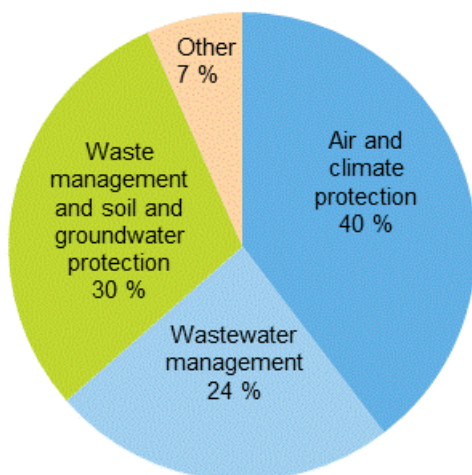


Environmental protection expenditure in industry 2013

Industry spent nearly EUR 900 million on environmental protection in 2013

In 2013, industry invested around EUR 277 million in environmental protection. The majority of environmental investments was directed to air protection. Of the sectors of industry, the biggest investors were energy supply, the chemical industry, and mining and quarrying. Altogether, environmental protection expenditure in industry amounted to EUR 885 million and the biggest part was formed by operating expenditure caused by environmental protection.

Allocation of environmental protection investments in 2013



Environmental protection investments in industry amounted to around EUR 277 million in 2013. Most investments were made in environmental protection by energy supply, the chemical and mineral industry, and mining and quarrying, each of which invested EUR 55 to 60 million.

The biggest share of all environmental investments in industry was directed to air protection, in all EUR 110 million. This sum includes investments for controlling various air emissions. However, excluded from the statistics are part of the measures that affect the reduction of greenhouse gases, as the statistics do not cover energy saving measures.

Around EUR 82 million was directed at waste management and soil and groundwater protection, and EUR 66 million at water protection.

In addition to investments, environmental protection equipment and measures cause operating costs and other operating expenditure such as administrative and research costs. In 2013, operating expenditure caused by environmental protection amounted to nearly EUR 610 million, which comprised 69 per cent of all environmental protection expenditure in industry. The bulk of operating expenditure consisted of the operating costs of various environmental protection equipment, and costs arising from sewerage plants, waste management and soil protection. Of these costs, most were directed at water protection, 35 per cent of the operating costs in environmental protection.

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Appendix tables

Appendix table 1. Environmental protection investments by sector of industry

	2011	2012	2013
	1000 €		
Energy and water supply	85 981	73 471	59 377
Forest industry	13 471	41 530	37 955
Chemical and mineral industry	67 308	58 952	55 987
Metal industry	45 619	71 548	40 107
Other industry ¹⁾	46 859	56 109	83 143
Total	259 240	301 613	276 571

1) Includes e.g. mining, food, textile and furniture industries.

Appendix table 2. Allocation of environmental protection investments

	Air	Water	Waste	Other	Total
	1000 €				
2011	132 514	28 203	93 980	4 541	259 240
2012	135 602	83 711	67 736	14 562	301 613
2013	109 615	66 173	82 411	18 370	276 571

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

		End-of-pipe	Process-integrated	Total
		1000 €		
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 ¹⁾	48 278	7 831	56 109
	Total	182 752	118 860	301 613
2013	Energy and water supply	38 952	20 424	59 377
	Forest industry	32 804	5 150	37 955
	Chemical and mineral industry	52 358	3 629	55 987
	Metal industry	33 395	6 712	40 107
	Other industry ¹⁾	58 254	24 888	83 143
	Total	215 765	60 805	276 571

1) Includes e.g. mining, food, textile and furniture industries.

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

		Running and maintenance	Other operating expenditure	Total
		1000 €		
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 ¹⁾	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 ¹⁾	145 870	7 770	153 641
	Total	505 456	53 757	559 213
2013	Energy and water supply	72 178	24 663	96 841
	Forest industry	108 651	21 450	130 101
	Chemical and mineral industry	88 670	7 885	96 555
	Metal industry	128 648	7 997	136 645
	Other industry ¹⁾	121 817	25 979	147 796
	Total	519 965	87 975	607 941

1) Includes e.g. mining, food, textile and furniture industries.

