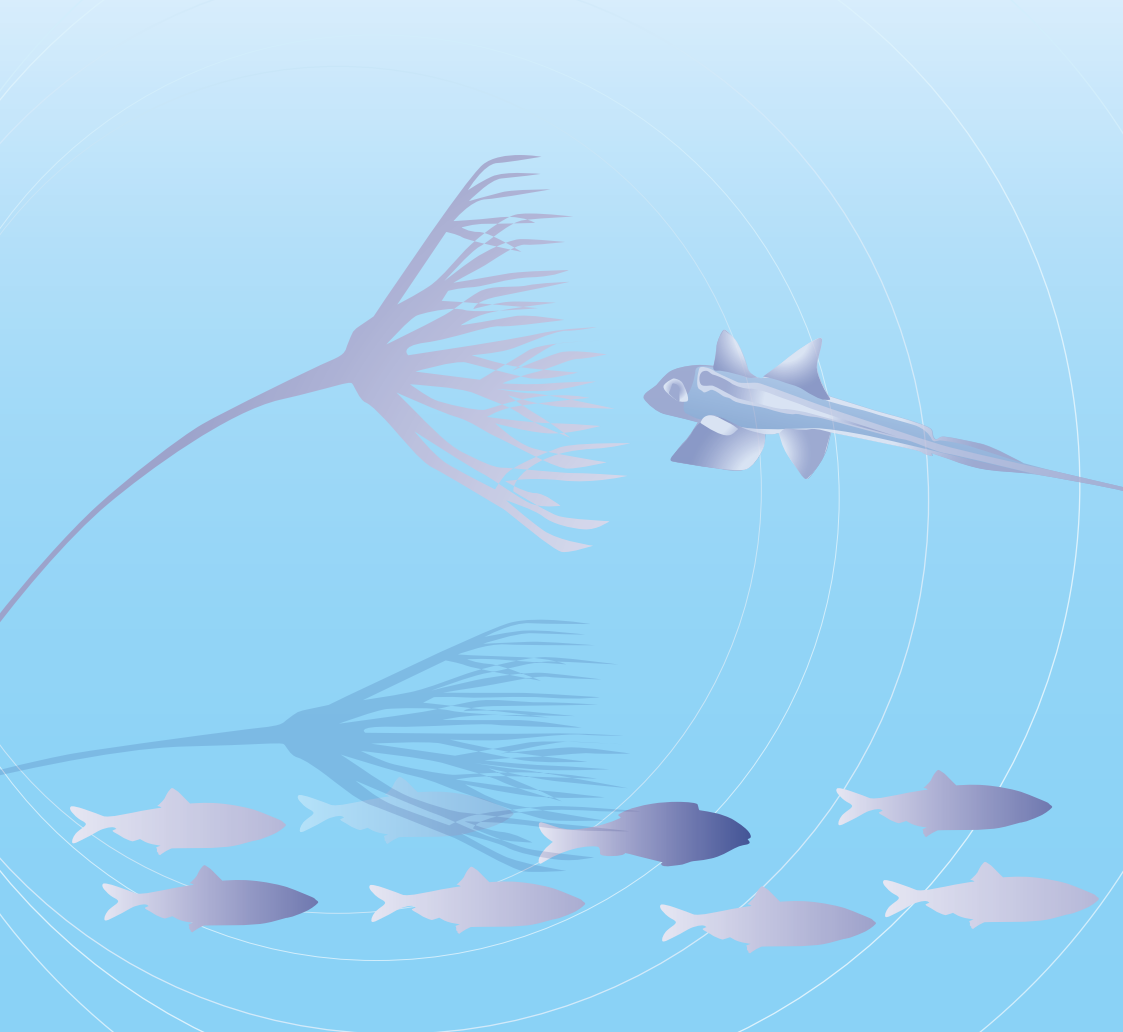




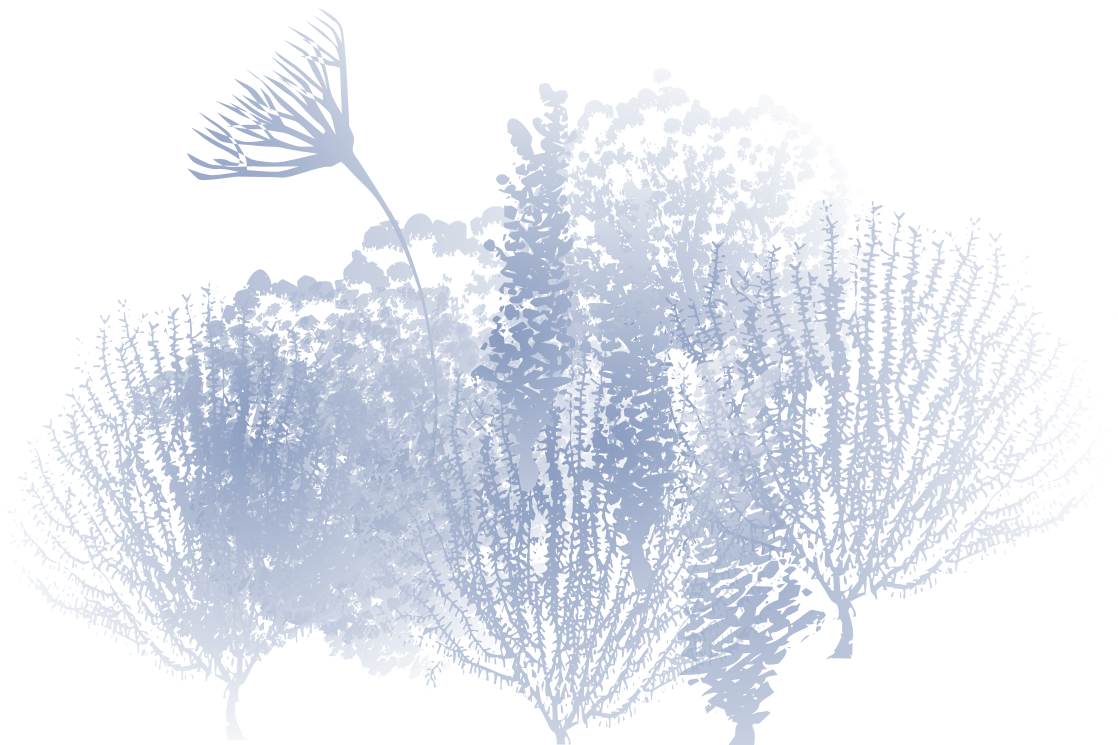
Facts about Fisheries and Aquaculture 2011



NORWEGIAN MINISTRY OF
FISHERIES AND COASTAL AFFAIRS

Contents

Norwegian seafood production – consumption and export	2
Fisheries and catches	8
Whitefish	15
Pelagic fish	17
Shrimp	20
Marine mammals	21
Aquaculture	22
Research and innovation	30



Norwegian seafood production – consumption and export

The Norwegian fishing and aquaculture industry currently supplies seafood to consumers in about 150 countries worldwide. This is healthy food, produced in a cold ocean environment. The fishing and aquaculture industry is one of Norway's foremost export industries and is vital for settlement and activities along the Norwegian coast. It provides employment in fishing, aquaculture and the fishing industry, and has widespread effects on trade and industry as well as on research and development.

Norway controls some of the world's most productive marine environments, with excellent conditions for conducting environmentally friendly aquaculture. Norway places great emphasis on gaining knowledge of fish resources, the ocean environment and how the interplay between species functions. Simultaneously there is comprehensive regulation of fishing resources to ensure a sustainable management.

Consumers must have confidence in Norwegian seafood. Food safety throughout the entire production chain is a primary focus, and the levels of foreign substances are documented. The consumer must be able to know with certainty that Norwegian seafood is safe and healthy.



