

Facts about Fisheries and Aquaculture 2010



NORWEGIAN MINISTRY OF
FISHERIES AND COASTAL AFFAIRS



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Norwegian seafood production – consumption and exports

The Norwegian fishing and aquaculture industry currently supplies seafood to consumers in more than 150 countries worldwide. This is healthy food, produced in a clean 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 2006-2009

per person, kilos

	2006	2007	2008	2009*
Purchased	17,9	17,5	17,1	17,2
Caught by consumer	1,0	1,1	1,2	1,1
Institutional household **	3,7	4,2	4,3	4,4
Total consumption	22,9	23,0	22,8	23,0

* The figures are preliminary

*GfK-Norge/Sissel Flesland Markedsinformasjoner AS
the Norwegian Seafood Export Council*

** Hotels, restaurants etc.

Norwegian consumption of seafood purchased 2003-2009

per person, kilos

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

GfK-Norge/the Norwegian Seafood Export Council

Seafood production 2008

tonnes

	Catches	Fish-farming	Total
Worldwide	89 755 091	52 567 784	142 322 875
Norway	2 430 842	843 730	3 274 572

FAO, the Norwegian Seafood Export Council

Seafood exports 2007

tonnes, 1000 USD

	Quantity	Value
Worldwide	31 417 640	93 404 175
Norway	2 163 966	6 286 852

Exclusive of aquatic plants

FAO, the Norwegian Seafood Export Council

Largest seafood production nations – catches and fish-farming 2007

mill tonnes

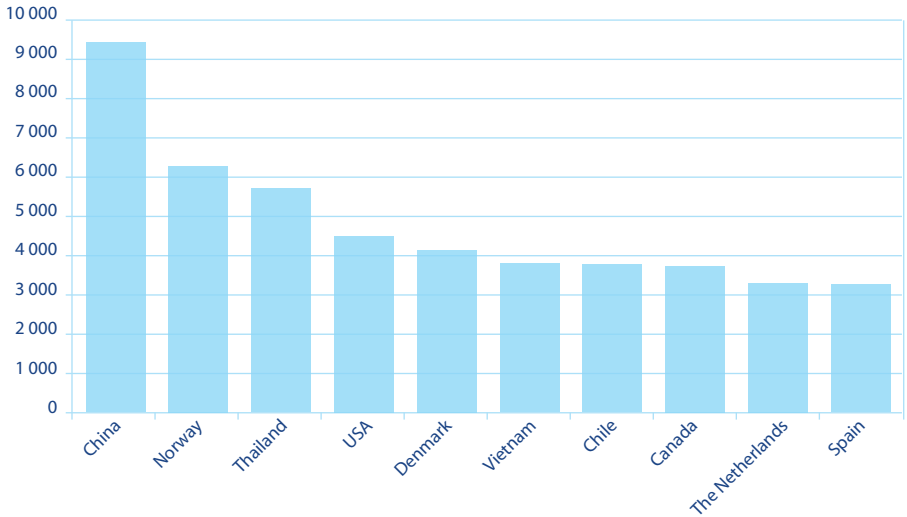
Country	Quantity
China	46,1
India	7,3
Peru	7,3
Indonesia	6,3
USA	5,3
Japan	5,0
Chile	4,6
Vietnam	4,3
Thailand	3,9
The Russian Federation	3,6
Philippines	3,2
Norway	3,2
Myanmar (Burma)	2,8
South Korea	2,5
Bangladesh	2,4
Malaysia	1,6
Mexico	1,5
Taiwan (Republikken China)	1,5
Iceland	1,4
Canada	1,2

