

17% of EU fisheries production from aquaculture in 2001.

David Cross

Statistics in focus

AGRICULTURE AND FISHERIES

THEME 5 – 34/2003

FISHERIES

Contents

Production in EU Member States 1

Production in Candidate Countries 1

Main species produced in the EU 2

Main species in the EU Candidate Countries..... 2

Production in EU Member States

In 2001 (the latest year for which complete data are available) the EU-15 Member States produced 1.3 million tonnes of fishery products from aquaculture, that is 17% of the total fisheries production from capture fisheries and aquaculture (see Table 1). The three major producers were Spain (313 thousand tonnes), France (252 thousand tonnes) and Italy (221 thousand tonnes): together they accounted for 61% of the total aquaculture production. Molluscs (oysters and mussels) accounted for a greater part (76%) of the production of these three countries. The major fish producer was the United Kingdom, with a total production of 171 thousand tonnes, 89% of fish.

The contribution of aquaculture to the total fisheries production of EU-15 Member States varied greatly from highs of 87% in Austria and 51% in Greece to a low of 2% in Sweden.

Production in Candidate Countries

The 10 Acceding Countries (ACC) had a relatively small aquaculture production of 77 thousand tonnes, only 9.9% of the total fisheries production. Largely due to a relative high production of 67 thousand tonnes in Turkey the total for all 13 Candidate Countries (CC) was doubled to 155 thousand tonnes but this still only accounted for only 11% of the total fisheries production. The outstanding feature of the aquaculture production of all 13 Candidate Countries was that it was almost exclusively of fish.

Country	Aquaculture			Total aquaculture	Total production	% from aquaculture
	Fish	Molluscs	Other			
BE	1 630	-	-	1 630	31 839	5.1
DK	41 670	3	-	41 673	1 552 012	2.7
DE	41 686	11 723	-	53 409	264 691	20.2
EL	71 832	25 970	-	97 802	192 196	50.9
ES	56 128	256 403	116	312 647	1 411 585	22.1
FR	60 669	191 330	63	252 062	924 545	27.3
IE	25 082	35 853	-	60 935	453 344	13.4
IT	69 250	149 000	3 019	221 269	533 672	41.5
NL	5 485	46 579	-	52 064	570 226	9.1
AT	2 392	-	1	2 393	2 755	86.9
PT	4 315	3 509	-	7 824	200 236	3.9
FI	15 739	-	-	15 739	165 835	9.5
SE	5 323	1 444	6	6 773	318 589	2.1
UK	151 997	18 519	-	170 516	911 622	18.7
EU-15	553 098	740 333	3 205	1 296 636	7 533 147	17.2
CZ	20 098	-	-	20 098	24 744	81.2
EE	467	-	0	467	105 959	0.4
CY	1 808	-	75	1 883	77 686	2.4
LV	463	-	-	463	153 932	0.3
LT	2 001	-	-	2 001	125 896	1.6
HU	13 056	-	-	13 056	19 694	66.3
MT	1 235	-	-	1 235	2 117	58.3
PL	35 460	-	-	35 460	261 376	13.6
SI	1 174	88	-	1 262	3 089	40.9
SK	999	-	-	999	2 530	39.5
AC	76 761	88	75	76 924	777 023	9.9
BG	1 610	-	3	1 613	8 143	19.8
RO	10 818	-	-	10 818	18 455	58.6
TR	67 236	5	-	67 241	594 974	11.3
CC	156 425	93	78	156 596	1 398 595	11.2

Table 1: Fisheries production (tonnes live weight) by EU Member States and Candidate Countries in 2001



Main species produced in the EU

As noted above, molluscs were the major group of species produced in EU Member States. The blue mussel (*Mytilus edulis*) accounted for 402 thousand tonnes of the total 740 thousand tonnes of molluscs produced, with the related Mediterranean mussels (*Mytilus galloprovincialis*) accounting for a further 128 thousand tonnes. (See Table 2). The Pacific cupped oyster (*Crassostrea gigas*) and the Japanese carpet shell (*Ruditapes phillippinarum*), at 134 thousand tonnes and 57 thousand tonnes respectively, were the other two main contributors to the total.

Of the fish species, the rainbow trout (*Oncorhynchus mykiss*), with a production of 227 thousand tonnes, was the major species and had the rare distinction of being reared in all of the Member States. Although also being reared in marine and brackish waters, culture was concentrated in fresh water. The major producers were Denmark, France, Italy and Spain.

