbekistan	52	4 076	87	2 387	12 993	10 606	444.4		25005.3
North America	5 266 398	4 709 278	3 587 572	3 949 984	4 543 888	593 904	15.0		-13.7
Canada	3 614 704	3 209 880	2 444 570	2 661 071	3 427 428	766 357	28.8		-5.2
United States	1 651 694	1 499 398	1 143 001	1 288 913	1 116 460	-172 453	-13.4		-32.4
IMPORTS									
Europe	20 149 356	18 628 296	14 651 182	15 293 151	19 647 145	4 353 994	28.5		-2.5
of which:									
Germany	4 170 810	3 687 650	3 072 525	3 189 915	4 014 288	824 373	25.8		-3.8
France	2 317 860	2 234 727	1 843 266	1 945 646	2 551 031	605 385	31.1		10.1
United Kingdom	2 219 788	2 206 511	1 546 618	1 396 111	2 272 826	876 715	62.8		2.4
Italy	1 637 746	1 456 510	1 138 354	1 238 768	1 775 357	536 590	43.3		8.4
Poland	1 091 672	979 813	932 684	1 043 219	1 230 117	186 898	17.9		12.7
Turkey	900 344	855 088	706 270	675 694	1 084 354	408 660	60.5		20.4
EECCA	993 658	1 037 585	795 273	830 196	839 096	8 900	1.1		-15.6
of which:									
Russian Federation	388 589	360 718	311 502	311 502	311 502	0	0.0		-19.8
Ukraine	247 954	228 941	186 433	186 433	142 210	-44 222	-23.7		-42.6
Uzbekistan	74 470	155 873	53 324	78 668	120 322	41 653	52.9		61.6
North America	5 354 105	5 144 343	3 716 032	4 204 626	5 857 528	1 652 902	39.3		9.4
Canada	759 368	692 441	506 839	569 521	833 280	263 759	46.3		9.7
United States	4 594 737	4 451 902	3 209 192	3 635 105	5 024 248	1 389 142	38.2		9.3

Source: UNECE/FAO TIMBER database, 2023.

Production of packaging paper, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 20
						Volume	%	%
Europe	53 056	53 277	53 843	57 396	55 769	-1 626	-2.8	5.1
of which:								
Germany	11 839	11 950	12 252	13 343	12 536	-808	-6.1	5.9
Sweden	6 224	5 945	6 083	6 156	6 138	-18	-0.3	-1.4
Italy	4 614	4 582	4 806	5 529	4 977	-552	-10.0	7.9
Spain	3 873	4 194	4 365	4 684	4 684	0	0.0	20.9
France	4 461	4 441	4 422	4 840	4 682	-158	-3.3	5.0
Finland	4 590	4 440	3 680	4 220	4 475	255	6.0	-2.5
EECCA	7 339	7 234	7 606	7 758	7 584	-174	-2.2	3.3
of which:								
Russian Federation	5 896	5 962	6 208	6 208	6 208	0	0.0	5.3
Ukraine	989	862	860	1 025	802	-223	-21.8	-18.9
Belarus	234	203	196	196	196	0	0.0	-16.2
North America	52 951	51 500	51 477	54 214	54 079	-135	-0.2	2.1
Canada	3 342	3 455	3 314	3 265	3 130	-135	-4.1	-6.3
United States	49 609	48 045	48 163	50 948	50 948	0	0.0	2.7

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of packaging paper, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	34 445	34 926	35 245	37 522	36 091	-1 431	-3.8	4.8
of which:								
Germany	7 577	7 915	8 077	8 679	8 189	-490	-5.6	8.1
Sweden	6 054	5 915	6 207	6 467	6 344	-124	-1.9	4.8
Finland	4 182	4 071	4 040	4 603	4 427	-176	-3.8	5.8
France	2 310	2 415	2 478	2 672	2 589	-83	-3.1	12.1
Austria	1 843	1 903	2 020	2 105	2 023	-83	-3.9	9.8
Poland	1 786	1 798	1 885	1 934	2 012	78	4.0	12.6
EECCA	1 811	1 653	2 324	2 352	2 256	-96	-4.1	24.6
of which:								
Russian Federation	1 452	1 375	2 051	2 051	2 051	0	0.0	41.2
Belarus	106	102	96	96	96	0	0.0	-8.7
Ukraine	243	160	159	159	56	-103	-64.8	-77.0
North America	11 388	10 454	10 688	10 574	10 516	-58	-0.5	-7.7
Canada	2 150	2 019	2 046	2 259	2 090	-168	-7.5	-2.8
United States	9 238	8 435	8 642	8 316	8 426	110	1.3	-8.8
IMPORTS								
Europe	30 971	30 641	30 025	31 670	32 510	841	2.7	5.0
of which:								
Germany	5 518	5 348	5 418	5 712	5 346	-366	-6.4	-3.1
Italy	3 308	3 255	3 172	3 179	3 808	629	19.8	15.1
Poland	2 831	2 988	3 287	3 781	3 797	16	0.4	34.1
France	2 193	2 253	2 250	2 484	2 576	93	3.7	17.5
United Kingdom	2 289	2 234	2 043	2 105	2 324	219	10.4	1.5
Spain	1 897	1 759	1 679	1 808	1 936	129	7.1	2.1
EECCA	1 526	1 661	1 628	1 641	1 568	-73	-4.4	2.8
of which:								
Russian Federation	833	860	836	836	836	0	0.0	0.3
Ukraine	280	288	299	299	192	-106	-35.6	-31.3
Belarus	152	170	165	165	165	0	0.0	8.7
North America	4 876	4 626	4 713	5 143	5 147	4	0.1	5.5
Canada	1 821	1 707	1 740	1 859	1 860	1	0.1	2.1
United States	3 055	2 918	2 973	3 284	3 287	3	0.1	7.6

Source: UNECE/FAO TIMBER database, 2023.

Packaging paper balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022		Change 2018 to 2022	
						Volume	%	Volume	%
Europe									
Production	53 056	53 277	53 843	57 396	55 769	-1 626	-2.8	5.1	
Imports	30 971	30 641	30 025	31 670	32 510	841	2.7	5.0	
Exports	34 445	34 926	35 245	37 522	36 091	-1 431	-3.8	4.8	
Net trade	3 475	4 285	5 219	5 852	3 581	-2 271	-38.8	3.1	
Apparent consumption	49 582	48 991	48 624	51 544	52 189	645	1.3	5.3	
EECCA									
Production	7 339	7 234	7 606	7 758	7 584	-174	-2.2	3.3	
Imports	1 526	1 661	1 628	1 641	1 568	-73	-4.4	2.8	
Exports	1 811	1 653	2 324	2 352	2 256	-96	-4.1	24.6	
Net trade	284	-7	696	711	688	-23	-3.2	141.8	
Apparent consumption	7 055	7 241	6 910	7 047	6 896	-151	-2.1	-2.3	
North America									
Production	52 951	51 500	51 477	54 214	54 079	-135	-0.2	2.1	
Imports	4 876	4 626	4 713	5 143	5 147	4	0.1	5.5	
Exports	11 388	10 454	10 688	10 574	10 516	-58	-0.5	-7.7	
Net trade	6 512	5 828	5 975	5 432	5 370	-62	-1.1	-17.5	
Apparent consumption	46 439	45 672	45 502	48 782	48 709	-73	-0.1	4.9	
UNECE region									
Production	113 346	112 011	112 926	119 367	117 432	-1 936	-1.6	3.6	
Imports	37 373	36 927	36 367	38 453	39 225	772	2.0	5.0	
Exports	47 644	47 033	48 257	50 448	48 864	-1 584	-3.1	2.6	
Net trade	10 271	10 106	11 890	11 994	9 638	-2 356	-19.6	-6.2	
Apparent consumption	103 075	101 905	101 035	107 373	107 794	421	0.4	4.6	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of packaging paper, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Value	%	Value	%
EXPORTS									
Europe	31 285 636	28 909 271	27 147 173	32 968 915	36 009 206	3 040 291	9.2	15.1	
of which:									
Germany	6 709 514	6 011 194	5 717 042	7 677 568	8 498 042	820 474	10.7	26.7	
Sweden	5 382 848	5 139 886	5 302 281	4 639 344	4 913 538	274 195	5.9	-8.7	
Finland	4 062 188	3 766 687	3 676 163	4 555 836	4 834 564	278 727	6.1	19.0	
France	2 246 845	2 010 958	1 934 593	2 595 360	2 957 339	361 980	13.9	31.6	
Poland	1 634 427	1 455 450	1 418 564	1 813 442	2 132 006	318 564	17.6	30.4	
Italy	1 582 835	1 374 549	1 358 006	1 856 406	1 962 317	105 911	5.7	24.0	
EECCA	1 367 231	1 137 895	1 275 559	1 296 531	1 254 954	-41 577	-3.2	-8.2	
of which:									
Russian Federation	1 126 541	949 485	1 105 599	1 105 599	1 105 599	0	0.0	-1.9	
Ukraine	187 359	132 391	123 465	123 465	73 819	-49 646	-40.2	-60.6	
Belarus	49 645	47 237	37 237	37 237	37 237	0	0.0	-25.0	
North America	10 098 904	8 871 568	8 316 453	9 370 737	10 573 664	1 202 927	12.8	4.7	
Canada	1 961 735	1 808 460	1 690 148	2 042 089	2 244 384	202 295	9.9	14.4	
United States	8 137 169	7 063 109	6 626 305	7 328 648	8 329 281	1 000 632	13.7	2.4	
IMPORTS									
Europe	26 402 934	24 028 133	22 404 696	27 700 899	32 680 497	4 979 599	18.0	23.8	
of which:									
Germany	4 644 117	4 128 388	3 995 210	4 883 527	5 384 348	500 820	10.3	15.9	
Italy	2 828 050	2 458 024	2 288 785	2 831 109	3 909 587	1 078 478	38.1	38.2	
Poland	2 318 117	2 123 529	2 225 160	3 096 744	3 521 610	424 866	13.7	51.9	
France	2 077 730	1 888 631	1 808 369	2 374 037	2 793 711	419 674	17.7	34.5	
United Kingdom	1 832 037	1 770 993	1 661 260	1 792 683	2 644 711	852 028	47.5	44.4	
Turkey	1 257 470	1 102 260	1 163 432	1 444 241	2 161 033	716 792	49.6	71.9	
EECCA	1 691 318	1 616 623	1 626 617	1 687 169	1 740 000	52 831	3.1	2.9	
of which:									
Russian Federation	957 351	872 971	905 834	905 834	905 834	0	0.0	-5.4	
Ukraine	305 559	292 574	284 159	284 159	242 334	-41 825	-14.7	-20.7	
Belarus	162 223	160 885	150 186	150 186	150 186	0	0.0	-7.4	
North America	5 235 328	4 926 354	4 731 952	5 638 089	6 647 294	1 009 206	17.9	27.0	
Canada	1 772 177	1 694 010	1 655 514	1 965 404	2 244 211	278 806	14.2	26.6	
United States	3 463 151	3 232 345	3 076 437	3 672 684	4 403 084	730 399	19.9	27.1	

Source: UNECE/FAO TIMBER database, 2023.