Exclusive of aquatic plants

FAO, the Norwegian Seafood Export Council

Largest seafood export nations 2007

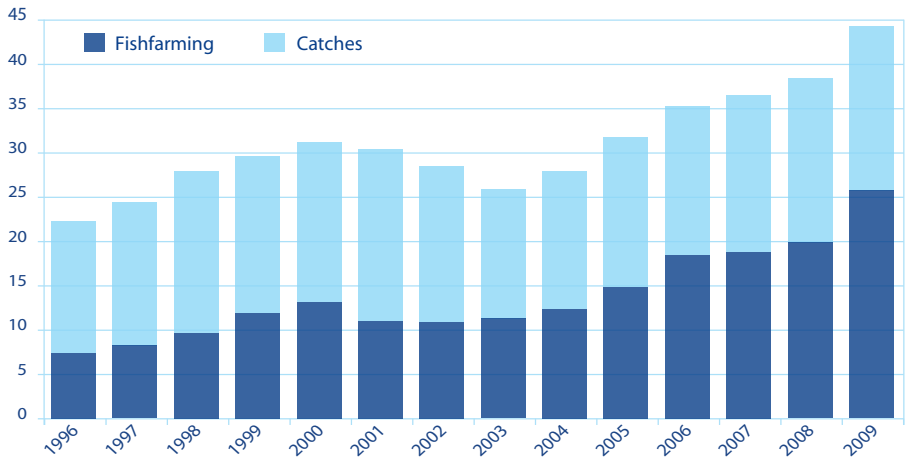
mill USD



FAO, the Norwegian Seafood Export Council

Norwegian seafood exports 1996-2009

1000 mill NOK



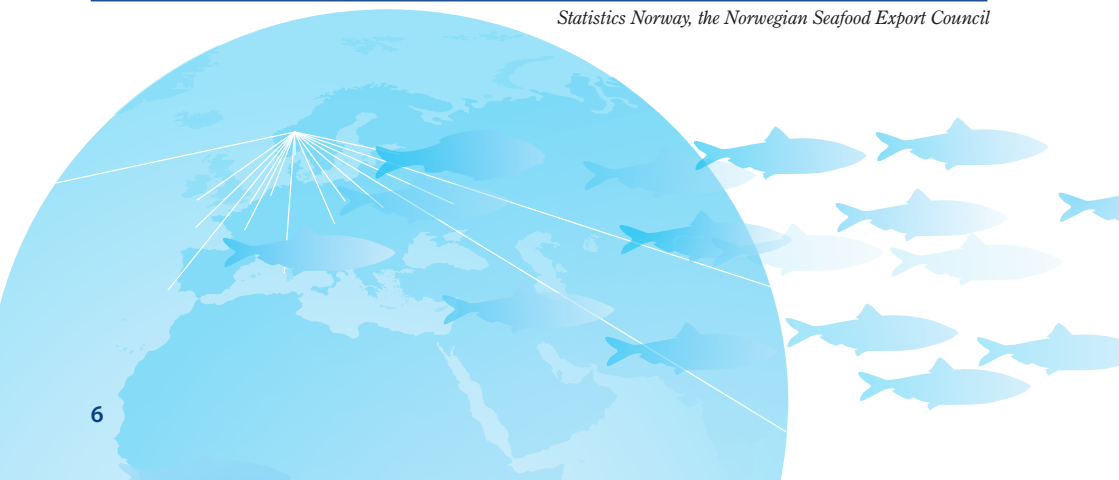
Statistics Norway, the Norwegian Seafood Export Council

Main exportmarkets for Norwegian seafood 2009

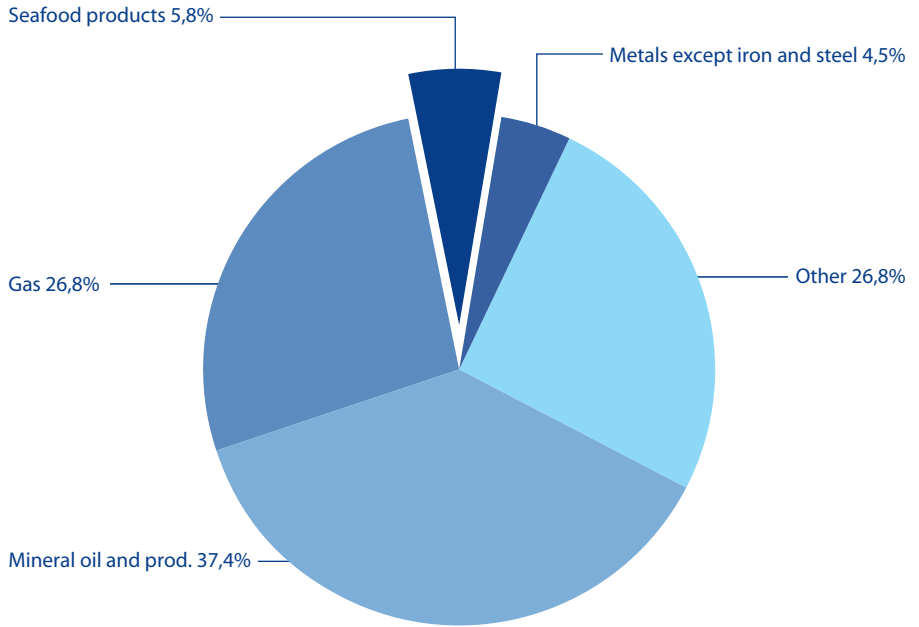
1000 NOK, tonnes

Country	Value	Quantity
France	4 693 605	141 843
The Russian Federation	4 558 753	391 381
Denmark	3 201 691	212 632
Poland	3 122 440	152 164
Great Britain	2 382 723	118 932
Japan	2 070 071	111 027
Sweden	2 025 689	67 918
Germany	1 849 442	94 141
USA	1 801 896	44 044
The Netherlands	1 714 089	94 725
China	1 639 467	130 935
Portugal	1 619 114	41 946
Spain	1 570 595	49 608
Italy	1 364 544	31 233
Ukraine	1 304 313	196 073
Brazil	1 009 491	30 328
Finland	891 948	42 829
Nigeria	743 559	150 197
Lithuania	614 853	58 132
Hong Kong	479 655	14 578
Turkey	392 427	41 530

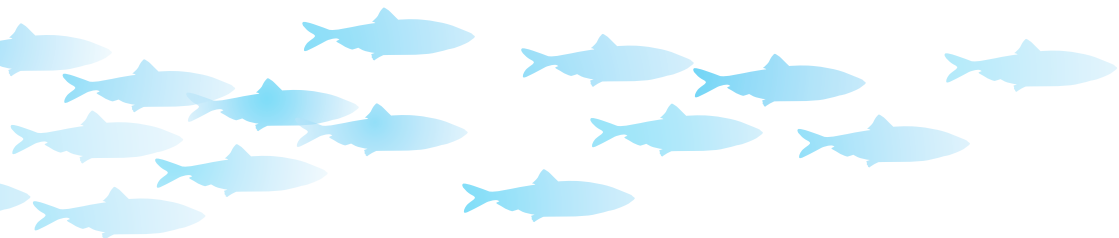
Statistics Norway, the Norwegian Seafood Export Council



