



PRESS RELEASE

SEA FISHERY SURVEY BY MOTOR-PROPELLED VESSELS: 2021

The Hellenic Statistical Authority (ELSTAT) announces the results of the Sea Fishery Survey by motor-propelled vessels for the year 2021.

NUMBER OF MOTOR-PROPELLED FISHING VESSELS

The total number of motor-propelled fishing vessels¹ (open sea and inshore fishery)² decreased by 11.7% in 2021 compared with 2020. Specifically, the number of fishing vessels amounted to 12,148 in 2021 and to 13,763 in 2020 (Table 1).

The changes in the number of motor-propelled fishing vessels of open sea and inshore fishery by type of fishing gear are as follows:

- **Open sea fishery** vessels (bottom otter trawls and purse seines): the number of trawls and purse seines decreased by 5.2% in 2021 compared with 2020. Specifically, the number of open sea fishery vessels amounted to 459 (235 trawls and 224 purse seines) in 2021 and to 484 (245 trawls and 239 purse seines) in 2020 (Table 1).
- **Inshore fishery** vessels (beach seines and other fishing gears): the number of inshore fishery vessels decreased by 12.0% in 2021 compared with 2020. Specifically, the number of inshore fishery vessels amounted to 11,689 (208 beach seines and 11,481 other fishing vessels) in 2021 and to 13,279 (221 beach seines and 13,058 other fishing vessels) in 2020 (Table 1).

Table 1. Number of fishing vessels of open sea and inshore fishery by type of fishing gear, 2020 and 2021

Category of fishery and type of fishing gear	2020	2021	Change (%) 2021/2020
Total	13,763	12,148	-11.7
Open sea fishery	484	459	-5.2
Bottom otter trawls	245	235	-4.1
Purse seines	239	224	-6.3
Inshore fishery	13,279	11,689	-12.0
Beach seines	221	208	-5.9
Other fishing gears	13,058	11,481	-12.1

¹ The source of these data is the Hellenic Ministry of Rural Development and Food.

² The relevant data regarding overseas fishery for years 2020 and 2021 are not published on account of confidentiality.

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QUANTITY AND VALUE OF CATCHES

The total quantity of catches, caught by open sea and inshore fishery vessels, decreased by 16.8% and the corresponding value³ decreased by 1.6% in 2021 compared with 2020. Specifically, in 2021 the quantity of catches amounted to 58,365.1 tonnes and value to 234,417.1 thousand euro and in 2020 quantity amounted to 70,182.5 tonnes and value to 238,190.4 thousand euro (Table 2).

The changes in the quantity and value of catches, by fishery category are as follows:

- **Open sea fishery:** the quantity of catches decreased by 19.5%, while the corresponding value recorded a non-significant increase of 0.04%, in 2021 compared with 2020. Specifically, the quantity of catches amounted to 34,691.6 tonnes and value to 101,116.4 thousand euro in 2021 and in 2020 quantity amounted to 43,085.8 tonnes and value to 101,074.3 thousand euro (Table 2, Graph 1a and 1b).
- **Inshore fishery:** the quantity and value of catches decreased by 12.6% and 2.8% respectively, in 2021 compared with 2020. Specifically, the quantity of catches amounted to 23,673.5 tonnes and value to 133,300.7 thousand euro in 2021 and in 2020 quantity amounted to 27,096.7 tonnes and value to 137,116.1 thousand euro (Table 2, Graph 1a and 1b).