Wood pulp balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	40 830	40 015	39 024	39 665	39 028	40 611
Imports	21 506	20 129	18 755	19 411	20 537	20 624
Exports	15 192	16 216	15 489	16 171	16 628	17 678
Net trade	-6 314	-3 913	-3 266	-3 240	-3 909	-2 946
Apparent consumption	47 144	43 928	42 290	42 905	42 936	43 557
EECCA						
Production	8 613	8 421	9 056	9 057	9 059	9 059
Imports	255	321	335	339	323	323
Exports	2 276	2 305	2 660	2 660	2 660	2 660
Net trade	2 021	1 984	2 325	2 321	2 337	2 337
Apparent consumption	6 592	6 437	6 731	6 736	6 722	6 722
North America						
Production	70 023	68 877	65 411	64 565	63 885	63 404
Imports	5 916	5 700	6 070	6 476	7 382	7 630
Exports	17 584	17 526	16 649	16 001	16 170	15 955
Net trade	11 668	11 826	10 580	9 525	8 788	8 325
Apparent consumption	58 356	57 051	54 831	55 040	55 097	55 079
UNECE region						
Production	119 467	117 314	113 491	113 287	111 972	113 073
Imports	27 677	26 150	25 160	26 226	28 242	28 578
Exports	35 053	36 047	34 798	34 832	35 458	36 294
Net trade	7 375	9 897	9 638	8 606	7 217	7 716
Apparent consumption	112 091	107 417	103 853	104 681	104 755	105 357

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Paper and paperboard balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	98 744	96 203	91 905	100 377	95 464	97 012
Imports	57 270	55 313	51 127	52 113	52 827	52 915
Exports	66 453	65 121	59 673	62 557	58 352	59 696
Net trade	9 184	9 808	8 547	10 445	5 525	6 781
Apparent consumption	89 560	86 395	83 358	89 932	89 939	90 231
EECCA						
Production	10 971	10 956	11 472	11 520	11 350	11 350
Imports	2 717	2 836	2 607	2 643	2 471	2 471
Exports	3 624	3 571	3 960	3 991	3 890	3 890
Net trade	907	735	1 353	1 347	1 418	1 418
Apparent consumption	10 064	10 221	10 120	10 173	9 932	9 932
North America						
Production	81 033	77 630	74 904	76 671	76 470	75 147
Imports	12 086	11 158	9 958	10 672	10 771	10 583
Exports	19 064	17 267	16 276	16 345	16 022	15 671
Net trade	6 978	6 110	6 318	5 673	5 250	5 088
Apparent consumption	74 055	71 520	68 587	70 998	71 219	70 059
UNECE region						
Production	190 748	184 789	178 281	188 567	183 284	183 509
Imports	72 073	69 306	63 692	65 428	66 069	65 969
Exports	89 142	85 959	79 909	82 893	78 263	79 257
Net trade	17 068	16 653	16 217	17 465	12 194	13 288
Apparent consumption	173 679	168 136	162 065	171 102	171 090	170 221

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Paper and Board in Europe (million tonnes)

	Production				Apparent Consumption			
	2018	2021	2022	% change 2021-2022	2018	2021	2022	% change 2021-2022
Graphic Papers	33.6	26.7	24.2	-9.6%	28.0	22.1	22.2	0.5%
Newsprint	6.0	4.6	4.1	-10.0%	5.8	4.7	4.8	2.9%
Uncoated Mechanical	5.9	5.0	4.3	-13.0%	4.6	3.9	3.7	-4.4%
Uncoated Woodfree	8.7	7.8	7.4	-5.9%	8.1	6.7	6.9	2.6%
Coated Papers	13.0	9.3	8.3	-10.6%	9.4	6.8	6.8	-0.3%
Sanitary and Household Papers	8.0	8.0	8.1	1.1%	7.9	8.1	8.1	0.4%
Packaging Materials	53.1	57.4	55.8	-2.8%	49.6	51.5	52.2	1.3%
Case Materials	30.8	35.2	34.0	-3.5%	31.2	34.1	33.7	-1.2%
Cartonboard	11.9	11.9	11.7	-2.0%	8.9	8.3	9.2	10.3%
Wrapping Papers	5.7	5.7	5.7	0.5%	5.1	4.8	5.1	7.1%
Other Papers Mainly for Packaging	4.5	4.6	4.4	-4.2%	4.4	4.4	4.2	-3.1%
Other Paper and Board	4.1	8.2	7.4	-10.0%	4.2	8.2	7.4	-9.7%
Paper and Paperboard	98.7	100.4	95.5	-4.9%	89.6	89.9	89.9	0.0%

Source: UNECE/FAO TIMBER database, 2023.

Paper and Board in North America (million tonnes)

	Production				Apparent Consumption			
	2018	2021	2022	% change 2021-2022	2018	2021	2022	% change 2021-2022
Paper and Paperboard	81.0	76.7	76.5	-0.3%	74.1	71.0	71.2	0.3%
Graphic Papers	19.0	12.7	12.8	0.7%	18.8	12.6	13.0	3.5%
Newsprint	4.0	2.3	2.3	-3.4%	2.5	1.3	0.6	-55.2%
Uncoated Mechanical	2.7	1.8	1.9	5.3%	2.8	1.9	2.0	3.7%
Uncoated Woodfree	7.4	5.4	5.5	0.8%	7.5	5.8	6.1	4.7%
Coated Papers	5.0	3.1	3.1	0.6%	6.0	3.6	4.4	22.9%
Sanitary and Household Papers	7.7	8.4	8.3	-1.8%	7.9	8.5	8.4	-1.2%
Packaging Materials	53.0	54.2	54.1	-0.2%	46.4	48.8	48.7	-0.1%
Case Materials	36.9	38.4	38.3	-0.3%	32.1	34.2	34.0	-0.7%
Cartonboard	7.4	9.2	9.2	-0.2%	6.2	8.5	8.6	1.4%
Wrapping Papers	2.8	2.8	2.8	0.0%	2.4	2.4	2.5	4.0%
Other Papers Mainly for Packaging	5.8	3.8	3.8	0.0%	5.7	3.7	3.7	-1.4%
Other Paper and Board	1.4	1.3	1.3	0.0%	1.0	1.1	1.0	-4.1%

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of further processed sawnwood, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022		2018 to 2022	
						Volume	%	Volume	%
EXPORTS									
Europe	1 912 366	1 923 919	1 831 327	2 266 592	2 419 434	152 842	6.7	26.5	
of which:									
Poland	276 222	285 239	343 842	405 484	534 133	128 649	31.7	93.4	
Estonia	167 071	175 265	217 921	276 748	326 051	49 303	17.8	95.2	
Germany	260 644	250 762	237 365	292 299	277 284	-15 015	-5.1	6.4	
Italy	162 569	163 535	144 253	197 230	203 856	6 626	3.4	25.4	
Austria	149 911	146 464	155 438	160 359	155 234	-5 125	-3.2	3.6	
Croatia	62 689	62 873	63 131	93 330	104 184	10 854	11.6	66.2	
EECCA	143 710	143 146	143 410	152 419	161 403	8 983	5.9	12.3	
of which:									
Russian Federati	98 053	98 053	98 053	98 053	98 053	0	0.0	0.0	
Belarus	21 200	22 209	22 630	31 857	31 857	0	0.0	50.3	
Ukraine	23 635	21 675	21 675	21 675	29 000	7 326	33.8	22.7	
North America	432 346	426 792	344 632	485 160	524 823	39 663	8.2	21.4	
Canada	138 874	137 591	148 276	213 708	203 229	-10 480	-4.9	46.3	
United States	293 472	289 201	196 356	271 452	321 594	50 142	18.5	9.6	
IMPORTS									
Europe	2 341 442	2 394 888	1 903 617	2 194 336	2 250 519	56 183	2.6	-3.9	
of which:									
France	267 278	295 370	274 673	350 996	399 152	48 156	13.7	49.3	
Germany	279 511	267 256	317 156	387 107	356 791	-30 316	-7.8	27.6	
United Kingdom	189 038	185 303	150 693	199 162	265 888	66 726	33.5	40.7	
Norway	115 241	116 890	110 686	143 525	117 832	-25 693	-17.9	2.2	
Poland	39 515	47 592	74 856	108 013	116 357	8 344	7.7	194.5	
Austria	101 141	96 363	103 642	135 108	113 437	-21 671	-16.0	12.2	
EECCA	55 128	56 150	53 963	56 327	57 797	1 470	2.6	4.8	
of which:									
Russian Federati	14 671	14 671	14 671	14 671	14 671	0	0.0	0.0	
Kazakhstan	8 166	9 290	10 438	11 308	13 182	1 874	16.6	61.4	
Belarus	5 426	6 513	6 709	7 365	7 365	0	0.0	35.7	
North America	1 445 505	1 395 309	1 391 507	1 984 070	2 460 756	476 686	24.0	70.2	
Canada	162 637	150 772	139 256	204 012	194 836	-9 176	-4.5	19.8	
United States	1 282 869	1 244 537	1 252 251	1 780 058	2 265 920	485 862	27.3	76.6	

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of wooden furniture, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	34 920 297	34 094 959	33 460 423	40 354 545	41 604 576	1 250 031	3.1	19.1
of which:								
Poland	6 329 966	6 406 024	6 870 502	8 367 880	8 873 383	505 504	6.0	40.2
Italy	6 674 261	6 389 124	5 783 275	7 988 972	8 004 913	15 941	0.2	19.9
Germany	5 628 343	5 575 280	5 557 487	5 591 032	6 089 953	498 921	8.9	8.2
Turkey	1 356 522	1 577 982	1 548 402	2 353 534	2 313 460	-40 074	-1.7	70.5
Lithuania	1 570 705	1 640 652	1 678 288	2 161 132	2 161 132 r	0	0.0	37.6
Romania	1 208 941	1 043 202	1 068 877	1 259 135	1 554 623	295 488	23.5	28.6
EECCA	1 103 666	1 203 045	1 247 030	1 457 556	1 328 913	-128 643	-8.8	20.4
of which:								
Belarus	455 085	498 245	527 699	740 200	740 200 r	0	0.0	62.7
Ukraine	427 326	458 083	458 083 r	458 083 r	322 785	-135 297	-29.5	-24.5
Russian Federation	183 419	208 487	213 777	213 777 r	213 777 r	0	0.0	16.6
North America	3 496 365	3 369 518	2 965 264	3 452 959	3 815 276	362 317	10.5	9.1
Canada	1 649 620 e	1 625 529 e	1 382 411 e	1 590 558 e	1 590 558 e	0	0.0	-3.6
United States	1 846 745	1 743 989	1 582 853	1 862 401	2 224 718	362 317	19.5	20.5
IMPORTS								
Europe	30 247 290	30 610 892	30 061 602	33 525 692	33 127 521	-398 171	-1.2	9.5
of which:								
Germany	6 002 996	6 058 718	6 443 960	6 436 567	6 748 736	312 169	4.8	12.4
United Kingdom	4 203 503	4 630 419	4 097 658	5 129 726	5 789 735	660 009	12.9	37.7
France	4 098 168	4 138 203	3 964 112	5 185 278	4 551 916	-633 362	-12.2	11.1
Netherlands	1 626 203	1 740 518	1 810 234	2 152 298	2 152 298 r	0	0.0	32.4
Austria	1 280 967	1 268 101	1 312 084	1 494 080	1 408 678 p	-85 402	-5.7	10.0
Spain	998 051	1 042 722	858 095	1 311 772	1 392 984	81 212	6.2	39.6
EECCA	1 117 553	1 119 745	1 058 676	1 146 528	1 180 657	34 129	3.0	5.6
of which:								
Russian Federation	519 995	503 425	491 879	491 879 r	491 879 r	0	0.0	-5.4
Kazakhstan	196 822	190 686	182 431	214 547	235 204	20 657	9.6	19.5
Belarus	113 227	121 505	103 927	123 062	123 062 r	0	0.0	8.7
North America	23 510 030	22 074 028	22 252 063	27 929 281	29 980 206	2 050 925	7.3	27.5
Canada	2 124 975 e	2 120 396 e	2 006 863 e	2 495 261 e	2 495 261 e	0	0.0	17.4
United States	21 385 055	19 953 632	20 245 200	25 434 020	27 484 945	2 050 925	8.1	28.5

