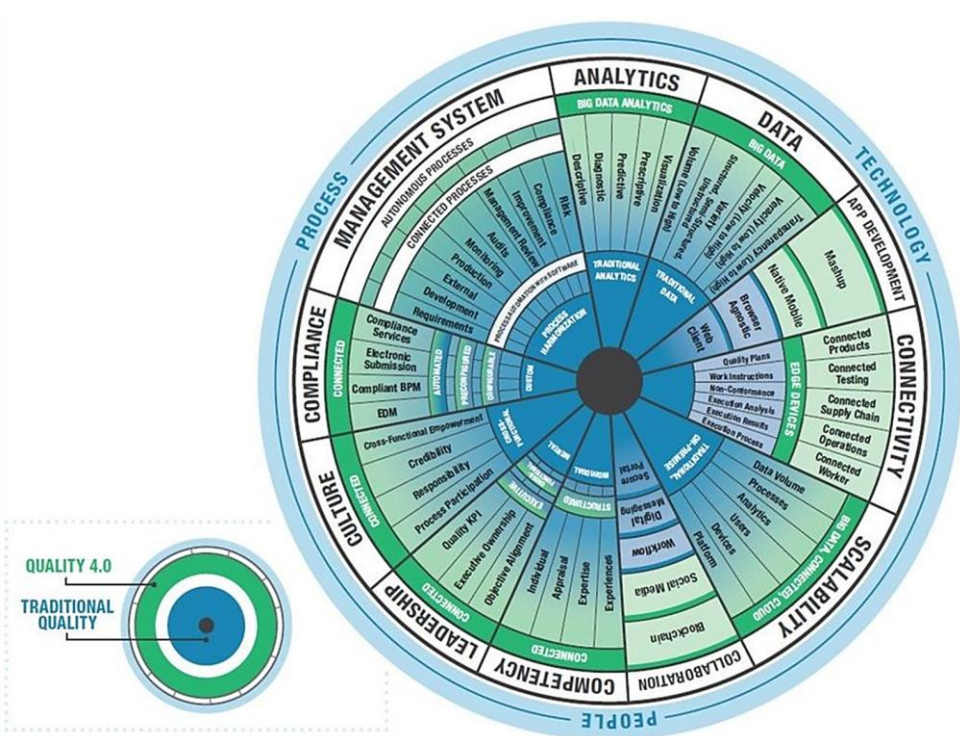




Digital transformation of statistics as the element of data quality assurance

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Chairman of the National Statistical Committee of the
Kyrgyz Republic

Astana, 6-7 November 2025



New role of statistics in the data ecosystem



Increase of the **efficiency and timeliness** of data for effective decision making!



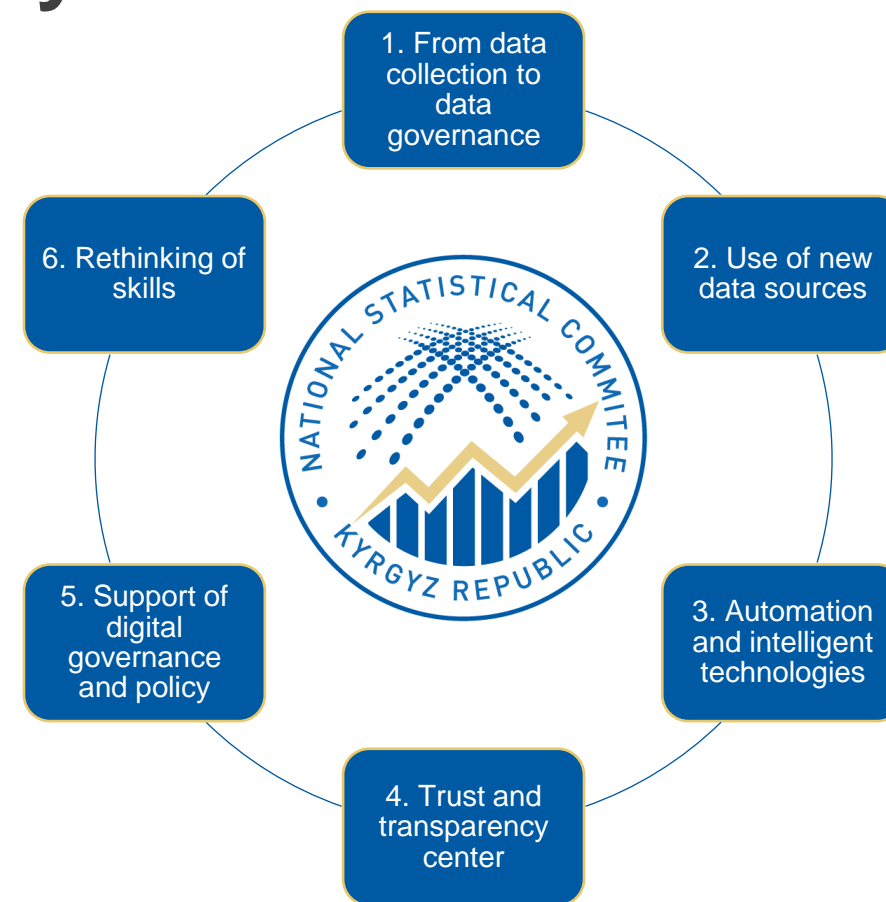
The level of **data disaggregation**: relevance of data for the local level. Collection and processing of data at the level of local government bodies and settlements covering a wide range of social, economic, and environmental issues;



