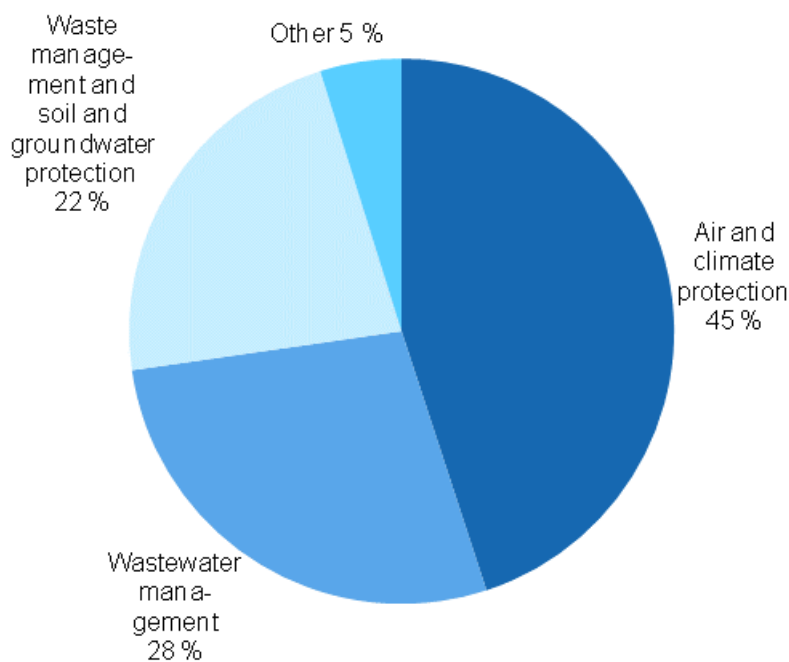


Environmental protection expenditure in industry 2012

Industry invested in environmental protection more than before in 2012

In 2012, industry invested in environmental protection more than before, around EUR 302 million. Of the sectors of industry, the biggest investors were the metal industry and energy supply. The majority of environmental investments was directed to air protection. Of all environmental protection expenditure in industry, the biggest part was formed by operating expenditure caused by environmental protection, most of which consists of the operating and maintenance costs of environmental protection equipment.

Allocation of environmental protection investments in 2012



Environmental protection investments in industry amounted to around EUR 302 million in 2012, which is more than ever before. Most investments were made in environmental protection by the metal industry

and energy supply, both over EUR 70 million. The majority of environmental investments in energy production and one-half of those in the metal industry were directed to air protection.

The biggest share, 45 per cent, of all environmental investments in industry was directed to air protection, in all EUR 136 million. This sum includes investments for controlling various different air emissions. However, excluded from the statistics are part of the measures aimed at reducing greenhouse gases, as the statistics do not cover energy saving measures.

The share of water protection was again the second biggest and made up 28 per cent of all environmental investments. Waste management and soil and groundwater protection had a share of 22 per cent.

In addition to investments, environmental protection equipment and measures cause operating costs and other operating expenditure such as administrative and research costs. In 2012, operating expenditure caused by environmental protection amounted to nearly EUR 560 million, which comprised 65 per cent of all environmental protection expenditure in industry. The bulk of operating expenditure consisted of the operating and maintenance costs of various environmental protection equipment. Of these, the biggest share was still directed to water protection, which in 2012 accounted for 42 per cent of the operating and maintenance costs of environmental protection.

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Appendix tables

Appendix table 1. Environmental protection investments by sector of industry

	2010	2011	2012
	1000 €		
Energy and water supply	48 478	85 981	73 471
Forest industry	7 508	13 471	41 530
Chemical and mineral industry	34 398	67 308	58 952
Metal industry	37 995	45 619	71 548
Other industry	50 083	46 859	56 109
Total	178 463	259 240	301 613

Appendix table 2. Allocation of environmental protection investments

	Air	Water	Waste	Other	Total
	1000 €				
2010	83 759	29 536	60 750	4 417	178 463
2011	132 514	28 203	93 980	4 541	259 240
2012	135 602	83 711	67 736	14 562	301 613

Appendix table 3. Investments into treatment of emissions and cleaner production technology

