This booklet contains a selection of statistics published by Statistics Norway in 2008. More information can be found in the report *Natural Resources and the Environment 2008*, in articles on our web-site, and in StatBank Norway.

The booklet is available in electronic format at http://www.ssb.no/english/subjects/01/sa_nrm

In the electronic version, a click on the "More-information-boxes" will give direct access to the statistics.

Statistics Norway, Oslo/Kongsvinger, March 2009 Øystein Olsen

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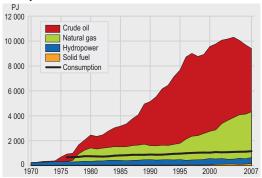
Supply and use of natural resources

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Extraction and consumption¹ of energy commodities in Norway



¹ Including the energy sectors, excluding international maritime transport.

Source: Statistics Norway, Norwegian Petroleum Directorate and Norwegian Water Resources and Energy Directorate.

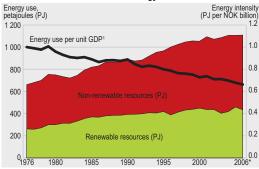
Production of oil, gas and coal. World total and selected countries. 2007. Million tonnes and million tonnes oil equivalents (mtoe)

	Oil Million tonnes	Gas mtoe	Coal mtoe
World, total	3 905.9	2 654.1	3 135.6
Norway	118.8	80.7	2.7
Saudi Arabia	493,1	68.3	-
Russia	491.3	546.7	148.2
USA	311,5	499.4	587.2
Canada	158.9	165.3	36.9
China	186,7	62.4	1 289.6
India	37.3	27.2	181.0

Source: BP 2008 - Statistical Review of World Energy.

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Energy use per unit GDP¹ and total energy use (PJ) for renewable and non-renewable energy sources. 1976-2006



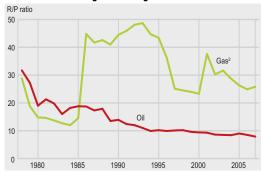
¹ GDP at constant 2002 prices. Source: Statistics Norway.

Energy use per capita in the Nordic countries, USA, Japan and China. 1990-2005. Kg oil equivalents

	1990	2000	2005
Norway	5 072	5 747	6 950
Sweden	5 558	5 434	5 778
Denmark	3 482	3 627	3 619
Finland	5 851	6 372	6 666
Iceland	8 516	11 545	12 249
USA	7 704	8 167	7 888
Japan	3 600	4 159	4 152
China	770	880	1 330

Source: International Energy Agency - IEA.

R/P-ratio^{1,2} for Norwegian oil and gas reserves. 1978-2007



¹ The R/P ratio, or the ratio between reserves and the current annual rate of production, indicates how many years it will take before the reserves are exhausted.

Source: Statistics Norway and Norwegian Petroleum Directorate.

World reserves of fossil energy commodities as of 31 December 2007

	Oil Billion tonnes	Gas Billion m ³	Coal Billion tonnes
World, total	168.6	177.4	847.5
North America ¹	9.5	8.0	250.5
Latin America	15.9	7.7	16.3
Europe incl. former Soviet Union	19.4	59.4	272.2
Middle East	102.9	73.2	1.4
Africa	15.6	14.6	49.6
Asia and Oceania	5.4	14.5	257.5
Norway	1.0	3.0	

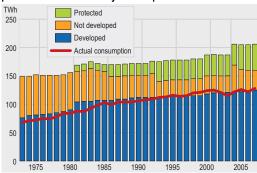
¹ North America includes Mexico.

Source: BP 2008 - Statistical Review of World Energy.

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² Because of a change in the classification system for petroleum resources, there is a break in the time series between 2000 and 2001.

Hydropower resources: developed, not developed and protected. Actual electricity consumption. 1973-2007¹



 $^{^1\,\}mbox{From}$ 2004 onwards, power plants of capacity 50-10 000 kW were included. As a result, the resource estimate was revised upwards.

Source: Norwegian Water Resources and Energy Directorate.

