



Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality report

*The price index for fishery and aquaculture
products in the Republic of Kazakhstan*

for 2018

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S.1 Contact details

S.1.1 Organization

Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan

S.1.2 Structural subdivision

Department of price statistics

S.1.3 Name of contact person

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S.2 Introduction - Relevance

Price statistics is a branch of economic statistics that studies the price behavior of entities in various sectors of the economy by monitoring the level of prices and their changes through a system of price indices.

Indicators of price statistics are used to assess the state of the market economy, the impact of price changes on the standard of living of the population and business activity.

The price index for fishery and aquaculture products characterizes the change in prices for products obtained as a result of the catch and sold through various marketing channels.

The purpose of constructing a price index for fishery and aquaculture products is to measure the average change in prices for products at the time of their sale. The price index for fishery and aquaculture products has been formed since 2010. The price index for fishery and aquaculture products is used for: re-evaluating the volume of fishery and fish farming products from actual prices to comparable prices and calculating volume indices; calculations of labor productivity in this type of activity and other economic and analytical calculations;

Implementation of economic monitoring, forecasting, comparisons carried out by government agencies and scientific organizations.

In the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, meetings of working groups (focus groups) are held, with the participation of users and respondents, representatives of interested government agencies, as well as NPP Atameken, which analyze in detail the indicators of national statistical forms for their relevance and avoidance of duplication with indicators of departmental statistical forms and forms of administrative data ”.

Feedback from users is carried out through the blog of the Minister of National Economy of the Republic of Kazakhstan on the website of the Ministry of National Economy of the Republic of Kazakhstan www.economy.gov.kz.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

S.3.2 Last Placement of Metadata

January 2020

S.3.3 Latest metadata update

January 2020

S.4 Presentation of statistical information

S.4.1 Data description

The price index for fishery and aquaculture products is formed on a quarterly basis for three months of the quarter (12 times a year) by types of products in the context of regions and the Republic of Kazakhstan.

The index is calculated in the following order. On the basis of price data, individual indices are calculated, reflecting the change in prices of one element of the studied population (a specific product, service).

The individual product price index is calculated using the Jevons formula, as the ratio of the unweighted geometric mean prices of two periods:

$$I_J = \frac{\sqrt[k]{\prod_{j=1}^k p_{jt}}}{\sqrt[k]{\prod_{j=1}^k p_{j,t-1}}}$$

Where

I - individual indices;

t, t-1 - respectively, reporting and previous comparison periods;

pt, pt-1 - price per unit of goods in the corresponding period;

j - type of goods, having a weight and which combines several specific representative goods (from one to k);

k - the number of products to be determining the kind of goods.

At all subsequent stages of constructing the price index for fishery, fishery and avoculture products, aggregate indices are used. The aggregated price index is a relative indicator that characterizes the change in prices for a separate subgroup, group or the studied phenomenon as a whole and is formed on the basis of individual price indices. Aggregated price indices by groups, subclasses, classes and higher by aggregation at the national level are calculated as weighted average values of individual price indices using the modified Laspeyres formula. Price changes are calculated based on successive price observations. At each time period, the basis weights are multiplied by the last value of the price index:

$$I = \frac{\sum_j \frac{P_n}{P_{n-1}} (P_{n-1} \times Q_0)}{\sum P_0 Q_0}$$

at
$$P_{n-1} Q_0 = P_0 Q_0 \times \frac{P_1}{P_0} \times \frac{P_2}{P_1} \times \dots \times \frac{P_{n-1}}{P_{n-2}},$$

Where:

I - price index for period n in comparison with the previous period n-1;

$\frac{P_n}{P_{n-1}}$ - individual price index by type of product for period n to period n-1;

$P_0 Q_0$ - weight (the cost of products sold in prices of the base period, used as a basis for constructing a weighing scheme);

$P_{n-1} Q_0$ - weight (cost of products sold in the reporting period);

$\frac{P_1}{P_0} \times \frac{P_2}{P_1} \times \dots \times \frac{P_{n-1}}{P_{n-2}}$ - product of individual price indices by type of product to the previous period.

