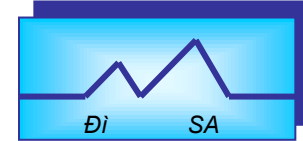


Применение инструментов модернизации в Армстате

Международный форум
«Цифровая трансформация национальных статистических систем»
6 - 7 ноября 2025 года, г. Астана, Казахстан

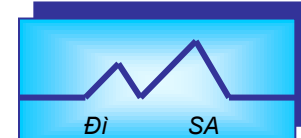
Анаит Сафян, Заместитель Президента Армстата, к. э. н.

Законодательный мандат/ Обеспечение качества



- Статистическое законодательство является ключевым условием для производства качественной официальной статистики, отвечающей потребностям пользователей.
- Закон Армении «Об официальной статистике» (2018 г.), который полностью соответствует GLOS (2016 г.).
- Стандарты национальной статистической системы Армении:

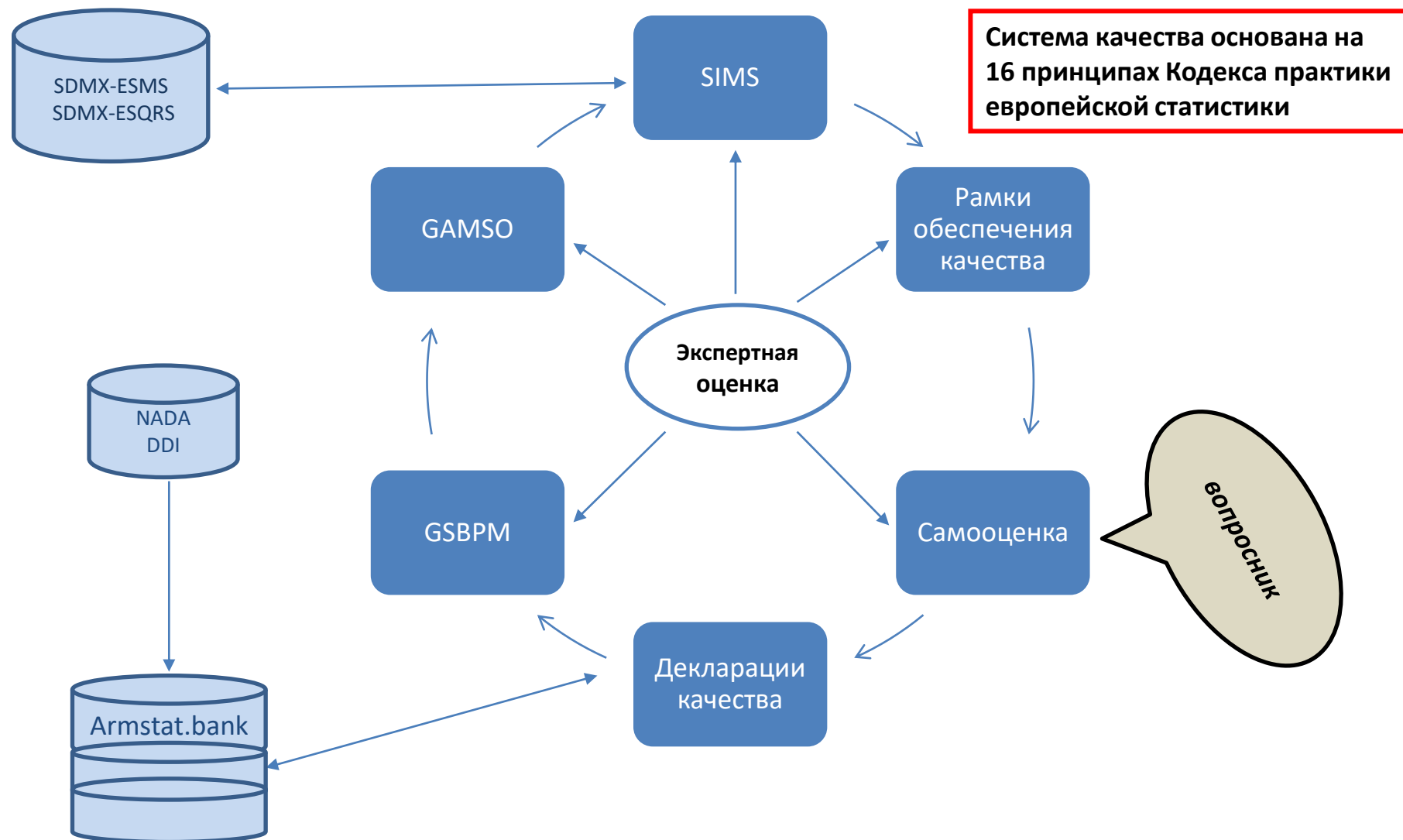




Краткая история

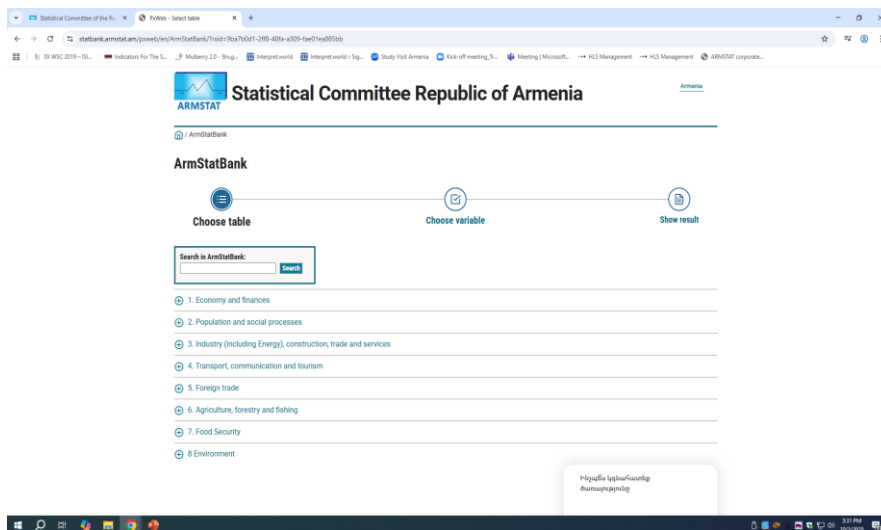


Ключевые элементы системы качества



Декларации качества

- 140 статистических продуктов документируются в соответствии с Европейской декларацией качества по 17 статистическим областям, <http://www.armstat.am/en/?nid=545>
- ✓ В декларации о качестве описывается нормативная база, цель и методология статистики, ее распространение и другая важная информация для пользователей статистики.



- ARMSTATBANK.AM связан с декларациями качества

Справочные метаданные (SIMS)

Thursday, 05 August 2021 Home Statistics Publications For Respondent About us

Home / Statistics / Metadata / Reference metadata / Metadata (ESMS)

Euro SDMX Metadata Structure (ESMS)

all - Economy and finance Population and social processes Industry, construction, trade and services Transport and tourism Foreign trade Agriculture, forestry and fishing Food Security Environment and energy

- 1. BUSINESS TENDENCY
 - 1.1. Business tendency survey for mining and manufacturing
 - 1.2. Business tendency survey for electricity, gas, steam and air conditioning supply and water supply, sewerage, waste management and remediation activities
- 2. CONSUMER PRICES
 - 2.1. Consumer Price Index (CPI)
- 3. ENTERPRISE FINANCES
 - 3.1. Financial enterprises (insurance enterprises, pension funds, credit institutions, pawnshop, investment companies)
 - 3.2. Demography of enterprises
 - 3.3. Financial and economic indicators of Non-financial enterprises
- 4. GOVERNMENT FINANCES
 - 4.1. Government finance statistics
- 5. NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT
 - 5.1. Indicator of economic activity

Documentation and Quality

Euro SDMX Metadata Structure (ESMS)

Consumer Price Index (CPI)

