

Status and trend analysis of the production, export and import of wood and wood products in the G20 countries from 2004 to 2021

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2 Table S1. Production of wood and wood products by the G20 countries in the period 2004–2021

Year	Industrial roundwood* (million m ³)	Paper and paperboard** (million t)	Pulp for paper** (million t)	Sawlogs and veneer logs* (million m ³)	Sawn wood* (million m ³)	Wood fuel* (million m ³)	Wood pellets and other agglomerates** (t)	Wood-based panels* (million m ³)
2004	1 361.6	336.5	176.1	948.1	374.2	950.9	–	216.4
2005	1 380.4	345.5	177.2	979.3	385.4	921.4	–	228.7
2006	1 363.0	360.1	178.7	932.6	393.4	919.6	–	242.1
2007	1 356.5	370.4	182.8	928.3	380.3	914.1	–	255.5
2008	1 244.3	367.8	178.3	815.8	334.6	910.1	–	242.7
2009	1 167.9	348.4	160.6	736.2	295.8	893.2	–	240.3
2010	1 302.3	369.6	172.4	805.1	323.5	905.1	–	258.5
2011	1 364.3	377.4	173.5	831.5	335.7	899.3	–	276.4
2012	1 360.7	376.4	169.4	828.1	350.6	906.0	21.9	288.2
2013	1 392.2	374.2	167.8	870.1	365.9	907.1	25.0	310.3
2014	1 394.5	381.5	170.3	876.8	378.3	898.1	28.2	314.1
2015	1 389.7	384.0	170.3	882.4	390.7	891.5	29.7	314.5
2016	1 453.0	386.1	172.8	916.9	423.5	912.6	31.2	341.5
2017	1 465.9	391.8	174.3	929.8	439.8	908.0	33.8	423.3
2018	1 562.9	384.8	182.2	991.0	445.3	915.8	36.4	424.2
2019	1 519.9	380.7	179.0	963.3	441.8	909.7	41.4	430.5
2020	1 493.0	376.9	175.1	954.6	427.0	892.3	41.9	421.2
2021	1 520.8	393.6	177.3	972.1	433.0	905.0	43.1	438.7
Total	25 092.9	6 705.7	3 138.1	16 162.0	6 918.8	16 359.8	332.6	5 667.1

Statistics								
Mean	1 394.1	372.5	174.3	897.9	384.4	908.9	33.3	314.8
SD	99.0	15.9	5.5	71.4	44.7	13.7	7.4	79.2
CV (%)	7.1	4.3	3.1	7.9	11.6	1.5	22.1	25.1
Minimum	1 167.9	336.5	160.6	736.2	295.8	891.5	21.9	216.4
Maximum	1 562.9	393.6	182.8	991.0	445.3	950.9	43.1	438.7
CAGR (%)	0.65	0.93	0.04	0.15	0.86	–0.29	4.06	4.24

*Industrial wood and wood products; **other associated wood products; SD – standard deviation; CV – coefficient of variation; CAGR – compound annual growth rate

Table S2. Export of wood and wood products by the G20 countries in the period 2004–2021