Electricity trade between the Nordic countries. 1990-2007. GWh

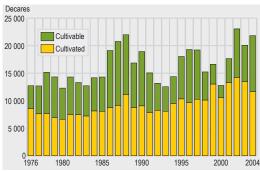
	1990	2000	2005	2007
Export surplus from Norway	15 993	19 254	12 255	10 255
From Norway to other Nordic countries				
Total	16 401	20 489	15 692	15 320
Sweden	12 329	15 724	10 816	11 144
Denmark	3 958	4 634	4 712	3 974
Finland	114	131	164	202
To Norway from other Nordic countries				
Total	408	1 235	3 437	5 095
Sweden	399	916	2 836	3 826
Denmark	7	146	470	1 159
Finland	2	173	131	110

Source: Nordel - Organisation for the Nordic Transmission System Operators.

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Agriculture

Irreversible conversion of cultivated and cultivable land. 1976-2004



Source: KOSTRA (Municipality-State-Reporting) and Norwegian Agricultural Authority.

Areas farmed ecologically or in the process of conversion in the Nordic countries. 1991-2007. Percentage of total agricultural area

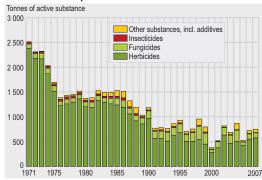
	Norway	Sweden	Denmark	Finland
1991	0.2	1.0	0.6	0.3
1995	0.6	2.6	1.4	2.1
2000	2.0	5.4	6.0	6.6
2005	4.2	6.9	5.4	6.5
2007	4.7	7.9	5.5	6.5

Sources: Debio and agricultural statistics, Statistics Norway (Norway); KRAV and agricultural statistics, Statistics Sweden and Swedish Board of Agriculture (Sweden); Danish Plant Directortae and agricultural statistics, Statistics Denmark (Denmark); Evra and agricultural statistics from TIKE (Finland).

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Agriculture

Sales of chemical pesticides. 1971-2007



Source: Norwegian Food Safety Authority.

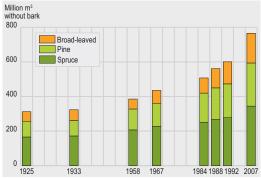
Sales of nitrogen and phosphorus in commercial fertilisers. 1990-2007. Tonnes

	Nitrogen	Phosphorus
1990	110 418	16 002
1995	110 851	13 291
2000	107 410	13 325
2005	106 882	12 660
2007	107 588	12 155

Source: Norwegian Food Safety Authority.

Forest

Volume of the growing stock. 1925-2007



Source: Statistics Norway and National Forest Inventory.

Forest area and other wooded area in selected European countries

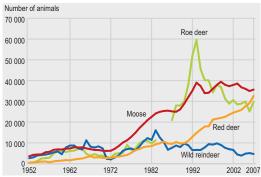
Sweden 275 33 Finland 225 8 Denmark 5 1 UK 28 0		Forest area. 1 000 km ²	Other wooded area. 1 000 km ²	Forest area per capita. Decares
Finland 225 8 Denmark 5 1 UK 28 0	Norway	94	26	20.5
Denmark 5 1 UK 28 0	Sweden	275	33	30.6
UK 28 0	Finland	225	8	43.1
	Denmark	5	1	0.9
	UK	28	0	0.5
Germany 111 0	Germany	111	0	1.3
France 156 17	France	156	17	2.6
Spain 179 103	Spain	179	103	4.3

Source: The Global Forest Resources Assessment 2005, FAO.

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Game species

Number of moose, red deer, wild reindeer and roe deer killed. 1952-2007



Source: Statistics Norway.

Average number of large predators killed per year. 1866-2006

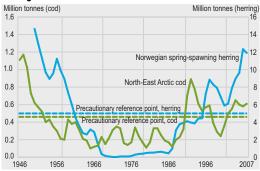
	1866-75	1926-35	1966-75	1997-2006
Wolf	41.5	4.2	0.1	4.9
Bear	121.6	2.5	0.4	3.8
Wolverine	59.0	12.1	17.3	43.0
Lynx	156.6	4.2	42.6	84.1

Source: Statistics Norway.

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Fish and fisheries

Spawning stock biomass and precautionary reference point for Northeast Artic cod and Norwegian spring-spawning herring. 1946-2007



Source: Institute of Marine Research and ICES.