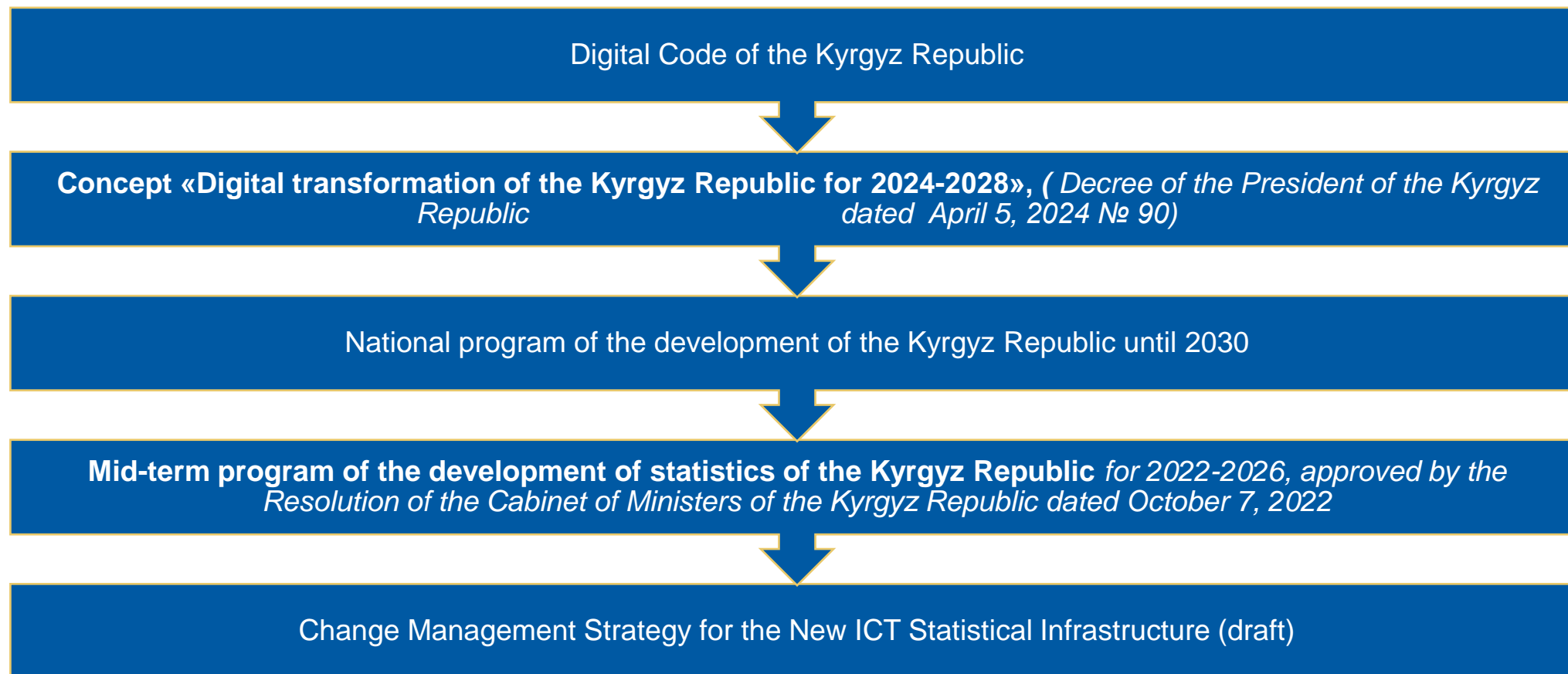
Ensuring **«reliable data quality»**: faced with an ever-growing (and overwhelming) flow of data, users expect the NSC KR to eliminate the noise related to the large volume of primary data;



