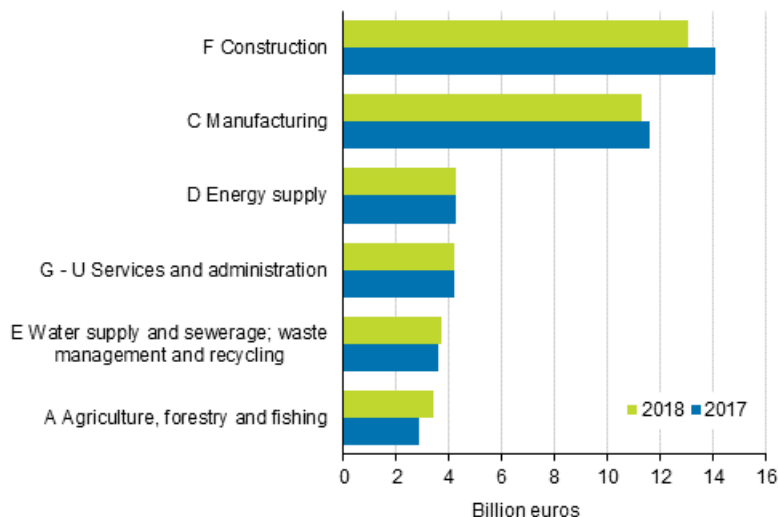


Environmental goods and services sector 2018

Turnover from the environmental goods and services sector EUR 40 billion

The turnover from Finland's environmental goods and services sector was EUR 40 billion in 2018. Good 160,000 staff-years were made in the environmental goods and services sector. The value of exports was some EUR nine billion and the value added reached almost EUR 16 billion, which is close on eight per cent of the value added of the entire national economy. The share of value added has remained more or less the same since 2012. 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 2017 and 2018, billion euros



The turnover of the biggest industry of the environmental goods and services sector, construction, was more than EUR 13 billion in 2018. This is one-third of the whole environmental goods and services sector. Good 59,000 staff-years were worked in construction and its value added was good EUR four billion.

In 2018, 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 clearly biggest product category of resource management was management of energy resources with a turnover of nearly EUR 21 billion. The second largest product categories were management of minerals, turnover close on EUR five billion and water supply with a turnover of more than EUR three 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 decreased by two per cent from 2017 to 2018. The value of the value added, in turn, grew by one per cent and the value of exports declined by more than five per cent. The number of staff-years decreased by three per cent.

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Appendix table 1. Turnover of the environmental goods and services sector by industry 2012-2018, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017	2018
A Agriculture, forestry and fishing	2 197	2 498	2 546	2 485	2 627	2 856	3 385
01, 03 Agriculture, fishing and hunting	106	106	115	99	94	119	140
02 Forestry	2 091	2 393	2 431	2 386	2 532	2 736	3 245
B Mining and quarrying	3	3	4	4	5	5	5
C Manufacturing	9 274	9 110	10 892	10 399	10 152	11 631	11 326
16 - 17 Forest industry	2 500	2 678	2 869	2 703	2 810	2 938	2 862
19 - 22 Chemical industry	285	279	1 492	1 591	1 575	2 174	2 274
24 - 30, 33 Metal industry	6 238	5 958	6 376	5 956	5 610	6 375	5 768
10 - 15, 18, 23, 31 - 32 Other manufacturing	252	195	156	149	158	144	422
D Energy supply	3 664	3 643	3 694	4 002	3 998	4 228	4 259
E Water supply and waste management	3 020	3 183	3 348	3 440	3 458	3 601	3 681
36 - 37 Water supply and sewerage	1 259	1 297	1 380	1 395	1 448	1 475	1 612
38 - 39 Waste management, materials recycling and other waste management services	1 762	1 886	1 968	2 045	2 010	2 126	2 069
F Construction	11 177	10 840	10 618	11 446	13 309	14 095	13 047
G - U Services and administration	3 713	3 727	3 711	3 861	3 981	4 210	4 211
Total	33 049	33 004	34 814	35 637	37 528	40 626	39 915