Norwegian catches by groups of fish species, molluscs and crustaceans. Sales of farmed salmon and trout. 1980-2007. 1 000 tonnes

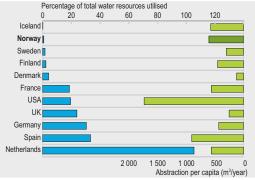
	1980	1990	2000	2007
Fisheries. Fish and shellfish, total	2 400	1 592	2 699	2 385
Pelagic fish	1 703	1 101	2 079	1 672
Cod fish	599	315	479	554
Flatfish and other demersal fish	27	88	63	57
Other fish	21	15	8	7
Molluscs and crustaceans	50	73	71	95
Fish farming, salmon and trout	8	150	489	814

Source: Directorate of fisheries and Statistics Norway.

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Water

Percentage of total freshwater resources utilised and abstraction per inhabitant. Selected countries



Source: OECD and Statistics Norway.

Use of fresh water, by industries and households¹. Norway. 2005 or latest available year

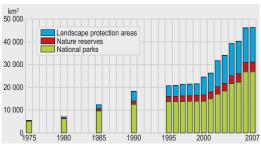
Consumer group	Estimated water use Million m³
Total	2 532
Households	345
Primary industries	1 005
Manufacturing industries	1 090
Mining and quarrying	27
Others	65

¹Leakages not included. Source: Statistics Norway.

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Land and land use

Areas protected under the Nature Conservation Act. 1975-2007



Source: Directorate for nature management.

Proportion of the shoreline within 100 m from buildings

Counties	Status 01.01.2008	Change 1985-1994	Change 1995-2004	Change 2005-2008	
	Per cent	Percentage points			
Whole country	23.9	0.70	0.68	0.30	
Østfold	42.5	0.52	0.41	0.26	
Akershus	72.0	0.69	0.99	0.18	
Oslo	80.7	1.08			
Buskerud	68.7	1.04	0.41	0.68	
Vestfold	44.8	0.69	0.75	0.25	
Telemark	61.1	1.26	1.45	0.73	
Aust-Agder	50.8	0.87	0.72	0.28	
Vest-Agder	37.7	1.44	1.16	0.31	
Rogaland	33.2	0.98	0.92	0.41	
Hordaland	35.4	1.00	0.99	0.42	
Sogn og Fjordane	24.0	0.91	0.58	0.32	
Møre og Romsdal	28.5	0.86	0.73	0.31	
Sør-Trøndelag	16.3	0.54	0.65	0.51	
Nord-Trøndelag	15.1	0.56	0.66	0.25	
Nordland	14.6	0.55	0.57	0.23	
Troms Romsa	28.7	0.63	0.81	0.27	
Finnmark Finnmárku	12.6	0.30 0.26 0.			
	,		,		

Source: Statistics Norway.

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Land and land use

Percentage of population resident in urban settlements/densely populated areas. 1900-2008



Source: Statistics Norway.

Urban settlements, residents and area, by size of population. 1 January 2008

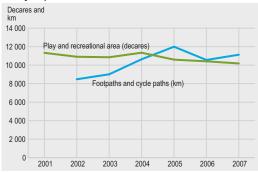
	Population	Area	Area per inhabitant
		km ²	m ²
Total, whole country	3 722 786	2 334	627
By size of population			
over 100 000	1 523 655	584	384
20 000 - 99 999	661 875	383	579
2 000 - 19 999	1 059 849	797	752
1 000 - 1 999	206 861	209	1 011
500 - 999	152 820	190	1 246
200 - 499	117 726	170	1 445

Source: Statistics Norway.

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Land and land use

Play and recreational areas in urban settlements, footpaths and cycle paths. 2001-2007



Source: KOSTRA (Municipality-State-Reporting).