Norwegian consumption of seafood 2006–2010

per person, kilos

	2006	2007	2008	2009*	2010*
Purchased	17,9	17,5	17,1	17,2	17,2
Caught by consumer	1,0	1,1	1,2	1,1	0,74
Gift	0,3	0,2	0,3	0,3	0,17
Total consumption at home	19,2	18,8	18,6	18,6	18,1
Institutional household**	3,7	4,2	4,3	4,4	
Total consumption	22,9	23,0	22,8	23,0	

Source: GfK-Norge/Sissel Flesland Markedsinformasjoner/the Norwegian Seafood Export Council

* The figures are preliminary

** Hotels, restaurants etc.

Norwegian consumption of seafood purchased 2003–2010

per person, kilos

Species	2003	2004	2005	2006	2007	2008	2009	2010
Cod	2,73	2,46	2,59	2,71	2,63	2,79	2,88	2,69
Shrimp	2,13	2,23	2,20	2,00	2,00	1,74	1,74	1,66
Atlantic Salmon	1,71	1,79	1,93	1,88	2,06	2,17	2,18	2,16
Saithe	1,30	1,50	1,23	1,39	1,20	1,09	1,04	1,00
Herring	1,18	1,19	1,11	1,10	1,03	1,02	0,94	0,94
Mackerel	1,10	1,09	1,14	1,06	1,11	1,15	1,17	1,24
Rainbow Trout	0,71	0,71	0,68	0,70	0,76	0,82	0,76	0,54

Source: GfK-Norge/the Norwegian Seafood Export Council

Seafood production 2009

tonnes

	Catches	Fish-farming	Total
Worldwide	88 918 060	55 680 738	144 598 798
Norway	2 524 437	961 840	3 486 277

Source: FAO, the Norwegian Seafood Export Council



Seafood exports 2008

tonnes, 1000 USD

	Quantity	Value
Worldwide	30 007 351	95 692 730
Norway	2 340 718	6 993 982

Exclusive of aquatic plants

Source: FAO, the Norwegian Seafood Export Council



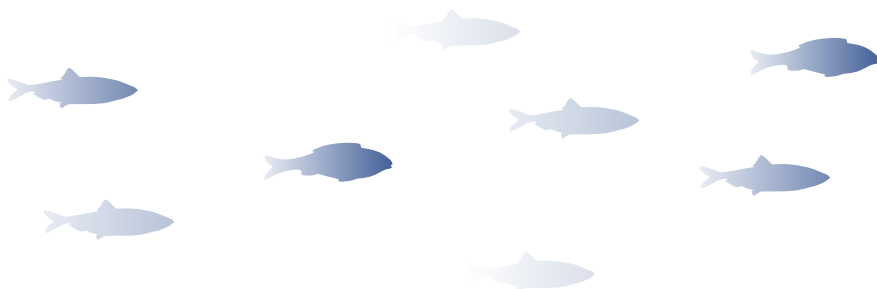
Largest seafood production nations – catches and fish-farming 2009

mill tonnes

Country	Quantity
China	49,7
India	7,8
Peru	7,0
Indonesia	6,8
Vietnam	4,8
USA	4,7
Japan	4,6
Chile	4,2
The Russian Federation	3,9
Myanmar (Burma)	3,5
Norway	3,5
Philippines	3,3
Thailand	3,1
Bangladesh	2,9
Korea	2,3

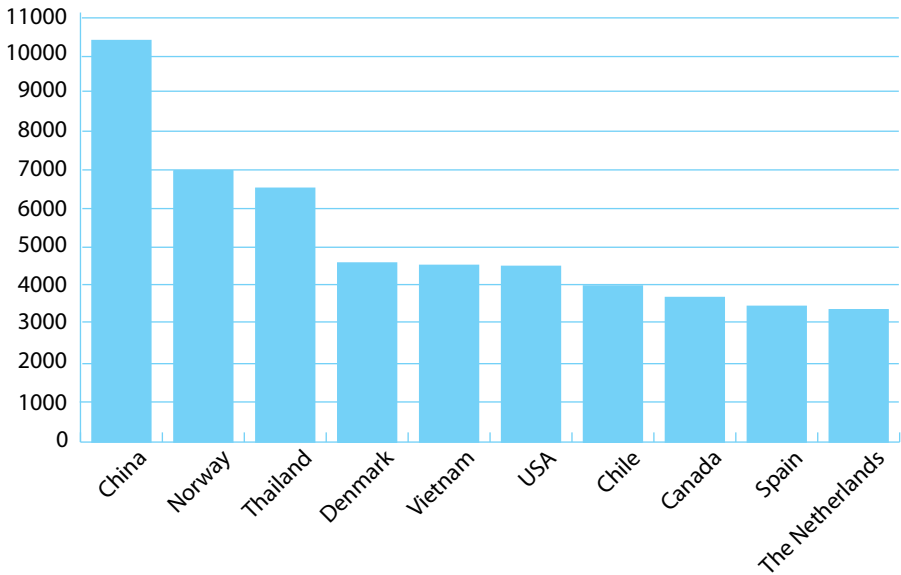
Exclusive of aquatic plants

Source: FAO, the Norwegian Seafood Export Council



Largest seafood export nations 2008

mill USD

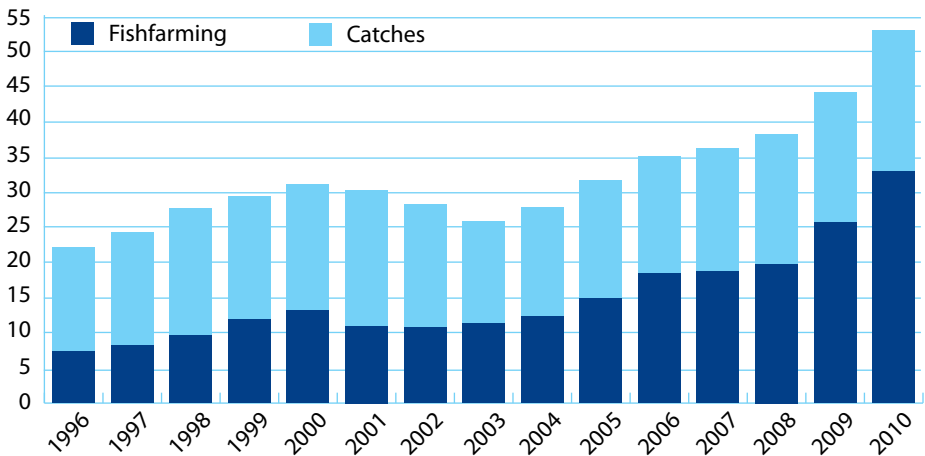


Source: FAO, the Norwegian Seafood Export Council



Norwegian seafood exports 1996–2010

1000 mill NOK



Source: Statistics Norway, the Norwegian Seafood Export Council

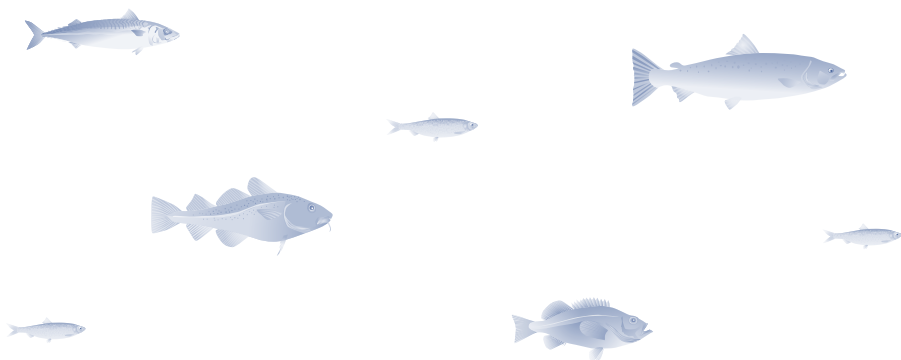


Main export markets for Norwegian seafood 2010

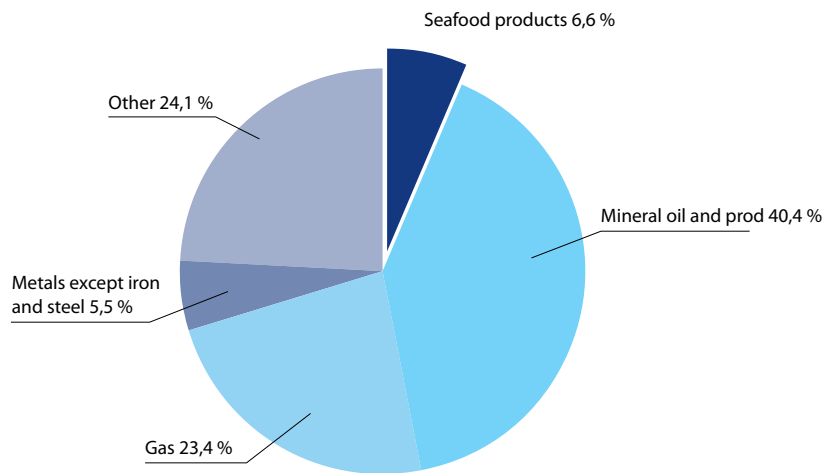
1000 NOK, tonnes

Country	Value	Quantity
France	5 280 877	142 702
The Russian Federation	5 241 488	350 777
Poland	4 115 083	153 850
Denmark	4 103 873	196 459
USA	2 729 652	56 845
Great Britain	2 569 093	127 462
Japan	2 458 924	134 319
China	2 341 467	152 079
Sweden	2 266 474	69 705
Germany	2 116 694	99 575
Portugal	1 862 087	50 162
The Netherlands	1 842 596	95 838
Spain	1 765 848	49 952
Italy	1 435 736	29 394
Brazil	1 306 965	35 561
Ukraine	1 062 425	140 141
Finland	1 047 188	45 543
Lithuania	979 532	71 473
Nigeria	889 557	160 157
Hong Kong	783 435	19 861
South-Korea	517 722	20 678
Turkey	505 592	53 584