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of household and sanitary papers (ready for use), 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022 Volume	2018 to 2022 %	2018 to 2022 %
EXPORTS								
Europe	6 158 430	6 179 899	6 228 838	5 831 857	7 269 628	1 437 771	24.7	18.0
of which:								
Germany	1 446 603	1 415 324	1 299 567	1 112 912	1 532 677	419 765	37.7	6.0
Italy	928 315	925 863	942 124	911 104	1 224 159	313 055	34.4	31.9
Poland	531 131	557 829	597 123	583 717	644 441	60 724	10.4	21.3
France	604 632	593 142	593 142 r	593 142 r	593 142 r	0	0.0	-1.9
Sweden	396 497	386 305	399 402	416 710	454 396	37 686	9.0	14.6
Spain	230 868	246 889	256 470	292 015	334 746	42 731	14.6	45.0
EECCA	117 857	121 431	121 899	123 650	122 420	-1 230	-1.0	3.9
of which:								
Russian Federation	71 751	71 751 r	71 751 r	71 751 r	71 751 r	0	0.0	0.0
Ukraine	30 785	32 019	32 019 r	32 019 r	30 210	-1 810	-5.7	-1.9
Belarus	5 749	9 467	10 619	14 342	14 342 r	0	0.0	149.5
North America	1 413 508	1 386 314	1 440 910	1 391 401	1 549 278	157 877	11.3	9.6
Canada	512 204	487 437	533 301	565 139	618 648	53 509	9.5	20.8
United States	901 304	898 877	907 609	826 261	930 630	104 369	12.6	3.3
IMPORTS								
Europe	5 588 350	5 509 232	5 632 931	5 196 061	6 345 609	1 149 548	22.1	13.6
of which:								
Germany	985 250	965 676	986 051	730 604	1 057 745	327 141	44.8	7.4
France	638 816	654 839	654 839 r	654 839 r	654 839 r	0	0.0	2.5
United Kingdom	42 625	47 904	70 425	59 919	494 685	434 766	725.6	1060.5
Belgium	389 165	389 165 r	433 475	376 035	426 123	50 088	13.3	9.5
Netherlands	378 645	371 678	381 829	410 368	410 368 r	0	0.0	8.4
Austria	280 008	286 197	251 056	257 627	322 676 p	65 049	25.2	15.2
EECCA	219 030	235 950	230 492	242 433	277 721	35 288	14.6	26.8
of which:								
Russian Federation	74 029	74 029 r	74 029 r	74 029 r	74 029 r	0	0.0	0.0
Kazakhstan	24 689	28 731	25 646	31 175	42 108	10 933	35.1	70.6
Belarus	23 234	26 921	28 947	34 117	34 117 r	0	0.0	46.8
North America	1 998 143	1 943 402	2 321 532	1 999 652	2 242 436	242 784	12.1	12.2
Canada	645 594	651 358	783 585	598 499	684 656	86 157	14.4	6.1
United States	1 352 549	1 292 044	1 537 947	1 401 154	1 557 780	156 626	11.2	15.2

Source: UNECE/FAO TIMBER database, 2023.

Production of wood pellets, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022	
						Volume	%
Europe	17 871	20 277	20 171	20 937	21 845	908	4.3
of which:							
Germany	2 415 n	2 821 n	3 100 n	3 353 n	3 569 n	216	6.4
Latvia	1 575 e	2 209	2 264	2 138	2 138 r	0	0.0
France	1 450 n	1 600 n	1 700 n	1 857 n	2 050 n	193	10.4
Sweden	1 642	1 703	1 660 n	1 755	1 809	54	3.1
Austria	1 345	1 441	1 540	1 607	1 691	84	5.2
Estonia	1 343	1 599	1 600	1 652	1 650	-2	-0.1
EECCA	2 667	3 455	3 866	3 876	3 809	-67	-1.7
of which:							
Russian Federation	1 810 e	2 500 e	2 800 e	2 800 r	2 800 r	0	0.0
Belarus	278	412	557	557 r	557 r	0	0.0
Ukraine	553 e	519	478	497	430 r	-67	-13.5
North America	10 517	11 793	12 242	12 279	13 374	1 095	8.9
Canada	3 048	3 200 e	3 830	3 830 r	3 830 r	0	0.0
United States	7 468	8 593	8 412	8 449	9 544	1 095	13.0

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of wood pellets, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Change 2021 to 2022	
						Volume	%
EXPORTS							
Europe	9 038	10 389	11 134	12 209	11 500	-709	-5.8
of which:							
Latvia	1 666	2 223	2 364	2 509	1 685	-824	-32.8
Denmark	709	1 064	1 445 e	1 445 r	1 445 r	0	0.0
Estonia	1 112	1 126	1 070	1 559	1 378	-181	-11.6
Belgium	298	239	324	497	919 e	423	85.1
Austria	804	818	849	875	749	-127	-14.5
Germany	641	771	811	817	683	-134	-16.4
EECCA	2 170	2 762	3 291	3 260	3 247	-13	-0.4
of which:							
Russian Federation	1 511	1 933	2 294	2 294 r	2 294 r	0	0.0
Belarus	262	378	532	532	532 r	0	0.0
Ukraine	397	451	465	435	414	-21	-4.8
North America	8 669	9 493	10 158	10 676	12 470	1 794	16.8
Canada	2 651	2 634	2 901	3 153	3 493	339	10.8
United States	6 017	6 858	7 257	7 523	8 977	1 455	19.3
IMPORTS							
Europe	17 908	19 858	20 059	21 240	19 697	-1 543	-7.3
of which:							
United Kingdom	7 992	8 878	9 078	9 128	7 516	-1 612	-17.7
Netherlands	327	1 050	2 297	2 657	2 657 r	0	0.0
Denmark	3 341	3 125	2 565 e	2 565 r	2 565 r	0	0.0
Italy	2 186	2 461	1 802	2 124	1 916	-209	-9.8
Belgium	1 137	979	1 121	868	1 022	154	17.7
France	277	408	412	664	775	111	16.8
EECCA	12	16	10	16	19	2	14.6
of which:							
Ukraine	0	0	0	5	7	2	30.0
Belarus	6	12	4	4	4 r	0	0.0
Kazakhstan	2 e	1 e	1 e	3	3	0	13.8
North America	241	239	233	225	225	0	0.0
Canada	20	27	29	29 e	31 e	1	5.0
United States	221	212	205	196	194	-2	-0.8

Source: UNECE/FAO TIMBER database, 2023.

Exports and imports of wood pellets, 2018 - 2022 (\$1,000)

	2018	2019	2020	2021	2022	Change 2021 to 2022	
						Volume	%
EXPORTS							
Europe	1 772 849	1 974 857	2 055 119	2 220 847	2 784 503	563 657	25.4
of which:							
Latvia	255 140	342 447	372 474	411 521	372 212	-39 309	-9.6
Estonia	183 307	185 541	183 553	253 401	309 134	55 733	22.0
Austria	202 615	194 084	192 417	205 088	289 471	84 382	41.1
Germany	175 703	191 871	191 387	176 356	257 593	81 237	46.1
Denmark	127 886	193 609	242 850 e	242 850 r	242 850 r	0	0.0
Belgium	66 629	59 866	71 184	92 707	171 586	78 879	85.1
EECCA	269 503	371 815	408 338	410 878	459 946	49 068	11.9
of which:							
Russian Federation	186 166	266 319	290 317	290 317 r	290 317 r	0	0.0
Ukraine	48 911	55 221	54 202	56 741	103 358	46 617	82.2
Belarus	34 398	50 272	63 812	63 812	63 812 r	0	0.0
North America	1 187 617	1 319 518	1 387 372	1 488 853	2 077 787	588 934	39.6
Canada	377 762	376 891	405 779	429 592	532 378	102 786	23.9
United States	809 855	942 627	981 593	1 059 261	1 545 409	486 148	45.9
IMPORTS							
Europe	3 402 521	3 765 211	3 684 500	3 995 947	4 573 893	577 946	14.5
of which:							
United Kingdom	1 489 482	1 669 885	1 716 946	1 781 215	1 630 626	-150 588	-8.5
Italy	482 889	570 412	374 726	472 666	714 530	241 864	51.2
Netherlands	69 651	177 561	412 050	483 530	483 530 r	0	0.0
Denmark	610 603	541 764	425 362 e	425 362 r	425 362 r	0	0.0
France	72 415	106 173	97 962	151 487	270 640	119 154	78.7
Belgium	192 123	175 394	200 565	142 640	268 280	125 640	88.1
EECCA	3 408	3 075	2 575	3 380	3 955	576	17.0
of which:							
Russian Federation	1 834	1 226	1 226 r	1 226 r	1 226 r	0	0.0
Ukraine	4	8	0	736	1 049	313	42.5
Belarus	692	1 319	586	586	586 r	0	0.0
North America	50 111	53 091	55 796	58 427	61 394	2 967	5.1
Canada	8 719	10 768	13 678	15 430	14 606	-824	-5.3
United States	41 392	42 323	42 118	42 997	46 788	3 791	8.8

Source: UNECE/FAO TIMBER database, 2023.

Wood pellet balance in UNECE, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	Committee estimate for 2023 a/
Europe						
Production	17 871	20 277	20 171	20 937	21 845	22 433
Imports	17 908	19 858	20 059	21 240	19 697	19 964
Exports	9 038	10 389	11 134	12 209	11 500	11 836
Net trade	-8 870	-9 468	-8 924	-9 031	-8 197	-8 128
Apparent consumption	26 741	29 745	29 095	29 969	30 042	30 561
EECCA						
Production	2 667	3 455	3 866	3 876	3 809	3 809
Imports	12	16	10	16	19	19
Exports	2 170	2 762	3 291	3 260	3 247	3 247
Net trade	2 157	2 745	3 281	3 244	3 229	3 229
Apparent consumption	510	710	585	632	580	580
North America						
Production	10 517	11 793	12 242	12 279	13 374	13 317
Imports	241	239	233	225	225	227
Exports	8 669	9 493	10 158	10 676	12 470	12 660
Net trade	8 428	9 254	9 924	10 451	12 245	12 433
Apparent consumption	2 089	2 539	2 318	1 828	1 129	884
UNECE region						
Production	31 055	35 525	36 279	37 092	39 028	39 559
Imports	18 162	20 113	20 302	21 482	19 941	20 209
Exports	19 877	22 643	24 582	26 145	27 217	27 744
Net trade	1 715	2 531	4 281	4 664	7 276	7 534
Apparent consumption	29 340	32 994	31 998	32 428	31 752	32 025

Note: a/ The Committee on Forests and the Forest Industry's forecast trend for 2022 to 2023, made at the November 2020 session, was applied to the 2022 figure.

Source: UNECE/FAO TIMBER database, 2023.