The price index to December of the previous year is found by multiplying the individual price index of the reporting period by the price index of the previous period to December of the previous year:

$$I_{,d} = I_n \times I(n-1)_{,d},$$

where:

$I_{,d}$ - price index of the reporting period n to December of the previous year;

I_n - price index of the reporting period n to the previous period n-1;

$I(n-1)_{,d}$ - the price index of the previous period n-1 to December of the previous year.

S.4.2 Classification system

When constructing the price index for fishery and aquaculture products, the following main statistical classifiers are used:

- 1) KATO - Classifier of administrative-territorial objects;
- 2) SKPSH - Directory of products (services) of agriculture, forestry and fisheries, which are posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Classifiers" / "Reference books".

S.4.3 Sector coverage

The surveyed segment of the economy according to the current General Classifier of Economic Activities is represented by Section 03 - "Fishing and Fish Farming" of the Section "Agriculture, Forestry and Fisheries".

S.4.4 Statistical concepts and definitions

1) Observation of the level of prices for fishery and aquaculture products is carried out in accordance with the "Methodology for constructing producer price indices for agricultural, forestry and fishery products", which is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Methodology" / "Price statistics", and on the website www.adilet.zan.kz. In the Methodology for Constructing Producer Price Indices for products of agriculture, forestry and fisheries, the following definitions are used:

- a) aggregation - the combination of low-level economic indicators into larger populations at all subsequent levels;
- b) registration of prices - collection of primary statistical data on prices (tariffs) for goods and services during national statistical surveys;
- c) basic object - an object selected for observation and registration of prices in it;
- d) specification - a description or list of characteristics that are used to identify an individual product (services) selected for price registration;
- e) representative product (service) - a certain type of product in a commodity group, which differs in minor features (details) that do not affect the quality and basic consumer properties of goods (services) and are homogeneous in their consumer purpose;
- f) weighing - a procedure used in index calculations to obtain aggregated indicators and ensuring the commensurability of different goods that cannot be summed up directly;
- g) weighing scheme - a set of weights for specific types of products, goods, services, determined by all degrees of aggregation according to the standard classification;

h) sampling - individual items from approved classifiers, nomenclatures and reference books used in the collection and processing of statistical data;

2) National statistical observation of prices for fishery and aquaculture products is carried out on a sample of basic objects. A sampling method of observation (targeted sampling) is used to survey the prices of fishery and aquaculture products.

3) For the selection of types of fishery and aquaculture products, data from national statistical observation on the volume of fishery and aquaculture products for the year preceding the reporting year are used.

4) Data collection toolkit - a statistical form of national statistical observation "Report on prices for fishery and aquaculture products" (index 1-CP (fish), quarterly frequency).

5) The deadline for submission is up to the 25th day (inclusive) of the last month of the reporting period in accordance with the Plan of statistical works, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.

6) The statistical form is available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "For respondents" / "Statistical forms for 20__" / "Quarterly forms" / "1-CP (fish)".

S.4.5 Statistical entity

The statistical object in the field of fisheries and aquaculture are fishing enterprises, fish farms, fish hatcheries, small enterprises, as well as individual entrepreneurs who have permits for the use of wildlife and fish farming.

At the end of 2018, the sample set of basic objects amounted to 181 enterprises.

In 2018, the number of price quotations for 49 types of fishery and aquaculture products was 14,619.

S.4.6 General population (principle of selection of survey units)

The general population for compiling samples of basic objects is the data of the statistical agricultural register and the statistical business register, as well as primary statistical data from the survey of economic entities of the fishery, providing information on the value of products sold. The observation is carried out by a selective method.

S.4.7 Territorial coverage

All areas.

S.4.8 Time coverage

Prices for fishery and aquaculture products have been collected since 2010, there are time series from 2010 to the present.

S.4.9 Base period

The base period changes every five years.

In 2011-2015. - December 2010

In 2016-2020. - December 2015 etc.

S.5 Unit of measurement

Percent

S.6 Reporting period

quarter

S.7 Legal basis

S.7.1 Legal framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistics".
2. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.
3. Rules for the submission of administrative data by administrative sources on a gratuitous basis, approved by order of the acting Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 14, 2010 No. 183.
4. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.
5. Schedule for the dissemination of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.
6. Rules for the provision of statistical information on a gratuitous basis that is not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics of May 20, 2010 No. 113.