Year	Industrial roundwood*		Paper and paperboard**		Pulp for paper**		Sawn wood*		Wood fuel*		Wood pellets and other agglomerates**		Wood-based panels*	
	quantity (mil. m ³)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)
2004	76.4	5 673.8	104.1	79 193.9	27.0	17 064.1	116.3	26 261.8	3.2	127.8	–	–	59.9	19 859.4
2005	85.0	6 360.3	106.3	82 918.8	27.9	17 661.9	119.2	26 680.5	3.6	143.8	–	–	63.5	20 881.2
2006	86.8	6 988.2	107.9	88 757.9	29.9	20 542.5	119.4	28 240.2	3.5	179.0	–	–	66.6	23 197.4
2007	85.1	8 520.5	112.1	98 574.3	29.7	23 767.1	115.1	31 205.4	3.4	201.2	–	–	68.0	27 210.7
2008	70.5	7 626.4	107.1	104 611.2	30.1	25 941.3	100.9	26 043.6	3.4	231.3	–	–	59.0	25 367.7
2009	51.7	4 837.0	96.8	85 442.3	29.3	19 436.2	86.1	20 092.0	4.7	284.0	–	–	48.4	19 390.7
2010	57.5	5 819.4	102.7	92 531.0	32.0	28 758	95.2	24 443.4	5.1	319.8	–	–	53.2	22 205.4
2011	63.7	7 198.1	103.3	102 138.7	33.7	29 654.9	101.3	26 692.4	5.8	400.9	–	–	56.4	24 877.7
2012	56.8	5 998.9	101.6	94 080.6	32.8	27 188.9	102.1	26 154.3	6.0	385.2	6.4	1 787.2	59.7	25 277.3
2013	63.7	7 106.5	103.8	97 103.4	34.1	27 493.2	107.1	29 285.5	6.3	409.3	7.9	2 336.6	60.6	26 787.0
2014	65.7	7 499.5	105.5	97 714.0	35.0	27 717.6	112.9	31 347.6	6.1	418.7	9.5	2 642.5	64.6	28 699.5
2015	61.1	5 799.7	105.3	87 687.1	36.2	26 341.8	115.9	27 026.2	6.1	353.6	9.8	2 411.6	64.7	26 035.0
2016	66.1	6 357.9	105.9	85 721.1	38.1	25 055.4	124.2	28 486.0	5.6	328.4	10.4	2 352.9	68.1	26 195.4
2017	68.8	7 534.3	107.6	90 150.5	39.5	28 453.1	129.3	31 699.2	10.0	670.8	12.0	2 743.2	98.8	34 229.8
2018	73.6	8 061.8	108.9	98 708.4	39.9	34 809.1	132.4	33 845.5	9.8	793.8	14.1	3 480.5	102.7	37 968.5
2019	75.4	6 973.4	105.5	90 972.0	40.8	30 716.5	131.5	29 555.9	9.1	707.6	15.5	3 873.9	96.7	33 328.1
2020	81.7	6 955.9	100.4	80 665.0	41.8	25 891.9	129.5	31 107.3	8.8	693.9	16.8	4 060.1	95.4	33 399.7
2021	82.3	7 990.2	103.6	93 520.3	40.9	31 498.3	133.6	46 433.4	9.5	854.9	17.7	4 358.6	107.6	48 236.6
Total	1 271.9	12 3301.8	1 888.4	1 650 490.5	618.7	467 991.8	2 072.0	524 600.2	110.0	7 504.0	120.1	30 047.1	1 293.9	503 147.1
Statistics														
Mean	70.7	6 850.1	104.9	91 693.9	34.4	25 999.5	115.1	29 144.5	6.1	416.9	12.0	3 004.7	71.9	27 952.6
SD	10.7	972.9	3.4	7 296.1	4.9	4 801.3	13.9	5 365.5	2.4	229.5	3.9	871.4	18.9	7 222.1
CV (%)	15.2	14.2	3.3	8.0	14.2	18.4	12.1	18.4	38.9	55.1	32.1	29.0	26.3	25.8
Minimum	51.7	4837	96.8	79 193.9	27	17 064.1	86.1	20 092	3.2	127.8	6.4	1 787.2	48.4	19 390.7
Maximum	86.8	8 520.5	112.1	104 611.2	41.8	34 809.1	133.6	46 433.4	10	854.9	17.7	4 358.6	107.6	48 236.6
CAGR (%)	0.44	2.03	–0.03	0.98	2.47	3.84	0.82	3.41	6.61	11.83	6.17	5.38	3.51	5.36

*Industrial wood and wood products; **other associated wood products; SD – standard deviation; CV – coefficient of variation; CAGR – compound annual growth rate