Industrial roundwood apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	441 180	432 648	415 170	443 073	431 621	678.4	-2.6	-2.2
Albania	151	147	138	159	159	56.5	0.0	5.4
Austria	23 114	23 022	23 132	23 331	21 146	2 361.2	-9.4	-8.5
Belgium	6 682	6 233	6 495	6 606	7 112	613.9	7.7	6.4
Bosnia and Herzegovina	3 085	3 028	2 931	2 809	2 809	813.5	0.0	-8.9
Bulgaria	3 408	3 310	2 944	3 157	3 346	486.5	6.0	-1.8
Croatia	3 147	3 129	2 892	2 671	2 715	687.4	1.6	-13.7
Cyprus	5	11	8	3	7	7.7	111.9	31.1
Czechia	14 556	13 871	9 525	9 525	9 525	897.8	0.0	-34.6
Denmark	1 897	1 699	1 699	1 699	1 699	290.1	0.0	-10.4
Estonia	4 813	4 634	5 832	5 329	5 680	4 267.6	6.6	18.0
Finland	65 994	60 531	56 302	63 030	57 428	10 364.1	-8.9	-13.0
France	22 798	22 831	21 425	23 051	23 185	342.1	0.6	1.7
Germany	56 420	52 526	51 466	53 691	52 261	628.2	-2.7	-7.4
Greece	474	427	444	444	444	42.0	0.0	-6.3
Hungary	2 844	2 542	1 989	1 989	1 989	204.8	0.0	-30.1
Iceland	7	2	2	2	2	5.2	0.0	-70.5
Ireland	3 837	3 936	3 499	3 494	3 494	694.3	0.0	-8.9
Israel	40	47	47	47	47	5.0	0.0	17.9
Italy	5 974	10 052	7 257	7 768	7 506	126.9	-3.4	25.7
Latvia	9 319	10 063	11 495	11 692	11 251	5 970.4	-3.8	20.7
Liechtenstein	8	5	5	5	5	120.4	0.0	-42.1
Lithuania	3 340	3 254	2 859	3 488	3 488	1 245.3	0.0	4.4
Luxembourg	800	478	721	798	726	1 134.7	-9.0	-9.2
Malta	0	0	0	0	0	0.1	0.0	77.3
Montenegro	1 028	785	798	798	798	1 289.4	0.0	-22.4
Netherlands	511	527	525	520	520	29.7	0.0	1.7
North Macedonia	179	143	143	134	197	107.0	46.9	9.8
Norway	7 747	7 793	7 019	7 928	7 632	1 411.2	-3.7	-1.5
Poland	37 096	35 409	34 439	37 352	37 643	997.2	0.8	1.5
Portugal	13 555	13 878	13 142	14 335	14 895	1 442.6	3.9	9.9
Romania	11 610	11 067	13 154	13 394	12 793	669.0	-4.5	10.2
Serbia	1 404	1 782	1 789	1 630	1 492	218.3	-8.5	6.3
Slovakia	8 249	8 180	6 630	7 501	7 722	1 417.5	2.9	-6.4
Slovenia	1 966	2 229	2 165	2 229	2 451	1 162.9	10.0	24.7
Spain	14 516	14 124	12 715	13 131	13 127	276.9	0.0	-9.6
Sweden	76 436	76 934	75 169	76 428	75 511	7 249.6	-1.2	-1.2
Switzerland	2 640	2 145	2 298	2 592	2 634	302.6	1.6	-0.3
Turkey	22 508	22 691	23 317	31 128	29 939	359.0	-3.8	33.0
United Kingdom	9 023	9 183	8 760	9 186	8 243	124.0	-10.3	-8.6
EECCA	226 378	213 324	211 914	211 332	211 211	733.9	-0.1	-6.7
Armenia	3	2	2	3	1	0.3	-65.1	-70.5
Azerbaijan	4	4	4	4	3	0.3	-20.6	-15.4
Belarus	16 269	15 737	16 434	16 434	16 434	1 766.6	0.0	1.0
Georgia	192	216	218	231	225	60.7	-2.6	17.2
Kazakhstan	193	271	309	427	390	21.1	-8.7	102.0
Kyrgyzstan	11	123	-26	40	55	8.2	37.6	389.5
Republic of Moldova	46	43	45	37	61	23.4	64.7	31.7
Russian Federation	200 377	187 342	185 621	185 621	185 621	1 293.5	0.0	-7.4
Tajikistan	16	2	3	3	3	0.3	0.0	-82.4
Turkmenistan	0	0	0	0	0	0.1	0.0	-0.2
Ukraine	8 996	9 308	9 003	8 267	8 290	201.2	0.3	-7.8
Uzbekistan	270	276	301	265	128	3.7	-51.8	-52.6
North America	534 285	517 736	502 577	516 838	519 295	1 403.0	0.5	-2.8
Canada	152 268	137 015	139 438	143 061	143 231	3 746.9	0.1	-5.9
United States	382 018	380 721	363 139	373 777	376 064	1 133.1	0.6	-1.6

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Sawn softwood apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	99 018	97 917	97 791	103 428	96 013	150.9	-7.2	-3.0
Albania	56	80	69	107	107	38.0	0.0	91.1
Austria	6 172	5 955	6 131	6 547	6 159	687.7	-5.9	-0.2
Belgium	1 850	2 796	3 047	1 072	1 289	111.2	20.2	-30.3
Bosnia and Herzegovina	72	39	36	32	32	9.3	0.0	-55.5
Bulgaria	494	496	503	528	607	88.3	15.1	22.8
Croatia	322	307	273	344	167	42.3	-51.4	-48.2
Cyprus	34	37	29	32	33	37.0	2.6	-2.7
Czechia	1 300	1 718	1 859	1 859	1 859	175.3	0.0	43.0
Denmark	2 192	2 383	2 383	2 383	2 383	406.9	0.0	8.7
Estonia	1 975	1 941	1 973	2 386	2 068	1 553.7	-13.3	4.7
Finland	3 701	2 967	3 252	3 732	2 946	531.7	-21.0	-20.4
France	8 385	8 097	7 832	9 043	8 719	128.7	-3.6	4.0
Germany	19 508	19 286	20 583	20 101	17 295	207.9	-14.0	-11.3
Greece	262	284	250	250	250	23.6	0.0	-4.5
Hungary	815	912	910	910	910	93.7	0.0	11.6
Iceland	56	50	40	38	38	102.0	0.0	-32.1
Ireland	492	492	744	738	738	146.6	0.0	49.9
Israel	439	378	378	378	378	40.3	0.0	-13.9
Italy	4 694	5 064	3 519	4 355	5 450	92.2	25.1	16.1
Latvia	1 506	991	1 382	1 957	1 564	830.0	-20.1	3.9
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	962	1 032	890	1 217	1 217	434.6	0.0	26.6
Luxembourg	105	73	55	55	71	111.1	28.4	-32.5
Malta	6	7	7	7	7	12.8	0.0	7.0
Montenegro	12	33	17	17	17	28.1	0.0	48.2
Netherlands	2 574	2 388	2 631	3 036	3 036	173.2	0.0	17.9
North Macedonia	32	29	48	30	27	14.5	-12.0	-17.2
Norway	2 934	2 919	2 851	3 194	2 674	494.5	-16.3	-8.8
Poland	4 562	4 691	4 460	4 857	5 000	132.5	2.9	9.6
Portugal	793	673	743	639	696	67.4	8.9	-12.3
Romania	3 316	3 301	3 518	3 263	3 591	187.8	10.1	8.3
Serbia	370	380	401	379	367	53.7	-3.2	-0.8
Slovakia	808	708	595	563	847	155.6	50.5	4.8
Slovenia	518	602	704	627	708	335.7	12.9	36.5
Spain	3 394	3 279	2 436	2 616	2 841	59.9	8.6	-16.3
Sweden	6 440	6 498	5 023	6 994	5 709	548.1	-18.4	-11.3
Switzerland	1 213	1 183	1 219	1 281	1 281	147.2	0.0	5.6
Turkey	6 627	6 197	7 222	6 903	6 541	78.4	-5.2	-1.3
United Kingdom	10 027	9 653	9 780	10 960	8 390	126.2	-23.4	-16.3
EECCA	15 572	15 844	13 896	13 736	15 035	52.2	9.5	-3.4
Armenia	40	47	22	202	284	96.0	40.6	603.9
Azerbaijan	1 034	972	951	909	823	82.0	-9.4	-20.4
Belarus	499	1 127	448	448	448	48.1	0.0	-10.3
Georgia	90	54	43	15	26	7.1	78.8	-70.7
Kazakhstan	167	286	501	321	322	17.4	0.1	93.0
Kyrgyzstan	160	160	169	174	181	27.1	4.4	13.0
Republic of Moldova	203	216	221	227	227	86.6	0.0	11.4
Russian Federation	9 548	9 834	9 127	9 127	9 127	63.6	0.0	-4.4
Tajikistan	683	132	79	79	79	8.6	0.0	-88.4
Turkmenistan	52	59	59	59	59	11.6	0.0	14.2
Ukraine	349	296	-388	-28	1 202	29.2	...	244.3
Uzbekistan	2 746	2 662	2 664	2 203	2 256	64.6	2.4	-17.8
North America	99 458	96 271	99 902	102 045	100 800	272.3	-1.2	1.3
Canada	17 514	14 009	13 784	14 228	12 876	336.8	-9.5	-26.5
United States	81 944	82 261	86 118	87 817	87 925	264.9	0.1	7.3

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Sawn hardwood apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	14 095	14 488	12 792	14 154	12 926	20.5	-8.7	-8.3
Albania	47	50	57	51	51	18.2	0.0	8.1
Austria	200	252	206	186	308	34.3	65.4	53.6
Belgium	208	508	152	195	334	28.8	71.0	60.9
Bosnia and Herzegovina	900	899	731	791	791	229.2	0.0	-12.0
Bulgaria	112	119	70	71	99	14.5	40.8	-11.2
Croatia	380	376	279	57	0	-0.1	...	...
Cyprus	9	13	7	6	11	12.6	78.2	21.4
Czechia	357	307	338	338	338	31.8	0.0	-5.5
Denmark	548	827	827	827	827	141.2	0.0	51.0
Estonia	108	131	181	240	232	174.1	-3.5	113.7
Finland	57	48	47	76	84	15.2	10.1	48.8
France	1 086	1 009	940	995	918	13.6	-7.7	-15.4
Germany	772	912	709	823	727	8.7	-11.7	-5.9
Greece	64	66	63	63	63	5.9	0.0	-2.1
Hungary	312	281	53	53	53	5.4	0.0	-83.2
Iceland	5	5	5	5	5	13.4	0.0	0.0
Ireland	29	29	28	28	28	5.5	0.0	-3.0
Israel	154	124	124	124	124	13.3	0.0	-19.0
Italy	1 221	1 146	983	1 023	961	16.3	-6.0	-21.3
Latvia	278	207	172	235	82	43.5	-65.1	-70.5
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	384	401	273	286	286	102.0	0.0	-25.5
Luxembourg	45	51	29	48	96	150.6	100.8	116.6
Malta	7	7	7	7	7	13.3	0.0	6.1
Montenegro	-21	-24	-23	-23	-23	-37.8	...	...
Netherlands	392	341	314	309	309	17.6	0.0	-21.2
North Macedonia	6	6	4	4	1	0.4	-80.6	-88.1
Norway	21	15	15	20	25	4.6	26.9	19.5
Poland	714	641	515	512	521	13.8	1.7	-27.1
Portugal	185	226	217	271	268	25.9	-1.3	44.7
Romania	1 110	1 137	1 163	489	152	7.9	-69.0	-86.3
Serbia	200	206	141	185	172	25.2	-7.0	-14.0
Slovakia	308	314	269	225	235	43.1	4.2	-23.9
Slovenia	123	117	121	121	108	51.1	-10.9	-12.3
Spain	624	581	587	520	518	10.9	-0.4	-16.9
Sweden	120	134	111	112	142	13.7	27.3	19.0
Switzerland	81	84	78	78	78	9.0	0.0	-3.2
Turkey	2 343	2 315	2 446	4 288	3 369	40.4	-21.4	43.8
United Kingdom	608	627	555	516	627	9.4	21.7	3.2
EECCA	1 791	2 082	1 734	1 779	1 626	6.7	-8.6	-9.2
Armenia	0	3	0	26	-5	-1.6	...	...
Azerbaijan	25	6	4	7	9	0.9	23.9	-63.3
Belarus	154	181	93	93	93	10.0	0.0	-39.9
Georgia	38	7	48	19	34	9.1	79.8	-12.5
Kazakhstan	27	36	53	25	31	1.7	24.2	13.7
Kyrgyzstan	106	12	0	0	0	0.0	-44.3	-99.9
Republic of Moldova	18	13	12	15	15	5.9	0.0	-15.9
Russian Federation	1 285	1 618	1 341	1 341	1 341	9.3	0.0	4.4
Tajikistan	2	4	2	2	2	0.2	0.0	8.7
Turkmenistan	0	0	0	0	0	0.0	0.0	215.4
Ukraine	86	144	138	195	-122	-3.0	...	...
Uzbekistan	49	58	43	56	228	6.5	305.4	367.2
North America	20 639	20 805	15 040	15 504	15 847	42.8	2.2	-23.2
Canada	1 498	1 313	1 233	1 195	1 200	31.4	0.4	-19.9
United States	19 140	19 492	13 806	14 310	14 647	44.1	2.4	-23.5