		End-of-pipe	Process-integrated	Total
		1000 €		
2011	Energy and water supply	23 708	62 272	85 981
	Forest industry	6 967	6 503	13 471
	Chemical and mineral industry	58 949	8 358	67 308
	Metal industry	25 884	19 735	45 619
	Other industry	44 493	2 365	46 859
	Total	160 004	99 235	259 240
2012	Energy and water supply	16 077	57 394	73 471
	Forest industry	25 698	15 832	41 530
	Chemical and mineral industry	42 880	16 072	58 952
	Metal industry	49 818	21 729	71 548
	Other industry	48 278	7 831	56 109
	Total	182 752	118 860	301 613

Appendix table 4. Operating expenditure of environmental protection by sector of industry

		Running and maintenance	Other operating expenditure	Total
		1000 €		
2010	Energy and water supply	52 544	19 421	71 966
	Forest industry	104 095	7 259	111 355
	Chemical and mineral industry	82 075	8 040	90 116
	Metal industry	122 032	8 250	130 283
	Other industry	88 308	33 940	122 249
	Total	449 058	76 913	525 971
2011	Energy and water supply	49 877	20 594	70 472
	Forest industry	110 575	9 504	120 079
	Chemical and mineral industry	125 607	14 565	140 172
	Metal industry	124 074	9 120	133 195
	Other industry	113 107	39 900	153 007
	Total	523 243	93 683	616 927
2012	Energy and water supply	33 543	19 095	52 639
	Forest industry	115 898	7 692	123 591
	Chemical and mineral industry	88 587	10 546	99 134
	Metal industry	121 556	8 651	130 207
	Other industry	145 870	7 770	153 641
	Total	505 456	53 757	559 213

Appendix table 5. Allocation of operating and maintenance expenditure of environmental protection

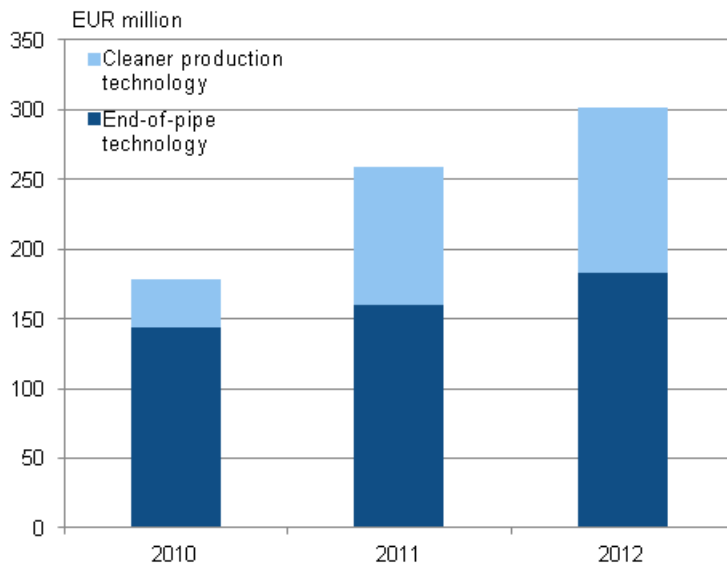
	Air	Water	Waste	Other	Total
	1000 €				
2010	115 760	171 905	158 431	2 961	449 058
2011	148 607	195 295	174 648	4 692	523 243
2012	147 624	210 020	146 547	1 263	505 456

Appendix table 6. Other operating expenditure of environmental protection by use

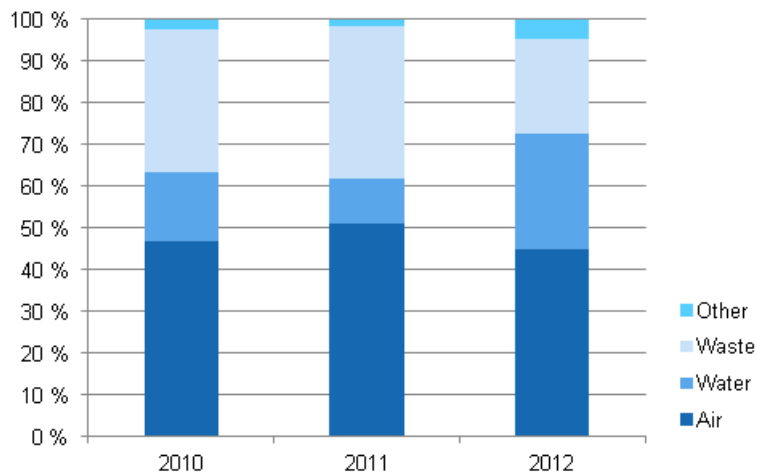
	2010	2011	2012
	1000 €		
Research and development	9 032	5 215	7 608
Environmental administration	29 703	31 932	29 637
Compensations and other charges	38 176	56 535	16 510
Total	76 913	93 683	53 757