7. Rules for the provision and use of databases for scientific purposes in

de-identified, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

8. "Methodology for constructing producer price indices for agricultural, forestry and fishery products" approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan No. 308 dated December 9, 2016, registered with the Ministry of Justice of the Republic Kazakhstan No. 14663.

Available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Home" / "Methodology" /

“Price statistics” and on the website www.adilet.zan.kz.

S.8 Confidentiality and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the submitted data by respondents is ensured.

2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan dated October 29, 2015 ensures the protection of information constituting a commercial secret. Information security policy (hereinafter - the Policy), approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practical techniques in the field of information security. Security Committee. The main goal of the Policy is to ensure the availability of official statistical information, confidentiality of information stored and processed on the computer equipment of the Committee under the conditions of its integrity and authenticity.

S.8.2 Confidentiality - data handling

Rules for the provision and use of databases for scientific purposes in

de-identified, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.9 Publication Policy

S.9.1 Publication calendar

Clause 1, Clause 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257.

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the Main section // Basic documents.

S.9.2 Graph Access

Clauses 1 and 2 of Article 26 of the Law of the Republic of Kazakhstan The schedule of dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Home" // " Basic documents ".

S.9.3 User access

Official statistical information is subject to dissemination in accordance with the schedule for the dissemination of official statistical information and the scope of the statistical work envisaged in the plan.

State statistics bodies provide users with equal rights to simultaneous access to high-quality official statistical information and statistical methodology by posting them on the Internet resources of state statistics bodies (Website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz).

S.10 Frequency of propagation

quarter

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

No press release issued.

S.11.2 Publications

1) The statistical bulletin "Prices and price indices for fishery and aquaculture products in the Republic of Kazakhstan" contains data on indices and prices by types of products by periods: in the reporting period compared to the previous month, December of the previous year, the corresponding month and the corresponding period of the previous year across the republic and regions. 4 bulletins are published during the year. Published quarterly on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section Official statistics / By industries / Price statistics / Publications.

2) Annual statistical compilation "Prices in agriculture, forestry and fish farm "contains annual data on the level and changes in prices in dynamics (monthly, quarterly) by types of fishery and aquaculture products in the country and regions as a whole. Published annually on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section Official statistics / By industries / Price statistics / Publications.

S.11.3 Online databases

IAS "Taldau"

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency

Of the Republic of Kazakhstan according to statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.11.5 Miscellaneous

No

S.11.5.1 AC2. Metadata consultation

Not implemented.

S.12 Availability of Documentation

S.12.1 Methodology documentation

"Methodology for constructing producer price indices for agricultural, forestry and fishery products", approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated December 9, 2016 No. 308 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 14663. Available on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Methodology" / "Price statistics" and on the website www.adilet.zan.kz .

S.12.2 Quality documentation

1. Policy in the field of quality, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated April 23, 2015 No. 67.
2. Objectives in the field of quality Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Objectives in the field of quality of the relevant structural unit.
3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.
4. Standard methodology for describing the process of production of statistical information by state bodies, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 30, 2015 No. 53;
5. Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 23, 2018 No. 63.

S.13 Quality management

S.13.1 Quality assurance

The quality and reliability of price statistics data are maintained by generally accepted procedures:

- compliance with the basic principles of primary accounting;
 - use of standard statistical classifications of goods, products;
 - at the stages of collection and processing of primary data, all control schemes (format-logical, arithmetic) have been developed and implemented;
 - to confirm the reliability of primary data, the possibility of obtaining additional information from respondents is legally enshrined;
-
- rotation of sample sets of lists of goods, products, services and basic
 - annual revision of the weighing scheme;
 - the use of uniform formulas for calculating price indices at all levels of aggregation.

S.13.2 Quality assessment

Methodology for constructing a producer price index for agricultural products, forestry and fisheries was developed taking into account the principles and recommendations Producer Price Index Guidelines: Theory and Practice, prepared by the International Labor Organization, the International Monetary Fund, the Organization for Economic Co-operation and Development, the Statistical Office of the European Communities, the United Nations Economic Commission for Europe and the World Bank.

