Geography, environment and energy

Climate and area

Infrastructure

Energy and air emissions

Water and wastewater

Material flows and waste

Green economy





Climate and area

The long Danish coastline

Denmark is a small country, compared to its closest neighbours. Sweden and Germany are, respectively, ten times and eight times larger than Denmark, which has an area of more than 43,000 km². On the other hand, Denmark's coastline is extraordinarily long for a country of this size. Denmark stretches along a coast of more than 7,300 km, which is longer than the Great Wall of China. It corresponds to almost one and a half metre of coast per inhabitant.

One characteristic of Denmark's geography is the many islands, a total of 391. The largest islands are, by order of mention, Sjælland, Vendsyssel-Thy, Fyn, Lolland and Bornholm. Jutland (including Vendsyssel-Thy) account for 69 per cent of Denmark's total area.

In addition to Denmark, the Kingdom of Denmark includes the self-governing areas of Greenland and the Faroe Islands. The ice-free part of Greenland is almost ten times larger than Denmark and Denmark is 30 times larger than the Faroe Islands.

Denmark's nature is characterized by agriculture and forests

For thousands of years, Denmark has been an agricultural country, and this has largely characterized the Danish landscape. Consequently, two thirds of the landscape consists of man-made agricultural areas. However, forests are also evident in the landscape in the form of, among other types, deciduous forest and coniferous forest. Rold Skov and Gribskov are the largest forests.

Figure 1



Distribution of Denmark's area by type of area

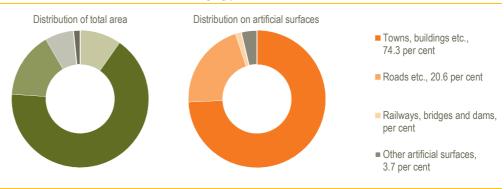


Table 399

Man-made infrastructure and buildings characterize the landscape

Cities, roads, railroads, bridges and other types of man-made surfaces cover a total of 10 per cent of Denmark's area, corresponding to three times the area of the Faroe Islands – or 56 per cent of Sjælland. Urban centres, such as residential neighbourhoods and industrial districts, dominate and account for three-fourths of the man-made surfaces.

It rains or snows every other day

The Danish weather is known for being variable. It is a fact that it rains or snows every other day in Denmark, since a year has an average of 171 days of precipitation.

Snow seven days a month during the wintertime

Denmark has mild winters without large amounts of snow, but with much rain. On average, it snows seven days every month in December, January and February. This

decreases to five days of snow in March, and April has an average of three days of snow.

40 Highest temperature 30 20 Mean temperature 2015 10 0 Lowest temperature ·10 .20 .30 40 Jan Feb Mar. May. Jun. Jul. Oct. Nov. Dec.

Figure 2 Temperatures in Denmark

Source: www.dmi.dk

Temperature variations of 16 °C during a year

In a year, the mean temperature generally varies from 0 °C in January to 16 °C in August. Great variations occur in relation to the average. The coldest day in more than 100 years was a January day in 1982 with temperatures of -31 °C, and the warmest day was an August day in 1975 with temperatures of 36 °C.

"... and it will be overcast again today"

A natural feature of everyday life in Denmark is overcast days and many clouds in the sky. The clouds cover an average of two thirds of the sky in a year, but the summer is the least cloudy season with an average cloudiness of 60 per cent.

Not many days of sunshine in a year

Denmark is a country where the total hours of sunshine a year gives occasion to enjoy the sun while it is out. There is an average of four hours of sunshine a day, naturally primarily during the spring and summertime. From May to August, there are more than six hours of sunshine a day.

Infrastructure

Extension of motorways and dual-carriageways

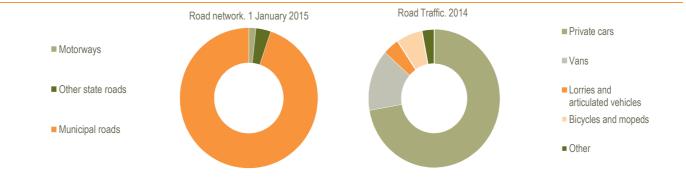
There were 74,472 km of public roads in Denmark on 1 January 2015. The state road network comprises 5 per cent of the public road network. The other 95 per cent are administered by the municipalities.

The majority of the public road network (65 per cent) is in Jutland, while the rest is distributed between the Copenhagen region (9 per cent) and the remaining part of the islands (26 per cent).

The public road network has increased by 2,215 km over the past ten years, mainly because of more municipal roads.

Since 2005, the motorway network has been extended by 19 per cent to 1,232 km in 2015, and the length of the dual-carriageways has increased by 7 per cent to 377 km in 2015.

Figure 3 Distribution of road network and of road traffic



www.statbank.dk/vej11 and vej20

Almost a quarter of the rail network is electrified

The length of the total rail network was 2,633 km on 1 January 2015, a very small decrease of 3 km since the previous year. Viewed in relation to the total area of Denmark, there is 62 km of railway per 1,000 km². The main part of the rail network is operated by the state-owned Banedanmark.

The regional railways are responsible for operating 517 km of rail network and Copenhagen Metro for 21 km. Since 1990, the rail network has decreased by more than 200 km, mainly due to closure, by Banedanmark, of sections carrying goods.

At the beginning of 2015, almost a quarter of the rail network was electrified. This is three times more than in 1990, but unchanged compared to 2014.

Goods transport by ship is concentrated at 27 sea ports

In 2014, there were 110 Danish ports handling freight. The 27 largest ports each handled more than 1 million tonnes of goods annually, and accounted for 86 per cent of the total goods transport by sea.

In terms of throughput of goods, the ports of Fredericia and Aarhus are the largest Danish ports handling, respectively, 10 per cent and 8 per cent of total throughput of goods in sea.

Ferry and passenger ship traffic is concentrated at 35 ports

71 ports are engaged in transport of passengers, of which 35 of them have more than 200,000 arriving and departing passengers every year and account for more than 90 per cent of passengers in Danish ports. The largest Danish ferry port is Helsingør accounting for 19 per cent of all sea passengers, followed by Rødby Færgehavn with 15 per cent of all passengers in 2014.

Energy and air emissions

Decreasing gross energy consumption and self-sufficiency

Despite a general increase in economic activity, Denmark's total gross energy consumption has remained around 800 petajoules for many years, when the large energy consumption for international transport operations outside Denmark is not included. In the years following the financial crisis, energy consumption, however, has been at a slightly lower level.

Gross energy consumption is calculated as the consumption of oil, natural gas, coal and renewable energy. The calculation is adjusted for import and export of electricity.

Since 1998, Denmark has been self-sufficient in energy thanks to an increasing extraction of crude oil and natural gas from the North Sea as well as the production of renewable energy. In 2006, for the first time in several years a major drop in energy production occurred, mainly due to a lower production of oil and natural gas. The decline continued in subsequent years. The declining production meant that energy production in 2014 was slightly below the level of gross energy consumption in Denmark.

More natural gas and renewable energy

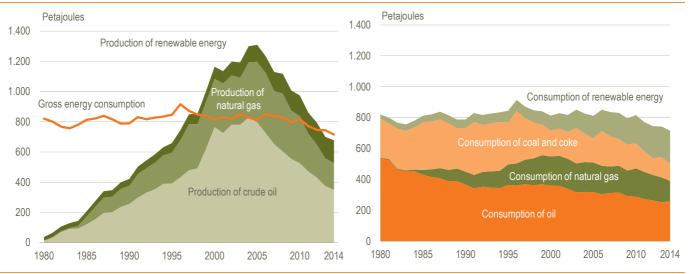
Since the 1990's, the fuel mix changed significantly with an increasing consumption of natural gas and renewable energy at the expense of especially coal.

The consumption of renewable energy has been rising in recent years and now accounts for 27 per cent of total gross energy consumption. Renewable energy plays a special role in relation to greenhouse gases and global warming with increasing use of renewable energy in general leading to a reduction in greenhouse gas emissions when fossil fuels such as coal and oil are replaced.

Renewable energy sources partly include energy such as wind power and solar energy, which lead to no emissions of greenhouse gases and partly of fuels such as straw and wood which during growth absorbs CO2 from the atmosphere and emit CO2 again when burnt.