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Wood based panels apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	75 797	74 877	71 980	79 730	77 836	122.3	-2.4	2.7
Albania	53	55	82	74	74	26.2	0.0	39.0
Austria	1 654	1 405	1 435	1 652	1 607	179.4	-2.7	-2.8
Belgium	1 404	1 636	1 046	304	1 166	100.6	283.8	-17.0
Bosnia and Herzegovina	301	297	307	359	359	104.1	0.0	19.5
Bulgaria	991	887	870	789	937	136.3	18.8	-5.4
Croatia	319	334	374	285	326	82.5	14.4	2.2
Cyprus	96	94	96	90	95	105.0	4.9	-1.2
Czechia	793	1 024	1 058	1 058	1 058	99.7	0.0	33.4
Denmark	894	1 025	1 025	1 025	1 025	174.9	0.0	14.6
Estonia	445	384	378	416	393	295.4	-5.5	-11.6
Finland	659	622	646	619	607	109.5	-2.0	-7.9
France	4 978	4 173	3 447	5 234	4 675	69.0	-10.7	-6.1
Germany	12 231	12 277	12 693	13 206	11 753	141.3	-11.0	-3.9
Greece	730	739	755	755	755	71.5	0.0	3.6
Hungary	1 121	1 013	936	936	936	96.4	0.0	-16.6
Iceland	37	33	22	22	22	59.1	0.0	-40.5
Ireland	373	373	443	345	345	68.6	0.0	-7.3
Israel	602	593	593	593	593	63.3	0.0	-1.5
Italy	6 187	6 647	5 384	5 422	6 314	106.8	16.5	2.1
Latvia	287	328	354	468	456	242.1	-2.5	58.9
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	1 528	1 567	1 650	1 883	1 883	672.5	0.0	23.3
Luxembourg	91	108	152	-120	111	174.2	...	23.1
Malta	41	26	26	26	26	49.7	0.0	-36.9
Montenegro	37	39	33	33	33	53.8	0.0	-10.8
Netherlands	1 576	1 429	1 551	1 691	1 691	96.5	0.0	7.3
North Macedonia	214	235	141	132	128	69.9	-2.4	-39.9
Norway	752	708	663	759	666	123.2	-12.2	-11.4
Poland	11 415	11 813	11 481	13 574	11 526	305.4	-15.1	1.0
Portugal	1 267	1 257	1 185	1 207	1 296	125.6	7.5	2.3
Romania	2 332	2 375	2 194	2 708	2 334	122.1	-13.8	0.1
Serbia	587	512	571	629	527	77.1	-16.2	-10.2
Slovakia	875	844	893	863	478	87.8	-44.6	-45.4
Slovenia	286	281	261	287	286	135.7	-0.2	-0.1
Spain	3 260	3 210	3 043	3 966	4 034	85.1	1.7	23.7
Sweden	1 653	1 662	1 660	1 718	1 736	166.7	1.1	5.0
Switzerland	885	699	683	862	801	92.0	-7.1	-9.5
Turkey	8 208	7 712	8 038	8 923	10 636	127.6	19.2	29.6
United Kingdom	6 634	6 461	5 810	6 937	6 144	92.5	-11.4	-7.4
EECCA	20 846	20 399	19 733	20 799	20 294	70.5	-2.4	-2.6
Armenia	112	119	106	162	175	59.1	8.2	55.8
Azerbaijan	427	497	459	525	528	52.5	0.4	23.7
Belarus	2 232	2 008	1 778	1 778	1 778	191.1	0.0	-20.3
Georgia	286	314	210	191	210	56.6	9.7	-26.5
Kazakhstan	981	847	800	1 041	983	53.1	-5.6	0.2
Kyrgyzstan	193	238	366	185	194	28.9	4.5	0.1
Republic of Moldova	153	168	172	174	174	66.5	0.0	13.5
Russian Federation	11 519	11 023	10 922	10 922	10 922	76.1	0.0	-5.2
Tajikistan	120	196	196	196	196	21.2	0.0	62.6
Turkmenistan	106	60	60	60	60	11.8	0.0	-42.9
Ukraine	3 197	3 065	3 013	3 758	3 033	73.6	-19.3	-5.1
Uzbekistan	1 520	1 862	1 650	1 806	2 041	58.5	13.0	34.3
North America	53 177	54 253	53 657	57 287	54 352	146.8	-5.1	2.2
Canada	5 245	7 468	6 172	7 061	6 416	167.8	-9.1	22.3
United States	47 932	46 785	47 485	50 225	47 936	144.4	-4.6	0.0

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Plywood apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	9 476	9 149	8 805	9 882	9 161	14.4	-7.3	-3.3
Albania	2	2	3	3	3	1.0	0.0	76.3
Austria	224	65	103	94	81	9.1	-13.6	-63.8
Belgium	219	227	286	218	240	20.7	10.3	9.6
Bosnia and Herzegovina	22	21	25	28	28	8.1	0.0	29.7
Bulgaria	79	79	67	65	67	9.7	3.4	-15.1
Croatia	35	36	28	29	69	17.5	136.6	97.0
Cyprus	15	21	17	13	14	16.0	13.3	-1.9
Czechia	154	151	182	182	182	17.1	0.0	17.8
Denmark	236	235	235	235	235	40.1	0.0	-0.6
Estonia	145	103	85	104	145	109.2	39.5	0.1
Finland	326	290	289	296	297	53.6	0.3	-8.8
France	623	626	658	648	589	8.7	-9.0	-5.5
Germany	1 345	1 222	1 164	1 198	1 073	12.9	-10.4	-20.2
Greece	85	69	63	63	63	6.0	0.0	-25.0
Hungary	84	91	71	71	71	7.3	0.0	-15.7
Iceland	10	8	5	5	5	13.4	0.0	-50.0
Ireland	57	57	83	56	56	11.2	0.0	-0.2
Israel	323	305	305	305	305	32.6	0.0	-5.4
Italy	637	704	474	647	708	12.0	9.5	11.3
Latvia	96	64	50	65	68	36.0	4.4	-29.5
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	124	123	117	142	142	50.6	0.0	14.0
Luxembourg	29	19	8	13	33	51.3	156.3	13.3
Malta	16	10	10	10	10	18.9	0.0	-40.0
Montenegro	6	5	4	4	4	7.2	0.0	-19.2
Netherlands	538	521	546	600	600	34.2	0.0	11.5
North Macedonia	27	28	8	7	9	4.9	22.2	-66.8
Norway	127	133	139	116	101	18.8	-12.6	-19.9
Poland	633	602	590	773	804	21.3	4.0	27.1
Portugal	83	210	185	229	179	17.3	-21.9	116.6
Romania	45	207	216	256	213	11.1	-16.8	377.1
Serbia	21	30	36	42	40	5.9	-4.8	90.5
Slovakia	415	395	364	342	67	12.3	-80.4	-83.9
Slovenia	62	78	61	76	95	44.9	24.3	51.4
Spain	406	423	408	437	347	7.3	-20.5	-14.6
Sweden	285	308	294	247	278	26.7	12.5	-2.4
Switzerland	205	202	201	205	205	23.6	0.0	0.3
Turkey	221	111	147	572	656	7.9	14.7	196.8
United Kingdom	1 519	1 367	1 280	1 486	1 077	16.2	-27.5	-29.1
EECCA	1 931	1 901	1 683	1 803	1 754	6.1	-2.7	-9.1
Armenia	6	8	9	12	15	5.0	24.3	142.5
Azerbaijan	105	95	104	75	84	8.3	11.7	-20.2
Belarus	90	91	62	62	62	6.6	0.0	-31.5
Georgia	60	49	42	36	46	12.5	28.9	-23.0
Kazakhstan	64	61	59	203	176	9.5	-13.4	176.0
Kyrgyzstan	25	19	18	11	17	2.6	58.3	-32.3
Republic of Moldova	8	6	8	10	10	3.7	0.0	27.8
Russian Federation	1 391	1 388	1 215	1 215	1 215	8.5	0.0	-12.6
Tajikistan	3	11	11	11	11	1.2	0.0	289.0
Turkmenistan	8	11	11	11	11	2.1	0.0	33.8
Ukraine	118	112	94	106	45	1.1	-57.3	-61.6
Uzbekistan	53	50	50	51	62	1.8	22.1	17.2
North America	17 442	16 706	17 735	19 501	16 912	45.7	-13.3	-3.0
Canada	2 571	2 673	2 304	2 470	2 170	56.8	-12.1	-15.6
United States	14 870	14 033	15 432	17 031	14 742	44.4	-13.4	-0.9

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Particle board apparent consumption (excluding OSB), 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	36 556	36 065	33 861	40 009	38 763	60.9	-3.1	6.0
Albania	40	36	35	40	40	14.4	0.0	0.6
Austria	816	751	719	868	922	102.9	6.2	13.0
Belgium	578	594	707	254	1 297	111.9	410.0	124.4
Bosnia and Herzegovina	164	168	166	197	197	56.9	0.0	20.2
Bulgaria	660	570	554	487	612	89.0	25.6	-7.2
Croatia	185	186	223	153	177	44.7	15.2	-4.6
Cyprus	43	42	43	47	49	54.8	5.1	13.8
Czechia	233	188	236	236	236	22.3	0.0	1.4
Denmark	412	472	472	472	472	80.6	0.0	14.4
Estonia	181	180	174	195	123	92.4	-37.1	-32.2
Finland	148	144	144	106	115	20.7	8.4	-22.2
France	2 721	1 985	1 518	2 872	2 591	38.2	-9.8	-4.8
Germany	5 956	5 886	5 825	6 046	5 572	67.0	-7.8	-6.4
Greece	435	458	470	470	470	44.5	0.0	8.1
Hungary	510	357	318	318	318	32.8	0.0	-37.5
Iceland	15	11	7	6	6	17.3	0.0	-57.2
Ireland	101	101	88	105	105	20.8	0.0	4.3
Israel	83	100	100	100	100	10.7	0.0	20.7
Italy	3 537	3 607	3 080	3 182	3 286	55.6	3.3	-7.1
Latvia	112	150	182	204	163	86.2	-20.5	45.0
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	1 119	1 134	1 213	1 382	1 382	493.5	0.0	23.6
Luxembourg	16	6	22	38	39	60.6	1.5	147.8
Malta	11	10	10	10	10	18.7	0.0	-10.4
Montenegro	17	18	19	19	19	30.4	0.0	9.3
Netherlands	418	358	375	446	446	25.4	0.0	6.6
North Macedonia	129	150	74	69	68	37.2	-0.7	-47.0
Norway	186	206	150	224	197	36.5	-12.1	5.9
Poland	6 397	6 863	6 640	7 601	5 912	156.6	-22.2	-7.6
Portugal	676	691	560	458	537	52.0	17.3	-20.5
Romania	818	891	782	920	849	44.4	-7.7	3.8
Serbia	372	320	349	420	373	54.6	-11.2	0.3
Slovakia	184	171	238	182	352	64.5	92.7	90.5
Slovenia	158	150	143	155	137	64.8	-12.1	-13.2
Spain	1 599	1 621	1 586	2 530	2 624	55.3	3.7	64.1
Sweden	925	975	950	1 046	1 055	101.3	0.9	14.0
Switzerland	259	272	251	286	263	30.2	-8.0	1.4
Turkey	3 544	3 549	3 234	5 135	5 044	60.5	-1.8	42.3
United Kingdom	2 798	2 695	2 203	2 727	2 605	39.2	-4.5	-6.9
EECCA	10 698	9 868	9 810	10 576	10 267	35.7	-2.9	-4.0
Armenia	65	68	58	78	73	24.7	-5.7	13.2
Azerbaijan	208	199	187	241	233	23.2	-3.1	11.9
Belarus	794	437	512	512	512	55.0	0.0	-35.6
Georgia	149	149	142	145	148	40.0	2.3	-0.7
Kazakhstan	604	464	436	491	472	25.5	-4.0	-21.9
Kyrgyzstan	64	46	194	49	53	7.9	8.5	-16.9
Republic of Moldova	84	93	93	93	93	35.6	0.0	10.3
Russian Federation	5 827	5 407	5 291	5 291	5 291	36.9	0.0	-9.2
Tajikistan	...	136	139	139	139	15.1	0.0	...
Turkmenistan	57	18	18	18	18	3.6	0.0	-67.7
Ukraine	2 070	2 001	1 959	2 687	2 356	57.2	-12.3	13.8
Uzbekistan	701	850	781	833	880	25.2	5.6	25.6
North America	5 207	6 688	6 373	6 591	6 559	17.7	-0.5	26.0
Canada	23	1 292	1 137	1 481	1 467	38.4	-0.9	6264.5
United States	5 184	5 396	5 236	5 110	5 091	15.3	-0.4	-1.8

