

Reference Metadata in ESMS 2.0 structure

Statistical survey on fishing and aquaculture (fish breeding)

AFF_RIB.11_A_EN_2024_1

Reference Metadata in ESMS 2.0 structure

1	Contact
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
Department for agriculture, forestry, hunting and fishing and farm registers	
1.3	Contact name
Urim Abazi	
1.4	Contact person function
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
1.6	Contact email address
urim.abazi@stat.gov.mk	
1.7	Contact phone number
003892 3295-649	
1.8	Contact fax number
003892 3111336	
2	Metadata update
2.1	Metadata last certified
02/07/2024	
2.2	Metadata last posted
02/07/2024	
2.3	Metadata last update
02/07/2024	

3	Statistical presentation
3.1	Data description
Production from aquaculture excluding nurseries and hatcheries, employees in fisheries and aquaculture, data on the structure of the aquaculture sector, tools for commercial fishing, consumption of food and medicines in fishery, production of other aquaculture products, production of juvenile fish, commercial and recreational fishing, mortality of farmed fish and number of recreational fisherman.	
3.2	Classification system
<p><u>National classification of activities NKD Rev.2.1</u></p> <p><u>Nomenclature of agricultural products, forestry, hunting and fishing and related services (NZSRU)</u></p>	
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
<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>	

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, tones	
5	Reference period
Annual	
6	Institutional mandate
6.1	Legal acts and other agreements
<p>NATIONAL LEGISLATION</p> <p><u>Law on State Statistics</u> ("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 and "Official Gazette of the Republic of North Macedonia" No. 31/20),</p> <p><u>Programme of Statistical Surveys 2023-2027</u> ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25)</p> <p>EUROPEAN LEGISLATION</p> <p><u>Regulation (EC) No 762/2008</u> of the European Parliament and of the Council of 9 July 2008 on the submission by Member States of statistics on aquaculture and repealing Council</p>	

Regulation (EC) No 788/96 (Text with EEA relevance)	
6.2	Data sharing
Not applicable	
7	Confidentiality
7.1	Confidentiality - policy
<p>1. The protection of individual data is regulated by the <u>Law on State Statistics</u></p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the <u>Policy on Statistical Confidentiality</u>.</p>	
7.2	Confidentiality - data treatment
Pursuant to Article 38 of the <u>Law on State Statistics</u> and the <u>Policy on Statistical Confidentiality</u> , individual data are not published.	
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
<u>Release calendar</u>	
8.3	User access
All users have equal access to the statistical surveys: it means that release dates are published in advance and users have not access before their releasing. Statistical data first are published in the edition " <u>Releases</u> " on the web page of the Statistical office in the 12:00	
9	Frequency of dissemination
Annual	
10	Accessibility and clarity
10.1	News release
News Releases are published and they are available on the website of the SSO in the section: " <u>News Releases</u> ".	
10.2	Publications
<u>Statistical Yearbook</u> <u>Environmental statistics, 2022-2024</u> <u>Makstat Selection, 2024</u>	

10.3	On-line database
<p>MAKSTAT database:</p> <p>Total fish catch, by species and by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/200_Zem_mk_VkupUlovRiba_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Number of employees in fisheries and aquaculture, by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/205_Zem_mk_VrabRib_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Number of recreational fisherman, by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/210_Zem_mk_BrVrabRek_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Facility size of fisheries, by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/250_Zem_mk_GoleminaRibStopanstvo_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Production of juvenile fish, by species and by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/275_Zem_mk_ProizPodmladokRib_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Mortality of farmed fish, by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/300_Zem_mk_MortalitetRib_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p> <p>Consumption of food and medicines in fisheries, by years</p> <p>https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Zemjodelstvo_LovRibolov/325_Zem_mk_PotroshuvackaHranLekRib_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef</p>	
10.4	Micro-data access
<p>The use of microdata by external users is possible only for research purposes and is done in accordance with the <u>Law on State Statistics</u> (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office " <u>Rules for access to anonymised microdata for scientific research purposes</u> "</p>	
10.5	Other
<p>At the request of the users, the data are prepared in a form according to their needs.</p>	
10.6	Documentation on methodology
<p>Methodological explanations of fisheries</p>	

10.7	Quality documentation
Quality report from SSO to EUROSTAT	
11	Quality management
11.1	Quality assurance
<p>The quality of the products and services in the SSO is ensure with the guidelines of the <u>Code of Practice of the EU Statistics</u> and the <u>ESS Quality Assurance Framework</u> .</p> <p>Quality criteria are also described in the <u>State statistical law</u> in the Article 46 and 4v.</p> <p>The quality of the processes and products in the State Statistical Office is ensured by adhering to the <u>European Statistics Code of Practice</u> and the Quality Assurance Framework within the European Statistical System (ESS Quality Assurance Framework). The quality criteria are also determined in the <u>Law on State Statistics</u> in Article 4b and Article 4c.</p>	
11.2	Quality assessment
<p>The State Statistical Office carries out statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM). The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.</p>	
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
<p>Completeness of data at the national level = 100%.</p> <p>Completeness of data to Eurostat= 100%</p>	
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
All data are published according the Release calendar and timely sent to EUROSTAT	
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
Cross-domain data coherence is not ensured.	
15.4	Coherence - internal
Internal coherence of data is ensured, data are controlled and analyzed during the data entering and data processing.	
16	Cost and burden
Not calculated	
17	Data revision
17.1	Data revision - policy
Data revision is made in accordance with the <u>Statistical Data Revision Policy</u> of the SSO.	
17.2	Data revision - practice
No data revision is performed.	
18	Statistical processing
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 fisheries and aquaculture" (RIB.11). 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