Enlarge the set of **new services and products** in the field of data in partnership with government bodies, science, civil society, business and citizens as a whole.



Digital transformation frameworks



• Key tasks and principles of digitalization •

Tasks

Step-by-step approach

Interaction with stakeholders

Capacity building

Compliance with international standards

Ensuring sustainability

Principles

Compatibility

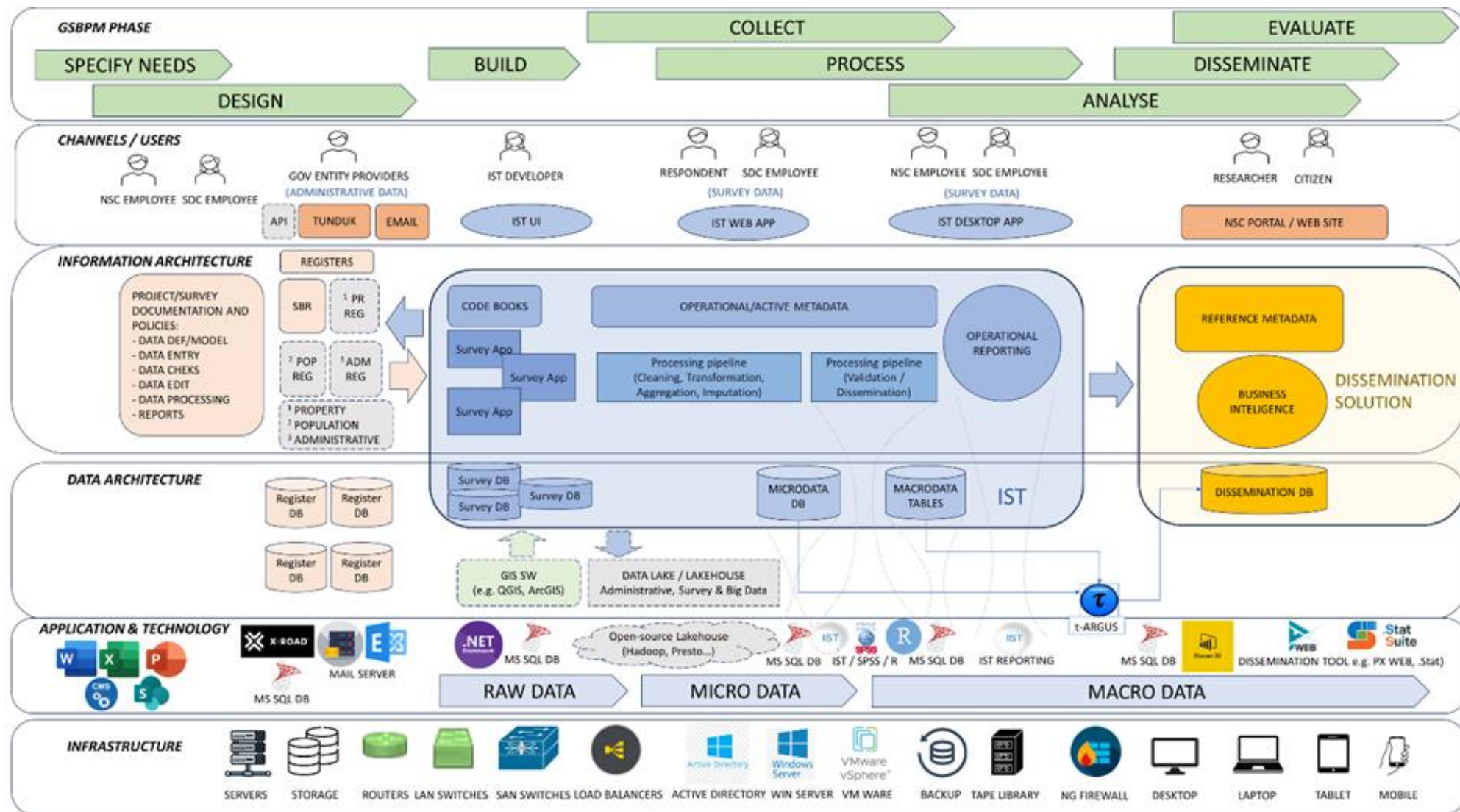
Scalability

Security and confidentiality

Phase-by-phase implementation

Capacity building

IT- Architecture



Official statistics quality management system

Кыргызча Русский English

Национальный статистический комитет
Кыргызской Республики

Главная / О комитете / Статистика / Публикации / Отчетность / Услуги / Обращения граждан / Open Data / Пресс-центр / Исследования и проекты

Итоги интерактивного Опроса удовлетворенности пользователей статистической информации

ОФИЦИАЛЬНАЯ СТАТИСТИКА

Ежемесячный обзор
Социально-экономическое положение КР

Мониторинг цен
Средние цены на потребительские товары

Прожиточный минимум
Установленный прожиточный минимум

Email-подписка

Ваш Email-адрес

Подписаться

Главная / О комитете / Качество официальной статистики

Качество официальной статистики

В Законе об официальной статистике Нацстатком заявляет о своей приверженности концепции качества, где отведена специальная глава посвященная вопросу качества. Кроме того, Нацстатком принял декларацию о качестве и политику в области качества. На более детальном уровне Нацстатком регулярно оценивается на предмет использования рамок обеспечения качества по Национальным базовым принципам обеспечения качества официальной статистики ООН (UN NQAF), а также проводятся обновления на основе рекомендаций внешних экспертов. Статистические процессы в Нацстаткоме выполняются с использованием международной Типовой модели процессов статистической информации (ТМПСИ/GSBPM) и ее конкретных описаний для всех подпроцессов. Нацстатком регулярно составляет метаданные и отчеты о качестве на основе Единой интегрированной структуры метаданных (SIMS 2.0).