1 Contact	
1.1 Contact organisation	Armatat
1.2 Contact organisation unit	Price Statistics and International Comparisons Division
1.3 Contact name	Marlam Yerytsyan
1.4 Contact person function	Head of Division
1.5 Contact mail address	Government Building 3, Republic ave., Yerevan 0010, Republic of Armenia
1.6 Contact email address	price@armstat.am
1.7 Contact phone number	+374 11 664666
1.8 Contact fax number	+374 11 621921
2 Metadata update	
2.1 Metadata last certified	05.06.2021
2.2 Metadata last posted	05.06.2021
2.3 Metadata last update	05.06.2021
3 Statistical presentation	
3.1 Data description	The Consumer Price Index determines the change in the overall level of prices for goods and services in stable basket over time and determines the ratio of that value to the base period over the reporting period. The recorded prices are transaction prices actually paid by consumers, including all types of taxes, such as the Value Added Tax (VAT), excise tax, etc. The process of selecting the types of goods and services is implemented based on the data on monetary expenditures of the households survey by selecting the goods and services with the highest consumption. CPI describes the change in the general level of prices and tariffs for goods and services purchased by the population on an annual, quarterly, and monthly basis. CPI is one of the most important macroeconomic indicators used by state bodies to develop and implement monetary and financial policies, analyze, forecast and contain inflation factors in the economy, to resolve certain legal disputes, etc. CPI is the only indicator characterizing the inflation in the Republic of Armenia. CPI is used at current prices to recalculate macroeconomic indicators at comparable prices. https://www.armstat.am/file/Qualitvdoc/enq2_1.pdf https://www.armstat.am/file/model/enq2_1.pdf
3.2 Classification system	Classification of Individual Consumption by Purpose (COICOP), (Order N 876-N of Minister of Economy dated 19.09.2013, RA GO 01.07.2014, 161494)
3.3 Sector coverage	Consumer Price Index calculations include all types of resident households in the country's economic area, regardless of their income size. The CPI covers the part of goods and services acquired by households. CPI calculations do not include household expenditures abroad, non-resident household expenditures, as well as household expenditures for production needs.
3.4 Statistical concepts and definitions	The process of selecting the types of goods and services is implemented based on the data on monetary expenditures of the households survey by selecting the goods and services with the highest consumption. For the purpose of updating the list of goods and services, the observed outlets are regularly examined, expert assessments are given. The published data are: 1) Monthly - Indices (December of the previous year = 100), to long-term base period - Percentage change compared to the previous month, compared to the corresponding month of the previous year, on an annual basis, average annual, since the beginning of the ascending year - Weights by COICOP groups. 2) Annual - Annual inflation rates - Average annual inflation rates.
3.5 Statistical unit	Each published index or percentage change refers to the 'final monetary consumption expenditure' of all households in the country.
3.6 Statistical population	The main population is the final monetary expenditures of households in the country. The expenditures
19 Comment	

Download in SDMX 2.1 file format: SDMX-ESMS-Consumer Price Index (CPI)
Meta data Structure Definition in SDMX 2.1: ESMS MSD+ARMSTAT+2.0+SDMX 2.1.xml

Thursday, 05 August 2021 Home Statistics Publications For Respondent About us

Home / Statistics / Metadata / Reference metadata / Quality reports (ESQRS)

ESS Standard for Quality Reports Structure (ESQRS)

all - Economy and finance Population and social processes Industry, construction, trade and services Transport and tourism Foreign trade Agriculture, forestry and fishing Food Security Environment and energy

- 1. BUSINESS TENDENCY
 - 1.1. Business tendency survey for mining and manufacturing
 - 1.2. Business tendency survey for electricity, gas, steam and air conditioning supply and water supply, sewerage, waste management and remediation activities
- 2. CONSUMER PRICES
 - 2.1. Consumer Price Index (CPI)
- 3. ENTERPRISE FINANCES
 - 3.1. Financial enterprises (insurance enterprises, pension funds, credit institutions, pawnshop, investment companies)
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 - 3.3. Financial and economic indicators of Non-financial enterprises
- 4. GOVERNMENT FINANCES
 - 4.1. Government finance statistics
- 5. NATIONAL ACCOUNTS, GROSS DOMESTIC PRODUCT
 - 5.1. Indicator of economic activity
- 6. SUPPLY AND USE TABLES
 - 6.1. Quarterly national accounts: GDP by production and expenditure (use of income) approaches
 - 6.2. Annual accounts: GDP by production, income generation and expenditure approaches; Integrating the accounts; Gross (net) national
 - 6.3. Annual accounts of institutional sectors; Gross value added by subsectors of non-financial and financial corporations' sectors
 - 6.4. Supply and use tables