Fisheries and aquaculture's share of Norwegian exports 2009



Statistics Norway, the Norwegian Seafood Export Council

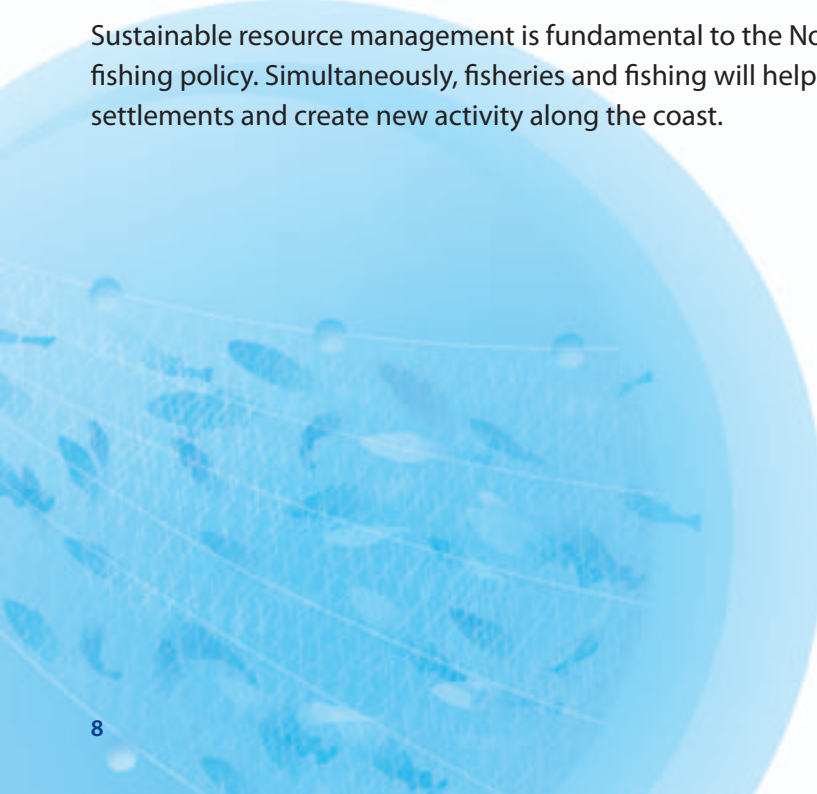


Fisheries and catches

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.



Number of fishermen 1950-2009

Year	Sole or main occupation	Secondary occupation	Total
1950	68 149	30 175	98 324
1960	49 720	20 655	70 375
1970	31 884	11 134	43 018
1980	25 140	9 649	34 789
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	10 200	2 530	12 730

The Directorate of Fisheries per February 12th 2010

Fishing vessels operated all-year-round 2009

by county, length

County	0-11 m	11-14,9 m	15-20,9 m	2-27,9 m	28 m and over	Total
Finnmark	604	103	20	21	16	764
Troms	684	109	29	20	18	860
Nordland	1 010	236	99	57	30	1 432
Nord- og Sør-Trøndelag	344	57	6	6	3	416
Møre og Romsdal	410	77	11	21	74	593
Sogn og Fjordane	172	20	8	17	24	241
Hordaland	267	25	10	11	46	359
Rogaland	210	33	8	13	14	278
Other counties	377	65	15	15	2	474
Total	4 078	725	206	181	227	5 417

The Directorate of Fisheries

Number of fishermen 2009

by county

County	Sum	Sole or main occupation	Secondary occupation
Finnmark	1 264	981	283
Troms	1 987	1 453	534
Nordland	3 021	2 509	512
Nord-Trøndelag	319	236	83
Sør-Trøndelag	528	412	116
Møre og Romsdal	2 556	2 217	339
Sogn og Fjordane	743	588	155
Hordaland	918	808	110
Rogaland	532	381	151
Vest-Agder	308	206	102
Aust-Agder	113	74	39
Telemark	73	50	23
Vestfold	96	69	27
Buskerud	20	17	3
Oppland	14	12	2
Hedmark	18	18	
Akershus	26	21	5
Oslo	43	39	4
Østfold	151	109	42
Totalt	12 730	10 200	2 530

The Directorate of Fisheries

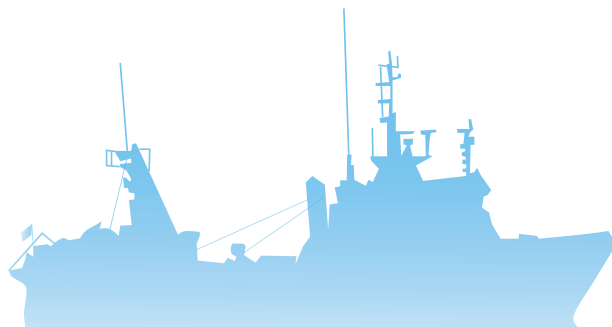


Registered vessels 2003-2009

by county

County	2003	2004	2005	2006	2007	2008	2009
Finmark	1 368	1 156	1 106	1 048	1 015	971	925
Troms	1 706	1 391	1 301	1 239	1 199	1 158	1 095
Nordland	2 529	2 128	2 011	1 884	1 792	1 702	1 631
Nord-Trøndelag	324	216	199	198	196	192	191
Sør-Trøndelag	348	298	293	307	307	312	304
Møre og Romsdal	1 127	949	883	812	769	731	708
Sogn og Fjordane	506	401	363	335	315	307	286
Hordaland	675	543	526	503	493	463	450
Rogaland	492	426	398	375	352	342	339
Vest-Agder	343	274	251	236	241	250	239
Aust-Agder	141	118	110	103	102	100	97
Telemark	86	75	75	62	60	60	58
Vestfold	91	69	64	59	60	65	61
Buskerud	8	4	5	5	4	5	5
Oppland	-	-	-	1	-	-	-
Hedmark	-	-	-	1	-	-	-
Akershus	21	16	13	12	12	13	13
Oslo	9	5	3	2	6	6	5
Østfold	141	120	121	118	115	108	103
Total	9 915	8 189	7 722	7 300	7 038	6 785	6 510

The Directorate of Fisheries





Catches landed by Norwegian fishing vessels 2006-2009

live weight tonnes

Species	2006	2007	2008	2009
Herring	710 591	884 593	1 027 873	1 070 438
Sardines	11 470	12 933	4 453	11 469
Mackerel	122 011	131 698	121 496	121 229
Capelin	2 047	41 098	40 907	232 569
Kolmule	642 452	539 589	418 289	225 996
Sandeel	20 151	55 856	88 203	64 711
Horse mackerel	27 224	5 425	12 244	72 619
Cod	221 299	217 789	215 444	242 679
Saithe	256 856	225 464	227 295	202 365
Haddock	71 412	73 286	74 299	106 464
Tusk	14 347	15 293	16 197	13 756
Ling	17 195	19 049	19 886	17 108
Redfish	17 345	13 722	8 117	8 296
Greenland halibut	13 336	10 163	9 017	10 182
Shrimp	38 709	37 401	30 741	27 312
Mussels	808	876	918	775
Seaweed and seatangle	153 906	145 429	*	*
Other	68 530	109 299	121 365	100 393
Total	2 409 689	2 538 963	2 436 744	2 528 361

Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per May 26th 2009.