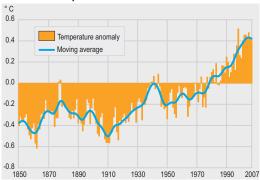
Approval of applications for exemptions. 2001 and 2007

Type of area and activity	Year	Applications that include exemptions, approved	Percentage of applications for exemptions approved
New buildings in agricultural areas,	2001	3 646	74
areas of natural environment and outdoor recreation areas	2007	1 555	79
New buildings in areas along rivers	2001	269	80
and lakes where building is prohibited	2007	218	79
New buildings in the coastal zone	2001	1 096	67
where building is prohibited	2007	767	64
Projects in areas set aside for	2001	96	55
protection of the cultural heritage	2007	167	55
Motor traffic in outlying fields and	2001	11 863	94
waterways	2007	12 225	92

Source: KOSTRA (Municipality-State-Reporting).

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Global mean temperature¹. 1850-2007



Deviation from the normal value for the period 1961-1990.

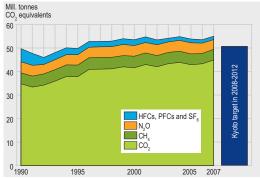
Source: Climate Research Unit - University of East Anglia and Hadley Centre - UK Meteorological Office.

CO₂ emissions, selected countries. 2004 and changes from 1990

	CO ₂ emissions 2004. Million tonnes	Per cent of world total	Change from 1990. Per cent
USA	5 988	21.6	19.6
China	5 010	18.1	108.7
Russia	1 618	5.8	-32.4
Germany	886	3.2	-14.0
UK	562	2.0	-4.7
Ukraine	317	1.1	-55.9
Finland	69	0.2	21.8
Denmark	55	0.2	2.5
Sweden	55	0.2	-2.2
Norway	44	0.2	26.5

Source: UN Statistics Division.

Total emissions of greenhouse gases in Norway. 1990-2007



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

Emissions of greenhouse gases by source. 1990-2007*. Million tonnes CO_2 equivalents

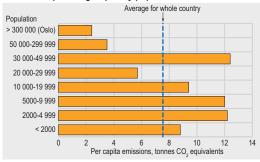
	1990	2000	2007*
Manufacturing industries	19.3	17.4	14.7
Oil and gas activities ¹	7.5	12.2	14.4
Road traffic	7.7	8.5	10.4
Agriculture, non-combustion	4.4	4.5	4.2
Shipping (fishing and coastal traffic)	3.4	4.0	3.8
Other emissions	7.3	6.9	7.5

¹ Includes oil and gas activities offshore and gas terminals on shore.

Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

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Average per capita greenhouse gas emissions in Norway, from municipalities grouped by population size. 2006



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

Greenhouse gas emission intensity, by industry¹. Tonnes CO₂ equivalents per NOK million value added. 1990-2006*

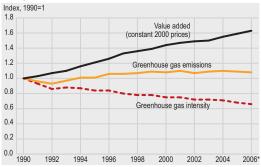
	1990	2000	2006*
Norway, excl. ocean transport	56.63	42.54	37.52
Agriculture, forestry and fishing	305.81	234.89	196.24
Transport excl. ocean transport	131.42	153.49	140.90
Manufacturing industries	155.47	126.64	91.08
Oil and gas extraction, incl. mining	50.22	40.90	43.52
Other industries in the Norwegian economy ¹	10.12	6.92	5.96

¹ Ocean transport not included.

Source: Statistics Norway.

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Greenhouse gas intensity¹, emissions of greenhouse gases and value added (constant prices). Norway, excl. ocean transport. 1990-2006*



¹ Greenhouse gas intensity is the ratio between emissions and value added. Source: Statistics Norway.

Greenhouse gas emissions and value added, by households and industries. Per cent of total. 2006*

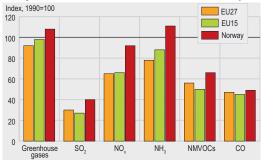
	Emissions of greenhouse gases. Per cent	Value added (constant 2000 prices). Per cent
Agriculture, forestry and fishing	10	2
Oil and gas extraction, incl. mining	22	22
Manufacturing industries	24	12
Transport excl. ocean transport	13	4
Ocean transport	15	1
Energy, water supply and construction	2	6
Services ¹	2	35
General government ²	4	20
Households	9	

¹ Services incl. Wholesale, Maintenance, Hotels and Restaurants. ² General government incl. Education and Health and social work

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Source: Statistics Norway.