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

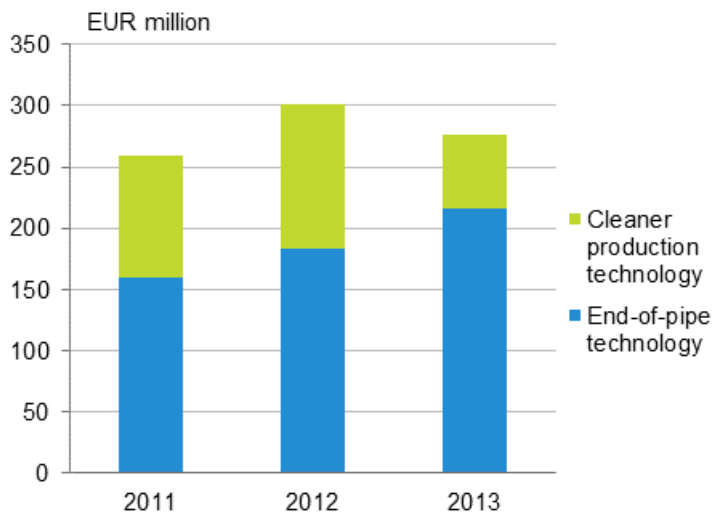
	Air	Water	Waste	Other	Total
	1000 €				
2011	148 607	195 295	174 648	4 692	523 243
2012	147 624	210 020	146 547	1 263	505 456
2013	164 158	181 910	171 377	2 519	519 965

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

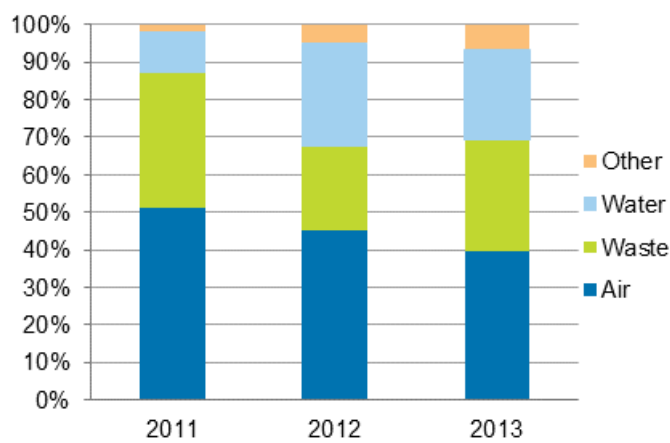
	2011	2012	2013
	1000 €		
Research and development	5 215	7 608	10 788
Environmental administration	31 932	29 637	41 023
Compensations and other charges	56 535	16 510	36 163
Total	93 683	53 757	87 975

Appendix figures

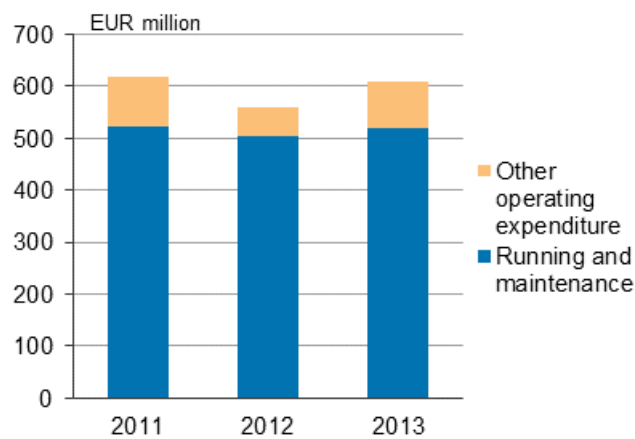
Appendix figure 1. Environmental protection investments in industry



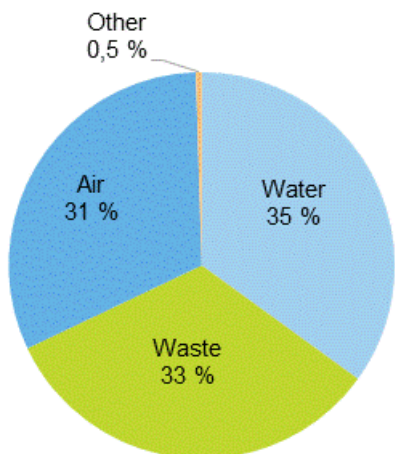
Appendix figure 2. Allocation of environmental investments in industry



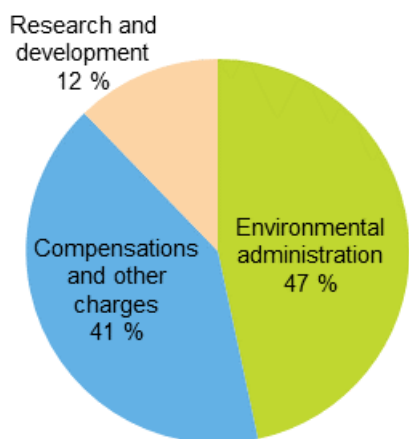
Appendix figure 3. Operating expenditure of environmental protection in industry



Appendix figure 4. Allocation of operating and maintenance expenditure of environmental protection in 2013



Appendix figure 5. Other operating expenditure of environmental protection in 2013



Inquiries

Eila Salomaa 029 551 3760

Merja Eskelinen 029 551 3255

Director in charge:

Leena Storgårds

ymparisto.energia@stat.fi

www.stat.fi

Source: Environmental protection expenditure in industry 2013, Statistics Finland