

Aquaculture Statistics - 2007

EU Aquaculture production comprised 20.3 % of the total fisheries production

In the period 2004 to 2007 overall EU fisheries production (including aquaculture) decreased significantly, falling by more than 10 %. However aquaculture production changed relatively little in this time (-0.3%) and so the relative share of aquaculture as a proportion of total fisheries production rose from around 18% to just over 20%.

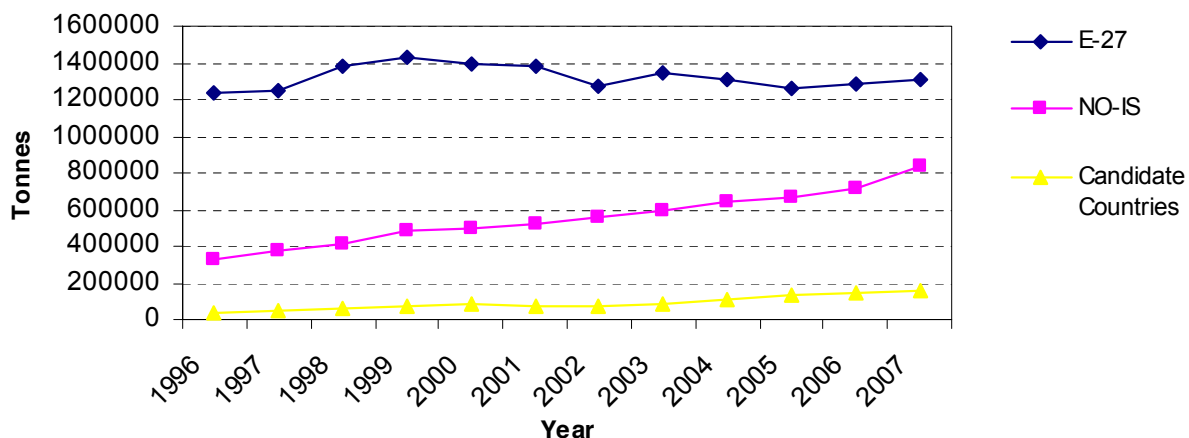
77% of the aquaculture production was in marine areas: 55 % from the Atlantic and 22 % from the Mediterranean. 48% of the

total aquaculture production was of fish and 52 % of molluscs.

For Norway and Iceland combined, aquaculture accounted for 13.1 % of the total fisheries production in 2004 and for 18.1 % in 2007. Aquaculture production from 2004 to 2007 rose by 29.3 %, however the total fisheries production for both countries combined decreased by 6.2 %.

EU-27 aquaculture production rose by 6 % from 1996 to 2007

Figure 1: Aquaculture production in EU-27, 1996-2007 (tonnes live weight)



Source: Eurostat ([taq00075](#)) and FAO

In 1996 the EU-27 production of aquaculture was 1 230 thousand tonnes; in 2007 it increased to nearly 1 306 thousand tonnes (+ 6.3 %) which could be considered as remaining relatively stable. During this period, the highest production was in 1999 with nearly 1 429 thousand tonnes

(see Figure 1 and Table 1). By comparison, the two EFTA countries combined (Iceland and Norway) increased their aquaculture production by 56 % from over 325 thousand tonnes in 1996 to over 835 thousand tonnes in 2007.

From 2004 to 2007 aquaculture production in the Candidate Countries increased by over 42 %; in the same period, the total fisheries production rose by more than 20 %. Turkey is the biggest producer with 91% of the production of the Candidate Countries; only 4 EU Member States reported a higher aquaculture production than Turkey (Spain, France, Italy and the United Kingdom).

In 2007, aquaculture contributed more than 20 % of the total fisheries production of EU-27 Member States; in 2004 it contributed just over 18.2 %, a slight increase in three years. As already mentioned, it does not correspond to an increase in aquaculture production, which remained relatively stable, but rather was due to the decrease in the total fisheries production (- 10.4%).