The Directorate of Fisheries

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

Catches landed by Norwegian fishing vessels 2006-2009

1000 NOK

Species	2006	2007	2008	2009
Herring	2 245 883	2 245 883	2 805 632	2 661 289
Sprat	22 014	30 942	18 522	31 955
Mackerel	975 894	979 479	1 290 264	960 129
Capelin	4 050	95 091	98 599	378 513
Blue whiting	773 253	847 982	423 999	316 242
Sandeel	27 091	85 396	101 874	91 836
Horsemackerel	115 341	19 006	101 754	279 090
Cod	3 305 251	3 693 230	3 533 105	2 814 613
Saithe	1 395 019	1 264 863	1 266 539	1 207 136
Haddock	775 560	840 534	647 339	828 776
Tusk	122 280	130 399	128 873	96 946
Ling	229 597	245 860	239 273	174 787
Redfish	165 213	100 230	66 477	62 000
Greenland halibut	282 249	177 496	182 243	200 662
Shrimp	617 240	663 698	588 037	528 918
Mussels	16 655	18 100	19 137	16 241
Seaweed and kelp	28 507	26 678	*	*
Other	608 387	612 434	646 669	600 158
Total	11 709 484	12 077 301	12 158 336	11 249 291

Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per May 26th 2009.

The Directorate of Fisheries

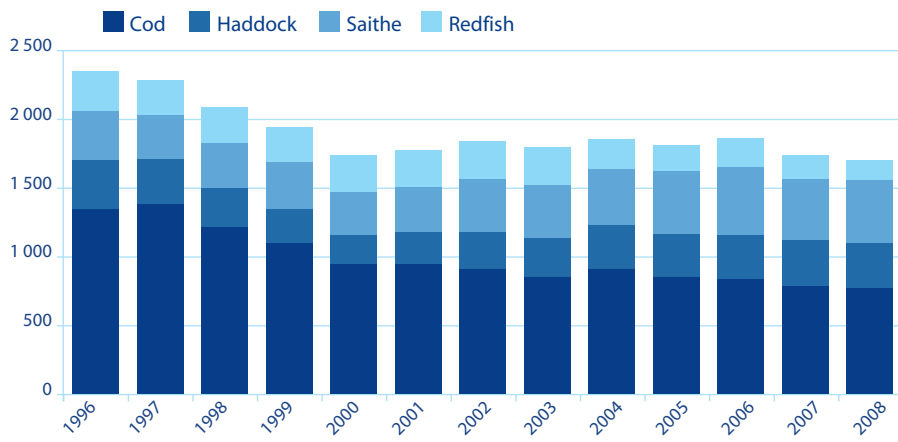
* Because of few units, this number will not be presented statistically.



Whitefish

Catches of whitefish in the North Atlantic 1996-2008

1000 tonnes



FAO, The Directorate of Fisheries

Norwegian exports of whitefish 2009

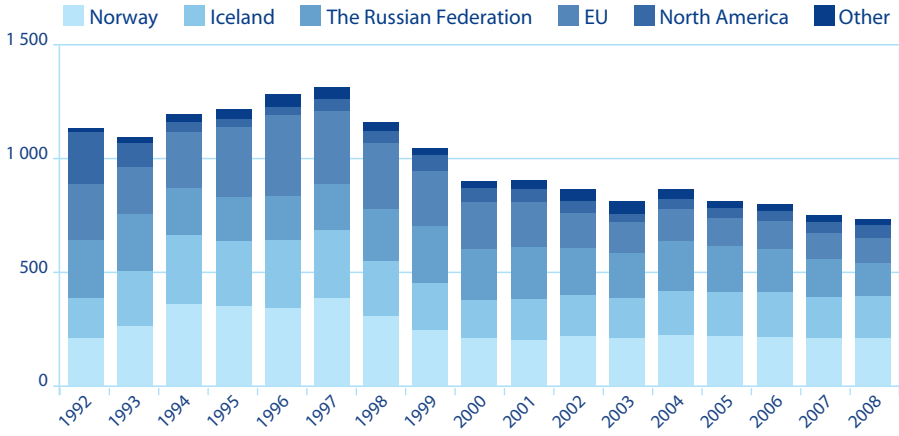
1000 NOK, tonnes

Species	Value	Quantity
Cod	5 019 572	135 866
Saithe	1 937 868	107 725
Haddock	1 066 024	67 710
Greenland halibut	240 971	8 257
Ling	294 916	7 904
Uer	94 674	6 278
Redfish	162 499	4 990
Other	439 804	13 075
Total	9 256 330	351 804

Statistics Norway, the Norwegian Seafood Export Council

Catches of cod in the North-Atlantic 1992-2008

1000 NOK



FAO, the Norwegian Seafood Export Council

Norway's main exportmarkets for cod 2009

1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
Portugal	1 393 959	34 988	Germany	78 867	1 939
Italy	536 040	6 887	USA	78 565	1 672
France	521 324	10 299	Nigeria	77 036	2 161
Denmark	520 498	17 150	Poland	60 326	3 995
Brazil	400 721	7 177	Greece	58 911	1 849
Great Britain	315 310	10 868	Switzerland	46 202	847
Spain	223 859	7 114	Lithuania	28 007	1 746
The Netherlands	186 793	6 664	Belgium	25 721	619
China	179 835	11 692	Croatia	20 661	185
Sweden	162 180	5 138	Canada	16 451	644

