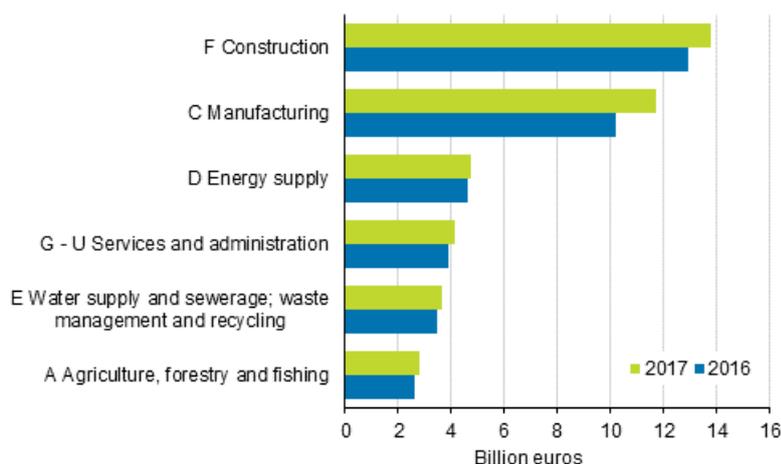


Environmental goods and services sector 2017

Weight of the environmental goods and services sector has grown

The value of Finland's environmental goods and services sector was nearly EUR 41 billion in 2017. Good 136,000 staff-years were made in the environmental goods and services sector and its exports amounted to around EUR nine billion. The value added of the environmental goods and services sector was over EUR 13 billion, which was around seven per cent of the value added of the entire national economy. The share of the value added of the environmental goods and services sector in the entire national economy has grown by around one percentage point from 2012 to 2017. These data derive from Statistics Finland's statistics on the environmental goods and services sector.

Turnover of the environmental goods and services sector by industry in 2016 and 2017, EUR billion



The turnover of the biggest industry of the environmental goods and services sector, construction, was in 2017 almost EUR 14 billion, that is, one-third of the whole environmental goods and services sector. Good 34,000 staff-years were worked in construction and its value added was good EUR two billion.

In 2017, the majority of the turnover from the environmental goods and services sector, 85 per cent, was connected to resource management and the remaining 15 per cent to environmental protection. The biggest product categories of resource management were heat and energy saving and management, with a turnover of over EUR 13 billion, production of energy from renewable resources, around EUR eight billion, and management of minerals, with a turnover of good EUR five billion. The biggest product categories of environmental protection were waste water management with a turnover of over EUR three billion and waste management with a turnover of EUR two billion.

The value of the turnover from the environmental goods and services sector increased by almost eight per cent from 2016 to 2017. The value of the value added grew by over nine per cent and that of exports by nearly 17 per cent. The number of staff-years increased by close on two per cent. The majority of the growth in the environmental goods and services sector is explained by increases in low energy construction, the use of recycled metals in the metal industry and the production of bio-based chemicals.

The concepts and definitions of the statistics are based on EU Regulation (No 691/2011 and 538/2014) on European environmental economic accounts and on Eurostat's manuals. Starting from the environmental goods and services sector 2015 release, the statistics are not comparable with the old statistics based on a sample inquiry.

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Appendix table 1. Turnover of the environmental goods and services sector by industry 2012-2017, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	2 199	2 501	2 546	2 426	2 626	2 772
01, 03 Agriculture, fishing and hunting	108	109	114	97	94	119
02 Forestry	2 091	2 393	2 431	2 328	2 484	2 653
B Mining and quarrying	3	3	4	4	5	5
C Manufacturing	9 274	9 045	11 286	10 713	10 220	11 739
16 - 17 Forest industry	2 500	2 678	2 897	2 721	2 831	3 032
19 - 22 Chemical industry	286	278	1 491	1 596	1 575	2 174
24 - 30, 33 Metal industry	6 237	5 894	6 742	6 247	5 657	6 360
10 - 15, 18, 23, 31 - 32 Other manufacturing	252	195	156	149	157	173
D Energy supply	4 181	3 905	4 141	4 668	4 645	4 740
E Water supply and waste management	3 020	3 183	3 347	3 353	3 460	3 629
36 - 37 Water supply and sewerage	1 259	1 297	1 380	1 447	1 448	1 502
38 - 39 Waste management, materials recycling and other waste management services	1 762	1 886	1 968	1 906	2 012	2 126
F Construction	11 053	10 746	10 497	10 755	12 923	13 805
G - U Services and administration	3 684	3 688	3 655	3 719	3 920	4 112
Total	33 414	33 071	35 476	35 639	37 800	40 801

Appendix table 2. Value added of environmental goods and services sector by industry 2012-2017, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	1 604	1 850	1 898	1 829	1 998	2 105
01, 03 Agriculture, fishing and hunting	36	40	35	26	32	37
02 Forestry	1 568	1 810	1 863	1 803	1 917	2 068
B Mining and quarrying	1	1	1	2	2	2
C Manufacturing	1 953	1 989	2 384	2 466	2 505	3 032
16 - 17 Forest industry	516	554	631	623	646	679
19 - 22 Chemical industry	90	87	378	428	465	636
24 - 30, 33 Metal industry	1 253	1 277	1 321	1 363	1 335	1 654
10 - 15, 18, 23, 31 - 32 Other manufacturing	94	71	55	52	59	63
D Energy supply	1 899	1 855	1 941	2 270	2 051	2 229
E Water supply and waste management	1 444	1 558	1 637	1 660	1 711	1 752
36 - 37 Water supply and sewerage	796	804	850	887	923	934
38 - 39 Waste management, materials recycling and other waste management services	648	754	787	773	787	818
F Construction	1 847	1 825	1 829	1 891	2 075	2 248
G - U Services and administration	1 792	1 739	1 732	1 802	1 939	2 045
Total	10 539	10 817	11 421	11 921	12 280	13 415