4 Table S3. Import of wood and wood products by the G20 countries in the period 2022–2030

Year	Industrial roundwood*		Paper and paperboard**		Pulp for paper**		Sawn wood*		Wood fuel*		Wood pellets and other agglomerates**		Wood-based panels*	
	quantity (mil. m ³)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)	quantity (mil. t)	value (mil. USD)	quantity (mil. m ³)	value (mil. USD)
2004	100.2	10 068.7	92.1	72 594.3	34.1	17 045.5	116.6	27 949.7	3.0	146	–	1 872.2	64.6	21 424.8
2005	107.9	10 769.3	94.0	75 208.8	34.7	17 617.7	115.5	27 806.7	3.3	148.9	–	2 566.5	66.3	22 119.9
2006	108.0	11 744.0	96.3	80 588.9	35.8	19 515.3	112.8	28 808.9	3.7	208.7	–	3 093.4	69.0	23 622.4
2007	111.4	14 428.8	99.0	89 025.3	35.6	22 921.3	111.0	31 165.1	3.3	237.8	–	2 831.1	67.6	24 830.4
2008	96.7	12 941.1	94.4	94 407.4	35.9	25 206.1	87.2	25 157.2	3.5	263.8	–	2 853.9	56.7	23 118.9
2009	74.4	9 589.4	82.8	75 834.6	35.0	1 8283	71.7	18 696.1	4.6	313.4	–	3 344.4	45.2	17 490.6
2010	90.2	12 849.6	87.6	81 584.4	36.2	26 424.6	84.1	23 459.2	4.8	334.7	–	4465	51.3	20 156.0
2011	97.1	16 075.3	86.8	89 278.9	39.1	29 196.8	90.5	26 720.6	5.5	437.9	–	4 746.2	53.4	22 640.9
2012	91.0	14 384.7	85.1	83 021.7	40.1	25 598.4	87.4	25 168.7	5.7	431.3	9.9	4 681.6	53.5	22 875.5
2013	102.8	17 099.1	85.2	83 539.9	41.5	26 902.3	95.4	28 641.6	6.1	477.2	13.0	5 280.3	55.1	24 040.1
2014	107.6	19 747.8	85.8	84 271.9	42.5	27 650.2	102.1	32 110.9	6.2	469.1	15.6	35 734.6	57.4	25 072.7
2015	105.4	14 159.1	85.8	74 785.7	43.8	27 623.3	105.0	28 395.1	5.5	360.9	16.6	1 872.2	59.2	23 077.5
2016	110.5	14 182.9	86.3	72 364.5	45.6	25 194.4	116.2	30 547.1	5.4	353.2	17.2	2 566.5	62.0	23 310.1
2017	109.1	15 483.9	89.5	75 683.6	48.2	29 193.0	124.1	34 059.7	8.8	659.7	20.4	3 093.4	91.8	31 094.7
2018	119.2	17 053.0	90.6	82 701.0	48.9	36 707.5	124.0	36 046.6	9.5	765.5	24.7	2 831.1	93.6	33 971.5
2019	115.8	14 652.8	87.2	76 099.4	49.5	31 121.4	126.2	31 123.6	9.1	751	26.6	2 853.9	89.4	29 310.4
2020	111.7	12 814.1	85.9	68 686.7	51.1	26 664.3	120.8	32 240.0	6.6	602	27.2	3 344.4	90.7	30 018.9
2021	116.1	17 271.8	88.4	78 885.9	49.3	33 207.0	127.6	46 990.3	7.9	751.4	29.5	4 465.0	101.7	43 627.8
Total	1 875.1	255 315.4	1 602.8	1 438 562.9	746.9	466 072.1	1 918.2	535 087.1	102.5	7 712.5	200.7	4 746.2	1 228.5	461 803.1
Statistics														
Mean	104.2	14 184.2	89.0	79 920.2	41.5	25 892.9	106.6	29 727.1	5.7	428.5	20.1	3 573.5	68.3	25 655.7
SD	11.1	2 697.2	4.4	6 724.8	6.0	5 329.1	16.9	5 919.7	2.1	204.6	6.6	1 133.9	17.3	6 061.5
CV (%)	10.7	19.0	5.0	8.4	14.5	20.6	15.8	19.9	36.0	47.7	33.1	31.7	25.3	23.6
Minimum	74.4	9 589.4	82.8	68 686.7	34.1	17 045.5	71.7	18 696.1	3	146.0	9.9	1 872.2	45.2	17 490.6
Maximum	119.2	19 747.8	99.0	94 407.4	51.1	36 707.5	127.6	46 990.3	9.5	765.5	29.5	5 280.3	101.7	43 627.8
CAGR (%)	0.87	3.23	-0.24	0.49	2.19	4.00	0.53	3.10	5.86	10.12	6.63	6.29	2.71	4.27