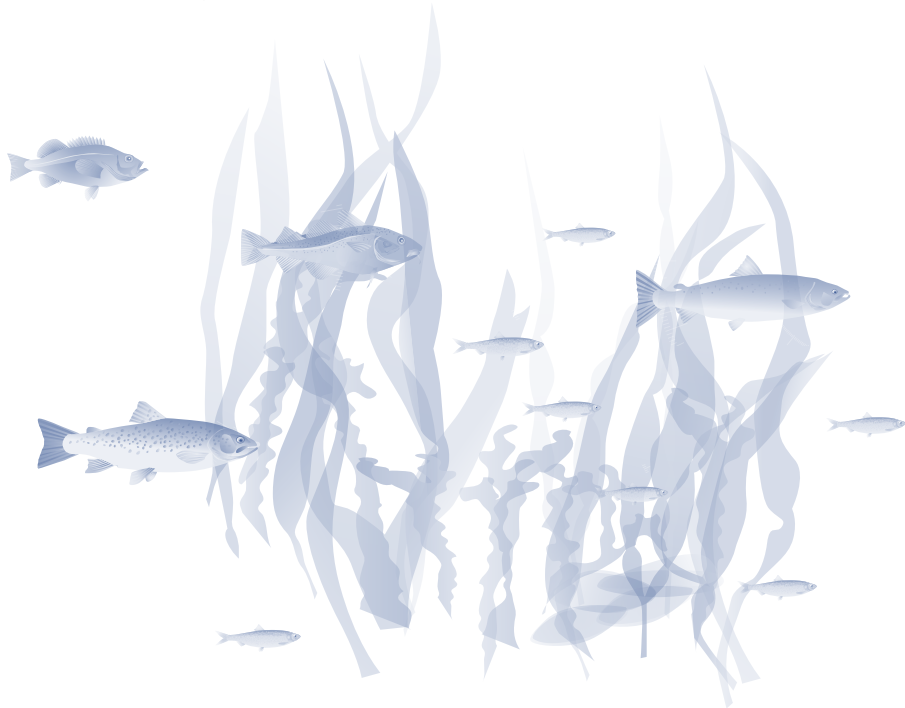
Source: Statistics Norway, the Norwegian Seafood Export Council



Fisheries and aquaculture's share of Norwegian exports 2010



Source: Statistics Norway, the Norwegian Seafood Export Council



Fisheries and catches

Fishing has always been the basis for settlement and employment along the Norwegian coast. The fisherman of today is far more efficient than a few decades ago. Technological facilities and improved fishing methods and vessels mean that today's fishermen catch much larger quantities per man. Strict regulation with set quotas and control mechanisms is therefore necessary for sustainable development that will ensure that future generations can also harvest the wealth of the sea.

Development has moved in the direction of fewer and more efficient fishing boats. At the same time, Norway has a composite fishing fleet with respect to the size and type of fishing equipment – ocean fishing vessels and a large number of larger and smaller coastal vessels. The quality of the products and the markets where these are sold are emphasised concerns throughout the entire chain, from the moment the fish is caught at sea to when it reaches consumers all over the world.

Sustainable resource management is fundamental to the Norwegian fishing policy. Simultaneously, fisheries and fishing will help to safeguard settlements and create new activity along the coast.



Fishing vessels operated all-year-round 2010

by county, length

County	0 – 11 m	11 – 14,9 m	15 – 20,9 m	21 – 27,9 m	28 m and over	Total
Finnmark	640	100	22	20	16	798
Troms	648	104	29	18	16	815
Nordland	1 028	231	87	52	34	1 432
Nord- og Sør-Trøndelag	353	57	7	6	4	427
Møre og Romsdal	423	80	9	16	76	604
Sogn og Fjordane	174	21	9	17	29	250
Hordaland	264	24	7	10	45	350
Rogaland	205	33	6	13	16	273
Other counties	386	62	12	15	3	478
Total	4 121	712	188	167	239	5 427

Source : The Directorate of Fisheries

Vessels registered by catch value with the Directory of Fisheries. Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per January 2011.

Number of fishermen 1940–2010

Year	Sole or main occupation	Secondary occupation	Total
1940	80 387	41 574	121 961
1950	68 149	30 175	98 324
1960	49 720	20 655	70 375
1990	20 475	7 043	27 518
1995	17 160	6 491	23 651
2000	14 264	5 811	20 075
2001	13 674	5 221	18 896
2002	13 841	4 651	18 492
2003	13 171	3 966	17 137
2004	12 538	2 916	15 454
2005	11 611	2 933	14 544
2006	10 838	2 863	13 701
2007	10 547	2 667	13 214
2008	10 275	2 592	12 867
2009	10 128	2 528	12 656
2010 ¹⁾	9 924	2 356	12 280

Source: The Directorate of Fisheries per 23.02.2011

Vessels registered by catch value with the Directory of Fisheries. Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per January 2011.

1) The figures for 2010 are preliminary per February 2011

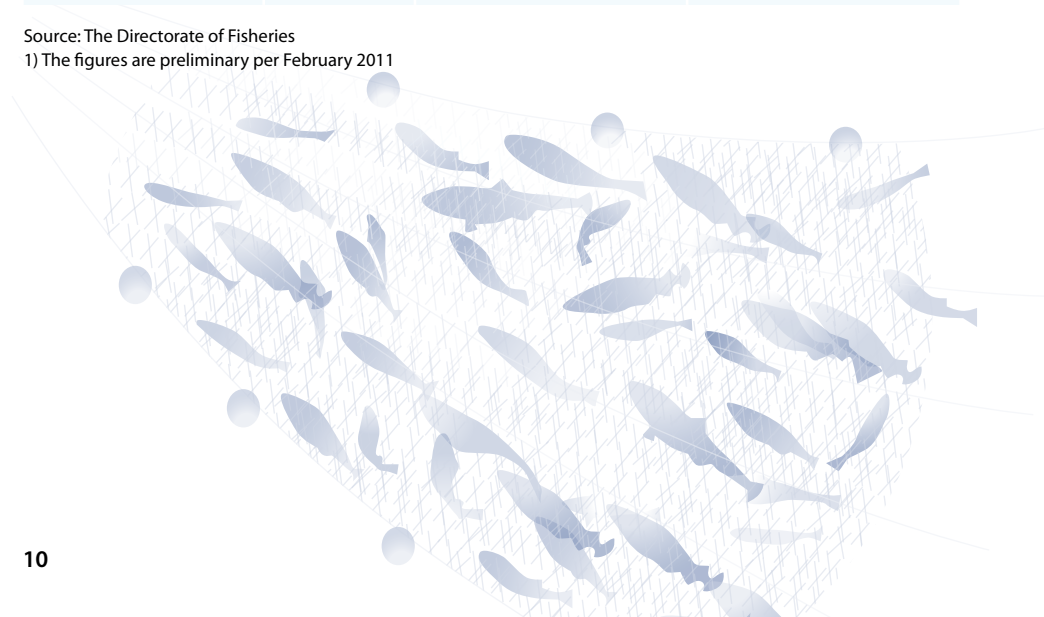
Number of fishermen 2010¹⁾

by county

County	Sum	Sole or main occupation	Secondary occupation
Finnmark	1 200	932	268
Troms	1 741	1 314	427
Nordland	2 883	2 394	489
Nord-Trøndelag	315	225	90
Sør-Trøndelag	535	420	115
Møre og Romsdal	2 546	2 196	350
Sogn og Fjordane	758	608	150
Hordaland	974	858	116
Rogaland	528	387	141
Vest-Agder	309	206	103
Aust-Agder	96	68	28
Telemark	71	53	18
Vestfold	74	55	19
Buskerud	13	12	1
Oppland	15	13	2
Hedmark	17	16	1
Akershus	37	34	3
Oslo	38	33	5
Østfold	130	100	30
Total	12 280	9 924	2 356