Figure 4

Energy consumption and production



www.statbank.dk/ene3h

Air emissions

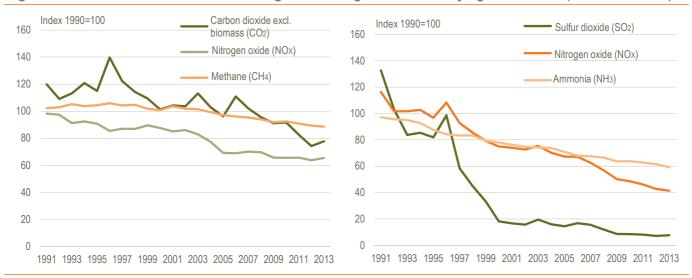
Industry and household energy consumption is the main cause of emissions of CO_2 , SO_2 , NO_X and CO and other air pollutants. However, there are also emissions not related to energy use but to fertilizer application and use of solvents and acids etc. For the greenhouse gases N_2O and CH_4 as well as for NH_3 and NMVOC these non-energy emissions are significant.

Reduction in greenhouse gas and acidifying substance emissions

Emissions of the main greenhouse gas, CO_2 , N_2O and CH_4 , and of acidifying substances, SO_2 , NOx and NH_3 , from the Danish area have generally declined over the past several years. In contrast, emissions caused by Danish international transport activities, has in the period from 1990 to 2013 more than tripled. The increase in emissions caused by Danish international transport activities is due to a significant expansion of the Danish maritime activity in the decade up to the financial crisis in 2008.

Figure 5

Emissions of greenhouse gases and acidifying substances (Index 1990=100)



www. statbank.dk/mru1

The Danish contribution to the greenhouse effect

The individual greenhouse gases have different effects in the atmosphere and thus different warming potential and impacts of the greenhouse effect. It is therefore necessary for them to be weighted to get an overall impression of the extent to which the Danish activities contribute to global warming.

A weighting to the so-called CO_2 equivalents shows that the Danish contribution to the greenhouse effect was 21 per cent lower in 2013 than in 1990, not including the contribution of emissions associated with the Danish international transport activities (IPCC statement). If, however, these emissions are included, there was an increase of approximately 11 per cent. In comparison, the gross domestic product, GDP, increased by almost 39 per cent, thus a decoupling between economic growth and the contribution to the greenhouse effect has taken place, in either cases.

In 2013 86 per cent of the contribution to the greenhouse effect came from CO₂. Methane accounted for 7 per cent while nitrous oxide accounted for 6 per cent. The emissions of halocarbons were below 1 per cent of the total releases from all Danish economic activities.

Index 1990=100 180 Total incl. international transport 160 GDP 140 120 100 IPCC - method 80 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012

Figure 6 The contribution from Danish economy to the greenhouse effect and GDP

The contribution to the greenhouse effect is calculated as \mbox{CO}_2 equivalents

Water and waste water

Water is one of our most important resources and invaluable both to human survival and to maintain production and consumption.

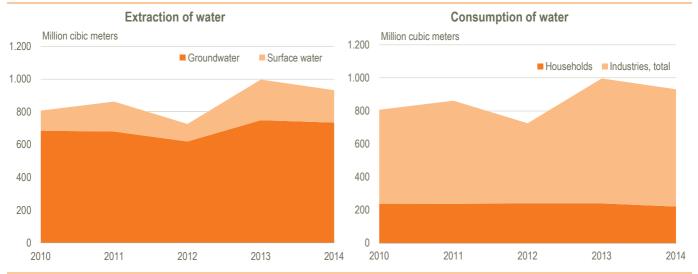
A lot of groundwater

In Denmark, most of the water we use stem from aquifers in the ground. In 2014 extraction and consumption of groundwater was 735 million m³, while 198 million m³ of surface water was recovered. Of the extracted water 221 million m³ was used in households, while 711 million m³ was used by industries. Especially agriculture and fish farming had a high level of water consumption. Agricultural water is especially used for watering the fields and this consumption fluctuates considerably from year to year depending on weather conditions.

Regional differences

In the western part of Denmark, there is generally sufficient groundwater while it is necessary to collect groundwater to supply Copenhagen from other parts of Zealand. Excessive consumption of groundwater may negatively affect water quality and oxygen levels in streams and lakes. Normally, the Danish groundwater need not be treated or only treated slightly before it can be used. Groundwater is, however, in many places in Denmark under threat from pollution with nitrates or pesticides.

Figure 7 Extraction and consumption of water



www.statbank.dk/vandind og vandrg01

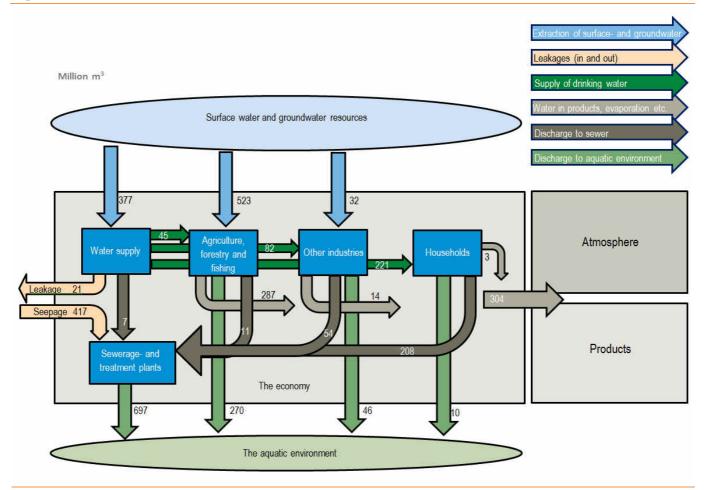
From clean water to wastewater

After use in industry and households, a large part of wastewater is treated before it is discharged back to nature. In 2014, the total amount of wastewater produced in industries and households amounted to 606 million m³. Of these, 218 million m³ came from households and 388 million m³ came from industries.

However, not all the water ends up as waste water. Some of the water is absorbed by plants or added to other products, some water evaporates into the atmosphere and some water leaks from the sewage network. And finally, there is some leakage of water into the sewer network.

Figure 8

Streams of water and wastewater 2014



Taking into account all these flows, discharges of wastewater to nature can be calculated to 1.023 million m^3 in 2014. Of these, 697 million m^3 came from public treatment plants, 270 million m^3 came from agriculture, forestry and fishing, 46 million m^3 was industrial emissions and 10 million m^3 was wastewater from households.

The Capital Region has the largest share of emissions. The regions wastewater discharge depends on the industry mix and the size of the population. In addition, some wastewater treatment plants treat wastewater from other regions.

Figure 9 Discharge of wastewater. 2014

www. statbank.dk/vandrg02

Material flow and waste

Each year, the Danish society and the Danish economy are totally dependent on being supplied millions of tonnes of raw materials, energy, food and other materials. The materials cost money and the acquisition and use of these often have consequences for the environment and natural resources. In the end, a large part of these materials also ends up as waste, which must be taken care of.

Danish resource extraction

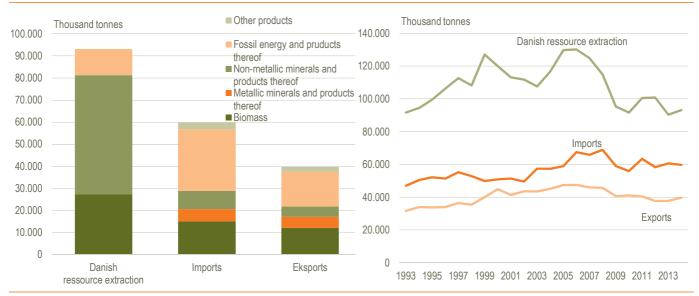
When all the main natural resources are included, 93 million tonnes of materials from Danish nature, equivalent to 16.4 tonnes per inhabitant was extracted in 2014. Of this amount, the extraction of stone, gravel and sand etc. amounted to 54 million tonnes, while the extraction of fossil energy in the form of oil and natural gas was 12 million tonnes. Additionally, 27 million tonnes of biomass was harvested.

Imports and exports of goods

In addition to the domestic resources, the Danish economy imported a large amount of materials from abroad. Imports amounted to 60 million tonnes in 2014. Imports of fossil energy weighed almost 28 million tonnes or almost half of the total import. Denmark exported a somewhat smaller quantity of material abroad. Denmark's export of goods weighed 40 million tonnes. Of these, 16 million tonnes were energy products. Export of biomass including animal products amounted to 12 million tonnes.