*Industrial wood and wood products; **other associated wood products; SD – standard deviation; CV – coefficient of variation; CAGR – compound annual growth rate

Table S4. ARIMA model statistics for production, import and export of wood and wood products (quantity) in the G20 countries in the period 2004–2021

Statistics	Production						
	industrial roundwood	paper and paperboard	pulp for paper	sawlogs and veneer logs	sawn wood	wood fuel	wood pellets and other agglomerates
Model	(0, 1, 0)	(0, 1, 0)	(0, 1, 0)	(0, 1, 0)	(0, 1, 0)	(0, 0, 1)	(0, 1, 0)
R ²	0.652	0.464	−0.227	0.575	0.791	0.304	0.959
MAPE	3.241	2.091	2.466	4.006	4.382	0.940	2.697
MAE	43.857	7.733	4.237	34.445	15.670	8.572	12.552
BIC	8.354	4.749	4.049	7.876	6.258	5.483	6.236

Statistics	Import						
	industrial roundwood	paper and paperboard	pulp for paper	sawlogs and veneer logs	sawn wood	wood fuel	wood pellets and other agglomerates
Model	(0, 1, 0)	(0, 1, 0)	(0, 1, 0)	–	(0, 1, 0)	(0, 1, 0)	(1, 0, 0)
R ²	0.304	0.296	0.962	–	0.704	0.661	0.809
MAPE	7.587	2.942	1.957	–	7.308	11.036	14.590
MAE	7.245	2.599	0.819	–	6.903	0.705	2.412
BIC	4.672	2.829	0.442	–	4.639	0.469	2.713

Statistics	Export						
	industrial roundwood	paper and paperboard	pulp for paper	sawlogs and veneer logs	sawn wood	wood fuel	wood pellets and other agglomerates
Model	(0, 1, 0)	(0, 0, 1)	(0, 1, 0)	–	(0, 1, 0)	(0, 1, 0)	(1, 0, 0)
R ²	0.513	0.303	0.949	–	0.775	0.758	0.821
MAPE	8.846	2.159	2.425	–	4.730	9.938	13.708
MAE	5.687	2.254	0.812	–	4.979	0.668	1.401
BIC	4.235	2.713	0.260	–	4.007	0.442	1.560

MAPE – mean absolute percentage error; MAE – mean average error; BIC – Bayesian information criterion

6 Table S5. Forecast of production, import and export of wood and wood products (quantity) in the G20 countries in the period 2022–2030