S.14 Relevance

S.14.1 Needs

The price index for fishery and aquaculture products meets the needs of a wide range of users, internal (sectoral divisions of statistics), external (government agencies, economists, government officials and financial and economic services of enterprises, organizations, scientific, business and bank workers, faculty, students, the media).

S.14.2 User satisfaction

A survey of users of official statistical information is carried out annually according to the questionnaire Q-002 "User survey".

S.14.3 Completeness / R1. Data completeness-share

For 2018, 49 types of products were selected for observation. 14619 price quotes participated in the observation. All this ensures the quality of the calculated price index.

S.15 Accuracy and reliability (to be filled in according to the type of observation)

S.15.1 Overall accuracy

The analysis of the accuracy and reliability of data on price indices for types of fishery and aquaculture products for the last five years was carried out using the coefficient of variation.

Coefficient of variation is a measure of the relative spread of a random variable. It shows what proportion is the average spread of a random variable from the average value of this quantity. The larger the value of the standard deviation, the relatively large the spread and less evenness of the studied values.

The coefficient of variation is calculated using the

formula:

$$C_V = \frac{SD}{\bar{X}} * 100\%,$$

where SD - standard deviation;

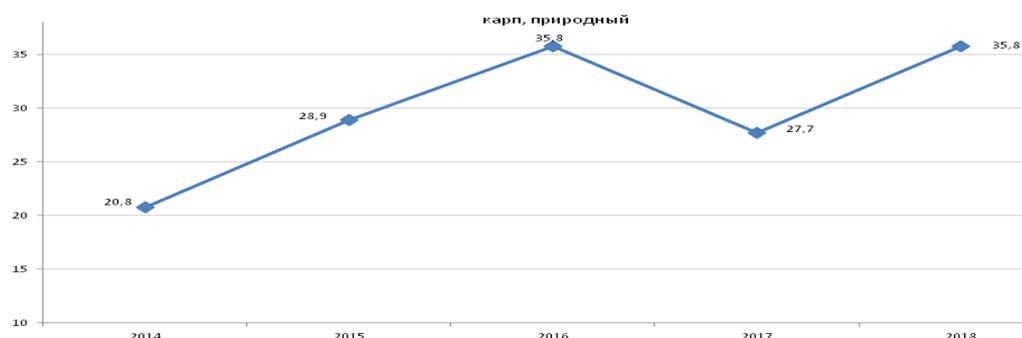
\bar{X} – average value.

The standard deviation is calculated by the formula:

$$SD = \sqrt{\frac{\sum_{i=1}^n (X_i - \bar{X})^2}{n-1}}.$$

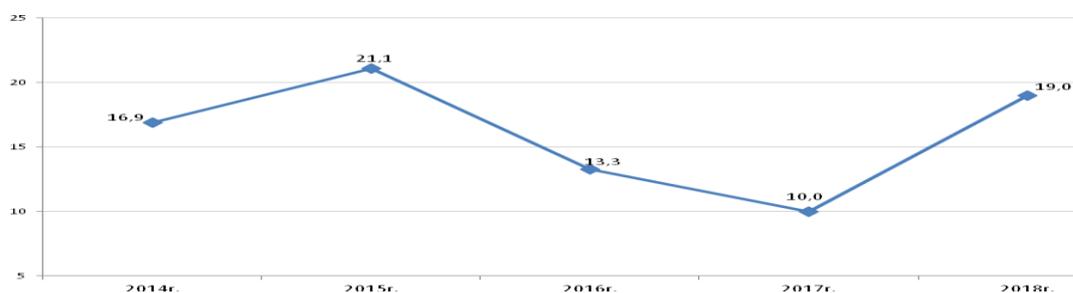
Coefficient of variation of average prices for natural carp in the Republic of Kazakhstan