Table 1: Aquaculture production in 2004 and 2007 as a percentage of the total fisheries production (tonnes live weight)

	2004			2007		
	Aquaculture production	Total production	%	Aquaculture production	Total production	%
EU 27 *	1,311,246	7,189,532	18.2	1,307,587	6,443,804	20.3
Belgium	1,200	27,473	4.4	128	24,667	0.5
Bulgaria	2,489	10,741	23.2	4,431	13,307	33.3
Czech Republic	19,384	23,912	81.1	20,447	24,723	82.7
Denmark	42,814	1,133,717	3.8	31,168	684,181	4.6
Germany	57,233	319,332	17.9	44,995	293,758	15.3
Estonia	252	88,876	0.3	778	100,225	0.8
Ireland	58,359	338,609	17.2	52,504	279,650	18.8
Greece	97,143	190,222	51.1	113,188	208,266	54.3
Spain	298,855	1,065,897	28.0	284,982	1,020,908	27.9
France	260,692	914,058	28.5	237,451	795,313	29.9
Italy	117,786	397,298	29.6	180,988	467,631	38.7
Cyprus	2,425	3,737	64.9	3,200	5,425	59.0
Latvia	545	125,936	0.4	729	156,001	0.5
Lithuania	2,697	164,685	1.6	3,378	190,874	1.8
Luxembourg	-	0		-	0	
Hungary	12,744	19,986	63.8	15,922	22,946	69.4
Malta	868	1,935	44.9	8,589	9,834	87.3
Netherlands	75,725	600,234	12.6	53,371	466,613	11.4
Austria	2,267	2,667	85.0	2,539	2,889	87.9
Poland	35,258	227,238	15.5	35,867	181,346	19.8
Portugal	6,700	228,073	2.9	7,471	260,504	2.9
Romania	8,137	13,223	61.5	10,313	16,497	62.5
Slovenia	1,571	2,593	60.6	1,354	2,465	54.9
Slovakia	1,180	2,783	42.4	1,199	4,071	29.5
Finland	12,821	148,244	8.6	13,030	177,404	7.3
Sweden	5,989	275,925	2.2	5,365	243,619	2.2
United Kingdom	207,203	862,136	24.0	174,200	790,687	22.0
Candidate countries**						
Croatia	13,224	40,539	32.6	12,884	53,089	24.3
Former Yugoslav Republic of Macedonia	959	1,172	81.8	1,096	1,218	90.0
Turkey	94,010	644,932	14.6	140,021	772,471	18.1
EFTA						
Iceland	8,868	1,758,573	0.5	4,823	1,404,035	0.3
Norway	636,802	3,161,377	20.1	830,190	3,208,770	25.9

* for 2007 EU-27 includes 2006-data for Poland

** Source FAO

Source: Eurostat ([taq00075](#))

The contribution of aquaculture to the total fisheries production is high in land-locked Member States such as the Czech Republic (82.7%), Hungary (69.4%) and Austria (87.9%).

Malta also reports a high percentage (87.3%). Luxemburg has neither activity in aquaculture, or in capture fisheries.

The Member States largely confined to the Baltic Sea report small figures for the contribution of their aquaculture production in comparison to the total fisheries production: Estonia (0.8%), Latvia (0.5%), Lithuania (1.8%), Sweden (2.2%) and Finland (7.3%).

Among the 27 Member States, 5 produced about 75 % of the total EU aquaculture production in 2007.

Spain with nearly 285 thousand tonnes in 2007 made the major contribution to the EU-27 aquaculture production (22 % in 2007 vs. 24% in 2004) followed by France, over 237 thousand tonnes (18 % vs. 20%) and Italy, nearly 181 thousand tonnes (14 % vs. 9%) and the United Kingdom, 174 thousand tonnes (13% vs. 16%).

Norway is the largest single producer of aquaculture products of the countries included in this publication, producing more than 830 thousand tonnes in 2007. This is equal to nearly 64% of the total EU-27 aquaculture production

Table 2: Aquaculture production in 2007 by region of the activity (tonnes live weight)