Year	Industrial roundwood ¹ (million m ³)	Paper and paperboard ² (million t)	Pulp for paper ³ (million t)	Sawlogs and veneer logs ⁴ (million m ³)	Sawn wood ⁵ (million m ³)	Wood fuel ⁶ (million m ³)	Wood pellets and other agglomerates ⁷ (t)	Wood-based panels ⁸ (m ³)	Industrial wood and wood products (1, 4, 5, 6, 8) (million m ³)	Associated wood products (2, 3, 7) (million t)
Production										
2022	1 530.2	397.0	178.3	973.5	436.5	899.1	44.4	451.8	4 291.1	619.7
2023	1 539.5	400.3	179.4	974.9	439.9	894.6	45.2	464.9	4 313.8	624.9
2024	1 548.9	403.7	180.6	976.3	443.4	893.2	45.7	477.9	4 339.7	630.0
2025	1 558.3	407.0	182.0	977.7	446.8	891.8	45.8	491.0	4 365.6	634.8
2026	1 567.6	410.4	183.4	979.2	450.3	890.4	45.4	504.1	4 391.6	639.2
2027	1 577.0	413.8	184.9	980.6	453.8	889.0	44.6	517.2	4 417.6	643.3
2028	1 586.4	417.1	186.5	982.0	457.2	887.6	43.4	530.2	4 443.4	647.0
2029	1 595.7	420.5	188.3	983.4	460.7	886.2	41.8	543.3	4 469.3	650.6
2030	1 605.1	423.8	190.1	984.8	464.1	884.8	39.9	556.4	4 495.2	653.8
Import										
2022	117.0	88.2	50.2	–	128.2	8.2	29.5	103.9	357.3	167.9
2023	118.0	88.0	51.1	–	128.9	8.5	29.5	106.1	361.5	168.6
2024	118.9	87.7	52.0	–	129.5	8.8	29.5	108.2	365.4	169.2
2025	119.8	87.5	52.9	–	130.2	9.1	29.5	110.4	369.5	169.9
2026	120.8	87.3	53.8	–	130.8	9.3	29.5	112.6	373.5	170.6
2027	121.7	87.1	54.7	–	131.5	9.6	29.5	114.8	377.6	171.3
2028	122.6	86.9	55.6	–	132.1	9.9	29.5	117.0	381.6	172.0
2029	123.6	86.7	56.5	–	132.8	10.2	29.5	119.2	385.8	172.7
2030	124.5	86.4	57.3	–	133.4	10.5	29.5	121.3	389.7	173.2
Export										
2022	83.0	102.0	43.0	–	130.5	9.2	16.8	98.2	320.9	161.8
2023	83.0	106.0	42.0	–	134.6	9.9	17.7	110.4	337.9	165.7
2024	83.0	105.0	43.0	–	135.6	10.2	17.7	113.2	342.0	165.7
2025	84.0	104.0	43.0	–	136.7	10.6	17.7	116.0	347.3	164.7
2026	84.0	104.0	44.0	–	137.7	11.0	17.7	118.8	351.5	165.7
2027	84.0	104.0	45.0	–	138.7	11.4	17.7	121.6	355.7	166.7
2028	85.0	104.0	46.0	–	139.7	11.7	17.7	124.4	360.8	167.7
2029	85.0	104.0	47.0	–	140.7	12.1	17.7	127.2	365.0	168.7
2030	85.0	104.0	47.0	–	141.7	12.5	17.7	130.0	369.2	168.7

Table S6. The top 10 producer countries of wood and wood products in the G20 countries in the period 2004–2021

No.	Industrial roundwood			Paper and paperboard			Pulp for paper			Sawlogs and veneer logs		
	countries (27 in total)	value (million USD)	%	countries (41 in total)	value (million USD)	%	countries (37 in total)	value (million USD)	%	countries (41 in total)	value (million USD)	%
1	USA	6 649.1	26.5	China	1 757.5	26.2	USA	911.4	29.0	USA	3 305.3	20.5
2	Russia	3 288.9	13.1	USA	1 346.2	20.1	Canada	332.6	10.6	Canada	2 344.8	14.5
3	Canada	2 765.0	11.0	Japan	491.0	7.3	China	327.6	10.4	Russia	2 196.3	13.6
4	China	2 675.0	10.7	Germany	402.5	6.0	Brazil	283.1	9.0	China	1 338.6	8.3
5	Brazil	2 417.2	9.6	Canada	229.3	3.4	Sweden	209.1	6.7	Brazil	979.2	6.1
6	Indonesia	1 185.9	4.7	India	213.3	3.2	Finland	197.0	6.3	India	840.0	5.2
7	Germany	917.3	3.7	Finland	201.5	3.0	Japan	165.2	5.3	Germany	688.2	4.3
8	Finland	895.3	3.6	Korea	197.4	2.9	Russia	138.7	4.4	Sweden	653.0	4.0
9	India	870.1	3.5	Sweden	193.5	2.9	Indonesia	117.9	3.8	Indonesia	522.3	3.2
10	Australia	496.5	2.0	Indonesia	180.8	2.7	India	90.1	2.9	Finland	398.3	2.5
Top 10		22 160.3	88.3	–	5 212.7	77.7	–	2 772.6	88.4	–	–	13 266.0
Total		25 092.8	100.0	–	6 705.9	100.0	–	3 137.8	100.0	–	–	16 161.9