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

OSB apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	6 888	6 875	6 937	7 217	6 219	9.8	-13.8	-9.7
Albania	1	1	2	2	2	0.7	0.0	203.6
Austria	168	159	177	186	205	22.9	10.1	22.3
Belgium	333	358	421	585	36	3.1	-93.8	-89.1
Bosnia and Herzegovina	12	4	14	14	14	3.9	0.0	16.1
Bulgaria	147	126	122	175	189	27.5	7.6	28.4
Croatia	34	37	41	35	40	10.2	15.3	18.2
Cyprus	17	15	20	15	11	12.0	-28.6	-35.0
Czechia	229	550	357	357	357	33.6	0.0	56.0
Denmark	49	56	56	56	56	9.5	0.0	12.8
Estonia	39	38	44	43	55	41.0	25.4	38.9
Finland	45	43	49	47	56	10.1	18.9	24.7
France	469	469	495	568	427	6.3	-24.7	-8.8
Germany	1 566	1 430	1 579	1 485	1 316	15.8	-11.4	-15.9
Greece	13	12	12	12	12	1.1	0.0	-10.9
Hungary	143	136	121	121	121	12.5	0.0	-15.5
Iceland	0	2	2	2	2	4.2	0.0	...
Ireland	47	47	57	59	59	11.8	0.0	26.0
Israel	24	18	18	18	18	1.9	0.0	-25.6
Italy	304	266	302	247	352	6.0	42.9	16.1
Latvia	45	86	88	181	192	101.9	6.3	330.6
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	73	72	92	72	72	25.7	0.0	-0.7
Luxembourg	12	51	76	-187	-60	-94.5	...	...
Malta	0	0	0	0	0	0.1	0.0	7.1
Montenegro	3	3	3	3	3	5.1	0.0	0.0
Netherlands	143	132	168	192	192	10.9	0.0	34.1
North Macedonia	2	5	3	2	3	1.6	16.2	29.4
Norway	106	55	55	49	40	7.4	-17.4	-62.1
Poland	699	698	666	802	639	16.9	-20.3	-8.6
Portugal	32	30	34	31	46	4.5	47.8	45.1
Romania	723	571	426	588	591	30.9	0.5	-18.3
Serbia	74	50	62	44	40	5.9	-9.1	-45.9
Slovakia	81	79	91	91	48	8.7	-47.9	-41.3
Slovenia	26	29	34	33	31	14.7	-6.8	20.8
Spain	30	25	11	15	25	0.5	64.3	-14.7
Sweden	166	119	140	116	94	9.0	-18.9	-43.2
Switzerland	93	81	81	95	95	10.9	0.0	1.6
Turkey	217	209	170	137	108	1.3	-21.2	-50.3
United Kingdom	726	814	851	925	733	11.0	-20.8	1.0
EECCA	1 959	1 823	2 049	2 036	1 908	6.6	-6.3	-2.6
Armenia	1	1	2	2	2	0.7	23.4	145.6
Azerbaijan	1	1	1	2	2	0.2	8.5	75.3
Belarus	68	90	59	59	59	6.3	0.0	-12.8
Georgia	7	7	8	5	9	2.4	60.7	32.1
Kazakhstan	75	65	58	57	30	1.6	-47.9	-60.5
Kyrgyzstan	21	43	48	31	41	6.1	30.0	90.8
Republic of Moldova	27	34	34	34	34	12.8	0.0	23.7
Russian Federation	1 464	1 344	1 615	1 615	1 615	11.3	0.0	10.3
Tajikistan	1	4	0	0	0	0.0	0.0	-96.4
Turkmenistan	3	0	0	0	0	0.0	0.0	-97.0
Ukraine	288	230	224	224	110	2.7	-50.9	-61.8
Uzbekistan	3	4	2	7	7	0.2	1.2	136.5
North America	20 150	20 747	20 084	21 440	21 200	57.3	-1.1	5.2
Canada	1 286	2 082	1 510	1 619	1 542	40.3	-4.8	19.8
United States	18 864	18 665	18 573	19 821	19 658	59.2	-0.8	4.2

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Fiberboard apparent consumption, 2018 - 2022 (1,000 m3)

	2018	2019	2020	2021	2022	m3 per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	22 877	22 788	22 377	22 621	23 693	37.9	4.7	3.6
Albania	11	17	43	28	28	10.1	0.0	169.2
Austria	446	430	436	504	399	44.5	-20.9	-10.6
Belgium	275	457	-367	-753	-407	-35.1	...	...
Bosnia and Herzegovina	104	105	102	121	121	35.1	0.0	16.5
Bulgaria	105	112	127	61	69	10.1	13.1	-34.0
Croatia	64	75	82	67	40	10.1	-40.7	-38.3
Cyprus	21	17	15	15	20	22.2	30.5	-5.1
Czechia	177	135	283	283	283	26.7	0.0	59.8
Denmark	196	262	262	262	262	44.8	0.0	33.5
Estonia	79	62	74	73	70	52.7	-3.7	-11.3
Finland	140	146	164	170	139	25.0	-18.4	-1.3
France	1 165	1 094	777	1 146	1 068	15.8	-6.8	-8.3
Germany	3 365	3 740	4 126	4 477	3 791	45.6	-15.3	12.7
Greece	196	200	210	210	210	19.9	0.0	6.9
Hungary	385	429	426	426	426	43.9	0.0	10.7
Iceland	12	12	8	9	9	24.2	0.0	-25.0
Ireland	168	168	215	125	125	24.8	0.0	-26.0
Israel	172	170	170	170	170	18.1	0.0	-1.6
Italy	1 710	2 070	1 529	1 346	1 967	33.3	46.1	15.0
Latvia	34	28	35	18	34	18.0	89.8	-1.0
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	213	238	229	288	288	102.7	0.0	35.2
Luxembourg	34	31	46	16	100	156.7	532.6	191.7
Malta	14	6	6	6	6	12.1	0.0	-54.3
Montenegro	11	14	7	7	7	11.1	0.0	-40.0
Netherlands	477	418	463	454	454	25.9	0.0	-4.9
North Macedonia	56	51	56	53	48	26.3	-8.8	-13.5
Norway	334	315	319	370	328	60.6	-11.5	-1.8
Poland	3 686	3 650	3 586	4 398	4 171	110.5	-5.2	13.2
Portugal	477	326	406	489	534	51.8	9.4	12.1
Romania	746	706	770	943	681	35.6	-27.8	-8.7
Serbia	120	112	124	123	74	10.8	-39.8	-38.3
Slovakia	195	198	200	248	12	2.3	-95.0	-93.7
Slovenia	41	24	23	22	24	11.3	9.4	-41.4
Spain	1 225	1 140	1 038	984	1 038	21.9	5.4	-15.3
Sweden	277	260	275	309	309	29.7	0.2	11.5
Switzerland	327	144	151	276	237	27.3	-13.9	-27.4
Turkey	4 226	3 843	4 487	3 079	4 828	57.9	56.8	14.2
United Kingdom	1 591	1 586	1 475	1 799	1 730	26.0	-3.8	8.7
EECCA	6 257	6 808	6 191	6 384	6 364	22.1	-0.3	1.7
Armenia	41	42	38	71	85	28.7	20.4	108.4
Azerbaijan	112	202	167	208	208	20.8	0.3	86.5
Belarus	1 280	1 391	1 146	1 146	1 146	123.2	0.0	-10.5
Georgia	69	109	18	5	6	1.7	34.0	-91.1
Kazakhstan	238	257	246	290	306	16.5	5.5	28.2
Kyrgyzstan	83	131	107	94	83	12.4	-12.2	-0.2
Republic of Moldova	34	36	37	37	37	14.3	0.0	9.9
Russian Federation	2 837	2 884	2 802	2 802	2 802	19.5	0.0	-1.2
Tajikistan	...	46	46	46	46	4.9	0.0	...
Turkmenistan	38	31	31	31	31	6.1	0.0	-18.5
Ukraine	720	722	736	741	523	12.7	-29.5	-27.5
Uzbekistan	763	958	817	915	1 092	31.3	19.4	43.0
North America	10 378	10 112	9 465	9 754	9 681	26.2	-0.8	-6.7
Canada	1 364	1 421	1 221	1 492	1 236	32.3	-17.1	-9.4
United States	9 014	8 691	8 244	8 262	8 445	25.4	2.2	-6.3