- Декларация качества НСК
- Политика качества НСК
- Руководство Организации Объединенных Наций по национальным базовым принципам обеспечения качества официальной статистики
- Типовая модель производства статистической информации v5.1 (ТМПСИ)
- Единая интегрированная структура метаданных
- Руководство по заполнению отчета качества на основе Единой интегрированной структуры метаданных (SIMS 2.0)

Результаты интерактивного опроса удовлетворенности пользователей статистической информации

ОТЧЕТЫ НА ОСНОВЕ ЕДИНОЙ ИНТЕГРИРОВАННОЙ СТРУКТУРЫ МЕТАДАННЫХ (SIMS 2.0)

- Единая интегрированная структура метаданных статистики внешней торговли (SIMS 2.0)



Official statistics quality declaration

The National Statistical Committee declares its commitment to be guided by the United Nations fundamental principles of quality management, such as user orientation, leadership, approach to quality management as a process of interaction between producers and users, a desire for continuous improvement of works, decision-making based on objective information, and relationship management with all stakeholders



Policy on official statistics quality assurance

The National Statistical Commission, as the coordinating body, ensures compliance with obligations within the entire national statistical system, aimed at users of official statistics:

1. Statistical system management
2. Institutional environment management
3. Statistical processes management
4. Statistical products management

Unified integrated metadata structure (SIMS) v.2.0

The overall objective of the Guideline on Quality Assurance Reports and Metadata is to provide the guidance on preparation of quality reports for the full range of statistical processes and their outputs.