Source: The Directorate of Fisheries

1) The figures are preliminary per February 2011



Registered vessels 1990–2010

by county

County	1990	2000	2003	2006	2009	2010 ¹⁾
Finnmark	1 883	1 685	1 368	1 048	922	910
Troms	3 242	2 376	1 706	1 239	1 095	1 006
Nordland	4 200	3 342	2 529	1 884	1 631	1 579
Nord-Trøndelag	523	453	324	198	191	192
Sør-Trøndelag	921	463	348	307	304	305
Møre og Romsdal	1 946	1 471	1 127	812	707	700
Sogn og Fjordane	1 316	715	506	335	286	288
Hordaland	1 265	764	675	503	450	427
Rogaland	727	611	492	375	339	338
Vest-Agder	614	454	343	236	239	239
Aust-Agder	207	196	141	103	97	88
Telemark	116	97	86	62	58	56
Vestfold	136	141	91	59	61	66
Buskerud	21	10	8	5	5	4
Oppland	0	0	0	1	0	0
Hedmark	0	0	0	1	0	0
Oslo	12	14	9	2	5	5
Akershus	25	36	21	12	13	11
Østfold	237	189	141	118	103	95
Total	17 391	13 017	9 915	7 300	6 506	6 309

Source: The Directorate of Fisheries

1) The figures are preliminary per March 2011



Catches landed by Norwegian fishing vessels 2005–2010

live weight tonnes

Species	2005	2006	2007	2008	2009	2010 ¹⁾
Herring	748 220	710 591	884 593	1 027 873	1 077 250	921 283
Sardines	1 957	11 470	12 933	4 453	11 469	14 647
Mackerel	119 878	122 011	131 698	121 496	121 229	233 957
Capelin	67 339	2 047	41 098	40 907	233 005	272 416
Blue whiting	738 599	642 452	539 589	418 289	225 996	194 318
Sandeel	17 661	20 151	55 856	88 203	64 711	143 682
Horse mackerel	25 113	27 224	5 425	12 244	72 619	12 503
Cod	225 775	221 299	217 789	215 444	243 659	283 310
Saithe	230 567	256 856	225 464	227 295	202 377	227 896
Haddock	63 337	71 412	73 286	74 299	106 324	124 839
Tusk	11 862	14 347	15 293	16 197	13 763	16 826
Ling	15 133	17 195	19 049	19 886	17 108	18 762
Redfish	12 960	17 345	13 722	8 117	8 296	13 331
Greenland halibut	15 632	13 336	10 163	9 017	10 176	9 751
Shrimp	48 311	38 709	37 401	30 741	27 325	22 125
Mussels	727	808	876	918	775	767
Seaweed and seatangle	148 322	153 906	145 429	*	*	*
Other	48 976	68 530	109 299	121 365	101 053	163 541
Total	2 540 369	2 409 689	2 538 963	2 436 744	2 537 135	2 673 954

1) Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per 28.3.2011.

* Because of few units, this number will not be presented statistically.

Source: The Directorate of Fisheries



Catches landed by Norwegian fishing vessels 2006–2010

1000 NOK

Species	2006	2007	2008	2009	2010 ¹⁾
Herring	2 245 883	2 245 883	2 805 632	2 686 017	2 736 493
Sardines	22 014	30 942	18 522	31 955	38 540
Mackerel	975 894	979 479	1 290 264	960 129	1 817 983
Capelin	4 050	95 091	98 599	378 513	530 101
Blue Whiting	773 253	847 982	423 999	316 242	363 131
Sandeel	27 091	85 396	101 874	91 836	269 079
Horse mackerel	115 341	19 006	101 754	279 090	70 034
Cod	3 305 251	3 693 230	3 533 105	2 823 277	2 968 869
Saithe	1 395 019	1 264 863	1 266 539	1 207 616	1 599 197
Haddock	775 560	840 534	647 339	828 500	1 044 272
Tusk	122 280	130 399	128 873	97 010	135 892
Ling	229 597	245 860	239 273	174 790	201 211
Redfish	165 213	100 230	66 477	62 010	124 261
Greenland halibut	282 249	177 496	182 243	200 849	219 694
Shrimp	617 240	663 698	588 037	554 072	516 644
Mussels	16 655	18 100	19 137	16 241	16 061
Seaweed and kelp	28 507	26 678	*	*	*
Other	608 387	612 434	646 670	602 427	661 333
Total	11 709 484	12 077 301	12 158 337	11 310 574	13 312 795

1) Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per 28.3.2011.

* Because of few units, this number will not be presented statistically.

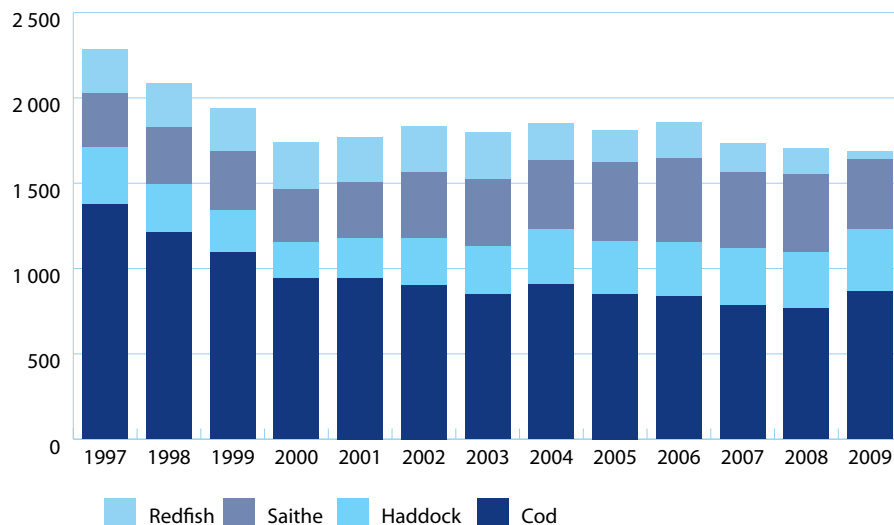
Source: The Directorate of Fisheries



Whitefish

Catches of whitefish in the North Atlantic 1997–2009

1000 tonnes



Source: FAO, the Norwegian Seafood Export Council

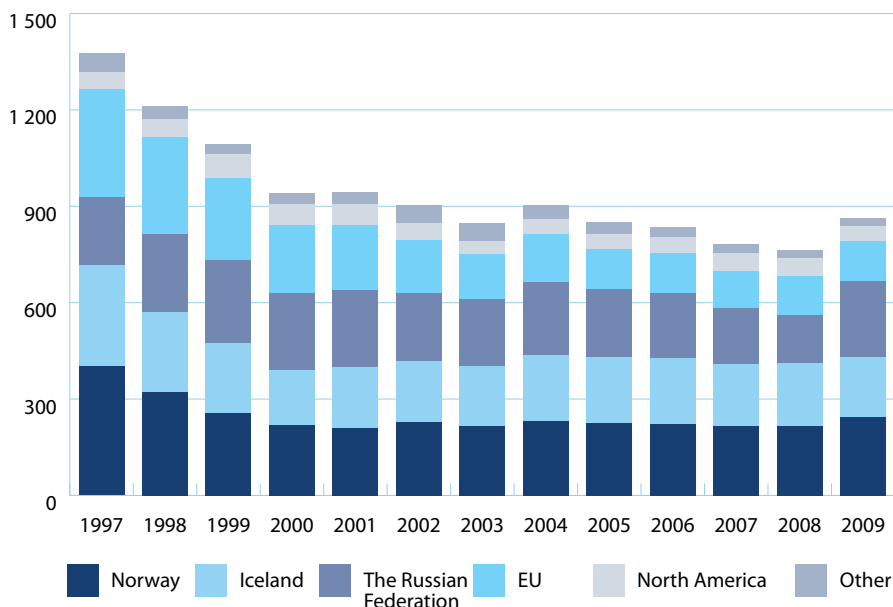
Norwegian exports of whitefish 2010 1000 NOK, tonnes

Species	Value	Quantity
Cod	5 697 141	163 964
Saithe	2 095 247	101 708
Haddock	1 340 833	83 340
Greenland halibut	314 834	8 476
Ling	275 911	8 776
Redfish	180 261	5 539
Tusk	150 144	3 051
Other	135 718	8 122
Total	10 471 248	39 2521