Documentation and Quality

ESS Standard for Quality Reports Structure (ESQRS)

Consumer Price Index (CPI)

1 Contact	
1.1 Contact organisation	Armatat
1.2 Contact organisation unit	Price Statistics and International Comparisons Division
1.3 Contact name	Marlam Yerytsyan
1.4 Contact person function	Head of Division
1.5 Contact mail address	Government Building 3, Republic ave., Yerevan 0010, Republic of Armenia
1.6 Contact email address	price@armstat.am
1.7 Contact phone number	+374 11 664666
1.8 Contact fax number	+374 11 621921
2 Statistical presentation	
2.1 Data description	The Consumer Price Index determines the change in the overall level of prices for goods and services in stable basket over time and determines the ratio of that value to the base period over the reporting period. The recorded prices are transaction prices actually paid by consumers, including all types of taxes, such as the Value Added Tax (VAT), excise tax, etc. The process of selecting the types of goods and services is implemented based on the data on monetary expenditures of the households survey by selecting the goods and services with the highest consumption. CPI describes the change in the general level of prices and tariffs for goods and services purchased by the population on an annual, quarterly, and monthly basis. CPI is one of the most important macroeconomic indicators used by state bodies to develop and implement monetary and financial policies, analyze, forecast and contain inflation factors in the economy, to resolve certain legal disputes, etc. CPI is the only indicator characterizing the inflation in the Republic of Armenia. CPI is used at current prices to recalculate macroeconomic indicators at comparable prices. https://www.armstat.am/file/Qualitvdoc/enq2_1.pdf https://www.armstat.am/file/model/enq2_1.pdf
2.2 Classification system	Classification of Individual Consumption by Purpose (COICOP), (Order N 876-N of Minister of Economy dated 19.09.2013, RA GO 01.07.2014, 161494)
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2.5 Statistical unit	Each published index or percentage change refers to the 'final monetary consumption expenditure' of all households in the country.
2.6 Statistical population	The main population is the final monetary expenditures of households in the country. The expenditures and purchases made by only RA resident households are included. CPI excludes: - data on residents' expenditures for entrepreneurial purposes or by government bodies - tax rates and loan payments
2.7 Reference area	The monthly observations of RA consumer goods (services) prices (tariffs) by the defined methodology are carried out in urban areas; Yerevan city and 10 cities of the Republic representing all 10 RA marzes.
12 Comment	

Download in SDMX 2.1 file format: SDMX-ESQRS-Consumer Price Index (CPI)
Meta data Structure Definition in SDMX 2.1: SDMX-ESQRS-MSD



Метаданные и структуры отчетности о качестве

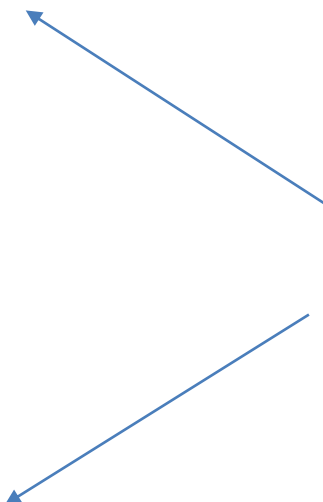
Euro SDMX Metadata Structure (ESMS)

- Стандарт отчетности о качестве, ориентированный на пользователя

ESS Standard Quality Report Structure (ESQRS)