19 concepts, 86 subconcepts

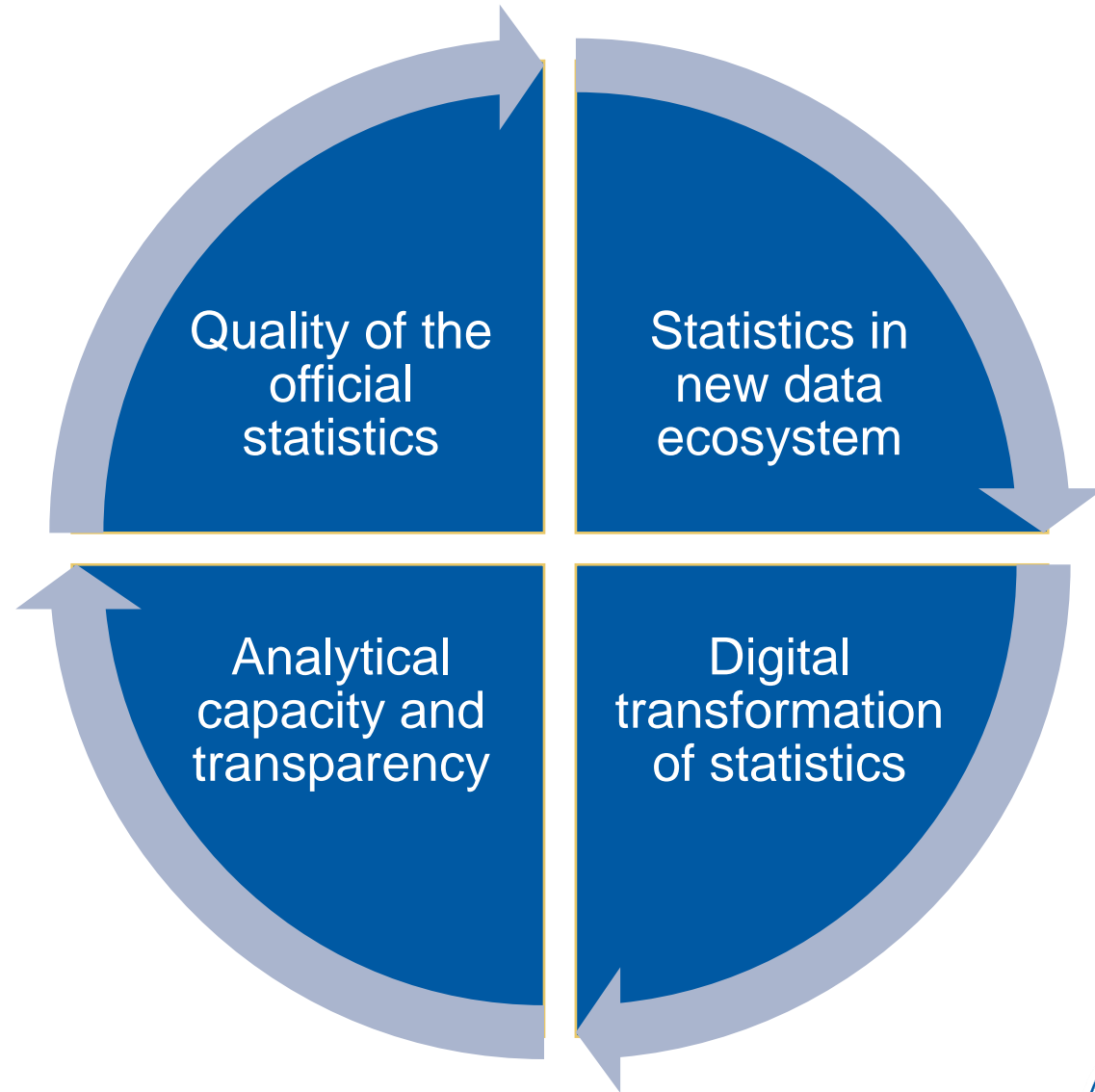
- In July 2023, the NSC quality team completed training on implementation of SIMS and based on the schedule of statistical works for 2024 started its implementation.
- Statistical branch divisions started to describe the first group of SIMS concepts in August 2023, and in winter 2024 described the second group of SIMS concepts.
- Template of description of the statistical processes within the Norwegian and PARIS 21 projects, SDG Metadata.
- 211 reports for each statistical work were prepared in accordance with the SIMS standard and published on the NSC website in February 2025.