Source: Statistics Norway, the Norwegian Seafood Export Council

Catches of cod in the North-Atlantic 1997–2009

1000 NOK



Source: FAO, the Norwegian Seafood Export Council



Norway's main export markets for cod 2010

1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
Portugal	1 608 927	43 331	The Netherlands	107 711	4 800
Denmark	708 315	21 252	Poland	88 135	4 973
Brazil	553 041	9 909	Germany	75 052	2 568
Italy	518 828	6 392	Greece	74 041	2 469
Great Britain	402 648	13 944	USA	55 820	1 059
France	346 411	8 913	Switzerland	40 238	762
China	319 118	17 537	Belgium	39 902	982
Spain	246 544	8 582	Lithuania	33 775	1 853
Sweden	204 507	6 291	Canada	27 679	1 165
Nigeria	116 404	3 868	Croatia	21 102	197

Source: Statistics Norway, the Norwegian Seafood Export Council

Pelagic fish

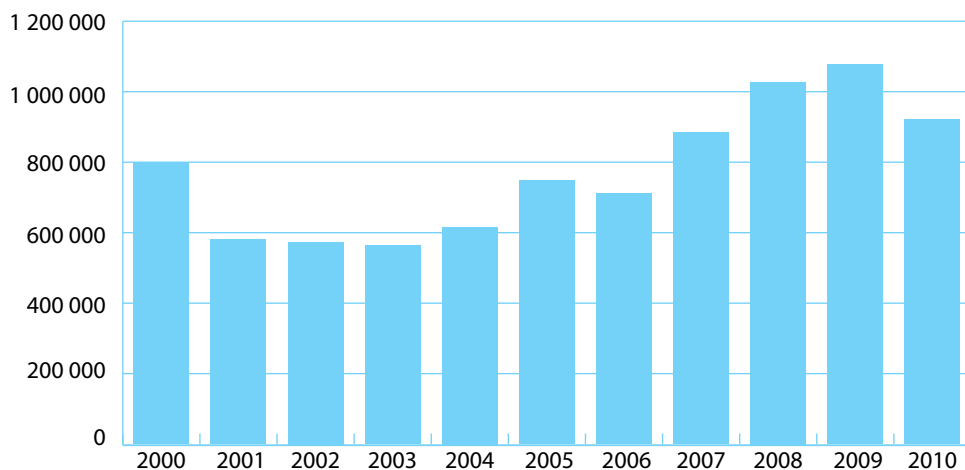
Norwegian exports of pelagic fish for consumption 2010 *1000 NOK, tonnes*

Species	Value	Quantity
Herring	3 667 576	663 807
Mackerel	2 981 681	277 456
Capelin	474 159	126 968
Horse mackerel	129 061	18 069
Blue whiting	40 976	10 595
Other pelagic fish	28 741	3 823
Tuna	1 546	123
Anchovy	63	1
Total	7 323 806	1 100 842

Source: Statistics Norway, the Norwegian Seafood Export Council

Norwegian catches of herring 2000–2010¹⁾

live weight tonnes



1) Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per 28.03.2011.

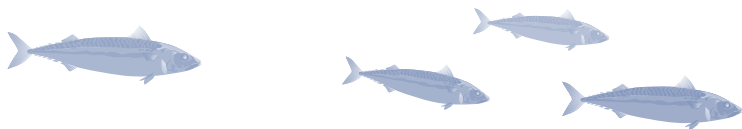
Source: The Directorate of Fisheries

Norway's main export markets for herring 2010

1000 NOK, tonnes

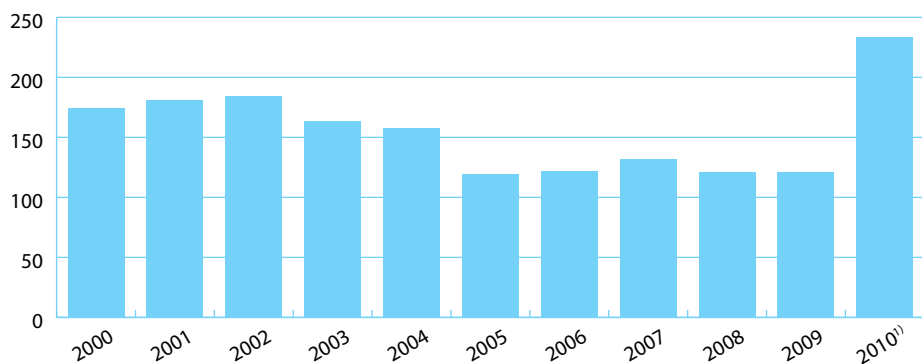
Country	Value	Quantity	Country	Value	Quantity
The Russian Federation	861 940	166 607	Egypt	85 016	22 622
Nigeria	508 929	129 185	Great Britain	75 299	16 673
Germany	426 299	55 677	Kazakhstan	66 538	14 670
Ukraine	374 255	76 423	Finland	37 787	3 090
The Netherlands	251 084	27 601	Japan	36 007	4 855
Poland	228 496	31 485	France	30 575	4 095
Denmark	156 891	26 397	Belgium	21 905	2 429
Lithuania	149 094	30 319	Latvia	20 589	4 573
Belarus	115 983	16 837	Israel	18 810	2 581
Sweden	110 908	10 219	Moldova	12 391	2 681

Source: Statistics Norway, the Norwegian Seafood Export Council



Catches of mackerel by Norwegian fishing vessels 2000–2010¹⁾

live weight 1000 tonnes



1) Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries. About 37 % of the mackerel quota from 2009 remained unharvested. This quantity was transferred to 2010.

* The figures are preliminary per March 2011

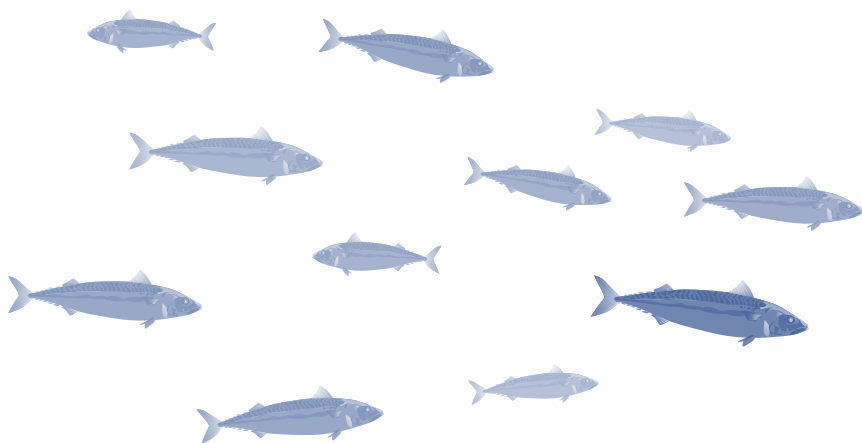
Source: The Directorate of Fisheries

Norway's main export markets for mackerel 2010

1000 NOK, tonnes

Country	Value	Quantity
Japan	971 430	77 800
China	527 032	51 033
Turkey	200 669	25 950
South-Korea	183 592	12 623
Nigeria	178 514	24 942
The Russian Federation	178 100	16 009
The Netherlands	105 465	9 607
Ukraine	90 107	8 493
USA	71 798	3 965
Poland	67 600	8 459
Sweden	55 925	2 667
Great Britain	50 629	7 115
Taiwan	35 121	2 560
Thailand	29 406	2 066
Belarus	25 572	2 775
Egypt	21 551	3 558
Germany	18 533	1 241
Romania	17 273	2 460
Israel	15 976	998
Lithuania	14 608	1 540

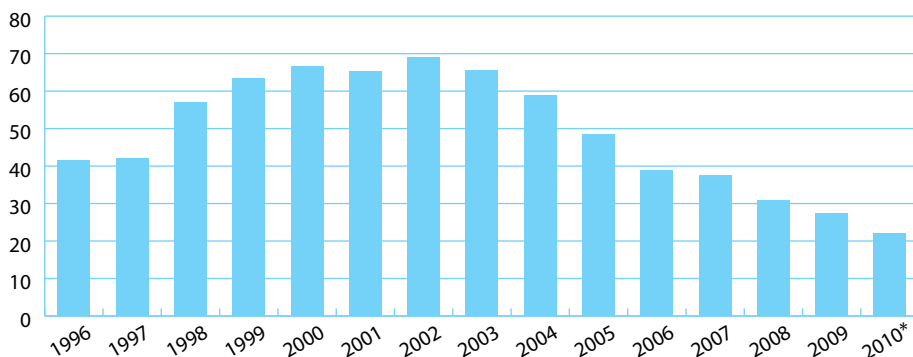
Source: Statistics Norway, the Norwegian Seafood Export Council



