Geography and climate



Geography

The long Danish coastline

Denmark is a small country, compared to its closest neighbours. Sweden and Germany are ten times and eight times larger respectively 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 Chinese Wall. 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 407. The largest islands are, by order of mention, Sjælland, Vendsyssel-Thy, Fyn, Lolland and Bornholm. Jutland (including Vendsyssel-Thy) account for 70 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.

Denmark's nature is characterized by agriculture and forests

For thousands of years, Denmark has been an agricultural country, and this has largely characterized Danish landscapes. 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 Forest and Grib Forest are the largest forests.



```
III Table 4
```

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.

Climate

It rains or snows every second day

The Danish weather is known for being variable. It is a fact that it rains or snows every second 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.





Source: www.dmi.dk

Temperature variations of 16 °C during a year

In a year, the average 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 are. 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.

Table 1	Area, populat	Area, population and coastline										
	Land and inland water area km ²	Population 1 January 2010	Density of population per km ²	Number of islands	Inland water area 1959 km ²	Coastline 1959 km						
All Denmark	43 098.31	5 534 738	128.4	407	700	7 314						
Provinces												
Sjælland	7 450.59	2 348 684	315.2	99	184	1 735						
Lolland-Falster	1 795.34	109 896	61.2	45	24	587						
Bornholm ¹	588.55	42 255	71.8	9	3	141						
Fyn	3 485.84	484 862	139.1	100	26	1 1 30						
The Islands, total	13 320.32	2 985 697	224.1	253	237	3 593						
Jylland	29 777.99	2 549 041	85.6	154	463	3 721						
Regions												
Region Hovedstaden	2 561.27	1 680 271	656.0	28	101	602						
Copenhagen City	180.11	678 873	3 769.2	5	18	213						
Copenhagen Suburban	340.08	512 692	1 507.6									
Nordsjælland	1 452.53	446 451	307.4	14	80	248						
Bornholm ¹	588.55	42 255	71.8	9	3	141						
Region Sjælland	7 273.21	820 564	112.8	114	109	1 861						
Østsjælland	807.59	234 574	290.5	18	7	154						
Vest- og Sydsjælland	6 465.62	585 990	90.6	96	102	1 707						
Region Syddanmark	12 206.17	1 200 277	98.3	120								
Fyn	3 485.84	484 862	139.1	100	26	1 1 30						
Sydjylland	8 720.33	715 415	82.0	20		2						
Region Midtjylland	13 124.34	1 253 998	95.5	79								
Østjylland	5 907.10	826 923	140.0	48								
Vestjylland	7 217.24	427 075	59.2	31								
Region Nordjylland	7 933.32	579 628	73.1	56								
Faroe Islands	1 398.85	48 778 ³	34.9	17 ⁴		1 117 ⁵						
Greenland	410 449.00 ⁶	56 194 ³	0.1									

Note: Due to different compilation methods figures deviate from figures in table 4. 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 Christiansø (Østerskær).

Source: National Survey and Cadastra www.statbank.dk/folk1 and are207

¹ Including Christiansø. ² The border with Germany was measured as 67.7 km. In length. ³ 1 January 2009. ⁴ Inhabited islands. ⁵ Measured in 1955. ⁶ 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 2	Administrative division of Denmark. 2010									
	Municipalities	Parishes	Customs	Constituencies ²						
			and tax regions ¹	Counties and large constituencies	Constituencies					
Total	98	2 116	30	10	92					
The Islands	56	887	16	6	48					
Region Hovedstaden	29	245	7	4	28					
København by	4	81	1	1	12					
Københavns omegn	13	56	2	1	8					
Nordsjælland	11	86	3	1	6					
Bornholm	1	22	1	1	2					
Region Sjælland	17	417	6	1	12					
Østsjælland	5	60	2	ı	3					
Vest- og Sydsjælland	12	357	4	} 1	9					
Region Syddanmark	22	499	7	2	21					
Fyn	10	225	3	1	8					
Jutland	42	1 229	14	4	44					
Region Syddanmark (continued)										
Sydjylland	12	274	4	1	13					
Region Midtjylland	19	615	7	2	22					
Østjylland	11	356	4	1	11					
Vestjylland	8	259	3	1	11					
Nordjylland	11	340	3	1	9					

¹ Customs centres as well as assessment and valuation districts are also included. ² In accordance with Act no. 1292 of 8 December 2006 on elections to the Danish Parliament.

