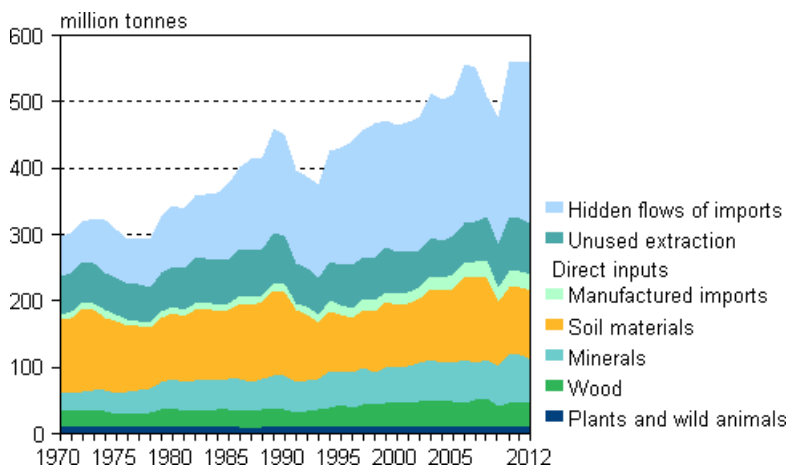


Economy-wide material flow accounts 2012

Direct natural resource inputs decreased by 2 per cent

In 2012, direct inputs used by the national economy totalled around 240 million tonnes, of which domestic inputs made up 185 million tonnes. The biggest domestic natural resource inputs are ore, gravel and sand, and wood and plants. Plants and wild animals accounted for around five per cent of domestic inputs, i.e. ten million tonnes. Over the past decades, the use of domestic natural resources has been at its lowest during the 1990s recession, in 1993 around 140 million tonnes.

Total material requirement by material groups 1970–2012

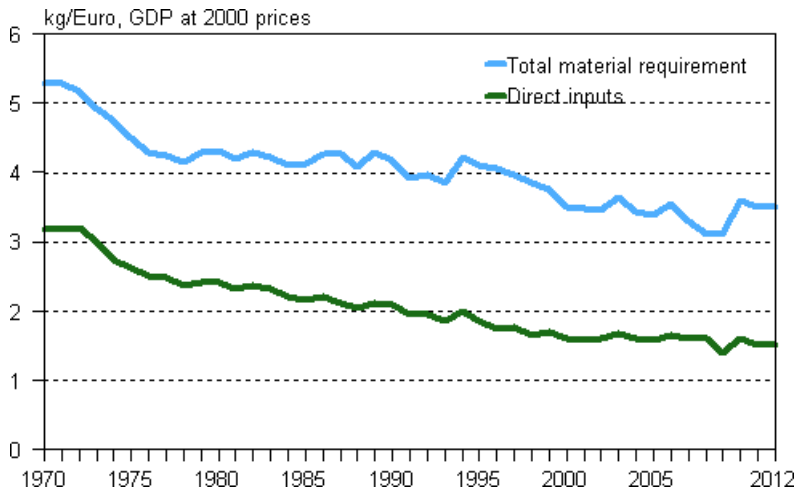


In 2012, Finland's national economy used altogether 560 million tonnes of natural resources. Of this amount, around 245 million tonnes remained abroad as hidden flows and about 75 million tonnes were extracted, but unused in the home country. Unused natural resources in the home country come particularly from mining and quarrying, transfer of soil materials and felling. The amount of hidden flows and unused natural resources is bigger than that of inputs.

In 2012, the biggest changes in domestic inputs from the year before were decreases in peat extraction and increases in mining of metal ores. Direct inputs of imported processed products diminished by nearly five per cent, but their hidden flows grew by almost four per cent. This was occasioned by growing imports of ores and electrical equipment. Large hidden flows from abroad are connected to them.

Statistics Finland started publishing the Economy-wide material flow accounts in 2011. The statistics are part of environmental accounts, on which the European Union passed a Regulation in 2011 and the UN gave an international recommendation last year.

Material intensity of Finland's economy 1970-2012



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Appendix tables

Appendix table 1. Total material requirement by material groups 2001–2012

1 000 tonnes	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1. Plants and wild animals	10 467	10 802	9 858	10 198	10 664	9 564	10 542	10 315	10 493	9 051	9 699	9 259
1.1 direct inputs	10 043	10 299	9 521	9 792	10 343	9 262	10 306	10 102	10 204	8 796	9 432	8 958
1.2 hidden flows	424	504	337	406	321	302	237	213	290	254	268	301
2. Wood	47 921	49 124	49 915	50 025	50 148	48 000	51 147	53 741	36 190	46 621	45 235	44 908
2.1 direct inputs	36 427	37 396	38 238	38 571	38 563	37 352	39 775	43 132	30 559	38 148	37 778	37 505
2.2 hidden flows	11 493	11 728	11 677	11 453	11 586	10 648	11 372	10 610	5 631	8 472	7 457	7 404
3. Minerals	148 190	149 110	163 421	145 843	139 121	160 981	141 046	129 843	148 753	196 987	194 922	189 049
3.1 direct inputs	55 465	57 630	62 759	56 982	57 196	64 485	56 783	58 139	60 561	71 923	71 666	65 660
3.2 hidden flows	92 725	91 479	100 662	88 860	81 925	96 497	84 263	71 704	88 192	125 063	123 256	123 388
4. Soil materials	124 416	126 252	137 208	137 969	140 594	155 645	159 719	161 307	134 381	138 456	134 207	137 494
4.1 direct inputs	94 205	98 152	106 182	108 822	110 842	123 159	127 191	123 928	97 273	101 083	100 858	103 126
4.2 hidden flows	30 212	28 100	31 026	29 147	29 752	32 486	32 528	37 379	37 108	37 373	33 349	34 368
5. Manufactured imports	135 021	138 212	147 641	154 875	163 759	177 519	184 961	152 291	147 335	168 165	175 261	179 572
5.1 direct inputs	17 721	17 796	19 511	20 279	21 430	23 238	24 662	26 304	20 999	24 151	25 401	24 214
5.2 hidden flows	117 300	120 417	128 131	134 596	142 328	154 281	160 299	125 987	126 336	144 014	149 861	155 358
Total	466 015	473 500	508 043	498 909	504 286	551 709	547 415	507 498	477 153	559 279	559 324	560 283
direct inputs	213 861	221 273	236 210	234 446	238 374	257 495	258 717	261 605	219 595	244 103	245 134	239 464
hidden flows	252 154	252 227	271 833	264 463	265 912	294 214	288 698	245 892	257 557	315 177	314 190	320 819

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Source: Economy-wide material flow accounts 2012, Statistics Finland