Shrimp

Catches of shrimp by Norwegian fishing vessels 1996–2010¹⁾

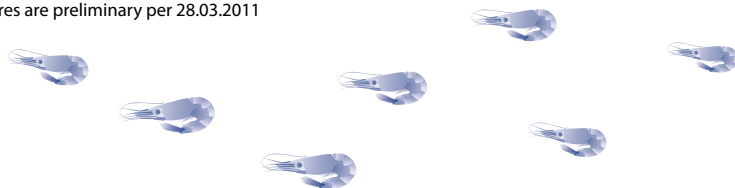
live weight tonnes



1) Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per March 2011

Source: The Directorate of Fisheries

* The figures are preliminary per 28.03.2011



Norway's main export markets for shrimp 2010

1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
Sweden	209 330	4 220	Germany	3 461	66
Great Britain	107 361	2 604	South-Korea	1 681	37
Finland	77 970	1 805	Turkey	1 097	21
Iceland	59 835	4 503	China	991	58
France	17 954	333	Estland	869	20
Denmark	13 869	336	Poland	580	12
Italy	6 679	88	Japan	558	12
Spain	4 653	87	South Afrika	311	3
Switzerland	4 084	79	India	289	10
Singapore	3 464	80	Ukraine	238	7

Source: Statistics Norway, the Norwegian Seafood Export Council

Marine mammals

Norwegian sealing 1980–2010

Year	Hooded seal (The West Ice)	Harp seal (The West Ice)	Harp seal (The East Ice)
1980	9 768	9 983	15 202
1985	338	557	19 007
1990	423	5 508	9 522
1995	933	8 206	6 842
2000	1 936	12 343	6 357
2006	3 647	3 304	10 086
2007	62	7 828	6 153
2008	0	1 263	0
2009	402 ¹⁾	8 035	0
2010	178 ¹⁾	4678 ²⁾	115 ³⁾

Source: The Directorate of Fisheries

1) Scientific catch

2) Scientific catch constitutes 20 animals

3) Scientific catch constitutes 10 animals

Norwegian coastal seal hunt 1998–2010

Year	Harbour seal	Gray seal
1998	83	34
1999	308	130
2000	359	176
2001	466	105
2002	412	110
2003	457	353
2004	549	302
2005	614	379
2006	660	329
2007	905	456
2008	900	458
2009	585	516
2010	159	363

Source: The Directorate of Fisheries

Norwegian minke whaling 1998–2010

Year	Vessels	Number of animals
1998	34	624
1999	34	589
2000	33	487
2001	33	552
2002	34	634
2003	34	647
2004	34	543
2005	31	639
2006	28	545
2007	28	593
2008	27	535
2009	21	484
2010	18	468

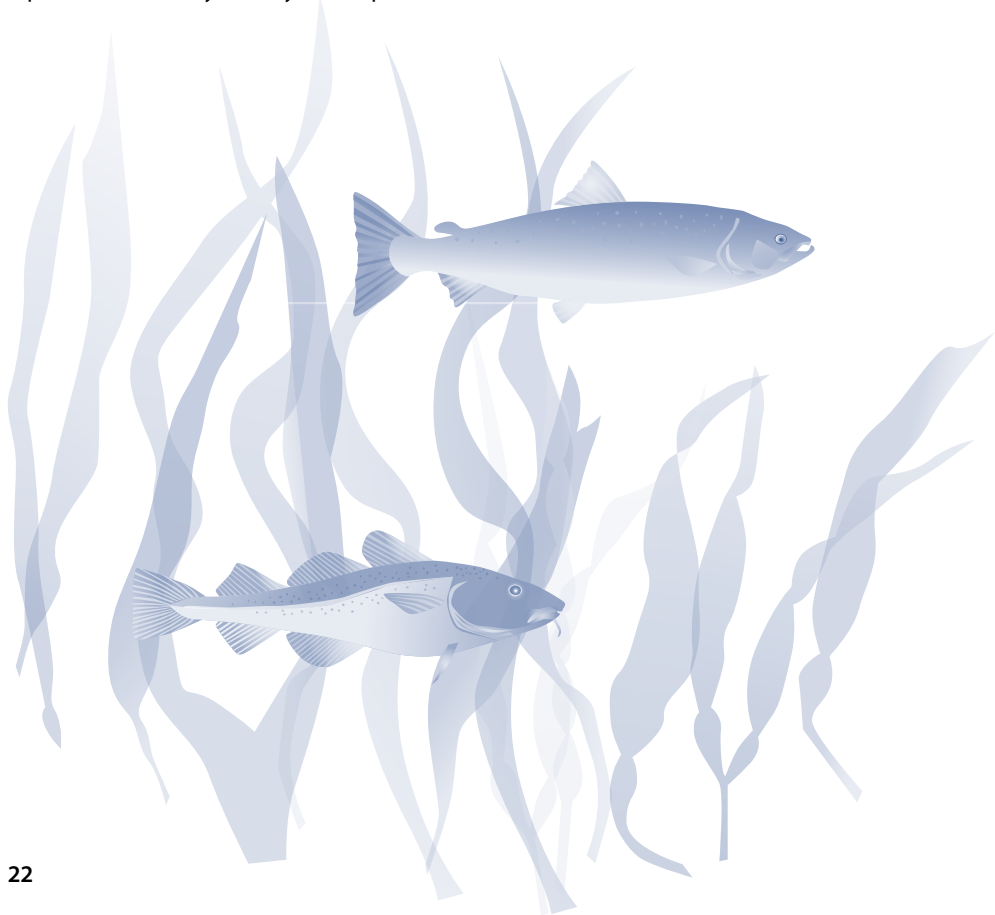
Source: The Directorate of Fisheries

Aquaculture

The Norwegian aquaculture industry is a modern, internationally competitive industry that produces high quality food in an efficient manner. In terms of value, aquaculture products account for almost half of the total Norwegian seafood export.

Atlantic salmon and rainbow trout are the dominating species in the aquaculture industry, however, extensive development is taking place with a view toward farming several new species, such as cod, halibut, wolf fish and shellfish.

A licence from the authorities is required to farm fish and shellfish in Norway. Environmental considerations and efforts related to fish health and welfare are given high priority in the industry and public administration, and will be an important condition for the aquaculture industry's ability to compete.

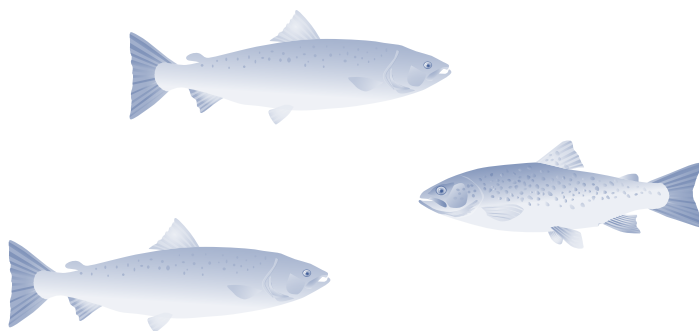


Number of licences for atlantic salmon, rainbow trout and trout 1995 og 2010

by county

	1995				2010			
	Smolt	Farmed fish	Brood stock	R&D	Smolt	Farmed fish	Brood stock	R&D
County	Number	Number	Number	Number	Number	Number	Number	Number
Finnmark	3	33	1	1	4	90	0	1
Troms	22	65	1	1	11	94	1	3
Nordland	34	131	2	6	31	160	4	6
Nord-Trøndelag	18	55	1	2	16	70	1	3
Sør-Trøndelag	26	76	2	2	21	93	5	4
Møre og Romsdal	51	95	14	4	35	110	6	4
Sogn og Fjordane	39	71	2	1	23	89	2	0
Hordaland	80	135	9	6	60	157	4	6
Rogaland	29	52	4	2	21	61	5	10
Vest-Agder	6	12	0	0	3	16	0	0
Aust-Agder	2	6	0	0	1	2	1	0
Other counties	34	76	5	3	23	49	4	3
Total	344	807	41	28	249	991	33	40

Source: The Directorate of Fisheries per 27.01.2011

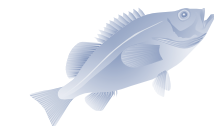


Number of licences* for other species 1995 og 2010 *by county*

County	1995	2010
Finnmark	39	33
Troms	24	21
Nordland	71	179
Nord-Trøndelag	15	16
Sør-Trøndelag	27	16
Møre og Romsdal	41	76
Sogn og Fjordane	23	54
Hordaland	92	62
Rogaland	30	39
Vest-Agder	8	3
Aust-Agder	2	7
Other counties	12	7
Total	384	513

* Other species but atlantic salmon and rainbow trout

Source: The Directorate of Fisheries per May 7th 2010



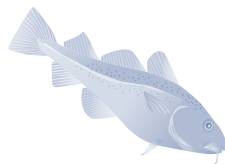
Number of licences for other species* 1995 og 2010 *species*

Species	1995	2010
Haddock	–	18
Hake	39	91
Halibut	8	
Marine*	75	–
Turbot	3	35
Char	45	41
Wolffish	–	52
Cod	200	418
Eel	14	16
Other	8	299
Total	384	978

Source: The Directorate of Fisheries per 27.01.2011

Some licences comprehend several species. In the table above some licences are counted several times. The total number of licences in the table above are therefore higher than total number presented in table specified on counties.