Figure 10

Material flows to and from the Danish economy



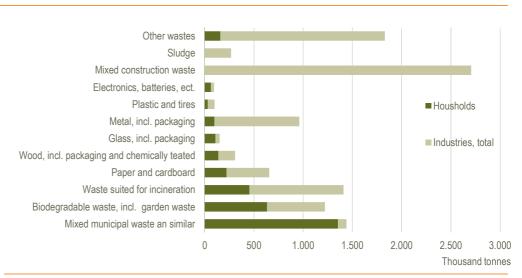
www.statbank.dk/mrm2

Production of waste

Of the materials used in Denmark, some is accumulated in buildings, machinery, transport equipment and consumer durables etc. until these at some point are scrapped. Other parts end up as air emissions, and the rest ends up as waste.

The total amount of waste in Denmark was 11 million tonnes in 2013. 8 million tonnes came from industries and 3 million tonnes came from households. The largest part of industrial waste derives from the construction industry.

Figure 11 Production of waste. 2013

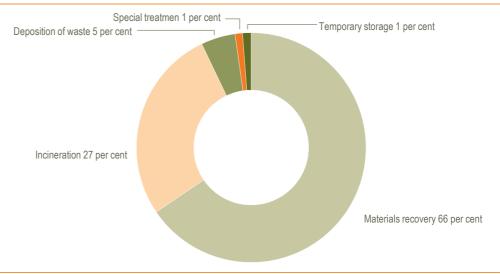


www. statbank.dk/affald01

Treatment of waste

As much as 66 per cent of waste was recycled in 2013. For commercial and industrial waste, 76 per cent was recycled, while for households 41 per cent was recycled. The proportion of re-used waste is increasing for both industries and households. In 2011, 72 per cent of commercial waste was recycled and 37 per cent of household waste was recycled. Most of the waste not recycled is incinerated, while only a small percentage (7 per cent) is deposited or undergoing special treatment.

Figure 12 Treatment of waste. 2013



www.statbank.dk/affald02

Green economy

For many years Denmark has had a major focus on developing and using green technologies including renewable energy production and environmental protection, and the authorities have, for example, used green taxes to move the economy in a more environmentally friendly and resource-saving direction.

Sales of environmental goods and services

So-called environmental goods and services not only include goods and services which directly protect the environment, but also products and services that reduce the consumption of natural resources. Research and development in these areas are also included.

In 2014, companies generated environmental goods and services amounting to DKK 174 billion. The most extensive production of environmental goods and services was related to energy, partly to the production of renewable energy and partly for energy-saving initiatives. The production had a value of DKK 110 billion in total.

The turnover for the more traditional environmental protection, such as waste water treatment and waste treatment amounted to DKK 49 billion, which is slightly more than a quarter of the total green production.

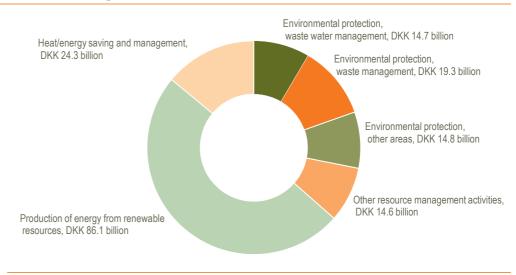


Figure 13 Environmental goods and services. Turnover 2014

www.statbank.dk/gron1

Public environmental expenditure and revenue

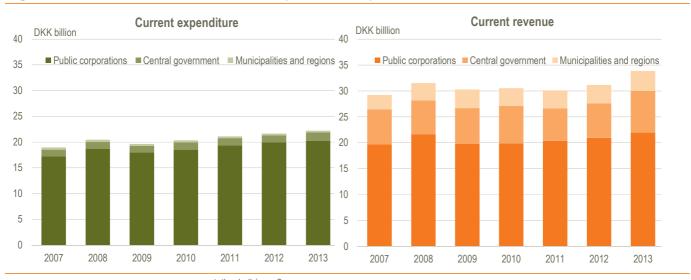
The public sector has environmental expenses and it receives environmental revenues. Environmental protection expenditure covers activities which are aimed at prevention and control of pollution and transition to sustainable technologies. The public environmental revenue primarily includes payments that the public sector receives from citizens and businesses in the provision of services in sewage and waste areas.

The total public environmental expenditure is quite stable over time. In 2007, the total environmental expenditure amounted to DKK 29.2 billion, or 2.9 per cent of the total expenditure in the public sector, compared to DKK 33.9 billion or 2.7 per cent in 2013.

The total public environmental revenues of DKK 22.2 billion in 2013 were made up mainly of tariff payments for public utilities.

Figure 14

Environmental protection expenditure and revenue



www.statbank.dk/mreg2

Environmental taxes

In the Danish environmental policy, green taxes, or more precisely environmental related taxes, are used as a management instrument but also to generate revenue to the government. The green taxes are divided into pollution-related, energy-related, resource-related and transportation-related taxes.

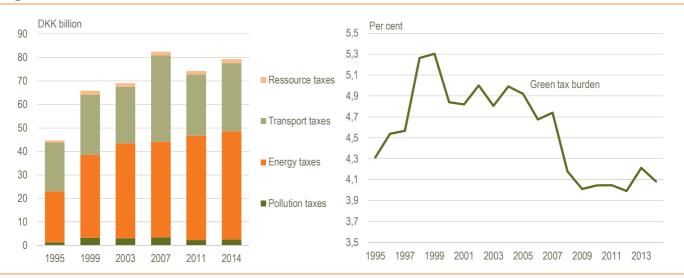
Green tax burden of 4.1 per cent of GDP

Environmental taxes rose from 1995 to 2007. The financial crisis affected the environment tax revenue downwards. In 2013, the government's total revenue from environment-related taxes was DKK 79.2 billion, which corresponds to 8.8 per cent of the total taxes. Measured as a percentage of GDP, green taxes amounted to 4.1 per cent. The green tax burden peaked in 1999 with 5.3 per cent of GDP.

The energy-related taxes made up 58 per cent of the total environment-related taxes. Taxes on electricity, gasoline and certain petroleum products as well as the PSO (Public Service Obligation) tax are the most dominant among energy taxes. Transport taxes also made up a significant portion of the total environmental taxes.

Figure 15

Environmental taxes



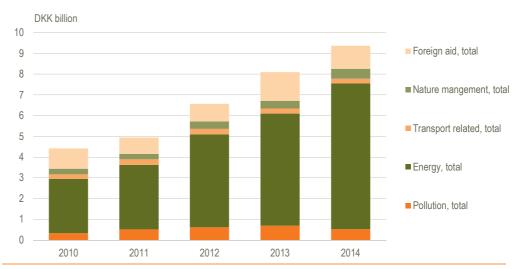
www. statbank.dk/mreg21

Environmental support

Each year, in addition to regulation by green taxes, the government provides environmentally motivated subsidies and transfers to industries, international organizations and households. These subsidies and transfers include aid for environmental protection, such as waste management, protection of soil and groundwater, and to reduce the exploitation of exhaustible natural resources and better utilization of renewable energy resources.

Environmental subsidies and transfers amounted to DKK 9.4 billion in 2014, a little under half a percent of GDP. There was an increase of DKK 1.3 billion compared to 2013 and has more than doubled since 2010. The energy-related subsidies consist primarily of support for wind power and other renewable energy financed by the PSO tax (Public Service Obligation) and accounted for 75 per cent of the total environmental motivated subsidies and transfers in 2014.