Statistics Norway, the Norwegian Seafood Export Council

Pelagic fish

Norwegian exports of pelagic fish for consumption 2009

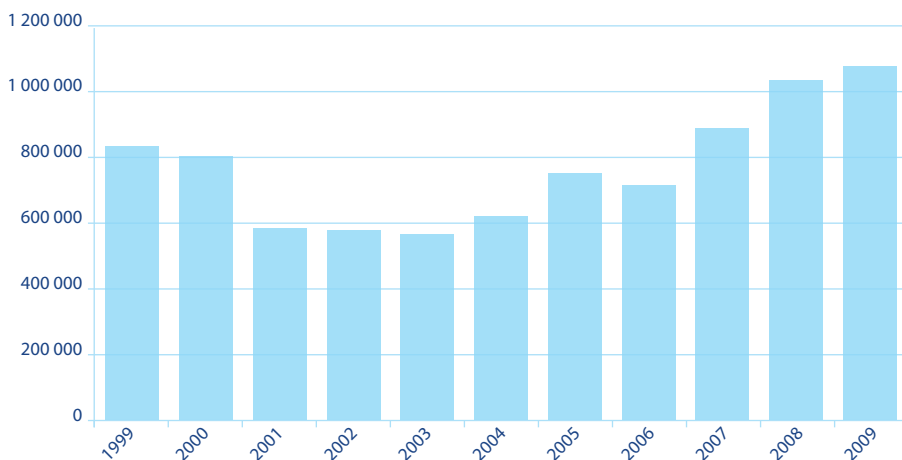
1000 NOK, tonnes

Species	Value	Quantity
Herring	4 035 034	763 892
Mackerel	2 189 702	198 958
Capelin	571 188	132 557
Horse mackerel	345 716	64 835
Kolmule	67 660	19 743
Tuna	954	122
Anchovy	67	–
Other pelagic fish	23 618	3 085
Total	7 233 939	1 183 193

Statistics Norway, the Norwegian Seafood Export Council

Norwegian catches of herring 1999-2009

live weight tonnes



Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per May 26th 2009.

The Directorate of Fisheries

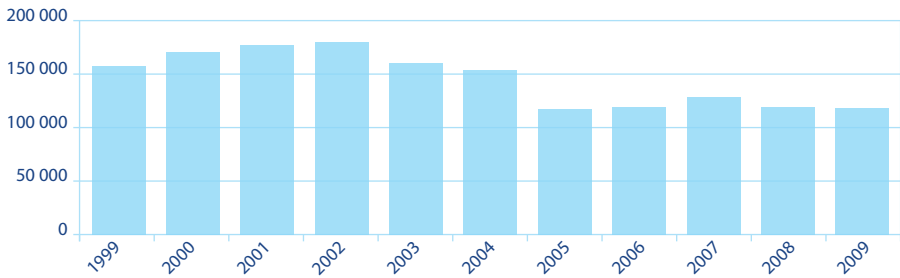
Norway's main export markets for herring 2009

1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
The Russian Federation	1 024 775	200 339	Kazakhstan	71 057	17 298
Ukraine	615 271	120 927	France	53 593	6 358
Nigeria	422 174	119 523	Egypt	52 046	13 639
Germany	391 545	51 787	Great Britain	44 769	12 173
Poland	268 332	36 326	Finland	38 791	3 274
The Netherlands	238 915	25 165	Japan	32 190	4 354
Denmark	214 328	51 890	Latvia	24 911	5 820
Lithuania	170 021	33 845	Israel	21 710	2 923
Belarus	137 437	23 555	Moldova	14 670	3 341
Sweden	96 435	9 635	Ireland	124 24	5 800

Statistics Norway, the Norwegian Seafood Export Council

Catches of mackerel by Norwegian fishing vessels 1999-2009 *live weight tonnes*



Statistics are compiled on information from landings and contract notes sent from Fishermen's Sales Organisations to the Directorate of Fisheries per May 26th 2009.

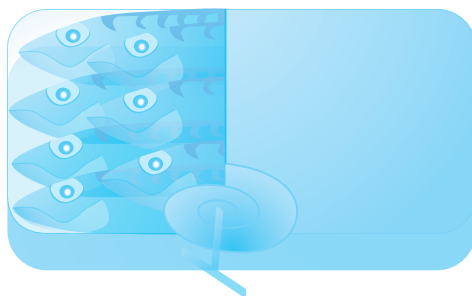
The Directorate of Fisheries

Norway's main export markets for mackerel 2009

1000 NOK, tonnes

Country	Value	Quantity
Japan	606 649	51 676
China	350 751	33 511
The Russian Federation	244 205	19 998
Ukraine	143 636	13 089
Turkey	140 929	17 984
South Korea	112 662	8 126
Poland	105 330	12 449
The Netherlands	56 536	5 244
Sweden	52 339	2 210
Storbritannia	51 061	5 820
USA	33 871	1 842
Taiwan	32 485	2 311
Nigeria	30 714	4 255
Belarus	28 934	2 821
Litauen	26 499	2 453
Germany	21 456	1 498
Romania	20 646	2 978
Thailand	17 748	1 466
Kasakhstan	15 653	1 317
Israel	13 888	1 021

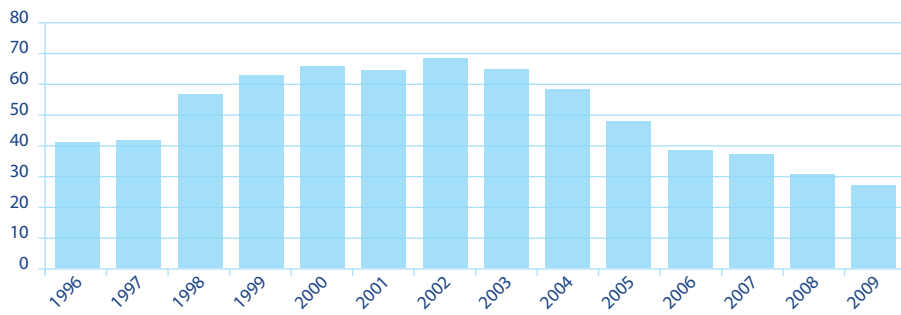
Statistics Norway, the Norwegian Seafood Export Council



Shrimp

Catches of shrimp by Norwegian fishing vessels 1996-2009

live weight tonnes



Statistikken er basert på landings- og sluttseiddedata innsendt fra fiskesalgslagene til The Directorate of Fisheries per 23.03.10.

