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

Quality report

Input-Output tables of the Republic of Kazakhstan for 2017

Content

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 National Accounts

S.1.3 Name of contact person

Smadyarova Ayimgul Sagingalievna

S.1.3.1 Name of the head of the responsible structural unit

Maldybaeva Gulmira Smagulovna

S.1.5 Postal address of the contact person
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House of Ministries, 4th entrance, e-mail: kazstat.rk@gmail.com

S.1.6 E-mail address of the contact person
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S. 1.7 Telephone number of the contact person

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S.2 Introduction-Relevance

The System of National Accounts (SNA) is a logically consistent, harmonious and coherent set of macroeconomic accounts, balance sheets of assets and liabilities, as well as tables,

which is based on a number of internationally agreed concepts, definitions, classifications and accounting rules.

The system of tables "Input-Output" of the Republic of Kazakhstan (IOT), being an integral part of the SNA, contains detailed characteristics of the production and use of goods and services, the features of the formation of gross value added, intermediate and final demand at the level of groupings of goods and services and allows for a macroeconomic analysis of these indicators at a more detailed level, complementing and expanding the capabilities of the SNA.

For the purposes of compiling the IOT, concepts, definitions and classification systems of statistical units, types of activities, products, used in international practice and accepted in the national economy, are used.

Currently, the relevance of the formation of IOT is due to the need for economic analysis, building a macroeconomic model for forecasting and forming a global value chain.

The main users are research institutions such as JSC "Institute for Economic Research", international organizations such as the Eurasian Economic Commission, the Organization for Economic Cooperation and Development.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

S.3.2 Latest placement of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Data description

Tables are formed at current prices: output at basic prices, imports of goods and services (at CIF prices), trade and transport margins, taxes and subsidies on products, total resources at buyer's prices, intermediate consumption, gross value added, exports of goods and services, final consumption of households, general government, non-profit institutions serving households, gross capital formation by product, total use at buyer and basic prices.

S.4.2 Classification system

General classifier of economic activities (NACE rev. 2).

Classifier of products by type of economic activity (CPA 2008).

The classifiers 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 "Classifiers" section.

S.4.3 Sectoral coverage

Non-financial sector.

Financial sector.

Public administration sector.

Household sector.

The nonprofit sector serving households.

S.4.4 Statistical concepts and definitions

IOTs are a collection of interrelated economic indicators that contain detailed characteristics of the production and use of goods and services, as well as income received in the production process.

IOTs are also called symmetric tables because they have the same column and row measurements. In national practice, a product-to-product IOT is formed. The product - product table characterizes which products are used in the production of other products.

Input-output analysis has become an economic tool, the costs of each of the industries indicated in the columns refer to the flow of its output, that is, for the release of one unit of output in each of the industries, a certain amount of each type of input is required. For analytical purposes, the ratios of direct and total costs are of particular importance, which are calculated using symmetric IOC in basic prices.

The basic principle for the formation of these tables is that the total amount of resources should be equal to the total volume of use of goods and services when the measurement is carried out at the same price:

Output + imports = intermediate consumption + exports + final consumption + gross capital formation.

The value composition of the GDP components in IOT is determined according to the following scheme:

Gross value added = Labor compensation + Other taxes on production - Other subsidies on production + Net profit or net mixed income + Consumption of fixed capital;

Gross Domestic Product = Gross Value Added + Product Taxes - Product Subsidies.

S.4.5 Statistical object

Goods and services.

Economic activities. Resources.

Using.

Final consumption.

Gross value added.

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

Not applicable.

S.4.7 Territorial coverage

Republic of Kazakhstan as a whole.

S.4.8 Time coverage

2001-2017 years.

S.4.9 Base period

S.5 Unit of measurement

Thousand Kazakh tenge
S.6 Reporting period
year
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. 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.
3. 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

S.8 Privacy and data protection

S.8.1 Privacy Policy
1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "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 No. 375-V ensures the protection of information constituting a commercial secret.
3. Information security policy (hereinafter referred to as 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 ensuring information security of the 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 Privacy-handling of data

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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 statistical work plan and the Schedule for the dissemination of official statistical information 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 "Home" / "Basic documents".

S.9.2 Access to the Graph

Simultaneous and equal access for all users to the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz.

S.9.3 User access

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

once a year

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Not published.

S.11.2 Publications

The statistical bulletin "Input-Output Tables of the Republic of Kazakhstan" is 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. Placed in the section Official statistical information (by industry) / National accounts - Integrated accounts.

S.11.3 Databases in on-line mode

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S.11.3.1 AC1. Data tables-consultation

Not implemented.

S.11.4 Microdata access

The dissemination of data collected for the preparation of official statistics is based on the requirements provided for in Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics", in accordance with which the confidentiality and protection of the submitted data by respondents is guaranteed.