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Chemical woodpulp apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	34 381	32 151	31 310	32 709	32 374	50.9	-1.0	-5.8
Albania	0	0	0	0	0	0.0	0.0	0.0
Austria	1 595	1 544	1 477	1 539	1 498	167.2	-2.7	-6.1
Belgium	530	530	336	247	308	26.6	24.8	-41.8
Bosnia and Herzegovina	119	105	118	118	118	34.3	0.0	-0.5
Bulgaria	128	125	146	114	114	16.5	-0.6	-11.3
Croatia	0	0	0	0	0	0.1	10.1	256.1
Cyprus	1	0	0	0	0	0.2	-31.4	-75.3
Czechia	581	731	756	756	756	71.3	0.0	30.1
Denmark	47	39	39	39	39	6.6	0.0	-17.3
Estonia	65	64	76	77	60	45.4	-21.6	-6.5
Finland	4 992	4 184	3 750	4 632	4 308	777.4	-7.0	-13.7
France	3 005	2 681	2 846	2 772	2 832	41.8	2.2	-5.8
Germany	5 151	4 623	4 201	4 469	3 964	47.7	-11.3	-23.0
Greece	90	99	107	107	107	10.1	0.0	19.1
Hungary	137	125	130	130	130	13.4	0.0	-4.9
Iceland	0	0	0	0	0	0.0	...	...
Ireland	4	4	7	6	6	1.1	0.0	54.1
Israel	170	153	153	153	153	16.3	0.0	-9.9
Italy	3 199	3 317	3 080	3 066	3 087	52.2	0.7	-3.5
Latvia	-1	1	1	8	9	4.6	12.2	...
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	31	35	32	35	35	12.7	0.0	14.5
Luxembourg	0	0	0	0	0	0.0	-25.0	-81.5
Malta	0	0	0	0	0	0.0	...	...
Montenegro	0	0	0	0	0	0.0	0.0	0.0
Netherlands	531	563	790	767	767	43.8	0.0	44.6
North Macedonia	0	0	0	0	0	0.0	220.0	33.3
Norway	82	59	221	205	203	37.6	-0.7	149.2
Poland	1 903	1 832	1 886	1 927	1 981	52.5	2.8	4.1
Portugal	1 766	1 638	1 512	1 661	1 750	169.5	5.4	-0.9
Romania	154	117	124	129	150	7.8	16.2	-3.0
Serbia	67	70	78	68	74	10.8	8.8	10.3
Slovakia	595	568	536	670	689	126.4	2.8	15.6
Slovenia	235	222	270	237	233	110.5	-1.8	-0.9
Spain	1 406	1 332	1 349	1 292	1 617	34.1	25.2	15.0
Sweden	5 538	5 240	5 324	5 482	6 015	577.5	9.7	8.6
Switzerland	104	90	90	97	97	11.2	0.0	-6.4
Turkey	1 178	1 265	1 335	1 206	499	6.0	-58.6	-57.6
United Kingdom	979	798	541	699	774	11.6	10.7	-21.0
EECCA	4 298	4 170	4 416	4 423	4 414	15.3	-0.2	2.7
Armenia	0	0	0	0	0	0.0	25.0	233.3
Azerbaijan	0	0	0	0	0	0.0	100.0	100.0
Belarus	21	43	52	52	52	5.6	0.0	142.5
Georgia	0	0	0	0	0	0.0	14.0	364.3
Kazakhstan	6	6	15	13	17	0.9	26.8	193.2
Kyrgyzstan	0	0	0	0	0	0.0	21.8	-38.5
Republic of Moldova	0	0	0	0	0	0.0	0.0	-11.1
Russian Federation	4 187	4 033	4 269	4 269	4 269	29.8	0.0	2.0
Tajikistan	...	1	0	0	0	0.0	0.0	...
Turkmenistan	2	2	2	2	2	0.4	0.0	-2.7
Ukraine	59	61	64	70	37	0.9	-46.8	-37.6
Uzbekistan	22	23	14	17	37	1.1	122.5	65.6
North America	47 028	45 840	45 742	45 962	46 243	124.9	0.6	-1.7
Canada	2 127	2 369	2 186	2 519	2 273	59.5	-9.7	6.9
United States	44 901	43 470	43 555	43 443	43 970	132.5	1.2	-2.1

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Paper and paperboard apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	89 560	86 395	83 358	89 932	89 939	141.4	0.0	0.4
Albania	53	55	53	40	40	14.3	0.0	-24.3
Austria	2 150	2 084	2 111	2 303	2 148	239.8	-6.7	-0.1
Belgium	1 992	2 170	1 942	5 439	5 008	432.2	-7.9	151.5
Bosnia and Herzegovina	136	177	109	116	116	33.7	0.0	-14.5
Bulgaria	553	537	518	572	642	93.3	12.2	16.1
Croatia	512	528	504	546	553	140.0	1.3	7.9
Cyprus	50	50	46	44	58	64.6	31.0	15.2
Czechia	1 530	1 449	1 454	1 454	1 454	137.1	0.0	-5.0
Denmark	828	766	766	766	766	130.7	0.0	-7.5
Estonia	140	154	131	128	120	90.5	-6.1	-13.8
Finland	838	732	681	632	1 247	225.0	97.3	48.7
France	8 707	8 451	7 911	8 294	8 272	122.1	-0.3	-5.0
Germany	20 037	18 750	18 057	19 076	17 836	214.4	-6.5	-11.0
Greece	989	1 007	981	981	981	92.8	0.0	-0.8
Hungary	952	949	928	928	928	95.5	0.0	-2.6
Iceland	38	35	34	9	9	24.2	0.0	-76.3
Ireland	422	422	377	380	380	75.6	0.0	-9.8
Israel	857	817	817	817	817	87.2	0.0	-4.6
Italy	11 172	10 811	10 204	10 675	11 390	192.6	6.7	2.0
Latvia	166	161	162	174	167	88.7	-4.0	0.4
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	340	356	320	402	402	143.5	0.0	18.2
Luxembourg	175	184	25	30	26	40.5	-13.9	-85.2
Malta	26	26	26	26	26	49.3	0.0	-3.4
Montenegro	9	10	8	8	8	12.5	0.0	-17.6
Netherlands	3 014	2 671	2 609	2 869	2 869	163.6	0.0	-4.8
North Macedonia	77	82	79	89	97	52.5	8.9	25.0
Norway	463	578	388	374	413	76.4	10.5	-10.9
Poland	6 695	6 777	7 332	8 002	7 747	205.2	-3.2	15.7
Portugal	1 059	1 019	1 191	1 168	1 210	117.2	3.5	14.3
Romania	955	924	875	1 063	1 072	56.1	0.8	12.3
Serbia	771	722	727	725	790	115.6	9.0	2.5
Slovakia	632	591	725	554	565	103.7	2.0	-10.7
Slovenia	769	790	832	681	595	282.0	-12.6	-22.7
Spain	6 925	6 760	6 482	6 905	7 478	157.7	8.3	8.0
Sweden	1 427	1 259	999	704	834	80.0	18.4	-41.6
Switzerland	1 012	1 058	1 058	1 026	1 026	117.9	0.0	1.4
Turkey	4 515	4 335	4 489	4 449	4 626	55.5	4.0	2.5
United Kingdom	8 573	8 150	7 408	7 484	7 227	108.7	-3.4	-15.7
EECCA	10 064	10 221	10 120	10 173	9 932	34.5	-2.4	-1.3
Armenia	60	57	52	63	78	26.3	23.3	29.8
Azerbaijan	78	95	100	108	124	12.4	14.9	58.4
Belarus	439	472	446	446	446	48.0	0.0	1.6
Georgia	72	81	84	108	130	35.0	19.9	80.0
Kazakhstan	474	467	575	402	378	20.4	-6.1	-20.4
Kyrgyzstan	23	26	15	23	23	3.5	2.7	0.0
Republic of Moldova	42	43	44	45	45	17.1	0.0	7.5
Russian Federation	7 123	7 211	7 116	7 116	7 116	49.6	0.0	-0.1
Tajikistan	9	15	14	14	14	1.5	0.0	56.2
Turkmenistan	16	17	17	17	17	3.3	0.0	4.0
Ukraine	1 488	1 443	1 417	1 576	1 244	30.2	-21.0	-16.4
Uzbekistan	239	294	241	255	318	9.1	24.4	33.0
North America	74 055	71 520	68 587	70 998	71 219	192.4	0.3	-3.8
Canada	5 235	5 209	5 020	5 376	5 460	142.8	1.6	4.3
United States	68 821	66 311	63 567	65 621	65 760	198.1	0.2	-4.4

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Graphic papers apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	27 957	25 489	21 767	22 080	22 200	34.9	0.5	-20.6
Albania	20	18	14	9	9	3.1	0.0	-57.2
Austria	542	496	592	752	596	66.6	-20.7	9.9
Belgium	897	733	506	747	751	64.8	0.5	-16.3
Bosnia and Herzegovina	41	94	34	40	40	11.6	0.0	-2.7
Bulgaria	87	81	60	71	132	19.2	85.5	51.4
Croatia	124	121	102	113	106	26.8	-6.5	-14.8
Cyprus	22	19	14	12	20	21.8	57.6	-9.8
Czechia	450	394	441	441	441	41.6	0.0	-2.1
Denmark	325	319	319	319	319	54.4	0.0	-2.0
Estonia	88	84	72	69	62	46.9	-9.0	-28.7
Finland	-78	-123	-148	-287	201	36.3	...	...
France	3 036	2 884	2 434	2 433	2 374	35.0	-2.4	-21.8
Germany	7 518	6 683	5 734	5 868	5 312	63.9	-9.5	-29.3
Greece	305	300	243	243	243	23.0	0.0	-20.3
Hungary	318	298	271	271	271	28.0	0.0	-14.7
Iceland	12	9	8	2	2	5.7	0.0	-81.7
Ireland	134	134	87	84	84	16.7	0.0	-37.6
Israel	307	279	279	279	279	29.8	0.0	-9.2
Italy	2 967	2 594	2 145	2 126	2 410	40.8	13.3	-18.8
Latvia	85	79	77	81	83	44.3	2.7	-2.0
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	98	88	75	105	105	37.4	0.0	6.9
Luxembourg	77	75	16	16	15	23.0	-5.0	-80.8
Malta	15	14	14	14	14	27.0	0.0	-5.4
Montenegro	7	7	5	5	5	8.8	0.0	-19.5
Netherlands	661	460	436	556	556	31.7	0.0	-16.0
North Macedonia	18	17	15	16	18	10.0	15.9	3.8
Norway	265	377	167	129	163	30.2	26.4	-38.3
Poland	1 534	1 429	1 431	1 514	1 428	37.8	-5.7	-6.9
Portugal	302	249	218	237	263	25.5	10.9	-13.0
Romania	344	317	293	316	315	16.5	-0.3	-8.4
Serbia	283	265	253	261	237	34.7	-9.2	-16.4
Slovakia	189	170	174	174	158	28.9	-9.5	-16.7
Slovenia	94	114	73	74	59	28.2	-19.6	-37.0
Spain	1 205	1 061	706	717	796	16.8	11.0	-34.0
Sweden	413	373	343	193	230	22.1	19.1	-44.3
Switzerland	599	642	642	631	631	72.5	0.0	5.4
Turkey	1 319	1 292	1 224	1 063	1 185	14.2	11.5	-10.1
United Kingdom	3 331	3 043	2 398	2 384	2 287	34.4	-4.1	-31.3
EECCA	1 913	1 797	1 988	2 001	1 911	6.6	-4.5	-0.1
Armenia	11	10	9	10	10	3.4	2.4	-9.0
Azerbaijan	29	34	25	23	32	3.1	39.4	8.6
Belarus	110	89	72	72	72	7.7	0.0	-35.2
Georgia	21	16	15	14	22	5.8	55.4	4.6
Kazakhstan	135	88	91	88	70	3.8	-20.1	-47.7
Kyrgyzstan	14	15	9	10	9	1.3	-17.3	-37.2
Republic of Moldova	14	14	12	12	12	4.7	0.0	-10.8
Russian Federation	1 197	1 111	1 443	1 443	1 443	10.1	0.0	20.6
Tajikistan	5	12	11	11	11	1.2	0.0	121.6
Turkmenistan	11	13	13	13	13	2.6	0.0	21.0
Ukraine	277	264	217	218	116	2.8	-46.8	-58.1
Uzbekistan	91	133	72	87	101	2.9	16.5	11.7
North America	18 766	16 767	12 345	12 603	13 043	35.2	3.5	-30.5
Canada	1 492	1 299	821	981	1 168	30.6	19.1	-21.7
United States	17 275	15 467	11 524	11 622	11 875	35.8	2.2	-31.3