	Region			Total
	Inland Waters	North-East Atlantic	Mediterranean and Black Sea	
EU 27 *	298,673	715,630	293,285	1,307,588
Belgium	128	-	-	128
Bulgaria	4,149	-	282	4,431
Czech Republic	20,447	-	-	20,447
Denmark	22,373	8,795	-	31,168
Germany	34,273	10,722	-	44,995
Estonia	778	-	-	778
Ireland	760	51,744	-	52,504
Greece	3,710	-	109,478	113,188
Spain	29,954	254,465	562	284,981
France	41,366	166,103	29,982	237,451
Italy	40,026	-	140,962	180,988
Cyprus	86	-	3,114	3,200
Latvia	729	-	-	729
Lithuania	3,378	-	-	3,378
Luxembourg	0	-	-	0
Hungary	15,922	-	-	15,922
Malta	-	-	8,589	8,589
Netherlands	9,550	43,821	-	53,371
Austria	2,539	-	-	2,539
Poland	35,867	-	-	35,867
Portugal	902	6,569	-	7,471
Romania	10,313	-	-	10,313
Slovenia	1,038	-	316	1,354
Slovakia	1,199	-	-	1,199
Finland	2,937	10,094	-	13,031
Sweden	2,717	2,648	-	5,365
United Kingdom	13,532	160,669	-	174,201
Candidate countries**				
Croatia	4,395	-	8,489	12,884
Former Yugoslav Republic of Macedonia	1,096	-	-	1,096
Turkey	59,033	-	80,988	140,021
EFTA				
Iceland	2,058	2,765	-	4,823
Norway	-	830,190	-	830,190

* EU-27 includes 2006-data for Poland

** Source FAO

Source: Eurostat ([taq00075](#))

77 % of EU-27 aquaculture production in marine areas

In 2007, marine waters accounted for 77% of the 1.3 million tonnes production from aquaculture in the EU-27 Member States (see Table 2); by comparison, inland waters accounted for 23 % of the production.

For the Candidate Countries, marine waters accounted for 58% of the 154 thousand tonnes

production from aquaculture; 42% of the production comes from inland waters.

For Iceland and Norway, the production was almost exclusively in the waters of the North-East Atlantic (over 99% of the total).

52% of EU-27 aquaculture production was molluscs

In 2007, 52 % of the EU-27 aquaculture production was of molluscs (primarily bi-valve molluscs, mussels and oysters) and 48% of fish species (see Table 3). Crustaceans are barely represented in the EU-27 aquaculture production. This contrasts with a world production of crustaceans of 4.9 million tonnes, 7.5% of the total fisheries production.

United Kingdom had the highest fish production in the European Community in 2007. At more than 147 thousand tonnes this was 23% of the EU-27

fish production. Spain (nearly 218 thousand tonnes), France (nearly 189 thousand tonnes) and Italy (over 120 thousand tonnes) made the major contribution to the EU-27 mollusc production; their combined mollusc production accounted for around 78% of the EU total.

For the Candidate and EFTA Countries fish (at 97% and over 99% respectively) also form the major component of the aquaculture production.

Blue mussels and rainbow trout are the major EU-27 species

EU-27 Member States have reported nearly 100 species as being cultivated. However most of these species are produced in small quantities: the major production is of relatively small number of species. The major species at EU-27 level are the blue mussel (*Mytilus edulis*) (23%) and the rainbow trout (*Onchorynchus mykiss*) (14%) which together make up 37% of the total production (see Table 4).

Compared to 2004, the production of mussels decreased from 36% to 23 %; the production of trout remains stable (16% in 2004 and 14% in 2007). Culture of these two species is not concentrated in any one small group of countries and one or both of these two species figure among the top two species in 14 of the EU Member States.

Rainbow trout, the common carp (*Cyprinus carpio*) and the gilthead sea bream (*Sparus aurata*) are the most frequently encountered fish species and the blue mussel, the Mediterranean mussel (*Mytilus galloprovincialis*) and the Pacific cupped oyster (*Crassostrea gigas*) are the most commonly cultivated molluscs.

Trouts (*Salmo* spp) and sea basses (*Dicentrarchus* spp) account for a major part of the production in the Candidate countries.

The Atlantic salmon (*Salmo salar*) is by far the major species in the EFTA countries with nearly 737 thousand tonnes being produced in Norway alone.