Changes in emissions from 1990 to 2006, EU1 and Norway



¹The EU provides figures for SO_x rather than SO₂. Source: European Environment Agency - EEA.

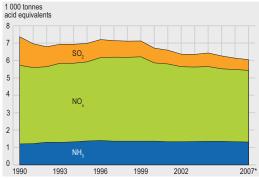
Emissions of carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) 1990-2007, percentage change and GWP-value of the gases

	CO ₂ Million tonnes	CH ₄ 1 000 tonnes	N ₂ O 1 000 tonnes
1990	34.8	220.7	15.2
1995	37.8	235.0	14.2
2000	41.6	233.7	14.6
2005	42.9	218.2	15.3
2007	44.9	215.1	13.3
Change 1990-2007 (per cent)	29.1	-2.5	-12.3
GWP-value ¹	1	21	310

¹ Impact on greenhouse effect of emission of 1 tonne of the gas compared with that of 1 tonne CO₂. Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

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Emissions of acidifying substances in Norway. 1990-2007



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

Emissions of SO₂ and NO_x per capita, selected countries

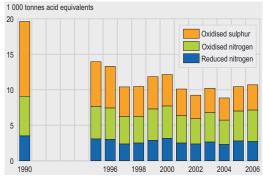
	SO ₂ Tonnes per capita		NO _x Tonnes per capita	
	1990	2006	1990	2006
UK	65	12	52	27
Germany	67	7	36	17
Russia ²	41	13 ¹	24	191
Sweden	13	4	37	19
Denmark	35	5	53	34
Norway	12	4	49	40

 $^{^1\,\}rm Emissions$ in 2005. $^2\,\rm Figures$ according to "Gap-filled emissions used in EMEP models". The figures apply to the European part within the EMEP area.

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Source: EMEP - European Monitoring and Evaluation Programme.

Deposition of acidifying substances in Norway. 1990-2006



Source: Norwegian Meteorological Institute and EMEP - European Monitoring and Evaluation Programme.

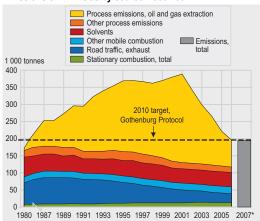
Imports of ozone-depleting substances to Norway. 1986-2007. ODP-tonnes¹

	ODP tonnes
1986	2 911
1990	2 196
1995	97
2000	60
2005	15
2007	18

¹The ozone-depleting potential (ODP) varies from one substance to another, and the figures are totals weighted according to the ODP of each substance (ODP factors).
Source: Norwegian Pollution Control Authority.

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Emissions of NMVOCs by source. 1980-2007



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

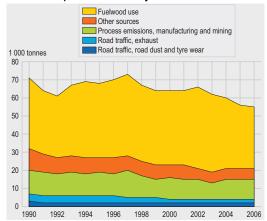
Emissions of carbon monoxide by source. 1990-2006*. 1 000 tonnes

	1990	1995	2000	2006*
Total	868	735	566	421
Road traffic: exhaust	553	434	277	172
Housing	152	159	163	145
Other sources	162	142	126	104

Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

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Emissions of particulate matter by source. 1990-2006



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

Emissions of heavy metals. 1990-2005. kg

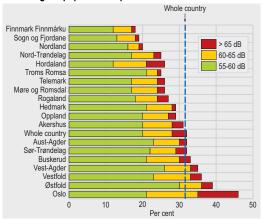
	1990	1995	2000	2005
Lead	187 457	23 459	9 014	7 569
Mercury	1 506	877	756	690
Cadmium	1 112	985	690	542
Copper	22 131	19 001	19 531	20 676
Chromium	12 548	11 122	8 444	2 692
Arsenic	3 144	2 947	2 439	1 470

Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap9- air.pdf
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Noise

Percentage of population exposed to road traffic noise. 2006



Source: Statistics Norway and Directorate of Public Roads.

