

Statistical survey on fishing and aquaculture (fish breeding)

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Reference Metadata in ESMS 2.0 structure

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2	Metadata update
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3 Statistical presentation**3.1 Data description**

Data on the produced quantities of freshwater fish, production of juveniles, employees, aquaculture, mortality of consumed fish and juveniles as well as the manner of breeding fish.

3.2 Classification system

National classification of activities - NACE Rev.2 Nomenclature of agricultural products, forestry, hunting and fishing and related services.

3.3 Sector coverage

Section A - Agriculture, forestry and fishing, division 03 - Fishing and aquaculture. Also, the class 93.12 - Activities of sport clubs (fishing associations) which take interest in fishing activities as a hobby or sport fishing.

3.4 Statistical concepts and definitions

Total catch of freshwater fish means the caught quantities of fish for consumption by legal and natural persons, professionally or recreationally, on lakes, rivers and canals, and production of consumed fish in fishponds.

Pond - a relatively shallow and usually small area with stagnant water or water that has a low degree of regeneration, in most cases built artificially, but can be used for natural ponds, ponds, mountain lakes or small ponds.

Habitats and kennels - are places for artificial breeding, spawning and fattening of aquatic animals in the early stages of life. For the purposes of statistics, hatcheries are limited to the production of fertilized eggs - eggs. The first stage of juvenile specimens of aquatic animals - the offspring should take place in the kennel.

Enclosed spaces - denotes partitioned water surfaces with a network or other barriers, which allow a constant flow of water, and are specific in the fact that the enclosed space occupies a water column between the substrate and the surface, the enclosed space essentially covers a large amount of water.

Pools and canals are artificially built units above or below ground level that can withstand a large amount of water flow, with strong environmental control but no water circulation.

Cages - exposed or covered net structures or some other porous material, which allows natural water exchange. These structures can float, be hung or fixed to the substrate, but still allow water exchange.

Recycling systems - are systems in which water is reused after some kind of treatment (eg filtration).

Transferred to a controlled environment - means deliberate release for further cultivation in aquaculture.

Released into the natural environment - is the deliberate release into rivers, lakes, canals and other waters for the purpose of stocking them for purposes not related to aquaculture. These released aquatic organisms can be caught in fishing operations.

Fish mortality - loss of fish (offspring or consumables) regardless of the cause of death.

3.5 Statistical unit

Business entities

3.6 Statistical population

Business entities defined as fishponds, hatcheries and juvenile farms, sport fishing associations, according to the NACE rev.1.classification are in sector A, section 03, as well as class 93.12.

3.7 Reference area

Republic of North Macedonia

3.8 Time coverage

From 1994 onwards.

3.9 Base period

not applicable

4 Unit of measure

kilograms

5 Reference period

Year

6 Institutional mandate

ATIONAL LEGISLATIVE REGULATION

Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18, 31/20) (<https://www.stat.gov.mk/ZakonZaStatistika.aspx>)

Program for statistical research, 2018-2022 ("Official Gazette of RM" no. 22/18.) (<https://www.stat.gov.mk/ZaNas.aspx?id=8>)

EUROPEAN REGULATION

Ec Regulation no. 762/2008.

6.1 Legal acts and other agreements

NATIONAL LEGISLATION

Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18, 31/20) (https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)

Programme of Statistical Surveys 2018-2022 ("Official Gazette of RM" No. 22/18.) (https://www.stat.gov.mk/ZaNas_en.aspx?id=8)

EUROPEAN LEGISLATION

EC Regulation no. 762/2002

6.2 Data sharing

Not applicable

7 Confidentiality

1. The protection of individual data is regulated by the Law on State Statistics (<https://www.stat.gov.mk/ZakonZaStatistika.aspx>). 2. The basic principles and activities undertaken to ensure the confidentiality of the data are described in the Statistical Confidentiality Policy (<https://www.stat.gov.mk/pdf/PolitikaZaDoverlivost.pdf>).

7.1 Confidentiality - policy

Pursuant to Article 38 of the Law on State Statistics (https://www.stat.gov.mk/ZakonZaStatistika_en.aspx) and the Policy on Statistical Confidentiality (<https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf>), individual data are not published. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.