Figure 16 Environmental subsidies



www.statbank.dk/mms3

Table 399 Land cover		
	Km ²	Per cent
Total area	43 560.76	100.00
Artificial surfaces	4 246.46	9.75
Urban fabric, industrial and commercial units ¹ Motorway Expressway Road broader than 6 metres Road 3 – 6 metres Railway Bridge Embankment Runway Mineral extraction sites Technical sites	3 154.63 43.96 9.10 269.02 551.58 58.22 0.02 2.64 3.31 19.94 17.46	7.24 0.10 0.02 0.62 1.27 0.13 0.00 0.01 0.01 0.05 0.04
Cemeteries Sport facilities Leisure facilities	6.96 52.18 57.44	0.02 0.12 0.13
Agricultural areas Arable land Market garden Pastures Pastures in urban areas Land principally occupied by agriculture, with significant ar	28 897.85 28 615.01 33.87 155.18 93.72 eas of natural vegetation 0.07	66.34 65.69 0.08 0.36 0.22 0.00
Forests and semi-natural areas Forest Broad-leaved forest Coniferous forest Mixed forest Natural grassland Moors and heath land Beaches, dunes and sand plains Sparsely vegetated areas	6 788.32 1 829.48 1 309.40 2 147.34 7.98 391.92 981.76 51.21 69.23	15.58 4.20 3.01 4.93 0.02 0.90 2.25 0.12 0.16
Wetlands Meadows Inland wetlands Peat bogs Salt marshes	2 274.89 808.89 205.66 875.60 384.74	5.22 1.86 0.47 2.01 0.88
Water bodies Lakes Stream width 8-12 metres Reeds Fish farms Unclassified	670.59 616.49 49.42 0.34 4.34	1.54 1.42 0.11 0.00 0.01 1.57

Note: The figures are based on different primary data covering the period from the end of the 1980s to the middle of the 1990s. Due to different compilation methods figures deviate from figures in table 1. The Primary data are the *land use map; Area Information System* (The Ministry of Environment). Further information can be obtained from: www.dmu.dk. The figures are a revision (not an update) of the collected data. The National Environmental Research Institute conducted the revision in 2001. The classification is based on the three-digit *CORINE land cover nomenclature*, as a fourth number is added for national purposes.

Source: National Environmental Research Institute www.dmu.dk

 $^{^{1}}$ Include city centres, human locality areas with low buildings, human locality areas with high buildings, built-up areas in rural areas and industrial areas. Roads are excluded.

Table 400	Area, popula	Area, population and coastline							
	Land and inland water area km²	Population 1 January 2016	Density of population per km ²	Number of islands	Inland water area 1959 km²	Coastline 1959 km			
All Denmark	42 925.5	5 707 251	133.0	394 ¹	700	8 509			
Provinces									
Byen København	179.5	752 964	4 195.5	14	18	264			
Københavns omegn	342.2	539 241	1 575.6	1		60			
Nordsjælland	1 449.1	457 122	315.5	22	80	318			
Bornholm ²	588.4	39 847	67.7	5	3	214			
Østsjælland	808.2	244 698	302.8	14	7	184			
Vest- og Sydsjælland	6 415.8	582 801	90.8	102	102	1 900			
Fyn	3 479.0	491 474	141.3	98	26	1 260			
Sydjylland	8 777.4	720 296	82.1	22		1 021			
Østjylland	5 841.6	865 830	148.2	50		887			
Vestjylland	7 165.0	427 479	59.7	26		893			
Nordjylland	7 879.3	585 499	74.3	38		1 509			
Regions									
Hovedstaden	2 559.2	1 789 174	699.1	42	101				
Sjælland	7 224.0	827 499	114.5	116	109				
Syddanmark	12 256.4	1 211 770	98.9	120					
Midtjylland	13 006.6	1 293 309	99.4	76					
Nordjylland	7 879.3	585 499	74.3	38					
Faroe Islands	1 396.0	49 126 ³	35.2	17 ⁴		1 117 ⁵			
Greenland	410 449.0 ⁶	55 847	0.1			44 087			

Note: The most southern point in Denmark is Gedserodde on Falster, the most northerly point is near Skagen, the most westerly point is Blåvandshuk, and the most easterly point is Christians \emptyset (Østerskær).

Source: Danish Geodata Agency www.statbank.dk/folk1 and are207

¹ Incl. Zealand and Jutland peninsula. ² Incl. Christiansø. ³ 1 December 2015. ⁴ 1 January 2013. ⁵ Measured in 1955. ⁷ Only the part of Greenland free of ice is included. The total area of Greenland is 2,166,086 km², of which 81 per cent is covered by inland ice.

Table 401	Administrative divisi	on of Denmarl	k. 2016				
	Municipalities	Parishes	Customs and tax regions ¹	Constituer	Constituencies ²		
				Counties and large constituencies	Constituencies		
Total	98	2 170	35	10	92		
The Islands	56	889	17	6	48		
Jutland	42	1 281	18	4	44		
Region Hovedstaden Byen København Københavns omegn Nordsjælland Bornholm	29 4 13 11 1	240 71 56 91 22	7 2 1 3 1	4 1 1 1 1	28 12 8 6 2		
Region Sjælland Østsjælland Vest- og Sydsjælland	17 5 12	417 60 357	6 2 4	} 1 }	12 3 9		
Region Syddanmark Fyn Sydjylland	22 10 12	521 232 289	9 4 5	2 1 1	21 8 13		
Region Midtjylland Østjylland Vestjylland	19 11 8	636 353 283	9 5 4	2 1 1	22 11 11		
Region Nordjylland	11	356	4	1	9		

 $^{^{\}rm 1}$ 2015. $^{\rm 2}$ In accordance with Act no. 1292 of 8 December 2006 on elections to the Danish Parliament.

www.statbank.dk/02

Table 402	Denm	ark's 15 largest lakes			
Lake's name	Province	2016	Lake's name	Province	2016
		km ²			km ²
Arresø	Nordsjælland	39.7	Søndersø	Vest- og Sydsjælland	8.4
Esrum sø	Nordsjælland	17.4	Tystrup sø	Vest- og Sydsjælland	6.6
Mossø	Østjylland	16.5	Ulvedybet	Nordjylland	5.8
Stadil Fjord ¹	Vestjylland	16.2	Tømmerby Fjord	Nordjylland	5.7
Saltbæk Vig ¹	Vest- og Sydsjælland	16.1	Julsø	Østjylland	5.6
Tissø	Vest- og Sydsjælland	12.5	Tange sø	Østjylland	5.4
Furesø	Nordsjælland	9.4	Lund Fjord	Nordjylland	5.1
Skanderborg sø	Østjylland	8.7	•		

¹ Area of brackish water.

Source: Danish Geodata Agency

www.gst.dk

	le 403 Are	ea and pop		ioiaiiao			
Muni-		Population 1	Area in	Muni-		Population 1	Area in
cipa-		January	km ²	cipa-		January	km ²
lity		2016		lity		2016	
code				code			
	All Denmark	5 707 251	43 048.56		Funen and its islands	491 474	3 489.50
				430	Avernakø	114	5.72
220	Zealand and its islands	2 473 209	7 478.47	492	Birkholm	12	0.90
330	Agersø	174 192 709	8.09 96.38	430	Bjørnø	34 24	1.46
Flere 390	Amager Bogø	192 709	96.36 14.39	420 479	Bågø Drejø	24 65	6.19 4.26
370	Enø	384	3.52	479	Frederiksø	4	0.06
250	Eskilsø	6	1.63	Flere	Fyn	462 625	2 988.03
390	Farø	5		410	Fænø	2	3.91
370	Gavnø	34	5.64	479	Hjortø	7	0.89
330	Glænø	41	5.26	482	Langeland	12 345	283.48
190	Klaus Nars holm	2	0.00	430	Lyø	96	6.31
390	Langø	2	1.34	482	Siø	16	1.43
390	Masnedø	184	1.71	479	Skarø	32	1.93
390	Møn	9 455	218.35	482	Strynø	186	4.91
326	Nekselø	19 37	2.22 5.56	479 440	Thurø	3 519 4	7.54 0.25
390 330	Nyord Omø	156	4.46	479	Tornø Tåsinge	6 111	69.99
316	Orø	850	15.04	492	Ærø	6 278	87.51
185	Saltholm	2	16.71	702	80 named and uninhabitated islands	0 2 1 0	14.74
326	Sejerø	351	12.55				
Flere	Sjælland	2 267 659	7 053.71		Jutland and its islands	2 599 104	29 694.75
101	Slotsholmen	17	0.21	773	Agerø	26	3.48
101	Trekroner	1	0.03	727	Alrø	146	7.73
	84 named and uninhabitated islands	•	11.67	540	Als	49 980	311.08
		400.04=	4 700 00	707	Anholt	145	21.72
260	Lolland-Falster and their islands Askø	103 617 39	1 796.38	580	Barsø	22 44	2.67 6.07
360 376	Falster	42 399	2.79 513.72	851 615	Egholm Endelave	167	13.20
360	Fejø	42 399	17.05	563	Fanø	3 290	60.45
360	Femø	119	11.38	779	Fur	765	22.10
360	Lilleø	7	0.84	813	Hirsholm	2	0.16
Flere	Lolland	60 607	1 244.54	766	Hjarnø	106	3.42
360	Vejrø	4	1.59	671	Jegindø	419	7.70
	42 named and uninhabitated islands	•	4.47	Flere	Jyske halvø	2 219 359	23 845.86
				580	Kalvø	13	0.19
400	Bornholm and its islands	39 847	589.46	820	Livø	7	3.33
400	Bornholm Obsisting a page Francisco	39 756	589.12	825	Læsø	1 817	113.75
411	Christiansø og Frederiksø	91	0.25	561	Mandø	20 603	8.28
	3 named and uninhabitated islands	•	0.09	773 550	Mors Rømø	20 603 591	364.08 86.36
				741	Samsø	3 710	112.67
				580	Store Okseø	2	0.08
				727	Tunø	114	3.57
				Flere	Vendsyssel-Thy	297 382	4 669.11
				671	Venø	195	6.26
				615	Vorsø	1	0.60
				510	Årø	155	5.88
					111 named and uninhabitated islands	•	14.99

