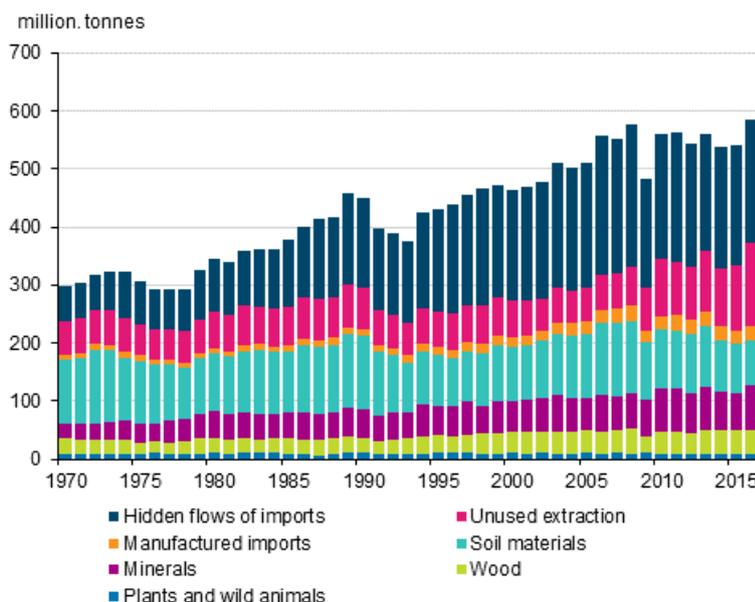


Economy-wide material flow accounts 2016

Mining and quarrying boosted the material flow

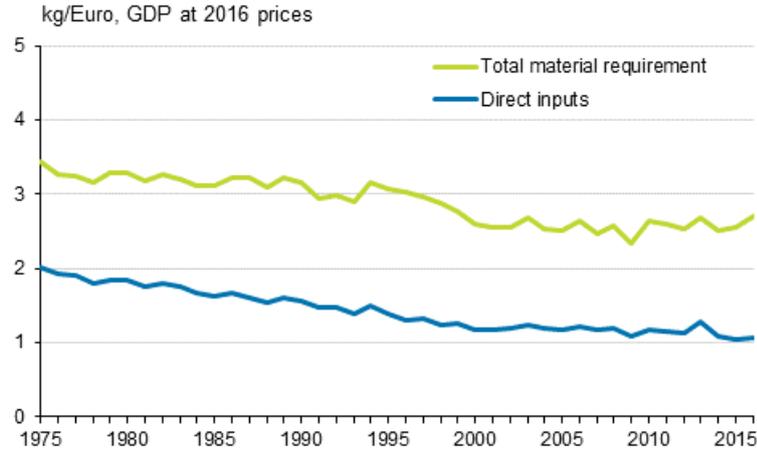
In 2016, altogether 317 million tonnes of materials were extracted from the soil and vegetation of Finland, which is 34 million tonnes more than in 2015. The growth in the material flow was based on the increased excavation volume in mining and quarrying and growth in unused extraction. The use of domestic direct inputs remained almost at the same level as in 2015. In addition, some 57 million tonnes of products and raw materials were imported to Finland in 2016, which generated an estimated 211 million tonnes of hidden flows for the production countries. All in all, the Finnish total material requirement was 585 million tonnes in 2016, which was 8.5 per cent more than in the previous year.

Total material requirement by material group in 1970 to 2016



In the 2000s, the decrease in the material intensity of Finland's economy has slowed down, which means that material productivity is growing more slowly than in previous decades. In the 2000s, around 1.2 kg of direct inputs has been required to produce one euro, while in the 1970s the requirement was close on two kg.

Material intensity of Finland's economy in 1975 to 2016



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Appendix tables

Appendix table 1 Total material requirement by material groups 2006 - 2016

1 000 tonnes	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Plants and wild animals	9 564	10 542	10 516	10 555	9 091	9 728	9 227	9 723	9 945	9 193	9 319
2. Wood	48 000	51 147	56 198	36 870	47 233	46 426	45 660	50 689	49 947	50 915	52 682
3. Minerals	160 981	141 046	166 254	158 667	204 444	202 758	187 239	217 122	189 581	198 518	235 884
4. Soil materials	155 645	159 719	161 307	134 381	138 456	134 207	137 494	141 503	121 031	121 739	116 405
5. Manufactured imports	177 519	184 961	183 829	142 936	161 409	169 529	163 973	151 107	158 278	158 686	170 825
Total	551 709	547 415	578 104	483 410	560 632	562 647	543 594	570 144	528 782	539 051	585 116

Appendix table 2 Direct input requirement by material groups 2006 - 2016

1 000 tonnes	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Plants and wild animals	9 262	10 306	10 186	10 285	8 868	9 499	8 954	9 447	9 689	8 985	9 117
2. Wood	37 352	39 775	42 670	29 494	37 291	36 769	36 530	40 384	39 643	40 399	41 707
3. Minerals	64 485	56 783	61 955	63 782	75 647	75 094	68 044	94 382	67 062	63 499	75 392
4. Soil materials	123 159	127 191	123 928	97 273	101 083	100 858	103 126	105 223	87 988	84 948	78 860
5. Manufactured imports	23 238	24 662	26 304	20 999	24 151	25 401	24 214	24 160	23 904	23 478	24 764
Total	257 495	258 717	265 043	221 833	247 040	247 621	240 868	273 596	228 285	221 308	229 839

Appendix table 3 Hidden flow requirement by material groups 2006 - 2016

1 000 tonnes	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Plants and wild animals	302	237	330	271	223	229	274	276	256	208	203
2. Wood	10 648	11 372	13 529	7 376	9 941	9 657	9 131	10 305	10 304	10 516	10 975
3. Minerals	96 497	84 263	104 299	94 885	128 797	127 664	119 195	122 740	122 519	135 019	160 493
4. Soil materials	32 486	32 528	37 379	37 108	37 373	33 349	34 368	36 280	33 043	36 791	37 545
5. Manufactured imports	154 281	160 299	157 524	121 937	137 258	144 129	139 759	126 946	134 375	135 209	146 061
Total	294 214	288 698	313 061	261 577	313 592	315 027	302 726	296 548	300 497	317 742	355 277

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Source: Economy-wide material flow accounts 2016, Statistics Finland