The Directorate of Fisheries

Norway's main export markets for shrimp 2009

1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
Sweden	217 669	4 669	Singapore	2 275	57
Storbritannia	101 290	2 495	Germany	1 876	35
Finland	76 415	1 550	Turkey	1 817	36
Iceland	42 649	3 234	China	1 402	65
Denmark	17 628	492	Japan	1 236	35
France	13 223	228	Poland	876	18
Italy	6 578	83	Ukraine	734	19
Switzerland	4 030	78	Estland	716	21
Spain	3 708	72	Saudi-Arabia	429	8
South Korea	2 443	52	Thailand	399	16

Statistics Norway, the Norwegian Seafood Export Council



Marine mammals

Norwegian sealing 1980-2009

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	–
2009	402*	8 035	–

* Scientific catch

The Directorate of Fisheries

Norwegian coastal seal hunt 2002-2009

Year	Harbour seal	Gray seal
2002	498	110
2003	457	353
2004	549	302
2005	614	379
2006	538	272
2007	905	456
2008	900	392
2009	585	516

The Directorate of Fisheries

Norwegian minke whaling 1999-2009

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	22	483

The Directorate of Fisheries

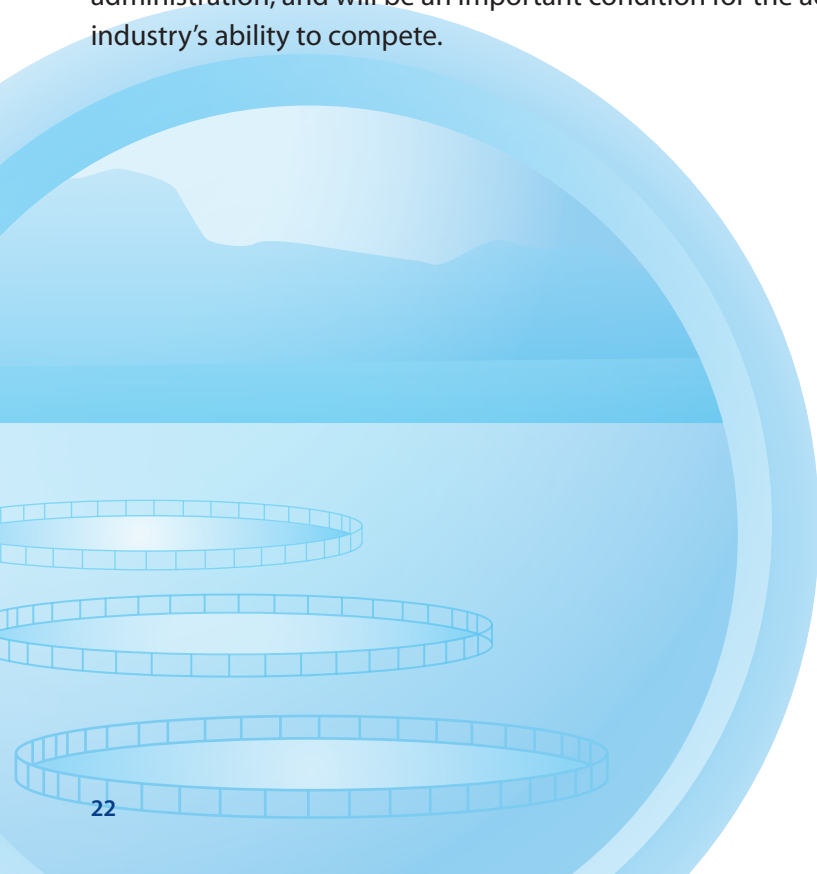


Aquaculture

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 fish 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 and 2009

by county

County	1995				2009			
	Smolt	Farmed fish	Brood stock	FoU	Smolt	Farmed fish	Brood stock	FoU
Finnmark	3	33	1	1	4	90	1	2
Troms	22	65	1	1	11	93	2	3
Nordland	34	131	2	6	33	156	5	6
Nord-Trøndelag	18	55	1	2	17	71	1	3
Sør-Trøndelag	26	76	2	2	22	94	2	4
Møre og Romsdal	51	95	14	4	34	108	6	5
Sogn og Fjordane	39	71	2	1	23	90	1	-
Hordaland	80	135	9	6	60	154	5	6
Rogaland	29	52	4	2	21	61	2	11
Vest-Agder	6	12	-	-	3	16	-	-
Aust-Agder	2	6	-	-	1	2	1	-
Other counties	34	76	5	3	27	53	4	3
Total	344	807	41	28	256	988	30	43

The Directorate of Fisheries per May 7th 2010

Number of licences for other species* 1995 and 2009

by county

County	1995	2009
Finnmark	39	35
Troms	24	21
Nordland	71	201
Nord-Trøndelag	15	23
Sør-Trøndelag	27	16
Møre og Romsdal	41	82
Sogn og Fjordane	23	62
Hordaland	92	69
Rogaland	30	64
Vest-Agder	8	3
Aust-Agder	2	7
Other counties	12	8
Total	384	591

* Other species but atlantic salmon and rainbow trout

The Directorate of Fisheries per May 7th 2010

Number of licences* for other species 1995 and 2009

species

Species	1995	2009
Haddock	–	22
Halibut	39	101
Hake	–	9
Marine*	75	–
Turbot	3	36
Char	45	47
Wolffish	–	51
Cod	200	466
Eel	14	17
Other	8	316
Total	384	1065

In this chart licences are counted several times, and therefore give a higher total than the chart « Number of licences for other species, by county».