Note.: The area is based on map10 of the Danish Geodata Agency and Cadastre. In relation to the area in table 405, non-registered areas are also included here, e.g. lakes and roads.

www.statbank.dk/bef4 and are207

 $^{^{\}rm 1}$ Incl. Lindø. $^{\rm 2}$ Incl. Skalø. $^{\rm 3}$ Not included in the division of municipalities, administered by the Ministry of Defence.

Table 404	N	Meteor	rologica	al cond	litions								
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Mean temperature Normal (1961-1990) 2015	0.0	0.0 2.1	2.1 4.7	5.7 7.0	10.8 9.7	14.3 12.7	— °C — 15.6 15.5	15.7 17.4	12.7 13.2	9.1 9.5	4.7 7.5	1.6 6.7	7.7 9.1
Average daily temperature Normal (1961-1990) 2015	2.0 4.8	2.2 4.2	4.9 7.7	9.6 11.5	15.0 13.5	18.7 16.6	19.8 19.7	20.0 22.1	16.4 16.9	12.1 12.2	7.0 9.6	3.7 8.4	10.9 12.3
Average nightly temperature Normal (1961-1990) 2015	-2.9 0.9	-2.8 -0.3	-0.8 1.8	2.1 2.9	6.5 5.9	9.9 8.6	11.5 11.3	11.3 12.8	9.1 9.8	6.1 6.9	2.3 4.9	-0.7 4.7	4.3 5.9
Maximum temperature 1874-2015 Temp. Measured during the years 2015	12.4 2005 11.1	15.8 1990 9.7	22.2 1990 14.6	28.6 1993 20.9	32.8 1892 23.1	35.5 1947 26.0	35.3 1941 31.9	36.4 1975 31.5	32.3 1906 23.8	26.9 2011 19.6	18.5 1968 15.7	14.5 1953 13.4	36.4 1975 31.9
Minimum temperature 1874-2015 Temp. Measured during the years 2015	-31.2 1982 -10.0	-29.0 1942 -13.6	-27.0 1888 -6.5	-19.0 1922 -6.1	-8.0 1900 -4.2	-3.5 1936 2.2	-0.9 1903 2.1	-2.0 1885 2.8	-5.6 1886 0.7	-11.9 1880 -0.9	-21.3 1973 -9.9	-25.6 1981 -4.0	-31.2 1982 -13.6
Degree-days Normal (1961-1990) 2015	522 435	491 418	461 383	337 299	198 228	84 129	legree-days 43 61	47 15	128 114	243 232	361 286	469 320	3 382 2 921
Precipitation Normal (1961-1990) 2015	57 97	38 30	46 66	41 27	48 86	55 59	— mm. — 66 86	67 69	73 94	76 29	79 146	66 115	712 904
Bright sunshine, all DK Normal (1961-1990) 2015	43 48	69 60	110 127	162 241	209 184	209 209	– hours – 196 211	186 242	128 164	86 89	54 52	43 36	1 495 1 662
Summer days (max. >25°) Normal (1961-1990) 2015	0.0	0.0	0.0	0.0	0.2	1.9 0.0	days —2.62.9	2.3 2.4	0.1 0.0	0.0	0.0	0.0	7.2 5.3
Frost days (min. <0°) Normal (1961-1990) 2015	19.0 8.5	19.0 10.3	15.0 6.2	6.6 3.7	0.7 0.5	< 0.0	0.0 0.0	0.0 0.0	0.2 0.0	1.8 0.0	7.3 2.9	15.0 2.1	84.0 34.3
Ice days (max. <0°) Normal (1961-1990) 2015	8.6 1.0	7.5 1.7	2.2 0.0	0.1 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.6 0.0	4.0 0.0	23.0 2.7
Precipitation days (R ³ 0.1 mm.) Normal (1961-1990) 2015	17.0 25.5	13.0 15.3	14 16.6	12.0 11.7	12.0 23.2	12.0 15.0	13.0 17.6	13.0 14.8	15.0 22.3	16.0 15.6	18.0 25.4	17.0 25.8	171.0 228.8
Days with snow cover Normal (1961-1990) 2015	12.0 3.3	9.3 3.9	4.6 0.3	0.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	< 0.0	1.3 0.6	5.1 0.1	33.0 8.1

Note 1: $Degree\ days$ are used as a measurement for heating needs in the heating season (1 September - 31 May). Degree days are shade-temperature days.

Note 2: < means less than 0.1, but greater than 0.0.

Source: Danmarks Meteorologiske Institut www.dmi.dk

Table 405	Infrastructure for transport	Infrastructure for transport							
	1 January	2014	2015						
		km							
	Road network, total Of which motorways State roads Municipality roads	74 407 1 216 3 796 70 568	74 472 1 232 3 796 70 635						
	Railway network, total Of which Copenhagen Metro Of which private railways	2 636 21 520	2 633 21 517						
	Stations and halts Sea ports Airports	528 111 23	527 111 23						

www.statbank.dk/vej11, bane41 and skib101

Table 406	Infrastructure for transport, expenditure						
		2013	2014				
		DKK mio					
	Road network Construction expenditure Operation and maintenance	14 670 7 808 6 862	14 145 8 212 5 933				
	State railway network New investments Reinvestments Other investments	4 211 2 845 1 334 32	5 059 3 962 895 242				
	Private railways	0	40				
	Sea ports Constructions Buildings	1 122 1 014 108					
	Airports	594					
	Great Belt Link	44	121				
	Øresund Link	4	3				
	Copenhagen Metro	3 170	3 420				

www.statbank.dk/vej2, bane42, flyv2 and skib2

Table 407	Extraction of raw materials			
	1990	1995	2000	2014
		m³ in thousands -		
Extraction of raw materials, total	33 976	34 210	40 945	32 667
Extraction from land area:	28 106	28 558	33 809	25 914
Sand, gravel and stone	22 534	21 721	27 587	21 457
Quartz sand	186	191	479	262
Granite	811	662	199	134
Clay	462	739	788	308
Expanded clay	303	311	313	217
Moler	195	186	227	190
Chalk, limestone	2 924	4 049	3 405	2 610
Peat	399	259	247	192
Other raw materials	292	440	563	543
Extraction from sea area				
Sand, gravel, sand for land filling etc.	5 870	5 652	7 136	6 753

Source: National Forest and Nature Agency www.statbank.dk/rst01 and rst3

Table 408	Sales of pesticides	
	2013	2014*
	tonnes —	
Sales of pesticide products ¹		
Weight	13 626	9 075
Herbicides	7 329	3 820
Fungicides	2 633	1 752
Algicides	19	27
Insecticides	1 393	1 214
Slimicides for use in paper pulp	-	_
Products against pests on farm animals	94	107
Plant growth regulators	468	269
Combined fungicides and insecticides	14	15
Soil disinfectants	5	1
Rodenticides	410	291
Repellents	15	1
Products for the protection of woodwork	1 246	1 578
Of which active ingredients ²		
Active ingredients, total	4 323	1 983
Herbicides	2 937	1 239
Fungicides	881	412
Algicides	4	5
Insecticides	80	55
Slimicides for use in paper pulp	-	_
Products against pests on farm animals	2	3
Plant growth regulators	289	115
Combined fungicides and insecticides	5	6
Soil disinfectants	5	1
Rodenticides	7	2
Repellents	3	5
Products for the protection of woodwork	110	140

¹ A pesticide product comprises one or more effective substances, emulators, adhesives and inactive fillers.