- Стандарт отчетности о качестве, ориентированный на производителя

140 продуктов сгруппированы по 25 статистическим областям

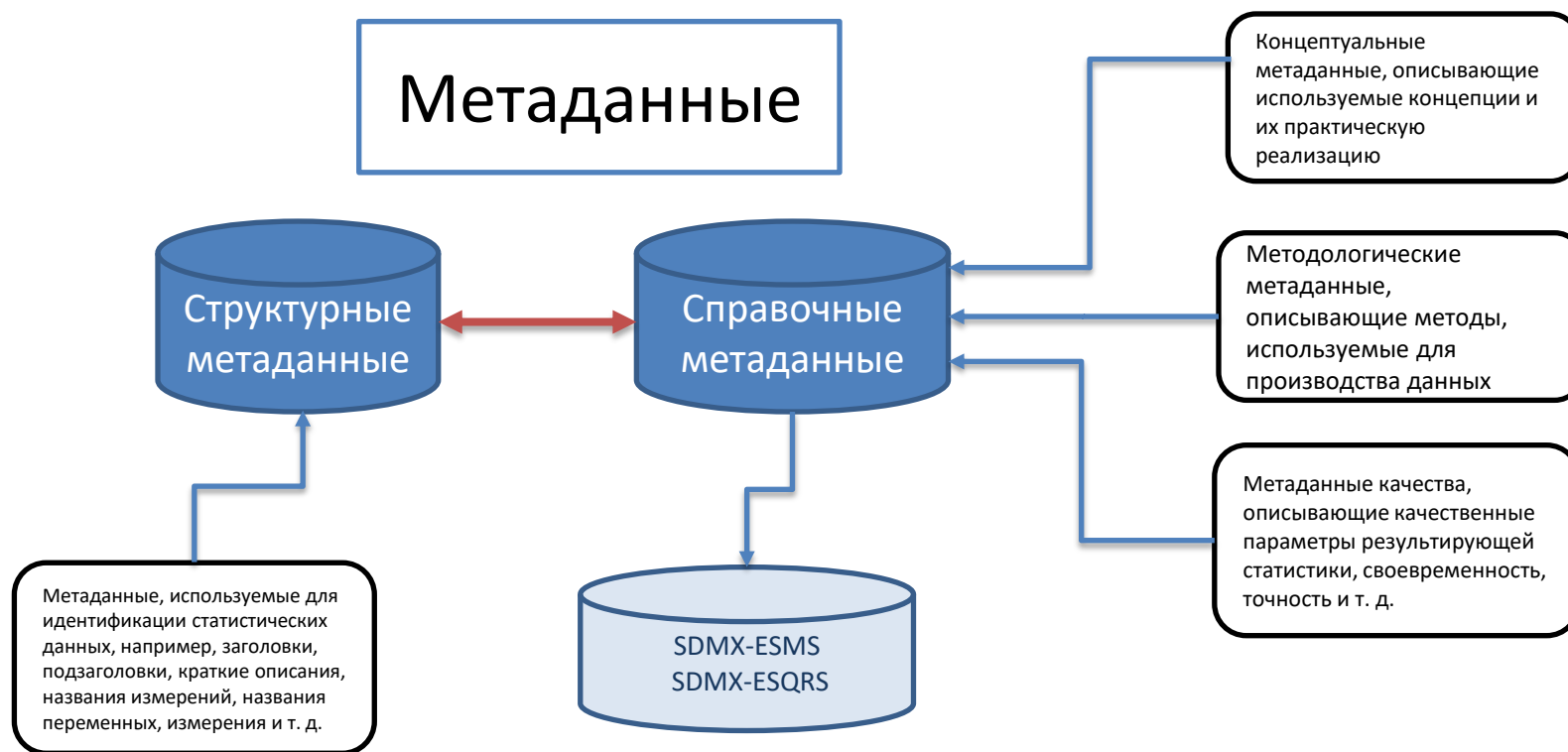
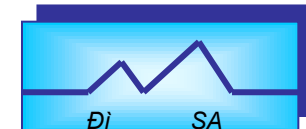


SDMX 2.1 standard in xml format: Metadata Structure Definition (MSD) and metadata (Data) for each product

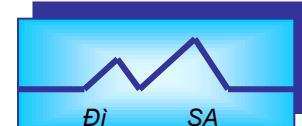


- Модули для SIMS в стандартах ESMS и ESQRS
- Раздел «Метаданные» (<https://www.armstat.am/en/?nid=828>)
Подраздел «Справочные метаданные»
- (<https://www.armstat.am/en/?nid=836>)
- Тренинги для отраслевых подразделений