Appendix table 2. Value added of environmental goods and services sector by industry 2012-2018, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017	2018
A Agriculture, forestry and fishing	1 616	1 845	1 902	1 867	1 996	2 137	2 571
01, 03 Agriculture, fishing and hunting	32	31	35	29	29	37	42
02 Forestry	1 583	1 814	1 867	1 838	1 967	2 100	2 528
B Mining and quarrying	1	1	1	1	2	2	1
C Manufacturing	1 953	1 989	2 356	2 556	2 479	2 897	2 886
16 - 17 Forest industry	516	554	625	609	638	654	618
19 - 22 Chemical industry	90	88	378	449	464	607	671
24 - 30, 33 Metal industry	1 253	1 277	1 299	1 444	1 318	1 585	1 450
10 - 15, 18, 23, 31 - 32 Other manufacturing	94	71	54	54	58	51	148
D Energy supply	1 664	1 730	1 740	1 843	1 765	1 971	2 039
E Water supply and waste management	1 446	1 560	1 639	1 664	1 711	1 703	1 753
36 - 37 Water supply and sewerage	796	804	850	862	923	880	953
38 - 39 Waste management, materials recycling and other waste management services	650	756	788	802	788	822	800
F Construction	4 011	3 809	3 672	4 180	4 720	4 826	4 439
G - U Services and administration	1 815	1 768	1 770	1 882	1 961	2 066	2 067
Total	12 505	12 702	13 081	13 993	14 634	15 601	15 756

Appendix table 3. Exports of environmental goods and services sector by industry 2012-2018, million euros

Industry (TOL2008)	2012	2013	2014	2015	2016	2017	2018
A Agriculture, forestry and fishing	52	53	45	58	50	56	61
01, 03 Agriculture, fishing and hunting	14	15	14	20	11	17	20

Industry (TOL2008)	2012	2013	2014	2015	2016	2017	2018
02 Forestry	38	38	31	38	39	39	41
B Mining and quarrying	0	0	1	1	1	1	1
C Manufacturing	6 051	5 894	6 897	7 020	6 998	8 146	7 736
16 - 17 Forest industry	1 465	1 609	1 769	1 633	1 739	1 832	1 656
19 - 22 Chemical industry	142	157	992	1 213	1 241	1 792	1 802
24 - 30, 33 Metal industry	4 385	4 081	4 100	4 142	3 988	4 495	4 207
10 - 15, 18, 23, 31 - 32 Other manufacturing	59	46	36	31	31	28	72
D Energy supply	56	41	23	66	41	27	26
E Water supply and waste management	370	338	291	306	259	332	309
36 - 37 Water supply and sewerage
38 - 39 Waste management, materials recycling and other waste management services	370	338	291	306	259	332	309
F Construction	3	.	.	0	3	.	.
G - U Services and administration	314	429	286	452	562	572	496
Total	6 846	6 755	7 542	7 902	7 655	9 133	8 629

Appendix table 4. Employment of environmental goods and services sector by industry 2012-2018, full time equivalent