Appendix figures

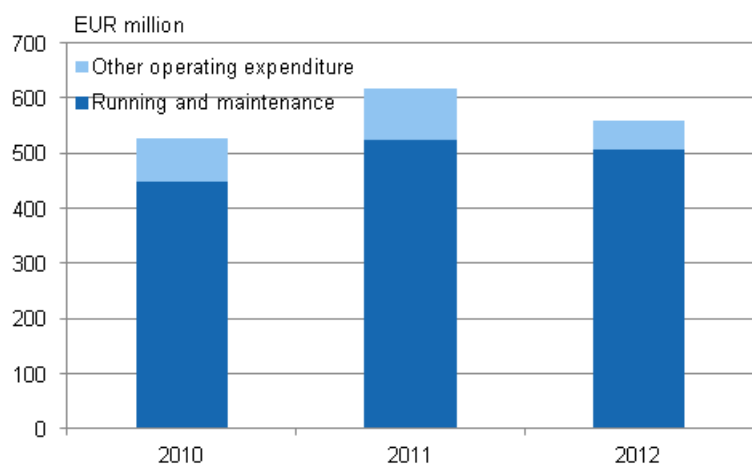
Appendix figure 1. Environmental protection investments in industry



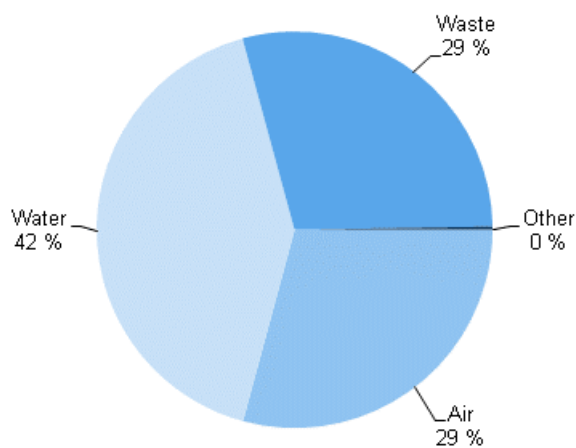
Appendix figure 2. Allocation of environmental investments in industry



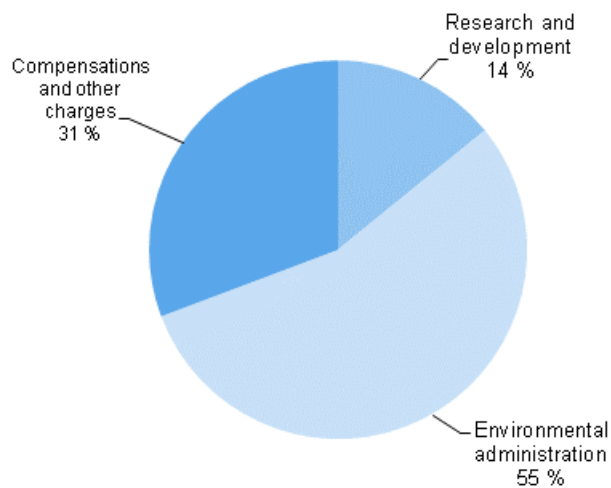
Appendix figure 3. Operating expenditure of environmental protection in industry



Appendix figure 4. Allocation of operating and maintenance expenditure of environmental protection in 2012



Appendix figure 5. Other operating expenditure of environmental protection in 2012



Suomen virallinen tilasto
Finlands officiella statistik
Official Statistics of Finland

Environmental and Natural Resources 2014

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Source: Environmental protection expenditure in industry 2012, Statistics Finland