7.2 Confidentiality - data treatment

<https://www.stat.gov.mk/Kalendar.aspx>

8 Release policy**8.1 Release calendar**

The date of publication of the data is determined in the Calendar for the publication of Announcements, which is updated quarterly.

8.2 Release calendar access

http://www.stat.gov.mk/Kalendar_nov_en.aspx

8.3 User access

All users have simultaneous (or equal) access to statistics: this means that the dates for publishing the statistics are previously made public and no user has access to the official statistics before they are published. The statistical data are first published in the "Announcements" edition on the WEB page of the State Statistical Office at 12:00.

9	Frequency of dissemination
Annual	
10	Accessibility and clarity
10.1	News release
Annual News Release : https://www.stat.gov.mk/PrikaziSoopstenie_en.aspx?rbrtxt=147	
10.2	Publications
The data are published in the Statistical Yearbook (https://www.stat.gov.mk/PrikaziPublikacija_1.aspx?rbr=816)	
10.3	On-line database
MAKStat Database - Hunting and Fishing	
10.4	Micro-data access
The use of micro-data for external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymized micro-data is defined by an internal procedure of the State Statistical Office "Access to anonymized micro-data for scientific research purposes". (https://www.stat.gov.mk/ZaNas.aspx?id=22).	
10.5	Other
At the request of the users, the data are prepared in a form according to their needs.	
10.6	Documentation on methodology
"Methodological explanations which are part of the ""Statistical Yearbook of the Republic of Macedonia"", 2016 http://www.stat.gov.mk/Publikacii/PDFSG2016/10-Zemjodelstvo-Agriculture.pdf "	
10.7	Quality documentation
AC3. - Coverage of metadata from statistical outputs = 85%.	
AC3. - Coverage of metadata from statistical processes = 88.5%.	
AC3. - Coverage of quality metadata = 85%.	
11	Quality management
11.1	Quality assurance
Quality Report for 2015, from the SSO,	
http://www.stat.gov.mk/meta_n/ESMS_2015_ZE62_mk.mhtml	

11.2 Quality assessment

Fisheries data are used by fishing associations and other users.

12 Relevance

12.1 User needs

Data for fishing are used by the fishing associations and other users.

12.2 User satisfaction

Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.

12.3 Completeness

Completeness of data at the national level = 100%.

13 Accuracy and reliability

13.1 Overall accuracy

The survey methodology and the data collection method ensure good coverage and accuracy of the data.

13.2 Sampling error

Not applicable (survey is with total coverage).

13.3 Non-sampling error

100% coverage is ensured.

14 Timeliness and punctuality

14.1 Timeliness

T+180 days.

14.2 Punctuality

Time difference of publishing the data (average monthly) = 0 days.

15 Coherence and comparability

15.1 Comparability - geographical

Data are produced on national level. Data comparability is ensured on international level.

15.2 Comparability - over time

Not applicable .

15.3	Coherence - cross domain
Time series of annual data from 1994. Number of reference periods in the time series - 25.	
15.4	Coherence - internal
It is not relevant.	
16	Cost and burden
<i>It is not</i> calculated	
17	Data revision
17.1	Data revision - policy
Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: (https://www.stat.gov.mk/ZaNas_en.aspx?id=25).	
17.2	Data revision - practice
Not relevant	
18	Statistical processing
Data on freshwater fish catch are collected with the statistical questionnaire "Annual report on freshwater fisheries" "(ZE.62). The companies fill in the data themselves and submit the questionnaires through the regional statistical departments to the SSO.	
18.1	Source data
The data for caught of freshwater fish are collected by the legal units - fishponds and fishing associations.	
18.2	Frequency of data collection
Annually	
18.3	Data collection
"The data for catch of freshwater fish are collected with the statistical questionnaire ""Annual report for freshwater fishing"" (ZE.62). The enterprises complete the data and send them to the State Statistical Office through the Regional Statistical Offices."	
18.4	Data validation
Data validation is preformed in accordance with the defined criteria for control. Data control is performed before and after data entry. If there are some deviations, the data providers are contacted. The data are also compared and analysed before their dissemination.	
18.5	Data compilation
Data editing: Obtained data from the enterprises, after the validation and eventual correction in consultation with data providers, are processed in an electronic media through the application with on-line controls incorporated.	

18.6 **Adjustment**

Data adjustment is not ensured.

19 **Comment**

A.1 **Annexes**