² That part of the product which has a toxic effect.

Source: Danish Environmental Protection Agency www.statbank.dk/pest2

Table 409 Manufacti	urers' energy c	onsumption.	2014		
	Solid fuel	Liquid fuel	Gas	Electricity	District heating
			— thousand GJ —		
Total ¹	8 328	12 058	43 283	23 406	3 469
Extraction of gravel and stone	876	556	677	236	3
Mining support service activities	0	7	5	20	6
Production of meat and meat products	0	100	2 196	1 518	91
Processing and preserving of fish	583	46	1 151	457	46
Other food products	701	2 772	2 026	1 848	175
Dairy products	0	44	3 754	1 565	37
Grain mill and bakery products	1	19	1 238	695	53
Beverages	10	20	972	468	82
Tobacco products	0	4	30	27	7
Textiles	0	3	223	319	29
Wearing apparel	2	0	6	7	7
Wood and wood products	1 309	137	85	583	211
Paper and paper products	15	49	1 360	599	51
Printing etc.	1	6	135	375	54
Oil refinery etc.	0	423	15 484	1 064	578
Basic chemicals	0	265	1 121	1 543	127
Paints and soap etc.	498	33	2 817	962	60
Pharmaceuticals	0	30	807	1 195	329
Rubber and plastic products	5	52	406	1 543	90
Glass and ceramic products	0	67	1 079	432	21
Concrete and bricks	3 933	6 996	3 274	1 631	43
Basic metals	1	35	1 672	1 237	59
Fabricated metal products	43	148	970	1 474	258
Computers and communication equipment etc.	0	0	121	153	35
Other electronic products	0	3	29	160	91
Electric motors, etc.	0	5	38	94	23
Wires and cables	1	4	71	158	22
Household appliances, lamps, etc.	0	1	54	58	22
Engines, windmills and pumps	13	59	532	1 222	359
Other machinery	100	120	489	634	225
Motor vehicles and related parts	6	13	211	180	22
Ships and other transport equipment	3	7	17	75	48
Furniture	225	11	114	394	44
Toys and other manufacturing	3	5	31	276	22
Medical instruments, etc.	0	5	20	75	26
Repair and installation of machinery and equipment	0	11	69	129	115

Note: The table includes workplaces in firms with 20 or more employed in the industry.

 $^{^{\}rm 1}$ Incl. extraction of gravel, clay, stone and salt, etc.

Table 410 Gr	oss energy consumption	n by industrie	es and house	holds	
	2012	2013	2014	Distribution 2014	Change from 2013 to 2014
		—— PJ ———		per o	cent ———
Total industries and households	1 235	1 221	1 164	100.0	-4.7
Households	325	328	305	26.2	-6.8
Total industries	910	894	859	73.8	-4.0
Agriculture, forestry, fishing	40	40	38	3.3	-4.5
Mining and quarrying	31	30	29	2.5	-2.3
Manufacturing	123	120	120	10.3	-0.1
Utility services	13	13	12	1.0	-3.5
Construction	22	18	20	1.7	11.9
Trade and transport etc.	602	597	566	48.7	-5.1
Information and communication	8	7	6	0.5	-4.3
Financial and insurance	4	3	3	0.3	-8.3
Real estate;rent.of non-res.b.	3	3	2	0.2	-4.7
Dwellings	1	1	1	0.1	-3.6
Other business services	15	13	13	1.1	-2.1
Public adm., education, health	41	41	38	3.3	-6.5
Arts, entertainm. oth.service	9	8	8	0.6	-7.0
Of which Danish ships bunkering abroad	442	397	390	33.5	-1.8
Of which Danish planes bunkering abroad	17	24	28	2.4	14.7
Of which Danish vehicles bunkering abroad	30	57	30	2.6	-46.6
Memo: Use of energy excl. bunkering	745	743	716	61.5	-3.7

www.statbank.dk/ene3h

Table 411 Ene	Energy expenditure by industries and households. 2014								
	Basic prices	Trade margins	Taxes	VAT	Purchasers prices				
		DKK mill							
Total industries and households	152 782	7 761	41 297	18 563	220 403				
Households	34 835	4 288	25 364	15 266	79 752				
Total industries	117 947	3 473	15 933	3 297	140 651				
Agriculture, forestry, fishing	3 892	333	652	13	4 890				
Mining and quarrying	217	20	29	1	266				
Manufacturing	38 760	274	2 134	31	41 199				
Utility services	16 656	262	1 103	33	18 054				
Construction	2 124	390	1 365	26	3 905				
Trade and transport etc.	47 590	1 753	5 139	669	55 151				
Information and communication	806	22	215	17	1 060				
Financial and insurance	365	15	276	145	801				
Real estate;rent.of non-res.b.	289	27	189	53	558				
Dwellings	145	12	116	66	338				
Other business services	1 534	129	949	113	2 725				
Public adm., education, health	4 652	199	3 283	1 952	10 085				
Arts, entertainm. oth.service	918	37	484	179	1 618				
Of which Danish ships bunkering abroad	3 208	-	-	-	3 208				
Of which Danish planes bunkering abroad	3 387	-	-	-	3 387				
Of which Danish vehicles bunkering abroad	28 089	-	-	-	28 089				

www.statbank.dk/ene4ha

Table 412 Energy	Accounts	s for Den	mark in	specific ι	ınits. 2014	4		
	Crude oil and refinary feedstocks	Coal and coke	Oil products	- extraction	Natural gas - consumption and exports ²		Electricity	District heat
		– 1 000 tonnes	S ———	mill.	Nm³	TJ	GWh	TJ
Production	8 168	_	7 014	4 478	4 436	168 690	31 569	119 881
Imports	3 697	4 597	16 810	592	241	49 117	12 702	
Total supply (=total use)	11 865	4 597	23 824	5 070	4 678	217 807	44 272	
Exports	4 813	167	5 602	-	1 984	6 514	10 603	
Changes in inventories	112	77	1 369	_	- 16	423	-	
Distribution losses etc			-	85	4	2 359	1 974	24 091
Industries and households	6 940	4 353	16 853	4 985	2 705	208 510	31 695	
Households	-	0	2 033	4 000	613	42 233	10 104	
Total industries	6 940	4 353	14 819	4 985	2 092	166 277	21 591	
Agriculture, forestry and fishing	•	42	482	+ 000	36	3 002	1 859	
Mining and quarrying	_	4	21	582	17	887	92	
Manufacturing	6 940	169	902	-	702	6 316	8 086	
Utility services	0 3 4 0	4 137	142	4 403	1 163	150 404	1 362	
Electricity, gas, steam and air conditioning supply	_	4 137	93	4 403	1 156	121 541	745	
Water supply, sewerage and waste management	_	- 101	49	7 700	6	28 863	618	
Construction	_		386		12	881	357	
Trade and transport etc.	_		12 539		61	2 778	5 365	
Wholesale and retail trade	_		262	_	43	709	3 302	
Transportation	_	_	12 262	-	43	2 028	1 319	
Accommodation and food service activities	_	-	12 202	_	15	41	744	
Information and communication	_	_	16	-	8	46	590	
Financial and insurance	_	_	12	_	5	33	190	
Real estate activities and renting of non-	•	-	12	-	3	33	130	007
residential buildings	_		22	_	2	62	156	318
Dwellings	-	-	9	-	2	28	46	
Other business services	-	-	97	-	17	296	592	
Knowledge-based services	•	•	36	-	9	109	413	
	-	-	30	-	9	109	413	1 030
Travel agents, cleaning, and other operationel services			61		8	187	178	1 471
Public administration, education and health	-	-	164	-	57	1 453	2 384	
	-	•	104	•	31	1 400	2 304	9413
Public administration, defence and compulsory			111		0	260	211	1 072
social security	-	-	26	-	9 22	368 431	311 847	
Education	-	-	28	-	26	654	1 226	
Human health and social work	-	-	20 27	-	20 11	91	512	
Arts, entertainment and other services	-	-		-				
Arts, entertainment and recreation activities	-	-	11	-	9	46	427	
Other service activities	-	-	16	-	2	45	85	418
Activities of households as employers of domestic personnel	-	-	-	-	-	-	-	-
Of which Danish ships bunkering abroad ¹			9 584					
	-	-		-	-	-	-	_
Of which Danish planes bunkering abroad ¹	-	-	645	-	-	-	-	-
Of which Danish vehicles bunkering abroad ¹	-	-	714	-	-	-	-	-