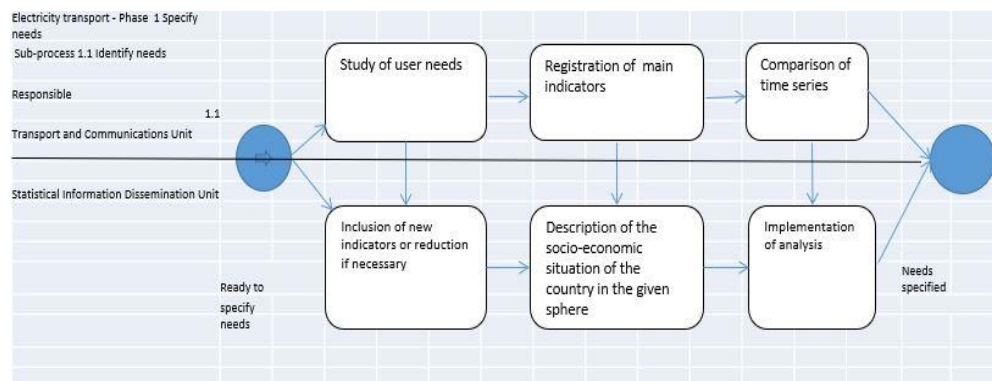
Система метаданных Армстата



GSBPM/Бассейн

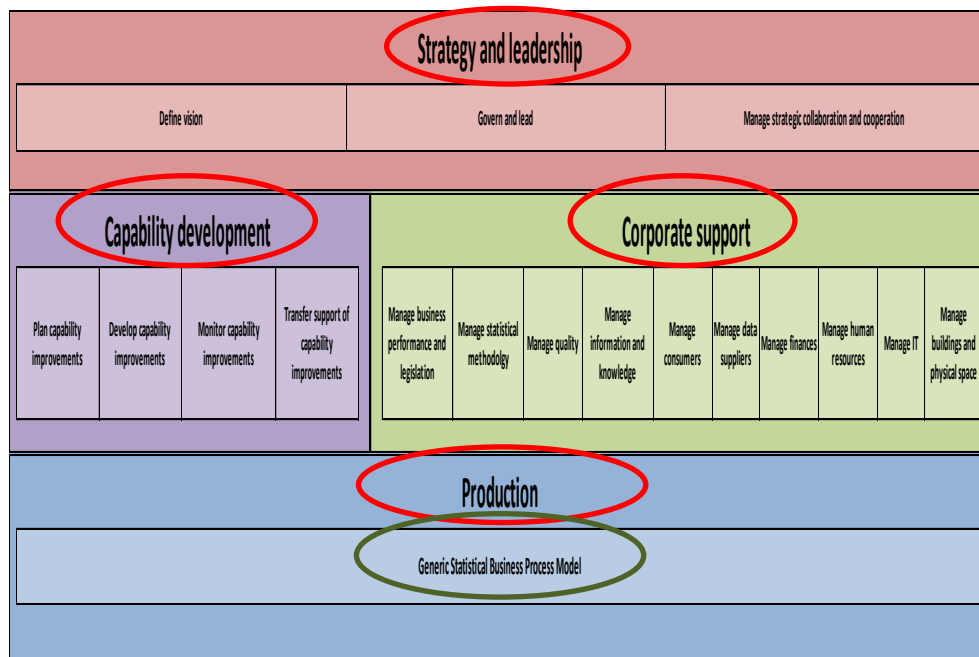


- 140 статистических продуктов документируются в соответствии с GSBPM, из которых 115 объединены в 32 группы (<http://armstat.am/ru/?nid=373>)
- 140 продуктов, задокументированных в соответствии с GSBPM, преобразованы в визуальный инструмент «Бассейн» (диаграммы) (<http://armstat.am/ru/?nid=373>)



GAMSO

- Проведен пилотный тест для картирования организации Армстата в соответствии с GAMSO