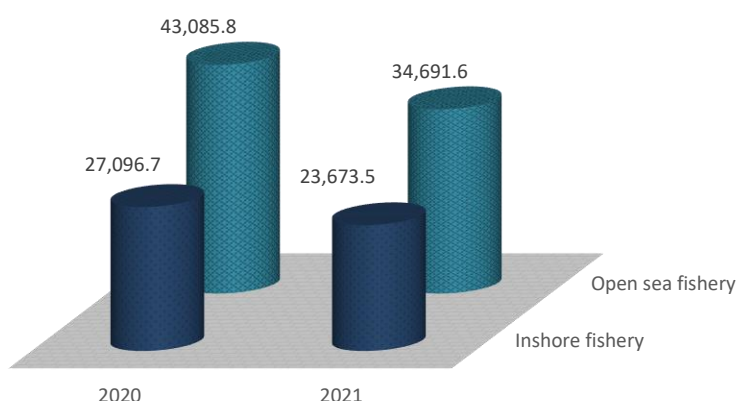
Table 2. Quantity and value of catches of open sea and inshore fishery, 2020 and 2021

Quantity in tonnes, value in thousand euro

	2020		2021		Change (%) 2021/2020	
	Quantity	Value	Quantity	Value	Quantity	Value
Total	70,182.5	238,190.4	58,365.1	234,417.1	-16.8	-1.6
Open sea fishery	43,085.8	101,074.3	34,691.6	101,116.4	-19.5	0.04
Inshore fishery	27,096.7	137,116.1	23,673.5	133,300.7	-12.6	-2.8

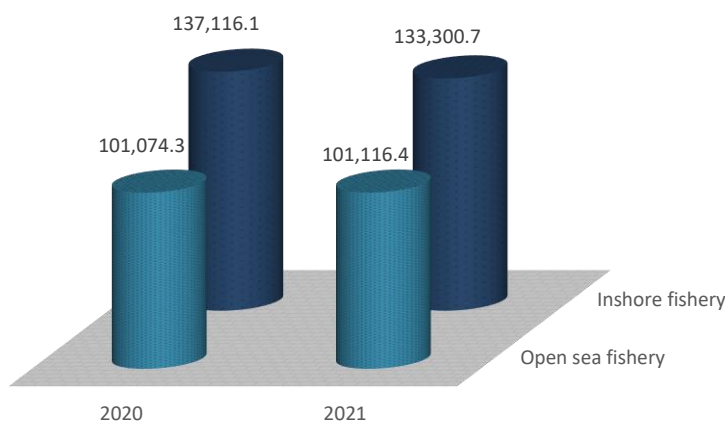
Graph 1a. Quantity of catches by category of fishery (open sea and inshore), 2020 and 2021

In tonnes



Graph 1b. Value of catches by category of fishery (open sea and inshore), 2020 and 2021

In thousand euro

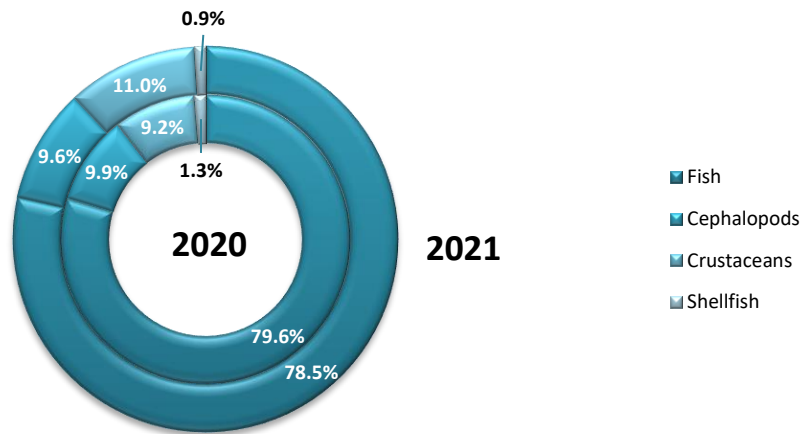


³ The source of these data (average prices – value) is the Fishing Development Corporation (ETANAL SA), which merged by absorption with the Central Market and Fishery Organisation (CMFO SA).

QUANTITY OF CATCHES BY MAIN SPECIES

In the reference year 2021, 78.5% of the total quantity of 58,365.1 tonnes caught by open sea and inshore fishery vessels were fish, 9.6% were cephalopods, 11.0% were crustaceans and 0.9% was shellfish. In 2020, 79.6% of the total quantity of 70,182.5 tonnes caught by open sea and inshore fishery vessels were fish, 9.9% were cephalopods, 9.2% were crustaceans and 1.3% was shellfish (Table 3, Graph 2).