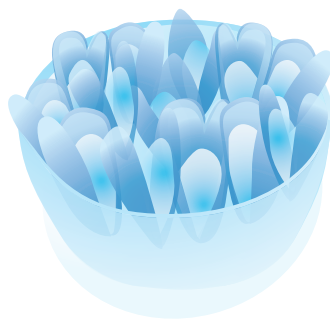
* Licences that include several species

The Directorate of Fisheries per 07.05.10

Number of licences for shellfish 1995 and 2009

by county

County	1995	2009
Finnmark	3	7
Troms	6	10
Nordland	45	100
Nord-Trøndelag	22	41
Sør-Trøndelag	30	32
Møre og Romsdal	36	26
Sogn og Fjordane	8	52
Hordaland	26	87
Rogaland	19	41
Vest-Agder	1	9
Aust-Agder	4	26
Other counties	13	25
Total	213	456



The Directorate of Fisheries per 07.05.10

Number of licences for shellfish 2004-2009

species

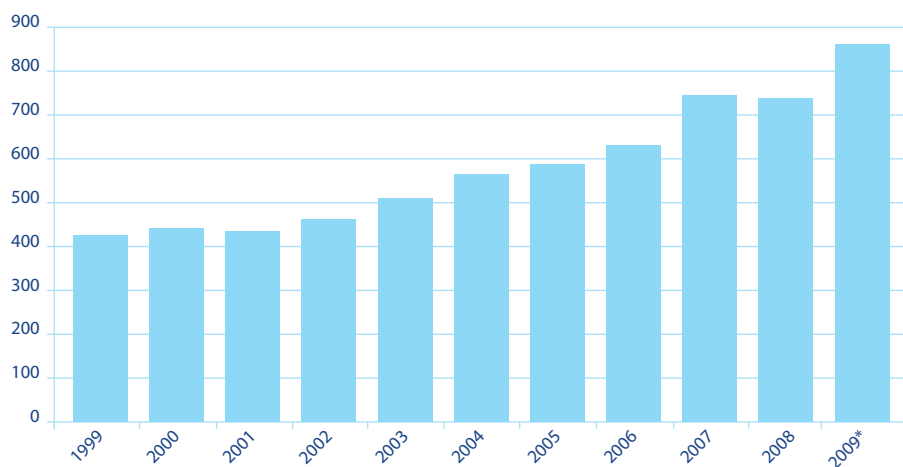
Species	2004	2005	2006	2007	2008	2009
Mussel	728	668	580	531	417	351
Lobster	15	18	22	22	27	29
Scallop	123	114	104	97	98	90
Sea porcupine	36	26	23	21	16	26
Oyster	130	130	117	108	117	116
Other	116	109	98	99	132	117
Total	1 148	1 065	944	878	807	729

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.

The Directorate of Fisheries per May 7th 2009

Sales turnover of Norwegian farmed atlantic salmon 1999-2009

live weight 1000 tonnes



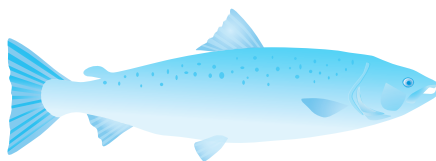
* The figures for 2009 are preliminary per June 2010

Statistics Norway, The Directorate of Fisheries

Norwegian export of farmed atlantic salmon 1999-2009

1000 NOK, tonnes

Year	Value	Quantity
1999	10 766 037	337 977
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	17 907 717	618 182
2009	23 655 808	71 1053



Statistics Norway, the Norwegian Seafood Export Council

Norway's main export markets for farmed atlantic salmon 2009

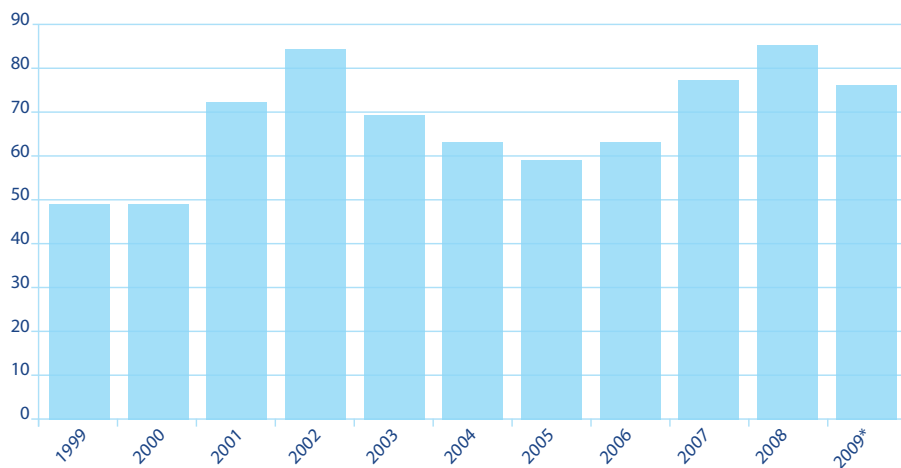
1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
France	3 849 533	113 628	The Netherlands	930 294	28 267
Poland	2 548 496	88 605	Italy	728 987	20 965
Denmark	1 828 810	60 692	Finland	683 412	22 831
The Russian Federation	1 823 349	63 107	Hong Kong	465 734	13 675
USA	1 358 558	26 594	China	314 343	9 506
Great Britain	1 287 480	40 615	Litauen	303 064	10 034
Spain	1 228 782	38 686	Belgia	256 302	7 292
Sweden	1 182 349	29 738	Ukraine	241 804	10 845
Germany	1 165 042	30 313	South Korea	240 191	6 525
Japan	964 321	24 176	Thailand	200 752	6 058

Statistics Norway, the Norwegian Seafood Export Council

Sales turnover of Norwegian farmed rainbow trout 1999-2009

1000 tonnes



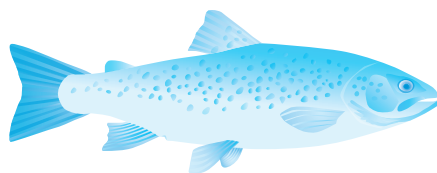
* The figures for 2009 are preliminary per June 2010