* Licences that include several species



Number of licences for shellfish 1995 og 2010

by county

County	1995	2010
Finnmark	3	6
Troms	6	10
Nordland	45	66
Nord-Trøndelag	22	38
Sør-Trøndelag	30	24
Møre og Romsdal	36	22
Sogn og Fjordane	8	46
Hordaland	26	81
Rogaland	19	27
Vest-Agder	1	9
Aust-Agder	4	24
Other counties	13	24
Totalt	213	377

Source: The Directorate of Fisheries per 27.01.2011

Number of licences for shellfish 2004–2010

species

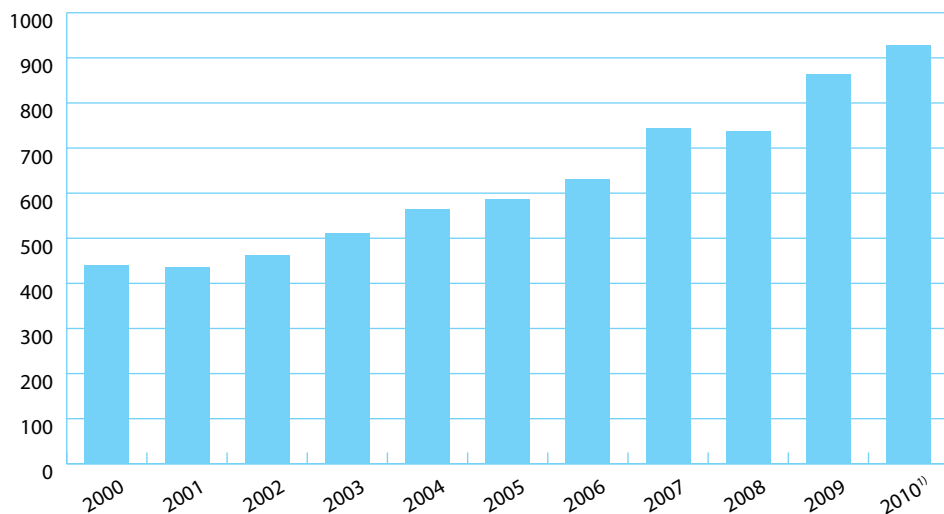
Species	2004	2005	2006	2007	2008	2009 ¹⁾	2010
Mussel	728	668	580	531	417	351	283
Lobster	15	18	22	22	27	29	25
Scallop	123	114	104	97	98	90	78
Sea porcupine	36	26	23	21	16	26	7
Oyster	130	130	117	108	117	116	95
Other	116	109	98	99	132	117	134
Total	1 148	1 065	944	878	807	729	622

Some licences comprehend several species. In the table above some licences are counted several times. The total number of licences in the table above are therefore higher than total number presented in table specified on counties.

Source: The Directorate of Fisheries per 27.01.2011

Sales turnover of Norwegian farmed atlantic salmon 2000–2010

live weight 1000 tonnes



Source: Statistics Norway, The Directorate of Fisheries

1) The figures for 2010 are preliminary per june 2011



Norway's main export markets for farmed atlantic salmon 2010

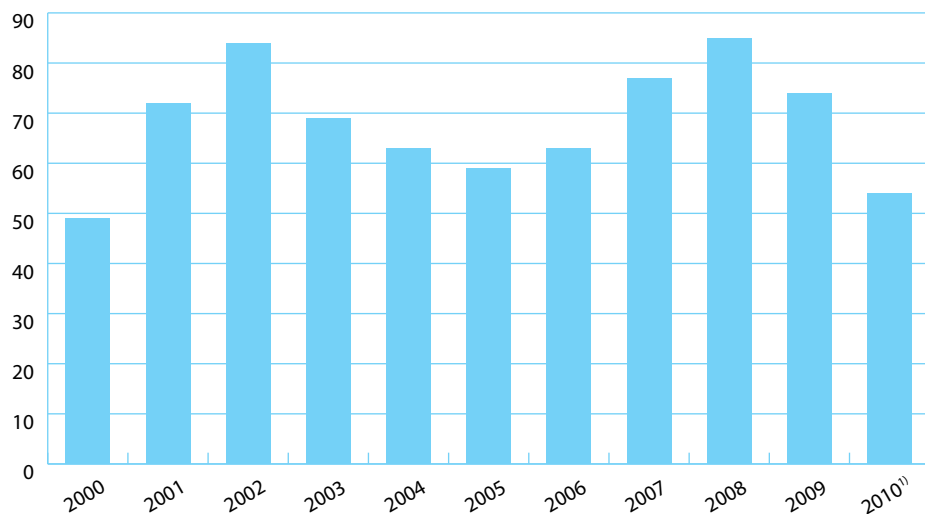
1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
France	4 596 808	116 085	The Netherlands	1 097 827	29 253
Poland	3 519 254	95 077	Finland	860 290	23 347
The Russian Federation	3 030 856	84 790	Italy	830 393	19 951
Denmark	2 423 585	64 752	Hong Kong	730 610	17 385
USA	2 209 462	35 655	Lithuania	669 055	18 544
Spain	1 403 907	37 737	Belgia	497 298	12 407
Germany	1 384 332	30 388	Ukraine	353 583	13 551
Sweden	1 345 279	29 575	Israel	334 138	7 476
Great Britain	1 338 093	35 326	Belgia	318 526	7 317
Japan	1 113 904	24 114	Taiwan	314 725	7 845

Source: Statistics Norway, the Norwegian Seafood Export Council

Sales turnover of Norwegian farmed rainbow trout 2000–2010

1000 tonnes



Source: Statistics Norway, the Norwegian Seafood Export Council

1) The figures for 2009 are preliminary per June 2011



Norwegian export of farmed atlantic salmon 2000–2010

1000 NOK, tonnes

Year	Value	Quantity
2000	12 269 775	343 031
2001	10 003 588	338 594
2002	9 538 050	360 618
2003	10 043 353	414 412
2004	11 200 585	441 193
2005	13 570 073	476 470
2006	17 083 827	496 934
2007	17 434 334	606 666
2008	17 901 562	618 056
2009	23 657 011	711 105
2010	31 325 871	783 718

Source: Statistics Norway, the Norwegian Seafood Export Council

Norwegian exports of farmed rainbow trout 2000–2010

1000 NOK, tonnes

Year	Value	Quantity
2000	973 441	27 568
2001	1 092 963	45 224
2002	1 361 981	62 076
2003	1 260 056	53 389
2004	1 199 633	47 050
2005	1 245 568	43 424
2006	1 314 918	38 304
2007	1 255 237	48 866
2008	1 821 128	73 722
2009	1 934 934	61 123
2010	1 608 933	39 867