💻 www.statbank.dk/02

Tab	le 3	Are	Area and population. Regions and inhabited islands									
Muni-		Area	Population	1 January	Muni	i-	Area	Population	1 January			
cipa-		in ha			cipa-		in ha					
lity		2009	2008	2009	lity		2009	2008	2009			
code					code							
	All Denmark	4 309 831	5 475 791	5 511 451		Funen and its islands	348 584	482 410	484 346			
						Funen	298 456	451 394	453 700			
	Zealand and				430	Avernakø	586	111	111			
	its islands	745 059	2 310 624	2 329 910	492	Birkholm	92	10	10			
	Zealand	703 130	2 130 970	2 147 281	430	Bjørnø	150	36	32			
330	Agersø	684	233	221	420	Bågø	623	36	37			
	Amager	9 629	166 030	169 157	479	Drejø	426	71	69			
390	Bogø	1 307	1 124	1 112	410	Fænø	394	3	2			
370	Enø	340	275	281	479	Hjortø	90	12	13			
350	Eskilsø	139	2	2	482	Langeland	28 384	13 723	13 340			
390	Farø	93	5	5	430	Lyø	605	116	109			
370	Gavnø	575	35	40	482	Siø	131	18	17			
330	Glænø	559	62	63	479	Skarø	197	40	39			
211	Hesselø	71	0	0	482	Strynø	488	216	206			
390	Langø	127	4	3	479	Thurø	753	3 728	3 742			
390	Masnedø	168	122	135	440	Tornø	21	4	4			
390	Møn	21 775	10 200	10 074	479	Tåsinge	6 979	6 188	6 217			
326	Nekselø	223	21	21	480	Æbelø	232	2	-			
390	Nvord	499	45	41	492	Ærø	8 807	6 702	6 698			
330	Omø	452	177	169		82 named islands	1 170	•	•			
316	Orø	1 502	890	906								
185	Saltholm	1 599	5	5		Jutland	2 977 799	2 528 129	2 543 568			
326	Seierø	1 237	397	373		lutland peninsular	2 387 430	2 151 667	2 167 177			
101	Slotsholmen	21	21	19		Vendsyssel-Thy	468 573	289 630	289 849			
101	Trekroner	2	2	1	773	Agerø	385	38	35			
390	Tærø	175	4	1	727	Alrø	751	149	156			
	77 named islands	752			540	Als	31 222	52 109	51 892			
	, , namea islands	152	·	· ·	707	Anholt	2 237	164	167			
					580	Rarsø	266	23	24			
	Lolland Falster				851	Faholm	600	55	52			
	and their islands	179 53/	111 715	110 968	615	Egnolin Endelave	1 308	17/	168			
	Lolland	179 334	67 306	66 655	563	Endelave	5 5 7 8	2102	3 207			
376	Eolator	51 376	13 640	43 530	770	Fur	2 2 2 2	972 872	207 265			
360	Λείκα	21270	45 040	45 550 16	213	Hircholm	17	072	005			
360	Foia	1 600	47 557	57/	766	Hiarna	221	106	107			
360	Foma	1 1 2 2	150	1/7	671	loginda	701	524	500			
260		1130	1.50	5	500	Kalva	10	J24 0	500			
260	Skalø	106	0	11	020		221	10	,			
260	27 namod islands	100	9		020		10 122	2 002	1 002			
500	57 Hameu Islanus	000	•	•	0ZJ EG1	Læsø	10 122	2 005	1 995			
							207	22 001	22,000			
					775	NIOIS Bama	12 996	22 091	22 090			
	Downholm and				7/1	NØIIIØ Someg	12 000	4 005	1002			
	ite ielande		42 042	12 650	741	Store Okcor	11 200	4 085	4 003			
100	Rombolm	30 033	42 913	42 009			11	3 110	ر 110			
400	DUIIIIUIIII Christianse ¹	כוס סכ	42 817	42 503	121	i uliø Vong	352	119	811			
411		25	} 96	96	0/I	venø Åre	646	201				
411	FIEDEFIKSØ'	4	J		510	AIØ 129 nomed istands	566	16/				
411	o named islands	11	•	٠		i zo nameo Islanos	2 859	•	•			

¹ Not included in the division of municipalities, administered by the Ministry of Defence.