Statistics Norway, the Norwegian Seafood Export Council

Norwegian exports of farmed rainbow trout 2000-2009

1000 NOK, tonnes

Year	Value	Quantity
2000	973 449	27 568
2001	1 093 117	45 230
2002	1 362 092	62 077
2003	1 260 135	53 391
2004	1 199 648	47 051
2005	1 245 623	43 425
2006	1 314 955	38 304
2007	1 255 258	48 866
2008	1 820 922	73 710
2009	1 938 117	61 210



Statistics Norway, the Norwegian Seafood Export Council

Norway's main export markets for farmed rainbow trout 2009

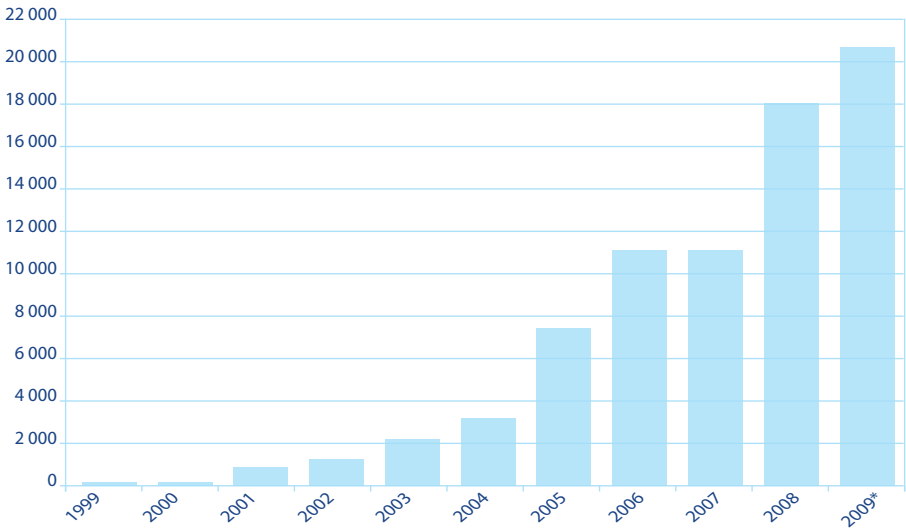
1000 NOK, tonnes

Country	Value	Quantity	Country	Value	Quantity
The Russian Federation	1 111 853	36 002	Sweden	17 414	468
Japan	167 529	4 845	Israel	15 984	599
Thailand	95 350	2 790	Latvia	13 801	433
Ukraine	85 688	2 812	France	11 559	369
Taiwan	75 110	2 258	Poland	11 364	367
Belarus	57 249	1 758	The Netherlands	10 405	332
Denmark	47 581	1 741	Germany	10 063	267
China	39 218	1 214	Vietnam	9 931	323
Finland	28 966	1 045	Turkey	9 654	286
Singapore	25 277	699	Canada	9 606	195

Statistics Norway, the Norwegian Seafood Export Council

Sales turnover of Norwegian farmed cod 1999-2009

1000 tonnes



Statistics Norway, The Directorate of Fisheries

Norwegian exports of farmed cod 2003-2009

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	218 476	6 209
2009	275 379	9 458

Statistics Norway, the Norwegian Seafood Export Council

Norway's main export markets for farmed cod 2009

1000 NOK, tonnes

Country	Value	Quantity
Denmark	84 071	2 731
France	64 271	1 569
Sweden	53 187	2 617
Germany	23 242	759
Spain	19 529	720
The Netherlands	9 790	418
Belgia	7 411	233
Italy	6 075	173
Poland	2 356	86
Great Britain	970	34
Other	5 445	150
Total	275 379	9 458



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 2008-2009

Vessel	Cruisedays total 2008	Cruisedays total 2009
«G.O. Sars»	278	280
«Johan Hjort»	253	252
«G.M. Dannevig»	180	170
«Håkon Mosby»	255	231
«Dr. Fridtjof Nansen»	319	319
«Hans Brattström»	216	210
«Fangst»	200	183
«Jan Mayen»	75	75
Other vessels	947	772
Total	2 723	2 492

Institute of Marine Research

Research and development expenses and funding sources in the marine sector 2007

mill NOK and percentage

Field of funding	Universities-and colleges	Institutes	Industry and-commerce *	Total	Percentage
Governmental funding	462	1020	28	1 510	68
Private funding	60	336	302	698	32
Total	522	1 357	330	2 208	100

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

NIFU STEP



Research and development expenses and research area in marine sector 2007

mill NOK and percentage

Marine research and development area	UoH	Institutes	Commerce	Total	%
Basic marine biology	103	92	2	196	9
Marine biodiversity	44	159	1	204	9
Oceanography, climate research, ecology, environmental toxicology, environmental poisons and eutrophication	128	240	4	372	17
Technology for surveillance and estimates of stocks for marine resources	11	78	28	117	5
Mathematical and numeric models for marine research	53	122	0	175	8
Bio economics and bio economical models	8	7	0	15	1
Aquaculture, combination of catches and fish-farming	36	366	191	593	27
Marine and maritime technology, fisheries, aquaculture and integrated transport solutions		73	17	95	4
Marine biotechnology	72	54	69	195	9
Food processing industry based on marine resources (processing, technics, hygienics, logistics, quality control and nutrition)	24	96	18	137	6
Market, organisation, framework conditions, society, politics and coastal management	38	70	2	110	5
Total	522	1 357	330	2 208	100





fisheries.no

Norway's official
site on seafood safety
and resource and
aquaculture management

The Norwegian Ministry of Fisheries
and Coastal Affairs

Visiting Address:
Grubbegata 1

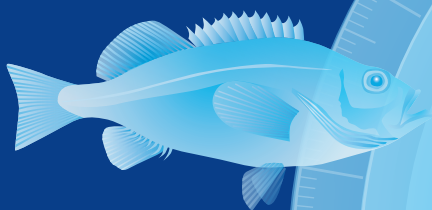
Postal Address:
P.O. Box 8118 Dep., NO-0032 Oslo

Telephone: + 47 22 24 90 90

Fax: +47 22 24 95 85

postmottak@fkd.dep.no
www.regjeringen.no/fkd

L-0542 E



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