

Economy-wide material flow accounts 2019

Domestic material consumption fell by three per cent from the previous year

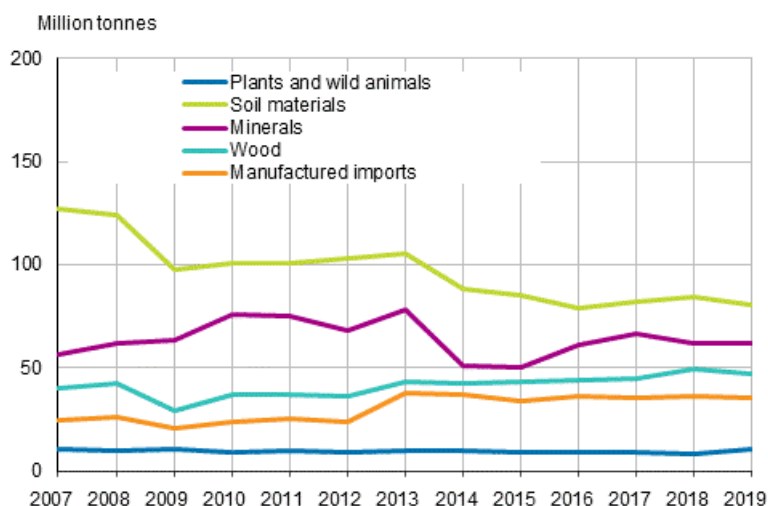
Altogether 178 million tonnes of natural resources were taken into use in Finland in 2019. The figure was the lowest in the 2010s, over a sixth lower than in 2013 when the figure was at its highest. Compared to the level of 2017 to 2018, the fall was considerably smaller, good one per cent.

Domestic material consumption 2007 to 2019

Million tonnes	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Domestic direct inputs	195	196	169	187	186	185	215	170	167	172	180	180	178
Foreign direct inputs	64	69	53	60	62	56	59	58	54	57	57	60	57
Exports	44	42	35	43	45	44	45	45	42	44	45	49	51
Domestic material consumption	215	223	187	204	203	197	229	183	179	186	191	191	185

Domestic material consumption, one indicator of sustainable development, was three per cent lower in 2019 than in 2017 to 2018. The fall was mainly due to decreased direct domestic inputs and imports, as well as a slight growth in exports. The fall was mostly due to a decrease of good five per cent in soil extraction. [Indicators for sustainable development](#).

Use of direct inputs by material group 2007 to 2019, million tonnes



Domestic material consumption is calculated by adding imports to domestic direct inputs (introduced natural resources) and by subtracting exports. Of the natural resources introduced in 2019, altogether 28 per cent were wood and other plants, 28 per cent mineral ores and 42 per cent soil materials. In imports most weight was laid on crude oil, 30 per cent and timber, 17 per cent of the total weight of imports. Of the weight of exports, oil refined products and forest industry products had the biggest shares.

Total material requirement amounted to good 600 million tonnes in 2019, which is also over five per cent lower than in the year before. In addition to domestic direct inputs and imports, total material requirement includes unused extraction related to forestry and the extractive industry, as well as hidden flows from imports. The decrease in total material requirement was particularly caused by the decrease in ore and soil extraction, the related unused extraction, and the imports of metals and metal products and their hidden flows.

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Appendix table 1. Total material requirement by material groups 2007–2019

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Materials total	548	578	483	560	563	544	584	538	547	594	612	642	606
Plants and wild animals	11	11	11	9	10	9	12	11	11	11	10	10	12
Wood	51	56	37	47	46	46	55	54	55	57	57	64	61
Minerals	141	166	159	204	203	187	216	189	204	246	256	275	249
Soil materials	160	161	134	138	134	137	142	121	122	116	118	120	116
Manufactured imports	185	184	143	161	170	164	161	163	157	164	171	173	168

Appendix table 2. Direct input requirement by material groups 2007–2019

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Materials total	259	265	222	247	248	241	274	228	221	230	237	240	235
Plants and wild animals	10	10	10	9	9	9	10	10	9	9	9	8	10
Wood	40	43	29	37	37	37	43	42	43	44	44	50	48
Minerals	57	62	64	76	75	68	78	51	50	61	66	62	62
Soil materials	127	124	97	101	101	103	105	88	85	79	82	84	80
Manufactured imports	25	26	21	24	25	24	38	37	34	36	36	36	35

Appendix table 3. Hidden flow requirement by material groups 2007–2019

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Materials total	289	313	262	314	315	303	310	310	326	364	375	402	370
Plants and wild animals	0	0	0	0	0	0	2	1	1	2	1	1	1
Wood	11	14	7	10	10	9	11	11	12	12	12	14	13
Minerals	84	104	95	129	128	119	137	138	153	185	190	214	187
Soil materials	32	37	37	37	33	34	36	33	37	38	36	36	36
Manufactured imports	160	158	122	137	144	140	123	126	123	128	135	137	133

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