Table 3: Aquaculture production in 2007 by major groups of species (tonnes live weight)

	Marine fishes	Crustaceans	Molluscs	Aquatic plants	Total
EU 27 *	629,867	213	677,318	60	1,307,587
Belgium		128***		-	128
Bulgaria	4,148	1	282	-	4,431
Czech Republic	20,447	-	-	-	20,447
Denmark	30,219	-	949	-	31,168
Germany	34,369	1	10,625	-	44,995
Estonia	769	9	-	-	778
Ireland	11,238	-	41,266	-	52,504
Greece	90,985	4	22,199	-	113,188
Spain	67,060	122	217,775	25	284,982
France	48,506	40	188,870	35	237,451
Italy	60,670	-	120,317	-	180,988
Cyprus	3,170	30	-	-	3,200
Latvia	727	2	-	-	729
Lithuania	3,378	-	-	-	3,378
Luxembourg	0	-	-	-	0
Hungary	15,922	-	-	-	15,922
Malta	8,589	-	-	-	8,589
Netherlands	9,640	-	43,731	-	53,371
Austria	2,539	0	-	-	2,539
Poland	35,867	-	-	-	35,867
Portugal	4,457	-	3,014	-	7,471
Romania	10,313	-	-	-	10,313
Slovenia	1,053	-	301	-	1,354
Slovakia	1,199	-	-	-	1,199
Finland	13,030	-	-	-	13,030
Sweden	4,194	3	1,168	-	5,365
United Kingdom	147,379	0	26,821	-	174,200
Candidate countries**					
Croatia	9,384	-	3,500	-	12,884
Former Yugoslav Republic of Macedonia	1,096	-	-	-	1,096
Turkey	138,921	-	1,100	-	140,021
EFTA					
Iceland	4,823	-	-	-	4,823
Norway	827,677	30	2,483	-	830,190

* for 2007 EU-27 includes 2006-data for Poland

** Source FAO

*** 128 sum for the three species

Source: Eurostat ([taq00075](#))

Table 4: Aquaculture production by major species (tonnes live weight)

	English name	Scientific name	3-alpha identifier	Production	% of total
EU 27*	Mediterranean mussel	<i>Mytilus galloprovincialis</i>	MSM	306,934	23
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	189,059	14
Belgium	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	68	53
Bulgaria	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	2,030	46
	Common carp	<i>Cyprinus carpio</i>	FCP	1,230	61
Czech Republic	Common carp	<i>Cyprinus carpio</i>	FCP	17,947	88
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	623	3
Denmark	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	27,657	89
	European eel	<i>Anguilla anguilla</i>	ELE	1,614	6
Germany	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	23,174	52
	Blue mussel	<i>Mytilus edulis</i>	MUS	10,539	45
Estonia	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	610	78
	European eel	<i>Anguilla anguilla</i>	ELE	45	7
Ireland	Blue mussel	<i>Mytilus edulis</i>	MUS	32,835	63
	Atlantic salmon	<i>Salmo salar</i>	SAL	9,923	30
Greece	Gilthead seabream	<i>Sparus aurata</i>	SBG	50,023	44
	European seabass	<i>Dicentrarchus labrax</i>	BSS	34,761	69
Spain	Mediterranean mussel	<i>Mytilus galloprovincialis</i>	MSM	209,633	74
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	25,195	12
France	Pacific cupped oyster	<i>Crassostrea gigas</i>	OYG	110,800	47
	Blue mussel	<i>Mytilus edulis</i>	MUS	56,700	51
Italy	Mediterranean mussel	<i>Mytilus galloprovincialis</i>	MSM	58,479	32
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	37,800	65
Cyprus	Gilthead seabream	<i>Sparus aurata</i>	SBG	1,404	44
	European seabass	<i>Dicentrarchus labrax</i>	BSS	740	53
Latvia	Common carp	<i>Cyprinus carpio</i>	FCP	538	74
	Trouts nei	<i>Salmo spp</i>	TRO	24	4
Lithuania	Common carp	<i>Cyprinus carpio</i>	FCP	3,231	96
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	68	2
Hungary	Common carp	<i>Cyprinus carpio</i>	FCP	9,570	60
	Silver carp	<i>Hypophthalmichthys molitrix</i>	SVC	2,484	26
Malta	Gilthead seabream	<i>Sparus aurata</i>	SBG	1,097	13
	European seabass	<i>Dicentrarchus labrax</i>	BSS	75	7
Netherlands	Blue mussel	<i>Mytilus edulis</i>	MUS	43,731	82
	European eel	<i>Anguilla anguilla</i>	ELE	4,000	9
Austria	Common carp	<i>Cyprinus carpio</i>	FCP	377	23
	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	1,633	64
Poland	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	16,984	47
	Common carp	<i>Cyprinus carpio</i>	FCP	15,575	43
Portugal	Grooved carpet shell	<i>Tapes decussatus</i>	CTG	3,544	34
	Gilthead seabream	<i>Sparus aurata</i>	SBG	2,056	58
Romania	Common carp	<i>Cyprinus carpio</i>	FCP	799	59
	Bighead carp	<i>Hypophthalmichthys nobilis</i>	BIC	301	38
Slovenia	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	879	73
	Mediterranean mussel	<i>Mytilus galloprovincialis</i>	MSM	273	31
Slovakia	Rainbow trout	<i>Oncorhynchus mykiss</i>	TRR	12,055	93
	Common carp	<i>Cyprinus carpio</i>	FCP	888	7