Source: Statistics Norway, the Norwegian Seafood Export Council

Norway's main export markets for farmed rainbow trout 2010

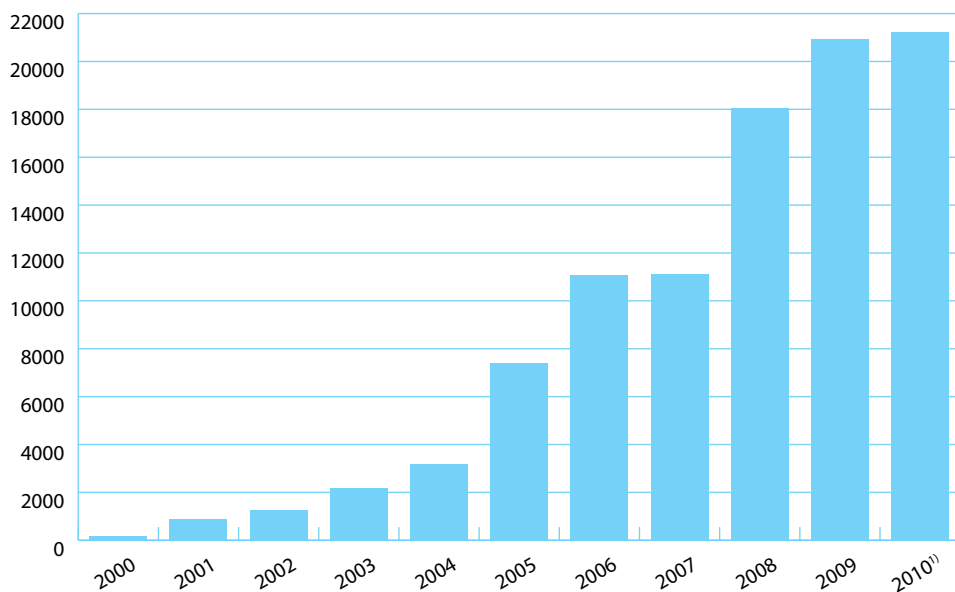
1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
The Russian Federation	850 633	21 194	Denmark	19 326	550
China	141 080	3 789	Sweden	15 926	320
Japan	124 164	2 984	Germany	14 635	320
Belarus	91 853	2 139	Estonia	13 258	359
Ukraine	66 099	1 606	Switzerland	11 233	232
Thailand	55 153	1 304	Singapore	10 799	250
Taiwan	36 727	835	Great Britain	9 795	230
Poland	23 416	570	Kazakhstan	9 008	231
France	20 618	606	Malaysia	8 389	185
Hong Kong	20 027	496	Belgium	7 747	141

Source: Statistics Norway, the Norwegian Seafood Export Council

Sales turnover of Norwegian farmed cod 2000–2010

1000 tonnes



Source: Statistics Norway, The Directorate of Fisheries

1) The figures are preliminary per June 2011

Norwegian exports of farmed cod 2003–2010 *1000 NOK, tonnes*

Year	Value	Quantity
2003	21 755	604
2004	31 299	865
2005	89 655	2 543
2006	137 256	3 684
2007	165 243	4 056
2008	218 283	6 189
2009	275 533	9 478
2010	295 072	11 023

Source: Statistics Norway, the Norwegian Seafood Export Council

Norway's main export markets for farmed cod 2010 *1000 NOK, tonnes*

Country	Value	Quantity
Sweden	72 864	3 105
France	72 068	2 209
Denmark	64 519	2 456
Germany	30 095	1 264
Spain	21 581	898
Belgium	13 026	353
The Netherlands	9 685	385
Poland	3 656	155
Italy	1 858	46
United Arab Emirates	1 504	34
Israel	962	30
Great Britain	454	10
Portugal	421	12
China	401	9
Total	295 072	11 023

Source: Statistics Norway, the Norwegian Seafood Export Council

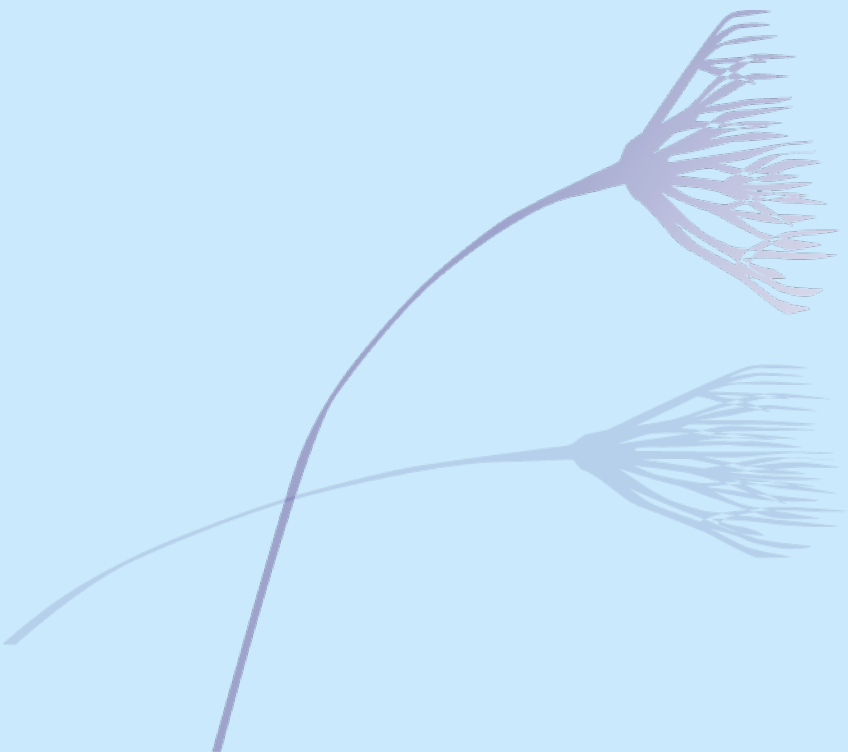
Research and innovation

Norway is a leader internationally in management-related research. This research provides an important basis for setting quotas for the various types of fish and for questions related to food safety and nutrition.

Industry-related research in the fishing and aquaculture sector is also conducted at a high, international level. Increasingly more knowledge and expertise is required in the marine sector. Increased knowledge and expertise contribute to improved competitive abilities and new employment in existing and new industries. There are many opportunities linked to the better use of by-products, biotechnology and marine resources that have not yet been made use of.

The Norwegian focus on marine industry development through research and education is long-term. More than a billion Norwegian kroner are allocated each year from the Norwegian national budget to marine research. The objective of the new marine research and innovation programme is to ensure that Norwegian companies, to an even greater extent, will be able to offer the kind of seafood the markets demand.





Research vessels of the Institute of Marine Research 2010

Vessels	Cruisedays
«G.O. Sars»	272
«Johan Hjort»	255
«G.M. Dannevig»	192
«Håkon Mosby»	234
«Dr. Fridtjof Nansen»	304
«Hans Brattström»	214
«Fangst»	180
«Jan Mayen»	72
Other vessels	368
Total	2 091



Source: Institute of Marine Research

Research and development expenses and funding sources in the marine sector 2009.

mill NOK and Percentage

Field of funding	Universities and colleges	Institutes	Industry and commerce*	Total	Percentage
Governmental funding	456	1 282	50	1 788	63
Private funding	48	396	616	1 060	37
Total	504	1 677	666	2 848	100

* Because of a low percentage of feedback the basis of figures may be somewhat underestimated

Source: NIFU Step

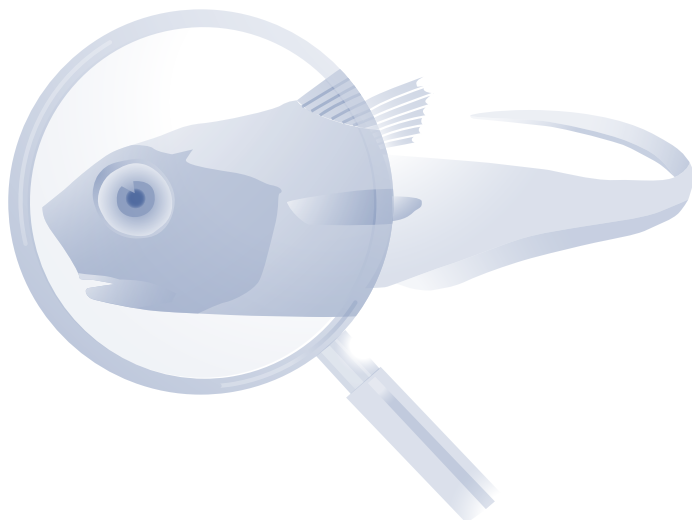


Research and development expenses and research area in marine sector 2009

mill NOK and percentage

Marine research and development area	UoH	Institutes	Commerce	Total	%
Basic marine biology	96	188	17	301	11
Marine biodiversity	42	179	12	232	8
Oceanography, climate research, ecology, environmental toxicology, environmental poisons and eutrophication	91	319	7	417	15
Technology for surveillance and estimates of stocks for marine resources	14	119	1	134	5
Mathematical and numeric models for marine research	41	135	0	176	6
Bio economics and bio economical models	5	2	0	7	0
Aquaculture, combination of catches and fish-farming	68	427	363	858	30
Marine and maritime technology, fisheries, aquaculture and integrated transport solutions	13	73	49	135	5
Marine biotechnology	84	45	96	225	8
Food processing industry based on marine resources (processing, technics, hygienics, logistics, quality control and nutrition)	15	98	111	224	8
Market, organisation, framework conditions, society, politics and coastal management	35	93	11	139	5
Total	504	1 677	666	2 848	100

Source: NIFU



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