Graph 2. Percentage (%) distribution of catches by taxonomic group, 2020 and 2021



The changes in the quantity of catches of open sea and inshore fishery, by main taxonomic group (fish, cephalopods, crustaceans and shellfish), are as follows (Table 3, Graph 3):

- The total quantity of **fish** decreased by 18.0% in 2021 compared with 2020. Specifically, in 2021 the quantity of fish caught amounted to 45,833.2 tonnes and to 55,884.9 tonnes in 2020.
- The total quantity of **cephalopods** decreased by 19.6% in 2021 compared with 2020. Specifically, in 2021 the quantity of cephalopods caught amounted to 5,586.5 tonnes and to 6,950.5 tonnes in 2020.
- The total quantity of **crustaceans** decreased by 0.8% in 2021 compared with 2020. Specifically, in 2021 the quantity of crustaceans caught amounted to 6,394.4 tonnes and to 6,448.3 tonnes in 2020.
- The total quantity of **shellfish** decreased by 38.7% in 2021 compared with 2020. Specifically, in 2021 the quantity of shellfish caught amounted to 551.1 tonnes and to 898.8 in 2020.

Graph 3. Percentage (%) change of catch quantity, 2021/2020

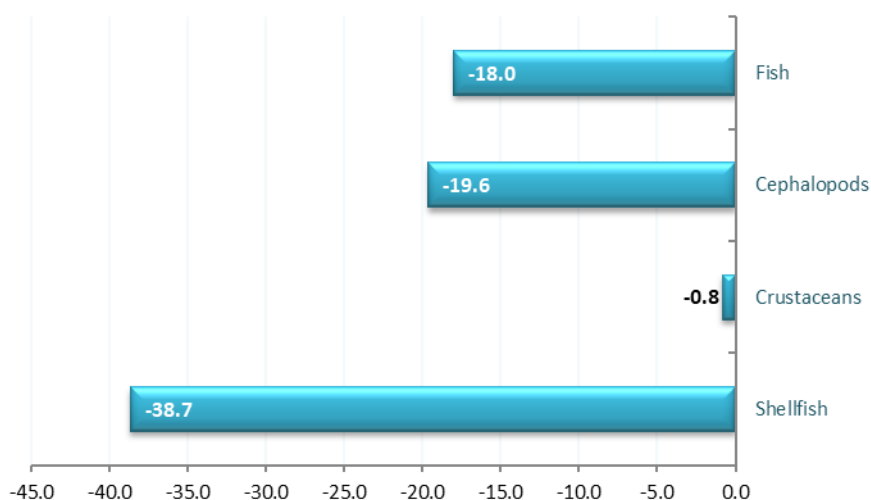


Table 3. Quantity of catches of open sea and inshore fishery by main species, 2020 and 2021*In tonnes*

