

Economy-wide material flow accounts 2018

Domestic material consumption 191 million tonnes in 2018

Domestic material consumption remained unchanged at 191 million tonnes. The use of wood increased by five million tonnes amounting to 49 million tonnes in 2018.

The use of domestic direct inputs remained unchanged at 180 million tonnes in 2018. Use of domestic direct inputs refers to the use of domestic natural resources, including materials extracted from nature for further processing.

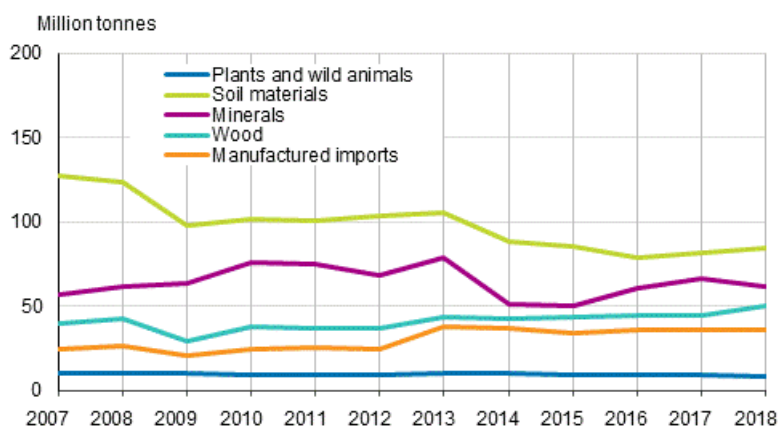
When imports are added to and exports subtracted from domestic direct inputs, the result is domestic material consumption (DMC indicator). Compared to the previous year, both imports and exports grew by four million tonnes, thus, domestic material consumption remained unchanged at 191 million tonnes.

Domestic material consumption 2007–2018

Million tonnes	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Domestic direct inputs	195	196	169	187	186	185	215	170	167	172	180	180
Foreign direct inputs	64	69	53	60	62	56	58	57	53	57	56	60
Exports	44	42	35	42	44	44	45	45	42	44	45	49
Domestic material consumption	214	222	186	204	203	197	229	183	179	185	191	191

The use of wood increased by five million tonnes amounting to 49 million tonnes in 2018. In 2018, altogether 20 per cent of used direct inputs were wood. Sixty-one million tonnes of minerals and 84 million tonnes of soil materials were used. Direct inputs include domestic direct inputs and imports.

Use of direct inputs by material group 2007 to 2018, million tonnes



In 2018, altogether 642 million tonnes of natural resources were used, which was close on five per cent more than in 2017. Total usage of natural resources includes unused extractions in forestry and mining and quarrying as well as hidden flows of imports. Unused extractions amounted to 165 million tonnes and hidden flows from imported products to 237 million tonnes in total.

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Appendix table 1. Total material requirement by material groups 2007–2018

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Materials total	548	578	483	560	563	544	584	538	547	593	612	642
Plants and wild animals	11	11	11	9	10	9	10	10	9	9	9	9
Wood	51	56	37	47	46	46	54	53	54	56	56	64
Minerals	141	166	159	204	203	187	215	189	203	245	256	275
Soil materials	160	161	134	138	134	137	141	121	121	116	117	120
Manufactured imports	185	184	143	161	170	164	161	164	157	165	171	173

Appendix table 2. Direct input requirement by material groups 2007–2018

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Materials total	258	265	221	247	247	240	274	228	221	229	237	240
Plants and wild animals	10	10	10	8	9	8	9	10	9	9	9	8
Wood	39	42	29	37	36	36	43	42	43	44	44	49
Minerals	56	61	63	75	75	68	78	51	50	60	66	61
Soil materials	127	123	97	101	100	103	105	87	84	78	81	84
Manufactured imports	24	26	20	24	25	24	37	37	33	36	35	36

Appendix table 3. Hidden flow requirement by material groups 2007–2018

Millions tons	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Materials total	288	313	261	313	315	302	309	309	325	363	375	401
Plants and wild animals	0	0	0	0	0	0	0	0	0	0	0	0
Wood	11	13	7	9	9	9	11	11	11	12	12	14
Minerals	84	104	94	128	127	119	137	137	153	184	190	213
Soil materials	32	37	37	37	33	34	36	33	36	37	35	36
Manufactured imports	160	157	121	137	144	139	124	127	123	128	136	137

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Source: Economy-wide material flow accounts 2018, Statistics Finland