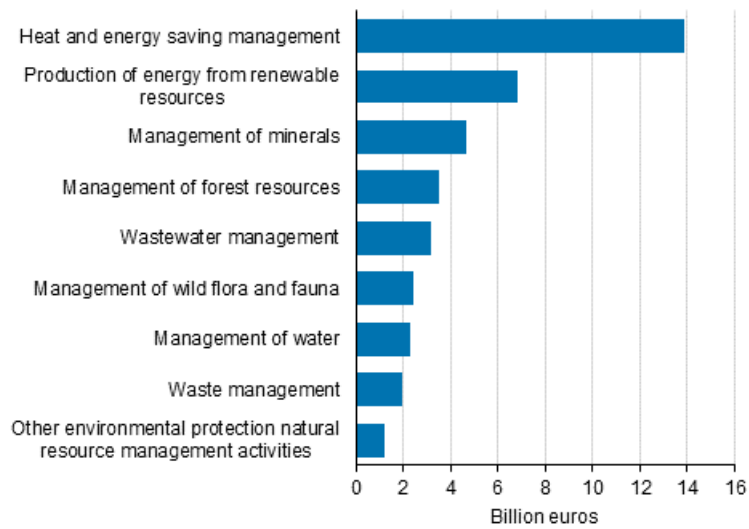
Industry (TOL2008)	2012	2013	2014	2015	2016	2017	2018
A Agriculture, forestry and fishing	13 628	14 002	13 844	12 930	12 674	13 245	14 396
01, 03 Agriculture, fishing and hunting	1 831	1 767	2 030	1 804	1 583	1 924	2 087
02 Forestry	11 797	12 234	11 814	11 126	11 092	11 320	12 308
B Mining and quarrying	11	12	18	17	21	20	16
C Manufacturing	24 590	23 758	25 266	24 310	23 771	23 943	23 368
16 - 17 Forest industry	6 052	6 350	6 354	5 937	6 233	5 946	5 171
19 - 22 Chemical industry	1 217	1 209	3 211	3 384	3 359	4 044	4 087
24 - 30, 33 Metal industry	15 951	15 164	14 891	14 227	13 407	13 310	12 367
10 - 15, 18, 23, 31 - 32 Other manufacturing	1 369	1 034	811	763	772	643	1 743
D Energy supply	5 824	5 690	5 390	5 783	5 774	5 981	5 833
E Water supply and waste management	11 179	11 774	11 992	12 159	12 205	12 585	12 681
36 - 37 Water supply and sewerage	4 706	4 707	4 705	4 706	4 605	4 706	5 142
38 - 39 Waste management, materials recycling and other waste management services	6 474	7 067	7 287	7 453	7 601	7 879	7 539
F Construction	57 827	52 314	51 948	56 841	63 397	65 375	59 303
G - U Services and administration	43 543	42 973	43 770	44 551	44 736	44 140	44 703
Total	156 603	150 521	152 228	156 591	162 579	165 289	160 300

Appendix table 5. Turnover of the environmental goods and services sector by product classes 2012-2018, million euros

Environmental goods and services class	2012	2013	2014	2015	2016	2017	2018
Environmental protection total	5 618	5 684	5 580	5 810	6 076	6 341	6 138
Protection of ambient air and climate	182	216	200	194	233	251	229
Wastewater management	2 793	2 757	2 766	2 917	3 165	3 333	3 148
Waste management	1 883	1 839	1 934	1 958	1 940	1 994	1 979
Protection and remediation of soil, groundwater and surface water	106	148	154	149	152	175	195
Other environmental protection activities	654	725	526	593	586	588	587
Management of natural resources total	27 431	27 320	29 234	29 827	31 452	34 284	33 776
Management of water	1 915	1 924	1 978	2 116	2 305	2 420	2 314
Management of forest resources	2 499	2 769	2 901	2 656	2 786	3 004	3 503
Production of energy from renewable resources	1 994	2 018	2 045	2 079	2 163	2 333	2 427
Heat/ energy saving and management	4 846	4 791	6 100	6 481	6 669	7 577	6 846
Minimisation of the use of fossil energy as raw materials	11 103	11 046	10 845	11 498	12 815	13 588	13 870
Management of minerals	4 869	4 580	5 175	4 807	4 531	5 201	4 644
Other natural resource management activities	205	191	189	190	185	162	172
Total	33 049	33 004	34 814	35 637	37 528	40 626	39 915

Appendix figures

Appendix figure 1. Turnover of the environmental goods and services sector by product classes 2018, billion euros



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Source: Environmental goods and services sector 2018, Statistics Finland