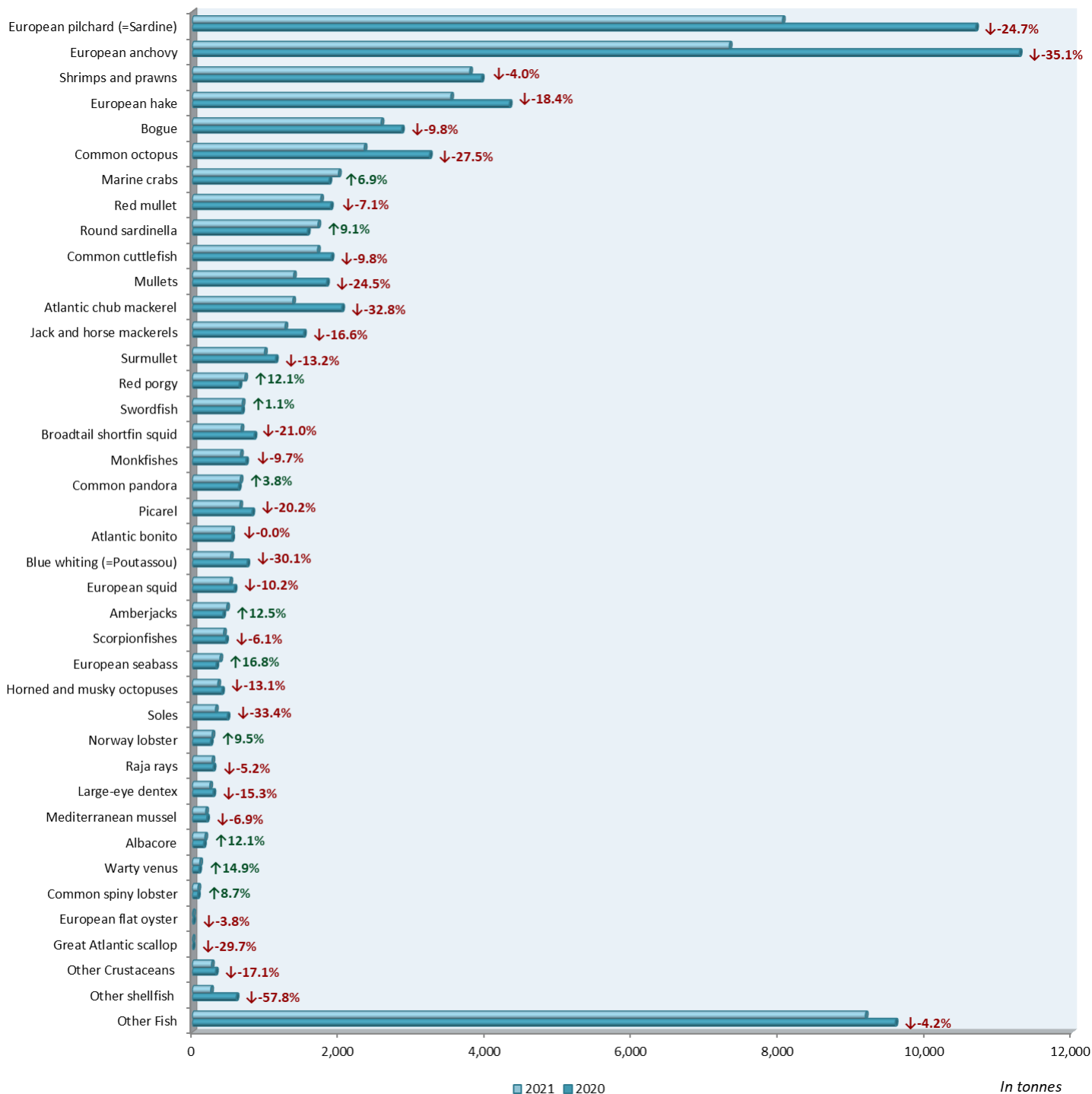
Main Species	2020	2021	Change (%) 2021/2020
Total	70,182.5	58,365.1	-16.8
Fish	55,884.9	45,833.2	-18.0
Albacore	155.2	174.0	12.1
Amberjacks	418.7	471.2	12.5
Atlantic bonito	539.7	539.5	-0.0
Atlantic chub mackerel	2,039.7	1,371.7	-32.8
Blue whiting (=Poutassou)	747.3	522.3	-30.1
Bogue	2,854.9	2,576.1	-9.8
Common pandora	631.1	655.1	3.8
European anchovy	11,275.5	7,322.3	-35.1
European hake	4,323.5	3,525.9	-18.4
European pilchard (=Sardine)	10,680.8	8,046.3	-24.7
European seabass	324.6	379.1	16.8
Jack and horse mackerels	1,518.7	1,266.4	-16.6
Large-eye dentex	284.0	240.6	-15.3
Monkfishes	730.6	659.4	-9.7
Mulletts	1,832.7	1,383.2	-24.5
Picarel	815.1	650.4	-20.2
Raja rays	286.4	271.6	-5.2
Red mullet	1,885.5	1,752.5	-7.1
Red porgy	640.3	718.0	12.1
Round sardinella	1,571.4	1,714.9	9.1
Scorpionfishes	456.8	428.9	-6.1
Soles	477.6	317.9	-33.4
Surmullet	1,135.7	986.3	-13.2
Swordfish	675.6	682.8	1.1
Other Fish ⁴	9,583.5	9,176.8	-4.2
Cephalopods	6,950.5	5,586.5	-19.6
Broadtail shortfin squid	844.5	667.5	-21.0
Common cuttlefish	1,895.2	1,708.7	-9.8
Common octopus	3,234.9	2,345.6	-27.5
European squid	573.2	514.7	-10.2
Horned and musky octopuses	402.7	350.0	-13.1
Crustaceans	6,448.3	6,394.4	-0.8
Common spiny lobster	72.9	79.3	8.7
Marine crabs	1,866.0	1,995.0	6.9
Norway lobster	248.5	272.0	9.5
Shrimps and prawns	3,942.3	3,783.9	-4.0
Other Crustaceans	318.6	264.1	-17.1
Shellfish	898.8	551.1	-38.7
European flat oyster	8.6	8.2	-3.8
Great Atlantic scallop	1.3	0.9	-29.7
Mediterranean mussel	198.1	184.5	-6.9
Warty venus	90.8	104.3	14.9
Other Shellfish	600.0	253.1	-57.8