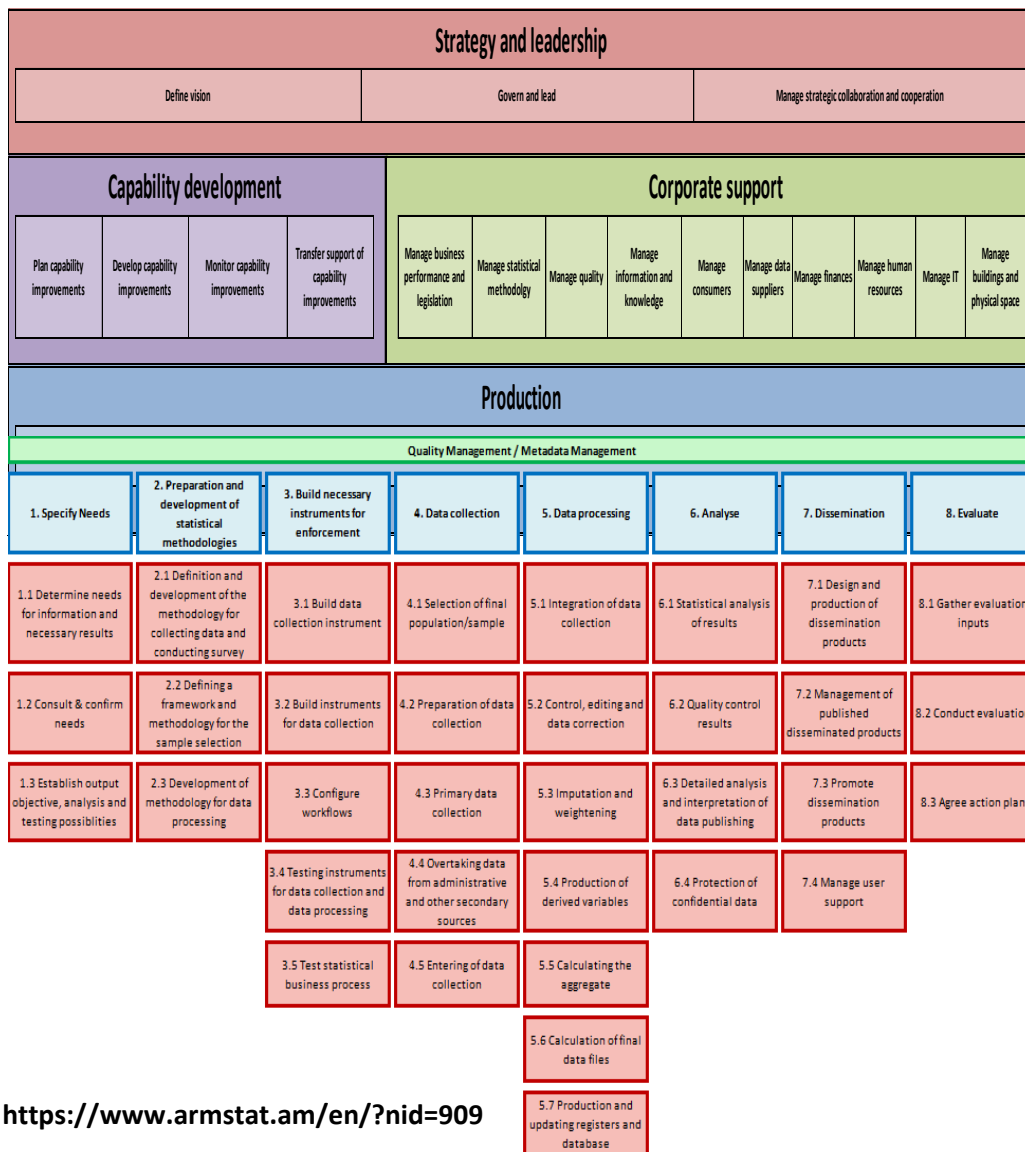
Generic Activity Model for Statistical Organisations (GAMSO) Version 1.2, January 2019

The Generic Activity Model for Statistical Organisations (GAMSO) was developed by the statistical community within the UNECE. It describes and defines the activities that take place within a typical organisation that produces official statistics. It extends and complements the Generic Statistical Business Process Model (GSBPM) by adding additional activities needed to support statistical production. The GAMSO describes activities – that is, what statistical organisations do – while the GSBPM describes the process – that is, how statistical organisations undertake the activity of statistical production (<https://statswiki.unec.org/display/GAMSO/>).