The Atlantic salmon (*Salmo salar*), with an EU production of 162 thousand tonnes, was the next most important species with 139 thousand tonnes coming from marine culture in the United Kingdom.

Two marine species, the gilthead seabream (*Sparus aurata*) and the European seabass (*Dicentrarchus labrax*) with a combined production of 102 thousand tonnes, were the next most important species. The production was largely concentrated in Greece (66 thousand tonnes) and to a lesser extent in Italy (17 thousand tonnes) and Spain (12 thousand tonnes). The production had almost exactly doubled in the 5 years since 1997.

The common carp (*Cyprinus carpio*) is a fish with a long history in European aquaculture. In 2001 the EU production was 18 thousand tonnes with 11 thousand tonnes coming from Germany and 6 thousand tonnes from France.

The EU production of the European eel (*Anguilla anguilla*) was 10 thousand tonnes. For the most part the production was in fresh water, though small quantities were also produced in marine and brackish waters. Ten Member States were involved in the production though the Netherlands (4 thousand tonnes), Italy (3 thousand tonnes) and Denmark (2 thousand tonnes) made the major contributions.

Main species in the EU Candidate Countries.

Aquaculture in the 13 Candidate Countries was very much concentrated in freshwater, with 124 thousand tonnes of the 157 thousand tonnes (79%) being produced in this environment.

The common carp (51 thousand tonnes) and the rainbow trout (14 thousand tonnes) were the most important species in the 10 Acceding Countries with the production of the former being concentrated in Poland (22 thousand tonnes) and the Czech Republic (17 thousand tonnes) and the production of the latter predominately in Poland (11 thousand tonnes).

The freshwater culture of trouts (*Salmo* spp) at 37 thousand tonnes, almost exclusively in Turkey, was responsible for 46% of the aquaculture production of the remaining 3 Candidate Countries.

Two marine species, the gilthead seabream and seabasses (*Dicentrarchus* spp), at a combined total of 28 thousand tonnes, exclusively in Turkey, made the remaining major contribution to the production of these three countries. As in the EU, the production of these two species had doubled since 1997.

➤ ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

The current European Union Member States (EU-15) are Austria (AT), Belgium (BE), Denmark (DK), Finland (FI), France (FR), Germany (DE), Greece (EL), Ireland (IE), Italy (IT), Luxembourg (but with no aquaculture), the Netherlands (NL), Portugal (PT), Spain (ES), Sweden (SE) and the United Kingdom (UK). The Acceding Countries (AC - with EU membership foreseen from May 2004) are Cyprus (CY), Czech Republic (CZ), Estonia (EE), Hungary (HU), Latvia (LV), Lithuania (LT), Malta (MT), Poland (PL), Slovak Republic (SK) and Slovenia (SI). The Candidate Countries (CC) are the Acceding Countries plus Bulgaria (BG), Romania (RO) and Turkey (TR).

Aquaculture production data are submitted to Eurostat by the national authorities of EU Member States under the terms of Council Regulation (EC) no 788/96. Equivalent data for the EU Candidate Countries have been submitted either directly to Eurostat or via FAO on FAO's FISHSTAT AQ questionnaire.

The data are expressed in the live weight equivalent of the production. Thus, for example, the volume of production of mussels and oysters includes the weight of the shell.

3-alpha identifier	English name	Scientific name	Tonnes
European Union (EU-15)			
MOLLUSCS			
MUS	Blue mussel	<i>Mytilus edulis</i>	402 072
OYG	Pacific cupped oyster	<i>Crassostrea gigas</i>	133 551
MSM	Mediterranean mussel	<i>Mytilus galloprovincialis</i>	127 934
CLJ	Japanese carpet shell	<i>Ruditapes phillipinarum</i>	56 905
OYF	European flat oyster	<i>Ostrea edulis</i>	6 589
FISH			
TRR	Rainbow trout	<i>Oncorhynchus mykiss</i>	226 549
SAL	Atlantic salmon	<i>Salmo salar</i>	162 267
SBG	Gilthead seabream	<i>Sparus aurata</i>	61 284
BSS	European seabass	<i>Dicentrarchus labrax</i>	40 805
FCP	Common carp	<i>Cyprinus carpio</i>	17 616
ELE	European eel	<i>Anguilla anguilla</i>	10 077
Acceding countries (AC)			
FISH			
FCP	Common carp	<i>Cyprinus carpio</i>	50 570
TRR	Rainbow trout	<i>Oncorhynchus mykiss</i>	13 757
SBG	Gilthead seabream	<i>Sparus aurata</i>	2 324
SVC	Silver carp	<i>Hypophthalmichthys molitrix</i>	2 155
FRF	Freshwater fishes nei	<i>Osteichthyes</i>	1 501
FCY	Cyprinids nei	<i>Cyprinidae</i>	1 500
Other Candidate Countries			
FISH			
TRO	Trouts nei	<i>Salmo spp</i>	38 075
BSE	Seabasses nei	<i>Dicentrarchus spp</i>	15 546
SBG	Gilthead seabream	<i>Sparus aurata</i>	12 939
FCP	Common carp	<i>Cyprinus carpio</i>	3 663
SVC	Silver carp	<i>Hypophthalmichthys molitrix</i>	3 316
BIC	Bighead carp	<i>Hypophthalmichthys nobilis</i>	2 215