Note: Any differences between totals and sums, as well as percentages are due to rounding.

⁴ Other fish include species: annular seabream, atlantic mackerel, axillary seabream, black seabream, blackspot (=red) seabream, blotched picarel, bluefish, brill, catsharks, nursehounds, comber, common dentex, dusky grouper, European eel, European sprat, frigate and bullet tunas, garfish, gilthead seabream, greater weever, gurnards, searobins, jacks, crevalles, John Dory, little tunny (=Atl.black skipj), megrims, seabream, salema, sand smelts, sand steenbras, shi drum, smooth-hounds, white grouper, white seabream, whiting, wreckfish and other fish.

The two species most fished in 2021 were *European pilchard* and *European anchovy*, with 8,046.3 tonnes and 7,322.3 tonnes, respectively, accounting for 13.8% and 12.5% of the total volume of catches. In 2020, 10,680.8 tonnes (15.2% of the total volume of catches) of European pilchard and 11,275.5 tonnes (16.1% of the total volume of catches) of European anchovy were caught (Table 3, Graph 4).

Graph 4. Quantity of catches of open sea and inshore fishery by main species, 2020 and 2021



QUANTITY OF CATCHES BY FISHING AREA

The greater quantities of catches are located at the following fishing areas: a. Thermaikos Gulf and Gulf of Chalkidiki, 14,379.2 tonnes and 24.6% and b. Strymonikos Gulf, Gulf of Kavala, Coasts of Thasos and Thracian Sea, 12,237.7 tonnes and 21.0% (Table 4, Graph 5).