in percents



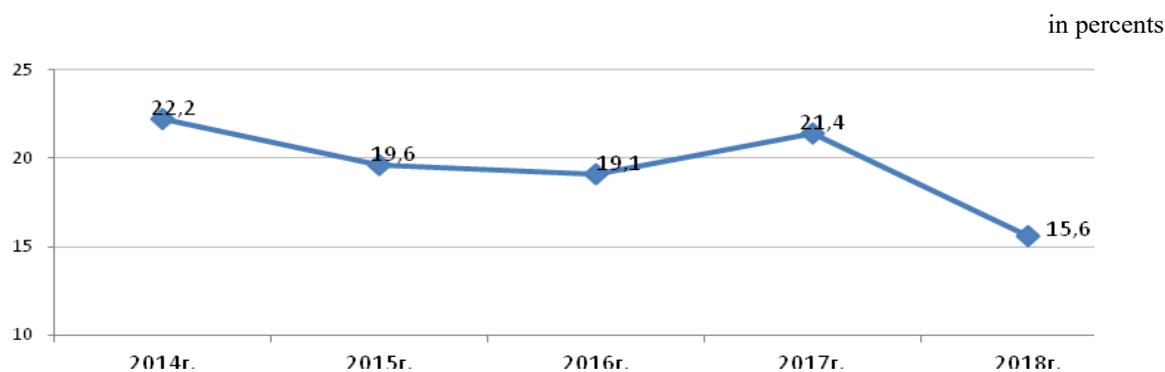
As the analysis of average prices for carp, natural from 2014-2018, showed, the data under study were heterogeneous. 2015 and 2018 saw the largest price swings.

Coefficient of variation of average prices for asp, natural in the Republic of Kazakhstan



Studied data for the period from 2014-2018. were heterogeneous. 2015 and 2018 saw the largest price swings.

Coefficient of variation of average prices for roach, ram, natural in the Republic of Kazakhstan



The studied data were more homogeneous in 2015-2016. 2017 saw the largest price swings. The range of prices between regions is associated with different geographic location and different conditions for catching fish products.

S.15.2 Sample errors - indicators / A1.

Cannot be estimated due to targeted sampling.

S.15.3 Non-sampling error

Errors not related to sampling are not calculated, since the absence of an answer corresponds to the absence of an implementation.

S.15.3.1 Coverage error

Cannot be estimated due to targeted sampling.

S.15.3.1.1 A2 Overcoverage-share

Cannot be estimated due to targeted sampling.

S.15.3.1.2 A3. Common units-ratio

Cannot be estimated due to targeted sampling.

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-fraction

Methods for replacing missing prices for types of products are applied in accordance with the Methodology for constructing a producer price index for agricultural, forestry and fishery products. The missing response rate is not calculated.

S.15.3.3.2 A5. No response-share clause

The calculation is not carried out.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The time spent on processing the first results, from the period of submission by respondents to the first publication, is on average 21 days.

The first results are published on the 17th of the month after the reporting period and are final.

The release dates were approved and published in the Statistical Work Plan, the Schedule for the dissemination of official statistical information.

S.16.1.2 TP2 Waiting Period - Latest Results

The first results are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published and disseminated in accordance with the Schedule for Dissemination of Official Statistical Information, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan. The terms of publication are set in the Plan of statistical work, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan and registered with the Ministry of Justice of the Republic of Kazakhstan.

Actual and planned dates coincide, there was no disruption to the publication dates for 2018. Release of publications is postponed to the next business day if the publication falls on weekends or holidays.

S.17 Comparability

S.17.1 Geographic comparability

Within the territory of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1

Not.

S.17.2 Length of comparable time series / CC2

The dynamic range of prices for fishery and aquaculture products has been comparable and continuous since 2010.