Table 2: Main species in the aquaculture of the EU Member States and Candidate Countries in 2001 (tonnes live weight)

Further information:

➤ Reference publications

Title Fisheries Yearbook - Data 1992-2001
 Catalogue No KS-AX-02-001-3A-C Price EUR 15

➤ Databases

NewCronos, Theme 5, Domain: fish

To obtain information or to order publications, databases and special sets of data, please contact the **Data Shop** network:

DANMARK	DEUTSCHLAND	ESPAÑA	FRANCE	ITALIA – Roma
DANMARKS STATISTIK Bibliotek og Information Eurostat Data Shop Sejrøgade 11 DK-2100 KØBENHAVN Ø Tlf. (45) 39 17 30 30 Fax (45) 39 17 30 03 E-mail: bib@dst.dk URL: http://www.dst.dk/bibliotek	Statistisches Bundesamt Eurostat Data Shop Berlin Otto-Braun-Straße 70-72 (Eingang: Karl-Marx-Allee) D-10178 Berlin Tel. (49) 1888-644 94 27/28 (49) 611 75 94 27 Fax (49) 1888-644 94 30 E-Mail: datashop@destatis.de URL: http://www.eu-datashop.de/	INE Eurostat Data Shop Paseo de la Castellana, 183 Despacho 011B Entrada por Estébanez Caldeón E-28046 MADRID Tel. (34) 915 839 167/ 915 839 500 Fax (34) 915 830 357 E-mail: datashop.eurostat@ine.es URL: http://www.ine.es/produser/datashop/index.html Member of the MIDAS Net	INSEE Info Service Eurostat Data Shop 195, rue de Bercy Tour Gamma A F-75582 PARIS CEDEX 12 Tél. (33) 1 53 17 88 44 Fax (33) 1 53 17 88 22 E-mail: datashop@insee.fr Member of the MIDAS Net	ISTAT Centro di informazione statistica Sede di Roma Eurostat Data Shop Via Cesare Balbo, 11a I-00184 Roma Tel. (39) 06 46 73 32 28 Fax (39) 06 46 73 31 01/ 07 E-mail: datashop@istat.it URL: http://www.istat.it/Prodotti-e/Allegati/Eurostatdatashop.html Member of the MIDAS Net
ITALIA – Milano	NEDERLAND	PORTUGAL	SUOMI/FINLAND	SVERIGE
ISTAT Ufficio Regionale per la Lombardia Eurostat Data Shop Via Fieno 3 I-20123 MILANO Tel. (39) 02 80 61 32 460 Fax (39) 02 80 61 32 304 E-mail: miluro@tin.it URL: http://www.istat.it/Prodotti-e/Allegati/Eurostatdatashop.html Member of the MIDAS Net	Centraal Bureau voor de Statistiek Eurostat Data Shop - Voorburg Postbus 4000 NL-2270 JM VOORBURG Nederland Tel. (31) 70 337 49 00 Fax (31) 70 337 59 84 E-mail: datashop@cbs.nl URL: www.cbs.nl/eurodatashop	Eurostat Data Shop Lisboa INE/Serviço de Difusão Av. António José de Almeida, 2 P-1000-043 LISBOA Tel. (351) 21 842 61 00 Fax (351) 21 842 63 64 E-mail: data.shop@ine.pt	Statistics Finland Eurostat Data Shop Helsinki Tilastokirjasto PL 2B FIN-00022 Tilastokeskus Työpajakatu 13 B, 2. Kerros, Helsinki P. (358) 9 17 34 22 21 F. (358) 9 17 34 22 79 Sähköposti: datashop@stat.fi URL: http://www.tilastokeskus.fi/tk/kk/datashop/	Statistics Sweden Information service Eurostat Data Shop Karlavägen 100 - Box 24 300 S-104 51 STOCKHOLM Tfn (46) 8 50 69 48 01 Fax (46) 8 50 69 48 99 E-post: infoservice@scb.se URL: http://www.scb.se/templates/Standard_22884.asp
UNITED KINGDOM	NORGE	SCHWEIZ/SUISSE/SVIZZERA	UNITED STATES OF AMERICA	
Eurostat Data Shop Office for National Statistics Room 1.015 Cardiff Road Newport South Wales NP10 8XG United Kingdom Tel. (44) 1633 81 33 69 Fax (44) 1633 81 33 33 E-mail: eurostat.datashop@ons.gov.uk	Statistics Norway Library and Information Centre Eurostat Data Shop Kongens gate 6 Boks 8131 Dep. N-0033 OSLO Tel. (47) 21 09 46 42 / 43 Fax (47) 21 09 45 04 E-mail: Datashop@ssb.no URL: http://www.ssb.no/biblioteket/datashop/	Statistisches Amt des Kantons Zürich Eurostat Data Shop Bleicherweg 5 CH-8090 Zürich Tel. (41) 1 225 12 12 Fax (41) 1 225 12 99 E-mail: datashop@statistik.zh.ch URL: http://www.statistik.zh.ch	Harver Analytics Eurostat Data Shop 60 East 42nd Street Suite 3310 NEW YORK, NY 10165 USA Tel. (1) 212 986 93 00 Fax (1) 212 986 69 81 E-mail: euromdata@haver.com URL: http://www.haver.com/	