No.	Sawn wood			Wood fuel			Wood pellets and other agglomerates			Wood-based panels		
	countries (41 in total)	value (million USD)	%	countries (42 in total)	value (million USD)	%	countries (39 in total)	value (million USD)	%	countries (41 in total)	value (million USD)	%
1	USA	1 392.1	20.1	India	5503.5	33.6	USA	67.3	20.2	China	2342.3	41.3
2	China	1 002.7	14.5	China	3264.7	20.0	Germany	28.8	8.7	USA	736.5	13.0
3	Canada	826.5	11.9	Brazil	2121.2	13.0	Canada	27.9	8.4	Germany	278.5	4.9
4	Russia	598.7	8.7	Indonesia	988.1	6.0	Brazil	26.9	8.1	Canada	265.9	4.7
5	Germany	407.8	5.9	USA	913.4	5.6	Russia	22.4	6.7	Russia	259.3	4.6
6	Sweden	318.2	4.6	Mexico	695.7	4.3	Sweden	18.1	5.4	Poland	198.1	3.5
7	Brazil	278.4	4.0	France	444.5	2.7	Latvia	16.7	5.0	Brazil	181.6	3.2
8	India	252.3	3.6	Germany	413.3	2.5	Poland	14.0	4.2	Türkiye	156.5	2.8
9	Finland	198.4	2.9	Russia	265.6	1.6	Austria	13.3	4.0	India	121.8	2.2
10	Japan	181.6	2.6	South Africa	217.0	1.3	France	13.2	4.0	France	114.1	2.0
Top 10		5 456.6	78.9	–	14 827.0	90.6	–	248.7	74.8	–	4 654.5	82.1
Total		6 918.8	100.0	–	16 360.0	100.0	–	332.6	100.0	–	5 666.9	100.0

No. – country ranking number

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Table S7. The top 10 importer countries of wood and wood products in the G20 countries in the period 2004–2021

No.	Industrial roundwood			Paper and paperboard			Pulp for paper		
	countries (28 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%
1	China	137 210.6	53.7	Germany	179 595.0	12.5	China	175 709.3	32.1
2	India	22 546.6	8.8	USA	174 142.7	12.1	USA	56 320.3	10.3
3	Japan	20 099.8	7.9	China	100 876.7	7.0	Germany	52 518.4	9.6
4	Austria	13 242.9	5.2	UK	100 626.0	7.0	Italy	38 809.7	7.1
5	Korea	11 653.9	4.6	France	91 259.8	6.3	Korea	26 198.4	4.8
6	Germany	9 656.1	3.8	Italy	76 414.7	5.3	France	22 973.9	4.2
7	Finland	9 246.9	3.6	Belgium	54 164.8	3.8	Japan	21 556.3	3.9
8	Italy	6 344.7	2.5	Spain	52 409.4	3.6	Netherlands	19 086.8	3.5
9	Canada	5 750.9	2.3	Poland	51 620.1	3.6	UK	13 881.4	2.5
10	Belgium	4 241.1	1.7	Netherlands	48 091.7	3.3	Spain	11 485.8	2.1
Top 10		425 687.5	79.6	–	929 200.8	64.6	–	438 540.2	80.0
Total		535 087.2	100.0	–	1 438 563.0	100.0	–	547 959.8	100.0

No.	Sawn wood			Wood fuel			Wood pellets and other agglomerates			Wood-based panels		
	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%
1	USA	115 678.5	21.6	Italy	1 602.7	20.8	UK	12 196.6	34.1	USA	102 963.9	22.3
2	China	108 888.3	20.3	Austria	932.4	12.1	Denmark	4 433.1	12.4	Germany	40 179.4	8.7
3	Japan	43 603.7	8.1	Germany	785.5	10.2	Italy	4 184.8	11.7	Japan	39 984.7	8.7
4	UK	38 395.1	7.2	UK	422.5	5.5	Korea	2 865.0	8.0	UK	26 887.0	5.8
5	Italy	28 494.7	5.3	Belgium	376.4	4.9	Belgium	1 851.7	5.2	France	21 297.6	4.6
6	Germany	26 120.4	4.9	Denmark	373.2	4.8	Japan	1 670.2	4.7	China	17 730.5	3.8
7	France	22 250.7	4.2	USA	330.8	4.3	Netherlands	1 639.6	4.6	Korea	16 470.9	3.6
8	Netherlands	17 957.3	3.4	Greece	324.8	4.2	Germany	1 215.7	3.4	Canada	16 103.9	3.5
9	Belgium	14 220.1	2.7	France	301.9	3.9	Austria	924.7	2.6	Italy	15 885.1	3.4
10	Austria	10 078.6	1.9	Slovenia	286.1	3.7	France	817.8	2.3	Netherlands	14 542.6	3.1
Top 10		425 687.5	79.6	–	5 736.4	74.4	–	31 799.1	89.0	–	312 045.5	67.6
Total		535 087.2	100.0	–	7 712.4	100.0	–	35 734.5	100.0	–	461 803.1	100.0