Noise annoyance index, by source

	Index 2006	Percentage 2006	Change 1999-2006. Per cent
Total – all identified sources	578 400	100	3
Road traffic	456 400	79	8
Manufacturing	25 200	4	-3
Other industry	15 500	3	1
Air traffic	21 300	4	-26
Railways	21 500	4	-33
Other sources ¹	38 000	7	

¹ Construction, motor racing tracks and shooting ranges.

Source: Statistics Norway.

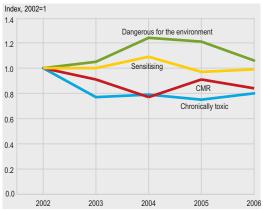
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Natural Resources and http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap10noise.pdf

Hazardous chemicals

Emissions of hazardous substances, by hazard categories. 2002-2006



Source: Statistics Norway.

Consumption and emissions of hazardous substances, by hazard categories. 2002-2006. 1 000 tonnes

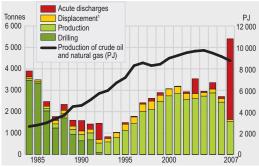
	2002	2004	2006
Consumption			
CMR (carcinogenic, mutagenic or reprotoxic)	5 883	7 474	5 245
Chronically toxic	264	219	206
Sensitising	141	126	148
Long-term environmental effects	75	82	63
Emissions			
CMR (carcinogenic, mutagenic or reprotoxic)	15.2	11.7	12.9
Chronically toxic	1.1	0.8	0.9
Sensitising	2.9	3.2	2.9
Long-term environmental effects	4.2	5.3	4.5

Source: Statistics Norway.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap13-chemicals.pdf
Latest article	http://www.ssh.no/english/subjects/01/04/rann_200824_en

Water pollution

Discharges of oil from petroleum activities (tonnes). Production of crude oil, natural gas and other petroleum products (PJ). 1984-2007



¹ Oil-contaminated ballast water in storage cells on production platforms, displaced when the cells are filled with produced oil.

Source: Norwegian Pollution Control Authority and Statistics Norway.

Inputs of phosphorus and nitrogen to the North Sea region. 1985-2006. Tonnes

Year	Phosphorus ¹	Nitrogen ²
1985	1 465	32 231
1995	685	23 363
2005	532	18 567
2006	535	18 251

¹ Target value, 2005; 732.5 tonnes.

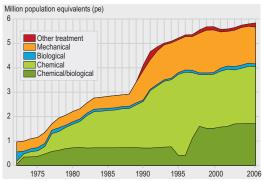
Source: Norwegian institute for water research.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap12-waste_water.pdf
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² Target value, 2005: 16116 tonnes.

Water pollution

Trend in treatment capacity at waste water treatment plants. 1972-2006



Source: Statistics Norway.

Discharges of phosphorus and nitrogen from waste water treatment plants. 2000-2006

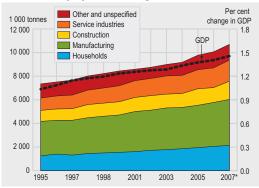
	Phosphorus		Nitrogen	
Year	Total	Discharges per inhabitant connected	Total	Discharges per inhabitant connected
	tonnes	kg	tonnes	kg
2000	1 296	0.29	17 374	3.88
2005	1 187	0.26	15 901	3.45
2006	1 205	0.26	16 467	3.50

Source: Statistics Norway.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap12-waste water.pdf
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Waste

Waste in Norway, by source. Change in GDP. 1995-2007



Source: Statistics Norway.

Waste in Norway, by material. 1995-2007. 1 000 tonnes

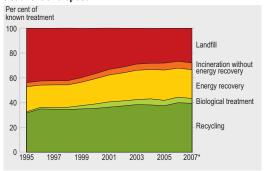
Material	1995	2000	2005	2007*
Total	7 347	8 442	9 774	10 690
Paper, cardboard and pasteboard	841	1 046	1 173	1 258
Wood waste	1 333	1 313	1 520	1 603
Biodegradable waste	1 086	1 294	1 502	1 724
Plastic	327	380	441	496
Metals	922	965	1 070	1 113
Hazardous waste	630	672	924	1 085
Other materials	2 207	2 772	3 144	3 411

Source: Statistics Norway.