Item No	Concept name	Item No	Concept name	Item No	Concept name
S1	Contact	S103.1	AC1: Data tables - consultations	S153	Coherence - cross domain
S1.1	Contact organization	S104	Store-data access	S153.1	Coherence - sub national and national statistics
S1.2	Contact organization type	S105	Other	S153.2	Coherence - National Accounts
S1.3	Contact name	S105.1	AC2: Metadata - consultations	S154	Coherence - internal
S1.4	Contact person function	S106	Documentation on methodology	S16	Cost and burden
S1.5	Contact email address	S106.1	AC3: Metadata completeness - rate	S17	Data revision
S1.6	Contact email address	S107	Quality documentation	S17.1	Data revision - policy
S1.7	Contact phone number	S11	Quality management	S17.2	Data revision - practice and AS: Data revision - average size for U
S1.8	Contact fax number	S11.1	Quality assurance	S17.2.1	AS: Data revision - average size for P
S2	Metadata update	S11.2	Quality assurance	S18	Statistical processing
S2.1	Metadata last certified	S12	Relevance	S18.1	Source data
S2.2	Metadata last period	S12.1	User needs	S18.2	Frequency of data collection
S2.3	Metadata last update	S12.2	User satisfaction	S18.3	Data collection
S3	Statistical presentation	S12.3	Completeness and R1: Data completeness - rate for U	S18.4	Data validation
S3.1	Data description	S12.3.1	R1: Data completeness - rate for P	S18.5	Data compilation
S3.2	Classification system	S13	Accuracy and reliability	S18.5.1	AT: Imputation - rate
S3.3	Factor coverage	S13.1	Overall accuracy	S18.6	Adjustment
S3.4	Statistical concepts and definitions	S13.2	Sampling error and A1: Sampling errors - indicators for U	S18.6.1	Statistical adjustment
S3.5	Statistical unit	S13.2.1	A1: Sampling errors - indicators for P	S19	Comment
S3.6	Statistical population	S13.3	Non-sampling error and A4: Unit non-response - rate for U and A1: Unit non-response - rate for U		
S3.7	Reference area	S13.3.1	Coverage error		
S3.8	Time coverage	S13.3.1.1	A1: One coverage - rate		
S3.9	Base period	S13.3.1.2	A3: Coverage ratio - proportion		
S4	Unit of measure	S13.3.2	Measurement error		
S5	Reference period	S13.3.3	Non-response error		
S6	Institutional mandate	S13.3.3.1	A4: Unit non-response - rate for P		
S6.1	Legal acts and other agreements	S13.3.3.2	A5: Data non-response - rate for P		
S6.2	Data sharing	S13.3.4	Processing error		
S7	Confidentiality	S13.3.5	Model acceptance error		
S7.1	Confidentiality - policy	S14	Timeliness and punctuality		
S7.2	Confidentiality - data treatment	S14.1	Timeliness and TPI: Time lag - final results for U		
S8	Release policy	S14.1.1	TPI: Time lag - final results for P		
S8.1	Release calendar	S14.1.2	TPI: Time lag - final results for P		
S8.2	Release calendar access	S14.2	Punctuality and TPI: Punctuality - delivery and publication for U		
S8.3	User access	S14.2.1	TPI: Punctuality - delivery and publication for P		
S9	Frequency of dissemination	S15	Coherence and comparability		
S10	Accessibility and clarity	S15.1	Comparability - geographical		
S10.1	News release	S15.1.1	CC1: Accessibility for minor flows statistics - coefficient		
S10.2	Publications	S15.2	Comparability - over time and CC2: Length of comparable time series for U		
S10.3	On-line database	S15.2.1	CC2: Length of comparable time series for P		

ENCM 2.0



Key directions





Thank you for attention!