Appendix table 3. Exports of environmental goods and services sector by industry 2012-2017, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	53	53	55	55	50	55
01, 03 Agriculture, fishing and hunting	14	15	17	19	11	17

Industry (TOL2008)	2012	2013	2014	2015	2016	2017
02 Forestry	39	38	39	36	37	38
B Mining and quarrying	0	0	1	1	1	1
C Manufacturing	6 050	5 894	7 353	7 214	7 016	8 274
16 - 17 Forest industry	1 465	1 610	1 777	1 695	1 751	1 875
19 - 22 Chemical industry	142	158	1 081	1 155	1 241	1 858
24 - 30, 33 Metal industry	4 384	4 080	4 461	4 332	3 991	4 505
10 - 15, 18, 23, 31 - 32 Other manufacturing	59	46	34	32	32	34
D Energy supply	64	44	66	82	47	30
E Water supply and waste management	371	339	290	262	260	327
36 - 37 Water supply and sewerage	.	.	.	.	.	.
38 - 39 Waste management, materials recycling and other waste management services	371	339	290	262	260	327
F Construction	3	.	.	.	.	.
G - U Services and administration	313	430	288	388	559	574
Total	6 854	6 758	8 052	8 001	7 933	9 260

Appendix table 4. Employment of environmental goods and services sector by industry 2012-2017, full time equivalent

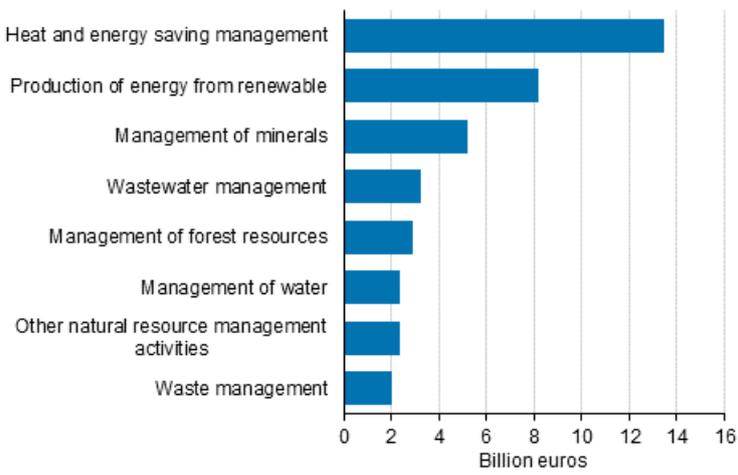
Industry (TOL2008)	2012	2013	2014	2015	2016	2017
A Agriculture, forestry and fishing	15 260	15 368	15 151	14 310	14 039	14 318
01, 03 Agriculture, fishing and hunting	1 932	1 895	2 152	1 919	1 778	2 279
02 Forestry	13 328	13 473	12 999	12 391	11 810	12 039
B Mining and quarrying	10	10	15	15	18	17
C Manufacturing	24 585	23 669	25 696	24 866	24 080	24 826
16 - 17 Forest industry	6 051	6 294	6 341	6 134	6 184	6 088
19 - 22 Chemical industry	1 225	1 218	3 234	3 376	3 387	4 165
24 - 30, 33 Metal industry	15 937	15 129	15 313	14 590	13 741	13 782
10 - 15, 18, 23, 31 - 32 Other manufacturing	1 371	1 029	807	766	769	793
D Energy supply	6 646	6 100	6 044	6 697	6 709	6 669
E Water supply and waste management	11 188	11 789	12 001	12 042	12 229	12 679
36 - 37 Water supply and sewerage	4 705	4 707	4 705	4 806	4 606	4 706
38 - 39 Waste management, materials recycling and other waste management services	6 483	7 082	7 296	7 236	7 623	7 974
F Construction	31 004	30 342	30 655	31 121	33 189	34 315
G - U Services and administration	43 248	42 497	42 579	42 567	43 950	43 565
Total	131 940	129 773	132 143	131 618	134 217	136 393

Appendix table 5. Turnover of the environmental goods and services sector by product classes 2012-2017, million euros

Environmental goods and services class	2012	2013	2014	2015	2016	2017
Environmental protection total	5 581	5 657	5 678	5 732	5 895	6 238
Protection of ambient air and climate	182	215	212	195	229	248
Wastewater management	2 755	2 729	2 714	2 856	2 995	3 234
Waste management	1 882	1 838	1 889	1 789	1 939	1 988
Protection and remediation of soil, groundwater and surface water	107	151	153	147	152	175
Other environmental protection activities	654	725	710	745	579	592
Management of natural resources total	27 833	27 414	29 798	29 905	31 905	34 563
Management of water	1 890	1 905	1 935	2 053	2 191	2 376
Management of forest resources	2 499	2 769	2 929	2 606	2 786	2 919
Production of energy from renewable resources	5 363	5 009	6 546	7 212	7 363	8 186
Heat/ energy saving and management	11 041	10 978	10 725	10 822	12 744	13 487
Minimisation of the use of fossil energy as raw materials	70	67	72	66	68	61
Management of minerals	4 868	4 579	5 503	5 004	4 532	5 181
Other natural resource management activities	2 101	2 106	2 087	2 142	2 221	2 352
Total	33 414	33 071	35 476	35 639	37 800	40 801

Appendix figures

Appendix figure 1. Turnover of the environmental goods and services sector by product classes 2017, billion euros



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Source: Environmental goods and services sector 2017, Statistics Finland