No. – country ranking number

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Table S8. The top 10 exporter countries of wood and wood products in the G20 countries in the period 2004–2021

No.	Industrial roundwood			Paper and paperboard			Pulp for paper		
	countries (28 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%
1	Russia	35 467.9	28.8	Germany	233 545.7	14.2	Canada	101 890.1	21.8
2	USA	33 856.7	27.5	USA	160 460.5	9.7	Brazil	83 003.3	17.7
3	Germany	9 895.9	8.0	Finland	156 758.7	9.5	USA	79 078.6	16.9
4	Canada	9 617.7	7.8	Sweden	153 768.9	9.3	Sweden	38 225.8	8.2
5	Czechia	7 227.1	5.9	Canada	125 926.2	7.6	Finland	33 033.5	7.1
6	France	6 365.6	5.2	China	97 987.0	5.9	Indonesia	29 634.5	6.3
7	Australia	4 661.9	3.8	France	80 045.6	4.8	Russia	18 312.7	3.9
8	Belgium	3 228.8	2.6	Italy	63 262.6	3.8	Germany	13 239.7	2.8
9	Estonia	2 450.7	2.0	Austria	60 584.7	3.7	Spain	11 621.9	2.5
10	Austria	1 686.2	1.4	Indonesia	57 007.6	3.5	Netherlands	11 505.5	2.5
Top 10		114 458.6	92.8	–	1 189 347.4	72.1	–	419 545.5	89.6
Total		123 301.7	100.0	–	1 650 490.3	100.0	–	467 991.8	100.0

No.	Sawn wood			Wood fuel			Wood pellets and other agglomerates			Wood-based panels		
	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%	countries (43 in total)	value (million USD)	%
1	Canada	131 642.4	25.1	Latvia	939.0	12.5	USA	7 063.2	23.5	China	96 381.0	19.2
2	Sweden	60 223.5	11.5	Croatia	911.9	12.2	Canada	3 393.2	11.3	Germany	57 464.1	11.4
3	Russia	59 263.5	11.3	France	545.4	7.3	Latvia	2 656.5	8.8	Canada	54 155.3	10.8
4	USA	48 635.4	9.3	Slovenia	537.3	7.2	Russia	1 903.0	6.3	Indonesia	33 495.0	6.7
5	Germany	40 516.7	7.7	Lithuania	476.4	6.3	Germany	1 804.7	6.0	Austria	28 218.2	5.6
6	Finland	33 635.8	6.4	Estonia	457.9	6.1	Austria	1 684.7	5.6	Russia	24 436.8	4.9
7	Austria	28 240.0	5.4	Poland	365.0	4.9	Estonia	1 592.2	5.3	Belgium	22 178.6	4.4
8	Latvia	11 995.6	2.3	USA	328.4	4.4	Portugal	981.4	3.3	France	19 681.4	3.9
9	Romania	11 634.1	2.2	Bulgaria	297.8	4.0	Denmark	976.6	3.3	Poland	17 351.8	3.4
10	Brazil	11 298.8	2.2	Hungary	271.9	3.6	Poland	946.7	3.2	Brazil	15 072.3	3.0
Top 10		437 085.9	83.3	–	5 131.0	68.4	–	23 002.3	76.6	–	368 434.7	73.2
Total		524 600.1	100.0	–	7 504.0	100.0	–	30 046.9	100.0	–	503 147.1	100.0

No. – country ranking number