Table 4: Aquaculture production by major species (tonnes live weight)

Finland	Rainbow trout	Oncorhynchus mykiss	TRR	3,700	69
	European whitefish	Coregonus lavaretus	PLN	1,168	32
Sweden	Rainbow trout	Oncorhynchus mykiss	TRR	130,104	75
	Blue mussel	Mytilus edulis	MUS	20,759	16
United Kingdom	Atlantic salmon	Salmo salar	SAL	130,104	75
	Blue mussel	Mytilus edulis	MUS	20,759	16
Candidate countries**	Trouts nei	Salmo spp	TRO	61,931	40
	Seabasses nei	Dicentrarchus spp	BSE	41,900	27
Croatia	European seabass	Dicentrarchus labrax	BSS	2,800	93
	Mediterranean mussel	Mytilus galloprovincialis	MSM	3,000	23
Former Yugoslav Republic of Macedonia	Trouts nei	Salmo spp	TRO	758	69
	Common carp	Cyprinus carpio	FCP	206	27
Turkey	Trouts nei	Salmo spp	TRO	61,173	44
	Seabasses nei	Dicentrarchus	BSE	41,900	68
EFTA	Atlantic salmon	Salmo salar	SAL	737,365	88
	Rainbow trout	Oncorhynchus mykiss	TRR	77,588	9
Iceland	Atlantic salmon	Salmo salar	SAL	1,197	58
	Arctic char	Salvelinus alpinus	ACH	2,048	42
Norway	Atlantic salmon	Salmo salar	SAL	736,168	89
	Rainbow trout	Oncorhynchus mykiss	TRR	77,578	11

* EU-27 includes 2006-data for Poland

** Source FAO

Source: Eurostat ([taq00075](#))

ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

EU Member States, Iceland and Norway submit aquaculture production data to Eurostat under the terms of the Council Regulation No 788/96 (Official Journal L108, 1.5.1996, p.8-11). Data for EU Candidate Countries have been obtained from FAO (Food and Agriculture Organization of the United Nations); Eurostat gratefully acknowledges FAO contribution of these data and indeed for its assistance in a quality control of all the data.

2007 is the most recent year for which complete data are available. The data availability and quality is expected to improve as of reference year 2008, a result of the entering into force of Regulation (EC)

No 762/2008 (Official Journal [L218, 13.8.2008, p.1-13](#)).

The production is reported in the live weight equivalent of the product. For molluscs this includes the weight of the shell.

The EU-27 Member states are Belgium, Bulgaria, Czech Republic, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Italy, Cyprus, Latvia, Lithuania, Luxemburg, Hungary, Malta, Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden and the United Kingdom.

The Candidate Countries are Croatia, the Former Yugoslav Republic of Macedonia and Turkey.

The EFTA countries referred to in this publication are Iceland and Norway.

Further information

Data: [Eurostat Website: http://ec.europa.eu/eurostat](http://ec.europa.eu/eurostat)

Data on "Fisheries Statistics":

<http://epp.eurostat.ec.europa.eu/portal/page/portal/fisheries/data/database>

More information about "Fisheries Statistics":

<http://epp.eurostat.ec.europa.eu/portal/page/portal/fisheries/introduction>

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Manuscript completed on: 10.11.2009

Data extracted on: 13.10.2009

ISSN 1977-0316

Catalogue number: KS-SF-09-083-EN-N

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