Natural Resources and	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap11-
the Environment	waste.pdf
Latest article	http://www.ssb.no/avfregno-en/
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Waste

Non-hazardous waste by treatment/disposal. 1995-2007. As a percentage of waste for which information is available on treatment or disposal



Source: Statistics Norway.

Hazardous waste handled at approved facilities, by type of treatment and material. 2004 and 2006. 1 000 tonnes

	2004	2006
Treatment		
Recycling and energy recovery	78.3	61.7
Final disposal ¹	656.0	908.0
Exported	80.6	71.1
Material		
Corrosive waste	208.0	211.1
Containing oil	210.6	226.2
Containing heavy metals	325.0	493.0
Other materials	102.7	87.4
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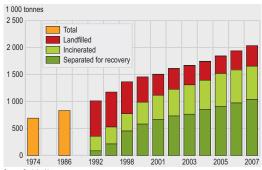
 $^{^{\}rm 1}$ Includes all types of landfilling, permanent storage, incineration without energy recovery and treatment that results only in non-hazardous products.

Source: Statistics Norway.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap11-waste.pdf
Latest article	http://www.ssb.no/spesavf_en/ http://www.ssb.no/avfregno_en/
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Waste

Household waste by method of recovery or disposal. 1974-2007



Source: Statistics Norway.

Quantity of household waste and percentage for recovery. The 10 largest municipalities. 2007

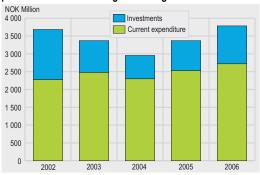
Municipalities by decreasing population	Household waste per capita. Kg	Separated for recovery. Per cent
Oslo	404	42
Bergen	425	37
Trondheim	397	43
Stavanger	422	65
Bærum	430	58
Kristiansand	507	60
Fredrikstad	586	50
Tromsø	332	50
Sandnes	424	65
Drammen	499	57

Source: Statistics Norway.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap11-waste.pdf
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Environmental protection expenditure

Investments and current expenditure for environmental protection in manufacturing and mining. 2002-2006



Source: Statistics Norway.

Environmental protection expenditure, by domain. 2006

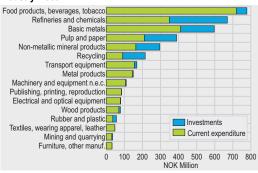
	NOK Million	Per cent
Total	3 783.8	100
Solid waste	1 351.0	35.7
Waste water	1 119.3	29.6
Air/Climate	1 089.4	28.8
Soil, ground water and surface water	34.5	0.9
Biodiversity and landscape	5.5	0.1
Other activities	184.0	4.9

Source: Statistics Norway.

Natural Resources and	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap14-
the Environment	environment.pdf
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Environmental protection expenditure

Investments and current expenditure for environmental protection in manufacturing industries and mining, by industry. 2006



Source: Statistics Norway.

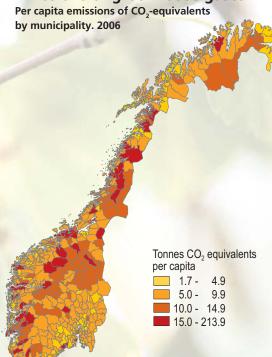
Environmental protection expenditure in manufacturing industries, as percentage of GDP. Norway, EU and selected countries. 2002-2004

	2002	2003	2004
Norway	0.23	0.21	0.17
EU-27	0.38	0.35	0.35
EU-15	0.38	0.35	0.36
Italy	0.73	0.56	0.61
Belgium	0.50	0.46	0.48
Finland	0.37	0.31	0.34
Austria	0.32	0.34	0.28
Sweden	0.30	0.30	0.28
Spain	0.23	0.23	0.24
UK	0.20	0.25	0.24
0 5 11 101 5 5			

Source: Eurostat and Statistics Norway.

Natural Resources and the Environment	http://www.ssb.no/english/subjects/01/sa_nrm/nrm2008/kap14-environment.pdf
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Emissions of greenhouse gases



Source: Emission inventory from Statistics Norway and Norwegian Pollution Control Authority. Map data: Norwegian Mapping Authority.

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