¹ Danish operated ships, planes and vehicles bunkering abroad is included in the industry *transportation*. ² Includes gas works gas. ³ Includes non-renewable waste.

www.statbank.dk/ene1ht og ene1ha

Table 413	Production of renev	wable energy			
	1990	2000	2005	2010	2014
			—— GJ ———		
Renewable energy	45 509 381	79 857 176	112 384 001	136 220 494	151 266 483
Wind power	2 197 080	15 268 317	23 810 400	28 113 919	47 082 613
Hydro power	100 800	108 720	81 000	74 311	54 374
Solar power	0	4 320	7 776	21 698	2 143 865
Solar heat	99 800	330 700	411 465	635 641	1 226 693
Geothermal	96 000	116 078	343 983	424 656	165 745
Straw	12 481 150	15 893 450	21 023 550	23 269 600	20 768 350
Firewood	8 757 120	12 431 616	17 666 749	23 778 598	15 634 086
Wood chips	1 723 680	2 744 455	6 082 192	11 318 853	11 074 968
Wood pellets	1 575 000	3 092 916	4 718 600	4 364 425	6 683 360
Wood waste	6 191 013	6 895 078	6 499 627	8 500 208	6 685 581
Biogas	752 000	2 911 659	3 829 964	4 278 002	5 143 032
Bio oil	744 000	48 900	3 392 552	4 824 033	6 264 145
Heat pumps	2 267 270	3 295 500	3 730 622	5 643 404	7 244 647
Waste, renewable	8 524 468	16 715 466	20 785 521	20 973 145	21 095 025

www.statbank.dk/ene2ho

Table 414 CO2* emiss	CO2* emissions from industries and households							
	1990	2000	2010	2013				
			1.000 tons —					
Total industries and households	65 518	75 848	86 983	76 801				
Households	10 360	10 168	9 242	7 936				
Total industries	55 158	65 680	77 741	68 865				
Agriculture, forestry, fishing	3 294	2 824	2 305	2 280				
Mining and quarrying	1 127	2 451	1 998	1 708				
Manufacturing	7 320	7 956	5 677	5 640				
Utility services	24 913	24 149	21 944	16 934				
Construction	900	1 136	1 594	1 271				
Trade and transport etc.	16 034	25 804	42 613	39 624				
Information and communication	151	127	109	74				
Financial and insurance	87	54	64	52				
Real estate;rent.of non-res.b.	44	70	98	78				
Dwellings	50	21	31	31				
Other business services	252	289	425	332				
Public adm., education, health	826	633	716	714				
Arts, entertainm. oth.service	160	166	167	127				
Of which Danish ships bunkering abroad	9 176	19 068	34 140	31 380				
Of which Danish planes bunkering abroad	272	514	1 205	1 138				
Of which Danish vehicles bunkering abroad			1 798	2 018				

^{*}Excluding biomass. www.statbank.dk/mru1 and mro1

Table 415 Link between total Danish	Link between total Danish CO2-emissions and the IPCC-method							
	1990	2000	2010	2013				
		1.000 tons						
Total CO ₂ emissions from the Danish economy (Green National Accounts)	70 087	82 692	101 877	92 099				
- Biomasse as fuel	4 572	6 842	14 894	15 298				
- Danish CO ₂ emissions abroad	9 448	19 583	37 143	34 537				
Ships	9 176	19 068	34 140	31 380				
Planes	272	514	1 205	1 138				
Vehicles	•	•	1 798	2 018				
- Other differences related to transports and cross border trade	2 499	2 000	754	643				
= Total emissions on Danish territory (IPCC method)	58 140	61 110	63 980	56 920				

www.statbank.dk/mro1

Table 416	Emissions by type of air po	ollutant		
	1990	2000	2010	2013
		1 000 tonnes		
CO ₂ Of which biomass SO ₂ NO _X CO NH ₃ N ₂ O CH ₄ NMVOC PM ₁₀ PM _{2.5}	70 087 4 572 353 518 861 125 27 313 223	82 692 6 842 439 721 557 98 24 315 190 98	101 877 14 894 231 1095 509 80 20 289 154 58 46	92 099 15 298 212 999 439 74 19 277 141 50
SF6 (CO ₂ -equivalents) PFC (CO ₂ -equivalents) HFC (CO ₂ -equivalents)		56 23 703	36 19 950	131 11 782

www.statbank.dk/mru1

Table 417 Water consumption by industry and households										
		Groundwater				Surface water				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
	mill. cubic meter—									
Total industries and households	685.1	679.5	619.2	748.8	734.5	122.4	183	106.6	248.2	197.5
Households	238.4	238.2	239.8	240.1	220.9	-	-	-	-	-
Total industries	446.7	441.3	379.4	508.7	513.6	122.4	183.0	106.6	248.2	197.5
Agriculture, forestry, fishing	288.1	285.9	230.1	374.0	376.3	115.9	176.5	101.8	241.7	192.2
Mining and quarrying	7.5	7.5	7.5	6.2	5.5	0.5	0.4	0.2	1.1	0.2
Manufacturing	54.7	53.0	49.0	47.8	55.2	4.3	4.1	2.7	3.3	2.9
Utility services	49.1	50.2	45.7	37.6	35	1.6	1.5	1.6	1.4	1.5
Construction	0.5	0.5	0.5	0.6	1.0	-	-	-	-	-
Trade and transport etc.	16.3	14.4	16.5	14.5	12.3	-	-	-	-	-
Information and communication	0.4	0.5	0.3	0.3	0.3	-	-	-	-	-
Financial and insurance	0.3	0.4	0.3	0.2	0.2	-	-	-	-	-
Real estate; renting of non-residential buildings	2.2	2.8	2.4	2.4	1.8	-	-	-	-	-
Dwellings	_	_	-	-	-	-	-	-	-	-
Other business services	1.2	1.5	1.9	1.7	1.9	-	-	-	-	-
Public adm., education, health	19.1	17.6	17.9	16.9	17.8	-	-	-	-	-
Arts, entertainment and other service	7.4	7.1	7.3	6.5	6.5	0.1	0.4	0.3	0.6	0.7

www.statbank.dk/vandrg01

Table 418 Waste water di	Γable 418 Waste water discharge by industry and households									
	2010	2011	2012	2013	2014					
		mill. cubic meter—								
Total industries and households	521.2	592.5	524.1	666.5	606.0					
Households	234.9	234.6	236.2	236.5	217.6					
Total industries	286.3	357.9	287.9	430.1	388.4					
Agriculture, forestry, fishing	166.6	241.0	175.6	324.8	281.5					
Mining and quarrying	7.8	7.8	7.7	7.2	5.6					
Manufacturing	49.9	48.4	43.4	43.3	49.6					
Utility services	17.1	18.3	16.7	14.1	12.5					
Construction	0.5	0.5	0.5	0.6	0.9					
Trade and transport etc.	16.0	14.2	16.2	14.2	12.1					
Information and communication	0.4	0.5	0.3	0.2	0.3					
Financial and insurance	0.3	0.4	0.3	0.2	0.2					
Real estate; renting of non-residential buildings	2.2	2.7	2.4	2.4	1.8					
Dwellings	-	-	-	-	-					
Other business services	1.2	1.5	1.9	1.7	1.9					
Public adm., education, health	18.8	17.3	17.7	16.7	17.5					
Arts, entertainment and other service	5.5	5.3	5.3	4.6	4.7					

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Table 419 Ec	Economy-wide material flow accounts by material type. 2014								
	Domestic extraction	Import	Export	Domestic Material Consumption	Physical Trade Balance				
	million tonnes								
Total	93.1	59.8	39.7	113.2	20.1				
Biomass	27.3	14.9	12.1	30.2	2.9				
Metallic minerals and products thereof	0.0	5.6	5.0	0.6	0.6				
Non-metalic minerals and products thereof	54.0	8.3	4.6	57.6	3.7				
Fossil energy and products thereof	11.9	27.9	15.7	24.1	12.2				
Other products	0.0	3.0	2.3	0.7	0.7				