Graph 5. Quantity of catches by fishing area, 2021

In tonnes

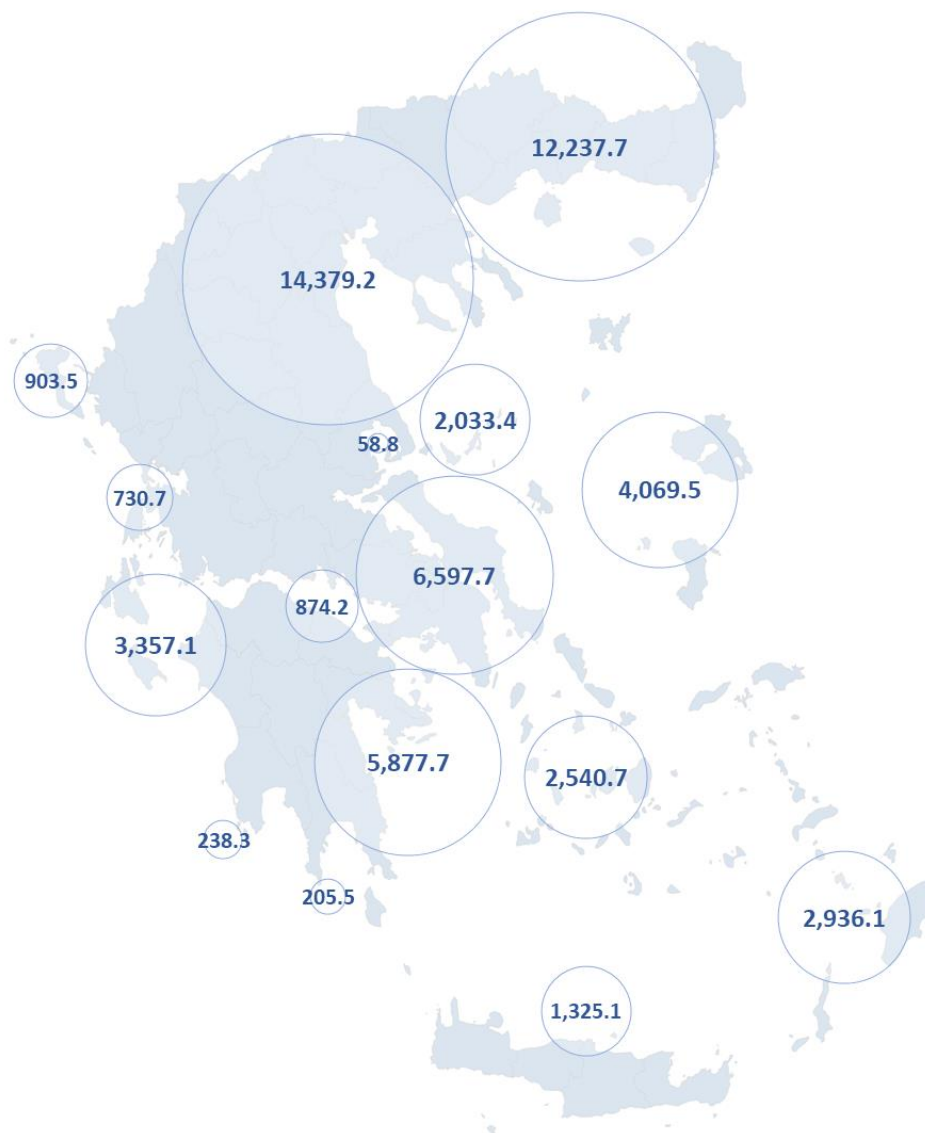


Table 4. Quantity of catches by fishing area, 2021*In tonnes*

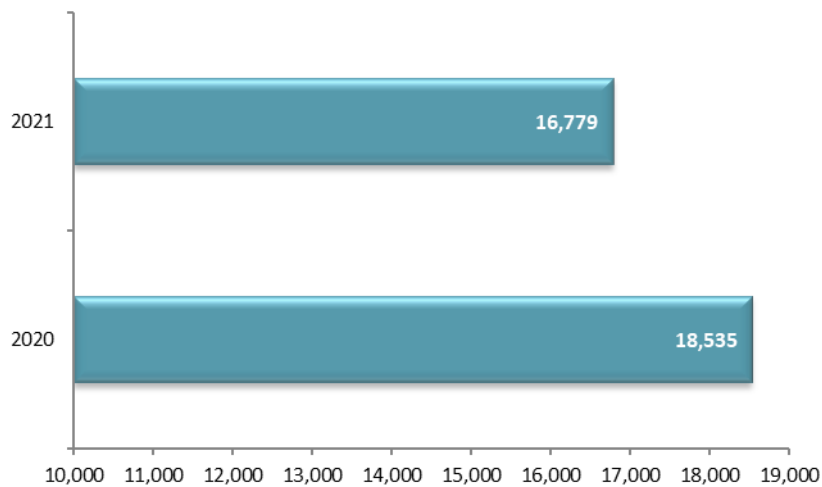
Fishing area	Quantity	Percentage (%)
Total	58,365.1	100.0
Coasts of Epiros and Kerkyra island	903.5	1.5
Amvrakikos Gulf and coasts of Lefkada island	730.7	1.3
Coasts of Kefalonia, Zakynthos and Gulf of Patra	3,357.1	5.8
Gulf of Kyparissia and Gulf of Messinia	238.3	0.4
Gulf of Lakonia	205.5	0.4
Gulf of Argolida and Saronikos Gulf	5,877.7	10.1
Gulf of Korinthia	874.2	1.5
Gulf of South and North Evia	6,597.7	11.3
Pagassitikos Gulf	58.8	0.1
Eastern coasts of Evia and Sporades islands	2,033.4	3.5
Thermaikos Gulf and Gulf of Chalkidiki	14,379.2	24.6
Strymonikos Gulf and Gulf of Kavala, coasts of Thasos and Thracian Sea	12,237.7	21.0
Islands of Lesvos, Chios, Samos and Ikaria	4,069.5	7.0
Dodekanissos islands	2,936.1	5.0
Kyklades islands	2,540.7	4.4
Kriti island	1,325.1	2.3