S.18 Consistency

S.18.1 Consistency, external, cross

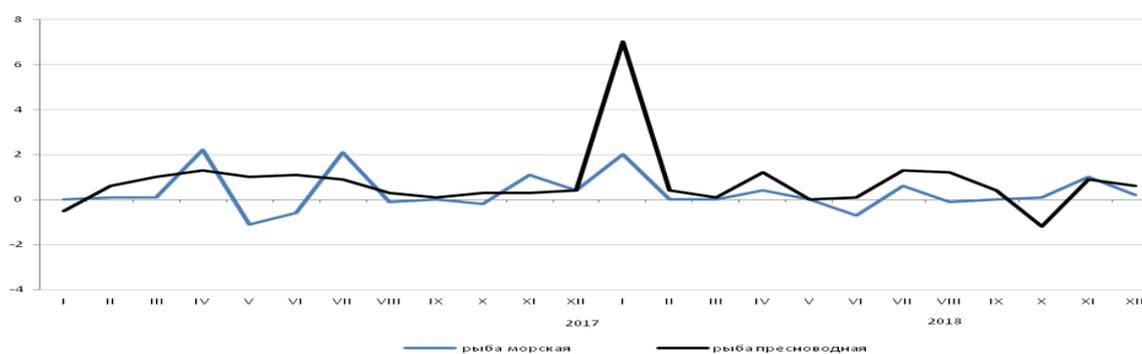
The main approaches to the methodology for collecting and calculating the price index are developed taking into account the principles and recommendations of the "Manual on the producer price index: theory and practice" published by the International Labor Organization, International Monetary Fund, Organization for Economic Cooperation and Development, By the Statistical Office of the European Communities, the United Nations and the World Bank (2004), adapted to the characteristics of the economy Republic of Kazakhstan.

S.18.2 Internal consistency

Changes in the prices of fishery and aquaculture products by species of marine and freshwater fish are consistent within the observation.

Changes in prices for fishery and aquaculture products

as a percentage of the previous month



S.19 Load

The collection of prices is carried out in electronic form and on paper at the request of the respondent.

Data collection is carried out online, in which automated arithmetic and logical controls are provided for the respondent, excluding the possibility of typical input errors.

At the end of 2018, the number of respondents was 181, of which about 85% report online.

Information processing processes are automated using local software systems, input and output controls are provided information, procedures for imputing missing data. There is no duplication with other examinations.

No administrative data or other sources are used.

S.20 Revision of data

S.20.2 Revision of data / A6

There has been no revision of the data since 2010.

S.21 Processing of statistical data

S.21.1 Input

The price index for fishery and aquaculture products is formed on the basis of data from national statistical monitoring of prices for fishery and aquaculture products (form 1-CP (fish)). Observation of changes in prices for fishery and aquaculture products is carried out using a sample of basic objects and products.

The construction of a price index for fishery products and provides for the formation of a weighing scheme reflecting the structure of aquaculture of the volume of sales of fishery and aquaculture products for the previous year. Using the weighing scheme, average prices for types of products and aggregate price indices for the region and the republic as a whole are calculated. Formation of the weighing scheme in the republic is carried out: at the level of types of products - as the sum of values by region; at the group level - as the sum of incoming, sequentially across all stages of aggregation. The generated weighing scheme is applied within one year.

S.21.2 Frequency of examination

quarter

S.21.3 Method (method) of collecting primary statistical data

The submission of the statistical form 1-CP (fish) "Report on prices for fishery and aquaculture products" is carried out on paper on purpose to the "One window" of the territorial statistical bodies, through postal communication services or in electronic format. Filling out the statistical form electronically is carried out through the information system "Online data collection" posted on the Internet resource Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan (<https://cabinet.stat.gov.kz/>) ...

S.21.4 Reliability of primary statistics

When entering primary statistical data, format-logical control of minimum and maximum price indices; comparison with the price level of the previous month, various output data controls are also laid.

In accordance with Article 17 of the Law of the Republic of Kazakhstan "On State Statistics", the respondent is obliged to provide reliable primary statistical data when conducting statistical observations in accordance with the schedule for submitting primary statistical data by respondents and with statistical methodology.

S.21.5 Imputation - share / A7

Imputation is carried out according to the Methodology for constructing producer price indices for agricultural, forestry and fishery products.

When registering prices for fishery and aquaculture products, there are cases of failure to provide information on certain representative goods due to a temporary lack of sales. During the reporting year, to ensure the continuity of the dynamic series of price indices, prices for temporarily absent representative goods are replaced by using "conditional" prices or by imputing prices for temporarily absent representative goods.

The method is using a “notional” price equal to the price of the previous month. The use of a "conditional" price at the level of the price of the previous month is carried out until the next fact of product sales.

The share of imputed data in 2018 to the total amount of data was 41.7%.

S.21.6 Correction

There are no statistical procedures and software used to adjust the time series.

S.21.6.1 Seasonal adjustment

Not implemented.

S.22 Notes

Continue work to ensure the quality of statistical data.