Access to microdata and anonymity of microdata are governed by the Rules for the provision and use of databases for scientific purposes in a de-identified form, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

S.11.5 Other

IOTs are generated from supply and use tables. IOTs, as well as supply and use tables, are necessary for analytical and research work, and various macroeconomic models are built on their basis.

S.11.5.1 AC2. Metadata consultation

Not implemented.

S.12 Availability of Documentation

S.12.1 Methodology documentation

System of National Accounts, 2008 (published by the Commission of the

European Communities EUROSTAT, International Monetary Fund (IMF),

Organization for Economic Cooperation and Development (OECD), United

Nations (UN), World Bank)

https://unstats.un.org/unsd/nationalaccount/docs/SNA2008Russian.pdf

Guidelines for the Compilation and Analysis of Input-Output Tables (UN).

https://unstats.un.org/unsd/nationalaccount/docs/SUT_IOT_HB_wc.pdf

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 of the economy 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 data for national accounts statistics is supported by generally accepted procedures:

- formation in accordance with international recommendations to ensure the comparability of data in accordance with international standards;
- use of standard statistical classifications of goods, products, services;
- a comparative analysis of statistical data (in dynamics, with administrative data, intersectoral) is carried out.

S.13.2 Quality control

Bureau of national statistics carries out all statistical activities in accordance with the international model (generalized statistical business process model - GSBPM). GSBPM ensures that statistical information is fit for purpose and quality level required and is thus ready for use.

S.14 Relevance

S.14.1 Needs

Main users:

state bodies (Ministry of National Economy of the Republic of Kazakhstan and others);

research institutes (Institute for Economic Research and others);

international organizations (EAEC, OECD and others);

university teachers, students and others.

S.14.2 User Satisfaction

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S.14.3 Completeness / R1. Data completeness-share

In accordance with the international standard SNA2008.

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

S.15.1 Overall accuracy

The accuracy of the initial data is controlled by assessing the methodological soundness of data sources and adherence to methodological recommendations.

S.15.2 Sample errors - indicators / A1.

Not applicable.

S.15.3 Non-sampling error

Not applicable.

S.15.3.1 Coverage error

Not applicable.

S.15.3.1.1 A2. Overcoverage-share

Not applicable.

S.15.3.1.2 A3. Common units-ratio

Not applicable.

S.15.3.3 No response errors

S.15.3.3.1 A4.Absence unit-share

Unacceptably.

S.15.3.3.2 A5. No response-share clause

Unacceptably.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

Data are published 12 months after the reporting period (T + 12).

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 Statistical Work Plan approved by the order of the Minister of the Ministry of National Economy of the Republic of Kazakhstan and the 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.

S.17 Comparability
S.17.1 Geographic comparability
Not applicable.
S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1
Unacceptably.
S.17.2 Length of comparable time series / CC2

Since 2011, the TZV is formed in accordance with the Classifier of products by type of economic activity (KPVED, GK RK 04-2008), harmonized with the international classifiers NACE rev.2 and CPA 2008, respectively. According to the new classifiers, IOTs for 2001-2009 were recalculated into new classification codes.

S.18 Consistency
S.18.1 Consistency, external, cross
Not applicable.
S.18.2 Internal consistency
Not applicable.
S.19 Load

IOTs are formed by the staff of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan in Excel mode.
When forming these tables, departmental and administrative data are also used.

Revision of data
Duplication with other statistical work - no.
S.20.2 Revision of data / A6
Revision in cases of changes in the methodology, classifier.
S.21 Processing of statistical data
S.21.1 Input

The initial data for the formation of the IOT are the data of the tables of the tables "Resources - Use"
S.21.2 Inspection frequency

year

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

The results of national statistical observations were received in the form of an Excel table from the branch statistics departments and the RSE IVC.

Departmental and administrative data were obtained in the form of an Excel spreadsheet within the framework of existing joint orders on the exchange of information with government bodies, upon requests through the ESEDO and from the official websites of data sources.

S.21.4 Reliability of primary statistical data

In the process of verification, the results obtained are compared with the indicators of the accounts of production, education, use of income. Before data dissemination, consistency between the supply tables and the use tables is checked, to achieve the goal of achieving nominal discrepancies in the calculations of the indicators of the System of National Accounts, calculated by various methods, at a level not exceeding 2.6% in 2018.

IOTs are compiled and balanced at both basic prices and buyers' prices, i.e. estimated matrices of net taxes on products and matrices of trade and transport margins are formed. Also, IOTs of domestic and imported products are compiled.

S.21.5 Imputation - share / A7

Not applicable.

S.21.6 Correction

Not applicable.

S.21.6.1 Seasonal adjustment

Not applicable.

S.22 Notes

There is none.