Note: Any differences between totals and sums, as well as percentages are due to rounding.

ANNUAL EMPLOYMENT DATA

Average annual employment in open sea and inshore fishery recorded a decrease of 9.5% in 2021 compared with 2020. Specifically, in 2021, persons employed in sea fishery amounted to 16,779 and to 18,535 in 2020 (Graph 6).

Graph 6. Average annual employment (number of employed persons), 2020 and 2021



EXPLANATORY NOTES

Sea Fishery Survey	The Hellenic Statistical Authority has been conducting a sample survey on sea fishery, since 1964. Until the reference year 2015, the sample of the Sea Fishery Survey included only professional motor-propelled fishing vessels with HP of 20 and over. From the reference year 2016 onwards, survey sample includes all professional motor-propelled fishing vessels, irrespective of their horsepower.
Purpose	The main purpose of the Survey is to compile statistical data and produce results on the number of professional motor-propelled fishing vessels, the quantity of catches by main species, by type of fishing gear and by fishing areas, value of catches, as well as employment data.
Legal Framework	The legal framework of the Survey is set by Regulation (EC) No 1921/2006 of the European Parliament and of the Council on the submission of statistical data on landings of fishery products in Member States and also by Regulation (EC) No 216/2009 of the European Parliament and of the Council on the submission of nominal catch statistics by Member States fishing in certain areas other than those of the North Atlantic.
Reference Period	The Survey refers to the year 2021. For comparability reasons, data on motor-propelled vessels for the year 2020 are also presented.
Definitions	<ol style="list-style-type: none">1. The statistical unit of this survey is the motor propelled fishing vessel which fishes individually, that is with its own means.2. Fishing vessels are distinguished into three main categories:<ol style="list-style-type: none">a) overseas fishery vessels,b) open sea fishery vessels,c) inshore fishery vessels.3. Fishing gears are distinguished into five basic types:<ol style="list-style-type: none">a) trawls of overseas fishery,b) bottom otter trawls,c) purse seines,d) beach seines,e) other fishing gears of inshore fishery.4. Catches are distinguished into four taxonomic groups:<ol style="list-style-type: none">a) fish,b) cephalopods,c) crustaceans,d) shellfish.5. Fishing area: it is the area where the largest quantity of catches is fished, according to the responsible for filling in the questionnaire fisherman.6. Employment: the total number of persons that have worked on the vessel is considered as employed personnel.
Methodology	For each vessel, a statistical questionnaire is answered by the fishermen, either recording the quantity of fish by species caught in the previous month or declaring that the vessel did not work, as well as the fishing area, the fishing gear used and information about employment. The data are collected every month for each vessel by the local customs authorities.
References	More information on the results of the survey, tabulated data, as well as questionnaire samples etc, are available on the website of the Hellenic Statistical Authority (ELSTAT) (www.statistics.gr/en/home), under the link http://www.statistics.gr/en/statistics/-/publication/SPA03/2021-M01 .