Media Support Eurostat (for professional journalists only):
 Bech Building Office A4/017 • L-2920 Luxembourg • Tel. (352) 4301 33408 • Fax (352) 4301 35349 • e-mail: eurostat-mediasupport@cec.eu.int

For information on methodology

David Cross, Eurostat / E3, L-2920 Luxembourg, Tel. (352) 4301 37249, Fax (352) 4301 37318,

E-mail: david.cross@cec.eu.int

ORIGINAL: English

Please visit our web site at www.europa.eu.int/comm/eurostat/ for further information!

A list of worldwide sales outlets is available at the **Office for Official Publications of the European Communities**.

2 rue Mercier – L-2985 Luxembourg
 Tel. (352) 2929 42118 Fax (352) 2929 42709
 URL: <http://publications.eu.int>
 E-mail: info-opoce@cec.eu.int

BELGIQUE/BELGIË – DANMARK – DEUTSCHLAND – GREECE/ELLADA – ESPAÑA – FRANCE – IRELAND – ITALIA – LUXEMBOURG – NEDERLAND – ÖSTERREICH
 PORTUGAL – SUOMI/FINLAND – SVERIGE – UNITED KINGDOM – ISLAND – NORGE – SCHWEIZ/SUISSE/SVIZZERA – BALGARUJA – ČESKÁ REPUBLIKA – CYPRUS
 EESTI – HRVATSKA – MAGYARORSZÁG – MALTA – POLSKA – ROMÂNIA – RUSSIA – SLOVAKIA – SLOVENIA – TÜRKIYE – AUSTRALIA – CANADA – EGYPT – INDIA
 ISRAËL – JAPAN – MALAYSIA – PHILIPPINES – SOUTH KOREA – THAILAND – UNITED STATES OF AMERICA

Order form

I would like to subscribe to Statistics in focus (from 1.1.2003 to 31.12.2003):

(for the Data Shop and sales office addresses see above)

All 9 themes (approximately 200 issues)

Paper: EUR 240

Language required: DE EN FR

Statistics in focus can be downloaded (pdf file) free of charge from the Eurostat web site. You only need to register. For other solutions, contact your Data Shop.

Please send me a free copy of 'Eurostat mini-guide' (catalogue containing a selection of Eurostat products and services)

Language required: DE EN FR

I would like a free subscription to 'Statistical References', the information letter on Eurostat products and services

Language required: DE EN FR

Mr Mrs Ms

(Please use block capitals)

Surname: _____ Forename: _____

Company: _____ Department: _____

Function: _____

Address: _____

Post code: _____ Town: _____

Country: _____

Tel.: _____ Fax: _____

E-mail: _____

Payment on receipt of invoice, preferably by:

Bank transfer

Visa Eurocard

Card No: _____ Expires on: ____/____/____

Please confirm your intra-Community VAT number:

If no number is entered, VAT will be automatically applied. Subsequent reimbursement will not be possible.