💻 www.statbank.dk/bef4

Km² Per cent Total area 43 560.76 100.00 Artificial surfaces 4 246.46 9.75 Urban fabric, industrial and commercial units ¹ 3 154.63 7.24 Motorway 43.96 0.10 Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Total area 43 560.76 100.00 Artificial surfaces 4 246.46 9.75 Urban fabric, industrial and commercial units ¹ 3 154.63 7.24 Motorway 43.96 0.10 Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Artificial surfaces 4 246.46 9.75 Urban fabric, industrial and commercial units ¹ 3 154.63 7.24 Motorway 43.96 0.10 Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 - 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Urban fabric, industrial and commercial units ¹ 3 154.63 7.24 Motorway 43.96 0.10 Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Motorway 43.96 0.10 Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Expressway 9.10 0.02 Road broader than 6 metres 269.02 0.62 Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Road broader than 6 metres 269.02 0.62 Road 3 - 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Road 3 – 6 metres 551.58 1.27 Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Railway 58.22 0.13 Bridge 0.02 0.00 Embankment 2.64 0.01
Bridge 0.02 0.00 Embankment 2.64 0.01
Embankment 2.64 0.01
Runway 3.31 0.01
Mineral extraction sites 19.94 0.05
Technical sites 17.46 0.04
Cemeteries 6.96 0.02
Sport facilities 52.18 0.12
Leisure facilities 57.44 0.13
Agricultural areas 28 897.85 66.34
Arable land 28 615.01 65.69
Market garden 33.87 0.08
Pastures 155.18 0.36
Pastures in urban areas 93.72 0.22
Land principally occupied by agriculture, with significant areas of natural vegetation0.070.00
Forests and semi-natural areas 6 788.32 15.58
Forest 1 829.48 4.20
Broad-leaved forest 1 309.40 3.01
Coniferous forest 2 147.34 4.93
Mixed forest 7.98 0.02
Natural grassland 391.92 0.90
Moors and heath land 981.76 2.25
Beaches, dunes and sand plains51.210.12
Sparsely vegetated areas 69.23 0.16
Wetlands 2 274.89 5.22
Meadows 808.89 1.86
Inland wetlands 205.66 0.47
Peat bogs 875.60 2.01
Salt marshes 384.74 0.88
Water bodies 670.59 1.54
Lakes 616.49 1.42
Stream width 8-12 metres 49.42 0.11
Reeds 0.34 0.00
Fish farms 4.34 0.01
Unclassified 682.65 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.

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.

Source: National Environmental Research Institute

Table 5							
Lake's name	Location	1999-2002 2004-2008		Lake's name	Location	1999-2002	2004-2008
		km ² ·				ki	m ²
Arresø	Sjælland	39.5	39.6	Søndersø	Lolland	8.4	8.0
Esrum Lake	Sjælland	17.4	17.4	Tystrup Lake	Sjælland	6.7	6.7
Mossø	Østjylland	16.6	16.6	Julsø	Østjylland	5.8	5.8
Stadil Fjord ¹	Vestjylland	17.3	16.2	Tømmerby Fjord	Nordjylland	6.0	5.7
Saltbæk Vig ¹	Sjælland	16.1	15.9	Ulvedybet	Nordjylland	5.9	5.5
Tissø	Siælland	12.7	12.5	Tange Lake	Vestivlland	5.5	5.5
Furesø	Sjælland	9.3	9.4	Lund Fjord	Nordjylland	5.1	5.1
Skanderborg Lake	Østjylland	8.6	8.6	-			

¹ Area of brackish water.