Activity	Types of activity	Description of the activity to be carried out
1. Strategy and Leadership	1.1. Define Vision 1.2. Govern and Lead 1.3. Manage Strategic Collaboration and Cooperation	These activities are the high-level strategic activities that enable the Statistical Committee (Armstat) to deliver the products and services needed by governments and communities nationally and internationally. The activities influence, shape and drive future directions and investments through the development and consideration of high-level strategies to develop organisational capabilities and the statistical product and service portfolio.
	1.1. Define Vision	These activities ensure that Armstat understands the environment in which it operates and the emerging issues it is confronted with, so that it is clear where it can provide independent, evidence-based information, as well as statistical standards and infrastructure, for use by governments and the broader community. Based on this, Armstat determines its high-level goals and directions, including the values which will guide it, so Armstat sets its statistical programmes accordingly. This also includes communicating the mission, values and expectations internally and externally, to lead and inspire staff and to increase government and community trust and confidence in Armstat and in official statistics in general. These include: <ul style="list-style-type: none"> Understand national and international directions and factors Determine vision, mission and strategic goals Determine organisational value proposition Determine and communicate values and expectations

- Секторный обзор внедрения GAMSO, проведенный экспертами ЕЭК ООН, Италии и Венгрии, 18–20 октября 2022 г. (<https://www.armstat.am/file/doc/99533528.pdf>)

GAMSO и GSBPM



<https://www.armstat.am/en/?nid=909>

Диаграмма, объединяющая GAMSO и GSBPM

Area	Activity	Implementation How the activity is implemented in Armstat	Units				Process settings			Quality, risks and skills			Any other criteria needed for Armstat	
			Name of the unit (or person) / If there is more than one, indicate all / If there is none, leave it blank				Input (processes, information, reports, legal documents, internal regulations, guidelines, etc.)	Output (processes, information, reports, legal documents, internal regulations, guidelines, etc.)	IT application/system	Quality considerations	Risks	Skills needed		
		Accountable organizational unit Responsible organizational unit Does the unit perform the task or deliverable before it is deemed complete	Consulted organizational unit Provides input based on how it will impact their project work or their domain of expertise on the deliverable task	Informed organizational unit Keeps to be kept in the loop in projects, writes their input based on input of every deliverable										
Strategy & leadership	Define vision	Understand national and international best practices and standards Develop vision, mission and strategic goals Develop organizational values and principles Develop and communicate values and expectations Develop times and awareness	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
	Govern and Lead	Develop strategic vision, mission and strategic goals Develop organizational values and principles Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
	Manage strategic collaboration & cooperation	Understand national and international best practices and standards Develop vision, mission and strategic goals Develop organizational values and principles Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
Capability management	Plan capability improvements	Identify gaps and needs for capability improvements Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
	Develop capability improvements	Identify gaps and needs for capability improvements Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
	Monitor capabilities	Identify gaps and needs for capability improvements Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
Support	Support capability implementation	Identify gaps and needs for capability improvements Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			
	Manage business performance & legislation	Identify gaps and needs for capability improvements Develop and communicate values and expectations Develop times and awareness Develop and communicate values and expectations Develop and communicate values and expectations	State Council on Statistics	State Council on Statistics	Public Council on Users	State Council on Statistics	National statistical and international guidelines UN Fundamental Principles of Official Statistics European Statistical Code of Practice Principles Council on Statistics	Decisions of the Government Decisions of the State of Practice Principles Decisions of the Government Decisions of the State of Practice Principles	MS Word	Clear, concise, understandable, and actionable Strategic vision, mission and values External and internal communication	Any other criteria needed for Armstat			

Следующие шаги

- Усовершенствование



GSBPM



GAMSO

- ✓ Связать GSBPM с SIMS ? ?
- ✓ Внедрить GeoGSBPM ?

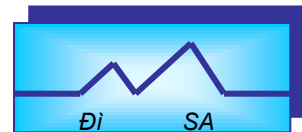
- Внедрение

Обучение по GSIM,
эксперты ЕЭК ООН, INSEE, Istat,
25-27 ноября 2025 г.



CSPA





Спасибо за внимание!



Армстат

Республика Армения, г. Ереван, 0010,
Дом Правительства, пр. Республики, 3
Телефон: (37411) 524 213

Электронная почта: info@armstat.am

<http://www.armstat.am>;

www.armstatbank.am