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Table 420	Waste	gene	ration	by ind	ustry	and w	aste d	atego	ry. 20	13			
	Total waste (excl. soil)	Mixed munici- pal waste and similar	Biodegr adable waste, incl. Garden waste	Waste suited for incinerat ion	board	Wood, incl backage ing and chemica Ily treated	Glass, incl pack- aging	Metals, incl pack- aging	Plastics and tires	Elec- tronics, bat-s teries, etc.	Mixed con- struction waste	Sludge	Other waste
						1	000 tonn	es ——					
Industries and households Households Total industries Agriculture, forestry and fishing Mining and quarrying Manufacturing Utility services Construction Trade and transport etc. Information and communication Financial and insurance	11 149 3 275 7 874 119 13 1 350 1 235 3 624 1 114 12 14	1 440 1 354 85 2 0 9 5 2 40 0	1 222 634 588 29 0 274 19 40 142 0	1 409 456 953 35 1 122 48 211 402 5	656 224 432 1 0 122 4 4 238 5	310 141 169 9 0 44 12 87 10 0	152 111 41 0 0 18 2 10 8 0	961 100 861 20 4 283 53 317 163 1	101 32 70 9 0 28 1 4 25 0	96 64 31 0 0 5 2 6 6 7 1 0	2 706 - 2 706 - - - 2 706 - - -	268 10 0 108 134 2 5 0	1 829 158 1 671 4 7 337 956 236 73 0
Real estate activities and renting of non- residential buildings Dwellings Other business services Public administration, education and health Arts, entertainment and other services	8 2 172 164 48	0 0 11 14 2	0 0 44 26 12	5 1 34 62 21	1 0 17 29 5	0 0 5	0 0 1	0 0 12 6	0 0 1	0 0 1 6 3	-	0 0 6	0 0 39 16 2

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Table 421 Er	nvironmental taxe	s and reso	ource rent	by industr	ies and h	ouseholds	. 2014
	Total including resource rent	Resource rent	Total excluding resource rent	Pollution taxes	Energy taxes	Transport taxes	Resource taxes
				— DKK mill. ——			
Industries and households Households Other final uses Total industries Agriculture, forestry and fishing Mining and quarrying Manufacturing Utility services Construction Trade and transport etc. Information and communication Financial and insurance	95 021 45 464 8 161 41 396 1 701 15 793 5 139 933 1 905 7 852 497 613	15 709 - 15 709 - 15 709 - - -	79 312 45 464 8 161 25 687 1 701 84 5 139 933 1 905 7 852 497 613	2 507 788 67 1 653 413 1 428 83 51 423 16	46 100 26 365 0 19 736 1 094 57 4 367 783 1 005 5 924 409 375	28 965 16 929 8 094 3 943 193 6 303 67 792 1 500 72 230	1 739 1 383 0 356 1 19 41 0 58 5 0
Real estate activities and renting of non-r buildings Dwellings Other business services Public administration, education and health Arts, entertainment and other services		- - - -	302 254 1 665 3 984 757	6 7 71 129 18	224 117 1 071 3 643 667	67 14 516 119 62	5 115 7 92 10

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Table 422 Environm	ental subsidie	s and similar	transfers by i	ndustries and	households
	2010	2011	2012	2013	2014
			—— DKK mill. ——		
Industries and households	4 423	4 942	6 567	8 093	9 369
Households	782	941	1 187	1 380	1 680
Other final uses	1 615	1 537	2 189	3 034	3 256
Total industries	2 026	2 465	3 191	3 680	4 433
Agriculture, forestry and fishing	457	484	612	710	906
Mining and quarrying	5	6	10	11	14
Manufacturing	500	626	804	1 005	1 227
Utility services	354	491	626	574	588
Construction	23	31	43	52	58
Trade and transport etc.	365	425	567	682	851
Information and communication	43	51	71	79	103
Financial and insurance	17	20	25	31	40
Real estate activities and renting of non-residential					
buildings	11	13	19	22	28
Dwellings	4	5	6	6	8
Other business services	55	86	105	142	134
Public administration, education and health	155	184	245	291	378
Arts, entertainment and other services	38	45	60	74	96

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Table 423 Turnove	Turnover and export of environmental goods and services by industry								
		Turnover		Export					
	2012	2013	2014	2012	2013	2014			
			D	KK mio.—					
Industry total	169 703	164 771	173 793	66 777	65 402	71 615			
Agriculture and horticulture	3 612	3 782	3 861	76	80	80			
Forestry	293	331	341	-	-	-			
Manufacture of textiles	397	382	416	263	227	242			
Manufacture of wearing apparel	6	7	8	2	3	2			
Manufacture of wood and wood products	1 049	963	1 046	190	185	196			
Manufacture of paper and paper products	2 802	2 787	2 787	1 068	879	944			
Manufacture of chemical products	5 210	6 023	5 866	3 490	4 033	4 428			
Manufacture of rubber and plastic products	5 440	5 829	5 928	2 792	2 444	2 679			
Manufacture of products of glass, clay, marl etc.	2 212	2 146	2 403	342	370	388			
Manufacture of basic metals	1 254	1 074	1 278	884	757	813			
Manufacture of fabricated metal products	4 597	5 848	5 510	1 371	2 137	1 968			
Manufacture electronic products	1 638	1 889	1 644	1 308	1 438	1 429			
Manufacture of electrical equipment	2 155	2 307	2 775	1 122	1 187	1 486			
Manufacture of machinery and equipment	73 840	65 415	70 932	41 590	42 148	46 194			
Manufacture of motor vehicles and related parts	996	1 032	1 066	1 555	786	788			
Manufacture of ships and other transport equipment	22	32	40	6	6	7			
Repair and installation of machinery and equipment	508	505	645	64	83	83			
Electricity, gas and steam supply	12 289	14 309	14 442	1 325	1 191	961			
Sewerage	9 290	9 443	9 707	-	-	-			
Waste management and materials recovery	15 926	15 349	16 923	5 511	3 212	4 427			
Construction of buildings	5 313	4 984	5 130	183	87	45			
Civil engineering	1 095	1 131	1 409	39	53	83			
Specialised construction activities	8 142	7 669	7 858	59	41	60			
Architectural and engineering activities	8 602	8 788	9 022	3 156	3 411	3 514			
Scientific research and development	2 859	2 601	2 627	359	623	775			
Other technical business services	159	146	128	23	23	23			

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Table 424	Environmen	tal protection	on expendi	ture by env	rironmental	domain				
	2007	2008	2009	2010	2011	2012	2013			
	DKK mill. —									
Current and capital expenditure, total	29 229	31 508	30 288	30 549	30 116	31 147	33 885			
Protection of ambient air and climate	1 239	930	1 208	1 488	210	402	1 682			
Wastewater management	9 240	10 124	8 821	8 524	8 870	8 857	9 594			
Waste management	10 912	11 882	11 317	11 752	11 957	12 580	12 839			
Protection of soil, groundwater and										
surface water	544	700	749	780	812	825	795			
Noise and vibration abatement	21	34	20	38	77	59	43			
Protection of biodiversity and landscapes	3 833	3 950	3 976	3 606	4 216	4 298	4 168			
Protection against radiation	33	28	38	35	40	39	60			
Research and development	1 475	1 535	2 033	1 695	1 654	1 772	1 974			
Other (incl. administration)	1 933	2 324	2 126	2 630	2 280	2 316	2 728			
Current plus capital revenue, total	18 968	20 462	19 643	20 332	21 114	21 649	22 223			
Protection of ambient air and climate	36	15	19	19	22	70	69			
Wastewater management	6 463	7 204	7 094	7 385	7 596	8 009	8 082			
Waste management	10 787	11 467	10 928	11 159	11 816	11 944	12 242			
Protection of soil, groundwater and										
surface water	56	49	46	75	114	84	51			
Noise and vibration abatement	0	0	0	0	0	1	0			
Protection of biodiversity and landscapes	760	828	827	908	826	751	970			
Protection against radiation	14	11	12	11	11	10	5			
Research and development	587	517	529	580	607	660	668			
Other (incl. administration)	263	371	188	196	121	119	137			

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