💻 www.kms.dk

Table 6	Ν	Лeteo	rologio	cal con	dition	s							
	Jan.	Feb.	Marts	April	Maj	Juni	Juli	Aug.	Sept.	Okt.	Nov.	Dec.	Året
Mean temperature - Normal (1961-1990) 2009	0.0 1.0	0.0 0.8	2.1 4.0	5.7 9.4	10.8 11.5	14.3 13.9	— °C — 15.6 17.2	15.7 17.4	12.7 14.1	9.1 7.9	4.7 7.3	1.6 0.8	7.7 8.8
Average daily temperature Normal (1961-1990) 2009	2.0 2.7	2.2 2.6	4.9 6.6	9.6 14.7	15.0 15.7	18.7 18.2	19.8 21.6	20.0 21.4	16.4 17.9	12.1 10.7	7.0 8.9	3.7 2.6	10.9 12.0
Average nightly temperature Normal (1961-1990) 2009	-2.9 -1.1	-2.8 -1.5	-0.8 1.3	2.1 4.5	6.5 7.2	9.9 9.4	11.5 13.0	11.3 13.6	9.1 10.4	6.1 4.9	2.3 5.5	-0.7 -1.4	4.3 5.5
Maximum temperature 1874-2009 Temp. Measured during the years 2009	12.4 <i>2005</i> 7.3	15.8 <i>1990</i> 8.7	22.2 <i>1990</i> 13.7	28.6 <i>1993</i> 23.8	32.8 <i>1892</i> 26.0	35.5 <i>1947</i> 27.9	35.3 <i>1941</i> 29.9	36.4 <i>1975</i> 32.7	32.3 <i>1906</i> 28.1	24.1 <i>1978</i> 17.2	18.5 <i>1968</i> 14.2	14.5 <i>1953</i> 9.7	36.4 <i>1975</i> 32.7
Minimum temperature 1874-2009 Temp. Measured during the years 2009	-31.2 <i>1982</i> -13.0	-29.0 <i>1942</i> -13.9	-27.0 <i>1888</i> -8.0	-19.0 <i>1922</i> -2.9	-8.0 <i>1900</i> -0.1	-3.5 <i>1936</i> 0.2	-0.9 <i>1903</i> 5.7	-2.0 <i>1885</i> 7.1	-5.6 <i>1886</i> 0.4	-11.9 <i>1880</i> -4.9	-21.3 <i>1973</i> -3.0	-25.6 <i>1981</i> -19.0	-31.2 <i>1982</i> -19.0
Degree-days - Normal (1961-1990) 2009	522 497	491 453	461 403	337 227	198 170	——— d 84 106	egree-days 43 21	47 19	128 90	243 282	361 290	469 501	3 382 3 061
Precipitation [–] Normal (1961-1990) 2009	57 41	38 34	46 53	41 10	48 56	55 63	— mm. — 66 86	67 68	73 45	76 79	79 126	68 71	712 732
Bright sunshine, all DK Normal (1961-1990) 2009	43 39	69 56	110 106	162 272	209 274	209 280	– hours — 196 220	186 200	128 160	87 114	54 26	43 46	1 495 1 793
Summer days (max. >25°) [–] Normal (1961-1990) 2009	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.2 <	1.9 1.8	– days — 2.6 4.1	2.3 4.1	0.1 0.6	0.0 0.0	0.0 0.0	0.0 0.0	7.2 10.7
Frost days (min. <0°) Normal (1961-1990) 2009	19.0 17.8	19.0 19.5	15.0 6.8	6.6 1.2	0.7 0.0	< 0.0	0.0 0.0	0.0 0.0	0.2 0.0	1.8 2.3	7.3 0.8	15.0 18.6	84.0 66.9
Ice days (max. <0°) Normal (1961-1990) 2009	8.6 3.1	7.5 2.3	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 6.2	23.0 11.5
Precipitation days (R ³ 0.1 mm Normal (1961-1990) 2009) 17.0 12.8	13.0 16.1	14.0 16.0	12.0 4.3	12.0 14.2	12.0 11.0	13.0 19.3	13.0 15.9	15.0 11.8	16.0 17.4	18.0 27.2	17.0 17.9	171.0 183.9
Days with snow Normal (1961-1990) 2009	7.6 3.1	6.4 9.4	5.3 1.2	2.6 0.0	0.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.1 0.2	2.3 0.0	5.8 6.1	30.0 20.0

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