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Sanitary and household papers apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	7 857	7 959	8 390	8 101	8 135	12.8	0.4	3.5
Albania	9	11	14	14	14	4.9	0.0	51.0
Austria	144	150	132	129	131	14.6	1.7	-8.7
Belgium	41	29	26	0	0	0.0	...	...
Bosnia and Herzegovina	16	17	18	25	25	7.2	0.0	60.6
Bulgaria	37	38	38	41	50	7.3	22.0	36.1
Croatia	30	35	37	31	38	9.7	23.2	27.7
Cyprus	8	9	10	9	13	14.5	41.9	59.0
Czechia	29	34	40	40	40	3.8	0.0	37.4
Denmark	3	3	3	3	3	0.5	0.0	-15.9
Estonia	1	0	0	0	0	0.1	-50.0	-87.7
Finland	185	171	177	182	184	33.1	0.6	-0.7
France	854	824	843	839	880	13.0	4.9	3.0
Germany	1 463	1 447	1 523	1 488	1 560	18.7	4.8	6.6
Greece	174	174	204	204	204	19.3	0.0	17.2
Hungary	52	85	76	76	76	7.9	0.0	46.3
Iceland	1	1	1	0	0	0.7	0.0	-73.3
Ireland	12	12	18	16	16	3.3	0.0	33.8
Israel	95	98	98	98	98	10.4	0.0	3.4
Italy	1 288	1 316	1 234	1 216	1 256	21.2	3.3	-2.5
Latvia	1	2	1	1	1	0.8	13.8	3.1
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	2	6	5	4	4	1.3	0.0	63.8
Luxembourg	0	0	0	0	0	0.4	5.6	-26.0
Malta	2	2	2	2	2	3.5	0.0	-19.2
Montenegro	1	1	1	1	1	1.0	0.0	20.0
Netherlands	127	127	110	105	105	6.0	0.0	-17.5
North Macedonia	3	4	4	4	3	1.9	-14.8	3.8
Norway	27	30	31	28	26	4.8	-6.3	-3.2
Poland	594	588	698	677	662	17.5	-2.2	11.4
Portugal	113	142	263	144	165	16.0	14.5	46.0
Romania	81	96	70	110	122	6.4	10.7	50.9
Serbia	77	69	72	77	61	8.9	-20.8	-20.8
Slovakia	145	134	137	132	128	23.5	-3.2	-12.0
Slovenia	68	62	55	52	47	22.4	-10.0	-31.0
Spain	717	749	760	769	763	16.1	-0.8	6.5
Sweden	281	272	282	277	282	27.1	1.7	0.5
Switzerland	45	57	57	46	46	5.3	0.0	1.7
Turkey	58	125	154	112	56	0.7	-49.5	-3.2
United Kingdom	1 071	1 042	1 198	1 148	1 073	16.1	-6.5	0.2
EECCA	803	832	873	860	877	3.0	2.0	9.2
Armenia	6	7	6	10	10	3.4	1.4	75.9
Azerbaijan	10	11	14	7	7	0.7	4.3	-30.7
Belarus	25	31	31	31	31	3.3	0.0	26.2
Georgia	15	20	21	23	28	7.6	22.7	82.3
Kazakhstan	51	61	60	56	48	2.6	-15.0	-7.5
Kyrgyzstan	1	1	1	1	2	0.3	66.7	53.8
Republic of Moldova	4	5	5	5	5	2.1	0.0	32.0
Russian Federation	549	547	571	571	571	4.0	0.0	3.9
Tajikistan	0	0	0	0	0	0.0	0.0	-94.7
Turkmenistan	0	1	1	1	1	0.2	0.0	80.2
Ukraine	140	146	161	149	163	3.9	9.0	16.2
Uzbekistan	0	2	3	6	11	0.3	94.2	2232.5
North America	7 863	7 936	8 676	8 531	8 430	22.8	-1.2	7.2
Canada	711	752	1 163	1 501	1 356	35.5	-9.6	90.8
United States	7 152	7 184	7 513	7 031	7 074	21.3	0.6	-1.1

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Packaging materials apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022	% change 2018 to 2022
Europe	49 582	48 991	48 624	51 544	52 189	82.0	1.3	5.3
Albania	23	24	23	16	16	5.8	0.0	-29.5
Austria	1 271	1 260	1 196	1 245	1 274	142.3	2.3	0.3
Belgium	893	1 240	1 185	1 197	1 046	90.3	-12.6	17.2
Bosnia and Herzegovina	77	62	54	48	48	13.8	0.0	-37.7
Bulgaria	427	416	419	456	456	66.3	-0.1	6.8
Croatia	356	370	363	399	383	97.0	-4.0	7.8
Cyprus	20	21	22	23	25	28.1	12.4	27.5
Czechia	1 011	985	874	874	874	82.4	0.0	-13.5
Denmark	496	437	437	437	437	74.7	0.0	-11.8
Estonia	50	68	59	59	57	43.0	-2.5	15.2
Finland	654	618	-104	-104	288	52.0	...	-56.0
France	4 344	4 279	4 193	4 651	4 669	68.9	0.4	7.5
Germany	9 780	9 383	9 593	10 376	9 693	116.5	-6.6	-0.9
Greece	505	532	526	526	526	49.7	0.0	4.1
Hungary	579	563	576	576	576	59.4	0.0	-0.4
Iceland	25	25	25	7	7	17.7	0.0	-73.9
Ireland	236	236	264	279	279	55.4	0.0	18.2
Israel	450	437	437	437	437	46.6	0.0	-3.0
Italy	6 413	6 411	6 363	6 798	7 244	122.5	6.6	13.0
Latvia	80	80	84	91	82	43.4	-10.5	2.6
Liechtenstein	0	0	0	0	0	0.0	...	...
Lithuania	237	258	241	294	294	104.8	0.0	24.0
Luxembourg	97	107	8	14	11	16.8	-23.0	-88.9
Malta	9	10	10	10	10	18.7	0.0	3.7
Montenegro	2	2	2	2	2	2.6	0.0	-23.1
Netherlands	2 204	2 073	2 042	2 199	2 199	125.4	0.0	-0.2
North Macedonia	56	60	60	68	74	40.3	8.6	33.4
Norway	169	169	188	214	221	40.9	3.1	30.7
Poland	4 308	4 570	5 001	5 588	5 459	144.6	-2.3	26.7
Portugal	640	622	704	779	777	75.2	-0.3	21.4
Romania	514	495	496	620	613	32.1	-1.1	19.3
Serbia	382	360	375	364	472	69.1	29.7	23.7
Slovakia	297	286	412	247	279	51.2	13.0	-6.2
Slovenia	601	610	702	551	485	229.9	-12.1	-19.4
Spain	4 417	4 396	4 449	4 807	5 306	111.9	10.4	20.1
Sweden	671	553	320	175	273	26.2	55.6	-59.3
Switzerland	326	314	314	306	306	35.1	0.0	-6.4
Turkey	3 090	2 877	3 066	3 237	3 338	40.0	3.1	8.0
United Kingdom	3 876	3 782	3 644	3 677	3 654	55.0	-0.6	-5.7
EECCA	7 055	7 241	6 910	7 047	6 896	24.0	-2.1	-2.3
Armenia	36	32	32	41	54	18.4	32.0	49.6
Azerbaijan	39	49	61	78	84	8.4	8.4	115.1
Belarus	280	271	265	265	265	28.5	0.0	-5.5
Georgia	35	44	47	70	79	21.3	12.3	124.0
Kazakhstan	195	225	331	256	257	13.9	0.4	31.7
Kyrgyzstan	8	10	4	11	12	1.8	13.9	52.8
Republic of Moldova	23	23	26	27	27	10.2	0.0	14.0
Russian Federation	5 277	5 448	4 993	4 993	4 993	34.8	0.0	-5.4
Tajikistan	3	3	3	3	3	0.3	0.0	-21.0
Turkmenistan	5	3	3	3	3	0.6	0.0	-39.4
Ukraine	1 026	990	1 000	1 165	939	22.8	-19.4	-8.5
Uzbekistan	126	142	144	136	180	5.2	32.5	43.3
North America	46 439	45 672	45 502	48 782	48 709	131.6	-0.1	4.9
Canada	3 013	3 143	3 008	2 865	2 900	75.9	1.2	-3.8
United States	43 426	42 529	42 494	45 917	45 809	138.0	-0.2	5.5

Source: UNECE/FAO TIMBER database, 2023.

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.

Wood pellets apparent consumption, 2018 - 2022 (1,000 m.t.)

	2018	2019	2020	2021	2022	mt per 1000 inhabitants	% change 2021 to 2022
Europe	26 741	29 745	29 095	29 969	30 042	47.9	0.2
Albania	9	20	22	30	30	10.8	0.0
Austria	901	960	1 075	1 144	1 288	143.8	12.6
Belgium	1 499	1 391	1 537	889	750	64.7	-15.6
Bosnia and Herzegovina	148	88	62	62	62	18.0	0.0
Bulgaria	157	149	142	202	243	35.3	19.9
Croatia	67	49	20	0	0	0.0	-27.6
Cyprus	2	3	4	4	8	8.5	90.4
Czechia	79	195	141	141	141	13.3	0.0
Denmark	2 811	2 240	1 300	1 300	1 300	222.0	0.0
Estonia	243	483	542	119	284	213.2	138.1
Finland	436	413	413	549	537	96.9	-2.1
France	1 530	1 884	2 016	2 399	2 712	40.0	13.0
Germany	2 149	2 366	2 591	2 939	3 363	40.4	14.4
Greece	97	96	100	100	100	9.4	0.0
Hungary	18	17	14	14	14	1.4	0.0
Iceland	1	1	1	1	1	2.7	0.0
Ireland	45	45	86	60	60	11.8	0.0
Israel	...	...	...	...	...	...	...
Italy	2 624	2 904	2 194	2 520	2 359	39.9	-6.4
Latvia	148	282	326	222	779	413.3	251.5
Liechtenstein	0	0	0	0	0	0.0	...
Lithuania	162	249	176	110	110	39.3	0.0
Luxembourg	25	40	46	48	75	116.6	55.9
Malta	0	1	1	1	1	1.3	0.0
Montenegro	38	11	13	13	13	20.4	0.0
Netherlands	442	1 154	2 448	2 779	2 779	158.5	0.0
North Macedonia	66	74	63	66	69	37.8	5.4
Norway	109	141	60	199	172	31.8	-13.6
Poland	894	1 103	672	1 031	1 325	35.1	28.5
Portugal	208	311	278	227	231	22.3	1.4
Romania	496	397	204	179	177	9.3	-0.8
Serbia	257	331	406	497	478	69.9	-3.8
Slovakia	16	19	18	19	22	4.1	18.6
Slovenia	157	155	207	111	124	58.8	11.7
Spain	506	661	548	530	433	9.1	-18.3
Sweden	1 868	2 023	1 642	1 626	1 775	170.4	9.2
Switzerland	315	332	345	403	403	46.3	0.0
Turkey	6	6	6	-2	1	0.0	...
United Kingdom	8 209	9 144	9 371	9 431	7 819	117.7	-17.1
EECCA	510	710	585	632	580	2.2	-8.2
Armenia	0	0	0	0	0	0.0	140.0
Azerbaijan	0	0	0	0	0	0.0	5.3
Belarus	23	46	29	29	29	3.1	0.0
Georgia	...	...	...	...	...	...	...
Kazakhstan	2	1	1	3	3	0.2	13.9
Kyrgyzstan	0	0	0	0	-8	-1.2	...
Republic of Moldova	28	26	32	24	24	9.0	0.0
Russian Federation	301	569	509	509	509	3.5	0.0
Tajikistan	...	...	...	...	...	...	...
Turkmenistan	0	0	0	0	0	0.0	0.0
Ukraine	156	68	13	68	23	0.6	-65.9
Uzbekistan	0	0	0	0	0	0.0	-89.3
North America	2 089	2 539	2 318	1 828	1 129	3.1	-38.2
Canada	417	593	958	706	368	9.6	-47.8
United States	1 672	1 946	1 360	1 122	761	2.3	-32.2

Note: Consumption figures for the subregional totals are calculated by adding subregional imports to production and subtracting exports. They may thus not coincide with the sum of the listed countries as some of these may not have consumption figures if one of the flows is missing.