NATIONAL STATISTICAL COMMITEE
OF THE REPUBLIC OF BELARUS

# CONCEPTUAL DIRECTIONS OF INTEGRATION OF INFORMATION RESOURCES IN STATISTICS

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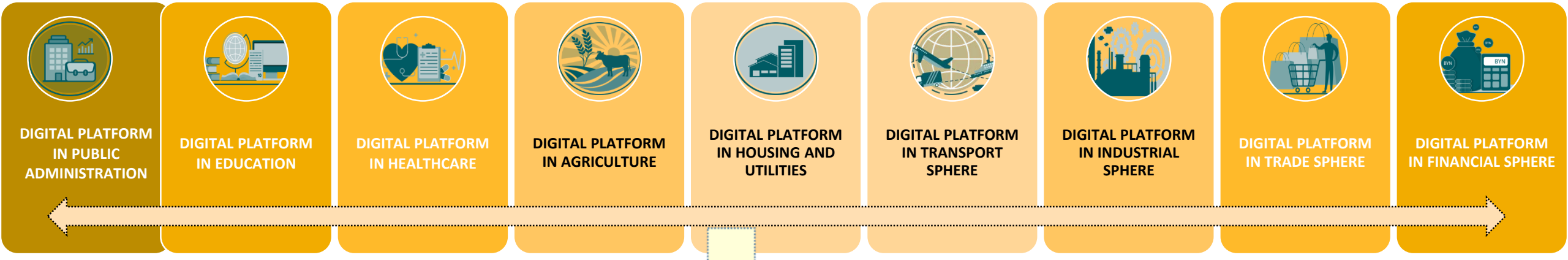
# DIGITAL DEVELOPMENT IN THE REPUBLIC OF BELARUS

2021 – 2030




**NAIS**

# INFORMATION RESOURCES (SYSTEMS) OF BELSTAT

2024

## Data collection

- Integrated information system of state statistics (IISSS)
- Complexes of software and hardware for conducting sample surveys (CSH)
- Inter-agency electronic document management systems

## Data processing and analysis

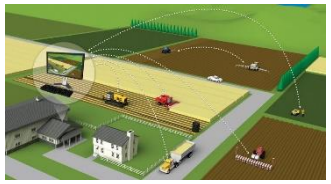
- IISSS
- Information-analytical system of foreign trade statistics (IAS FTS)
- Subsystem of data storage and processing of the automated information system of the population census
- Complexes of software and hardware tools by statistical domains (CSH)
- Application toolkit:
- *SPSS*
- *Statistica*
- *Stata 16*
- *R software environment*
- *MS Excel , etc.*

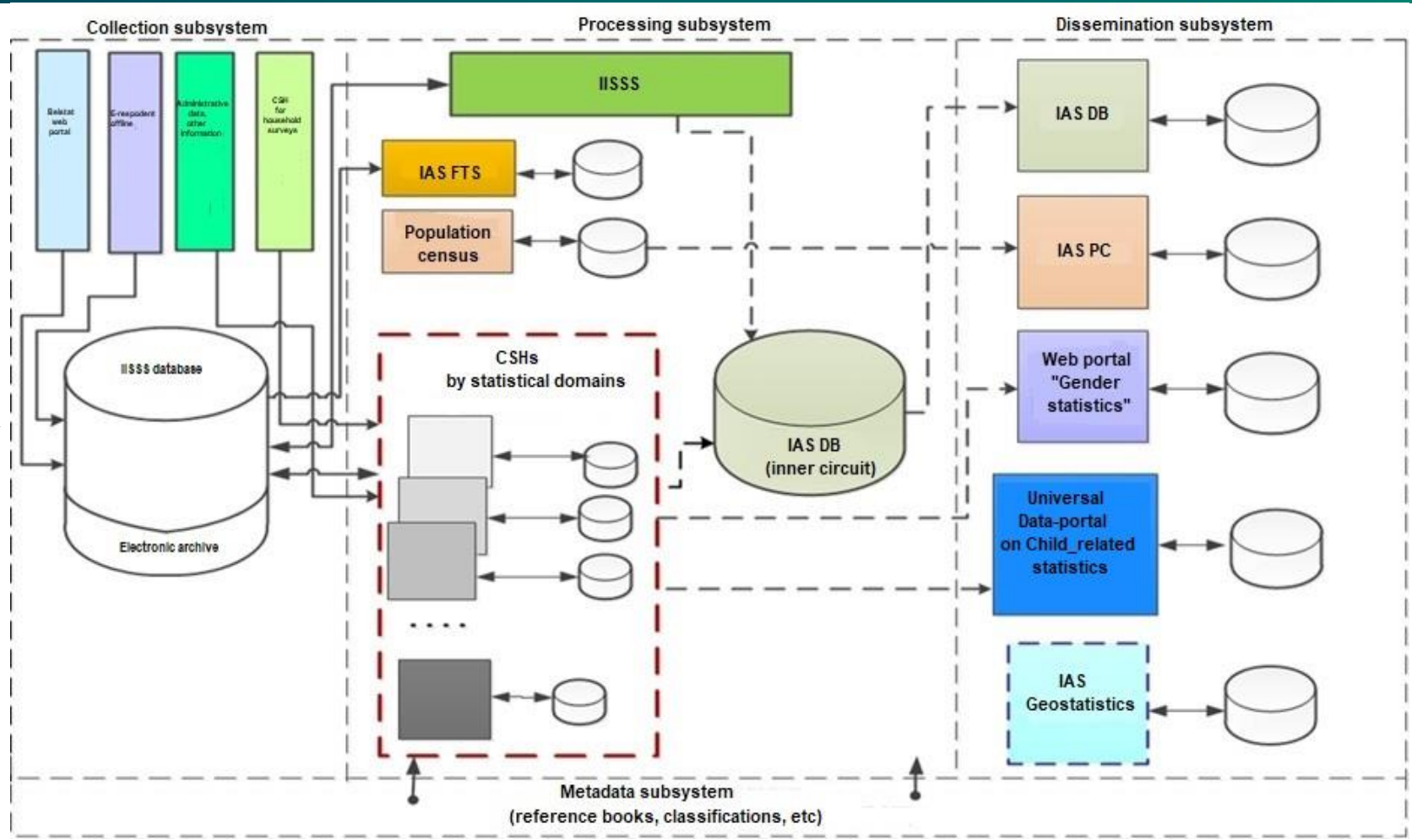
## Dissemination and presentation of official statistical information

- Interactive information and analytical system for dissemination of official statistical information (IAS DB)
- Official website of the National Statistical Committee
- Information-analytical system “Population censuses data”
- Information system “Gender Statistics Web Portal”
- Universal Data-Portal on Child-Related Statistics
- National Reporting Platform for Sustainable Development Goals

# CONTEMPORARY CHALLENGES

2024





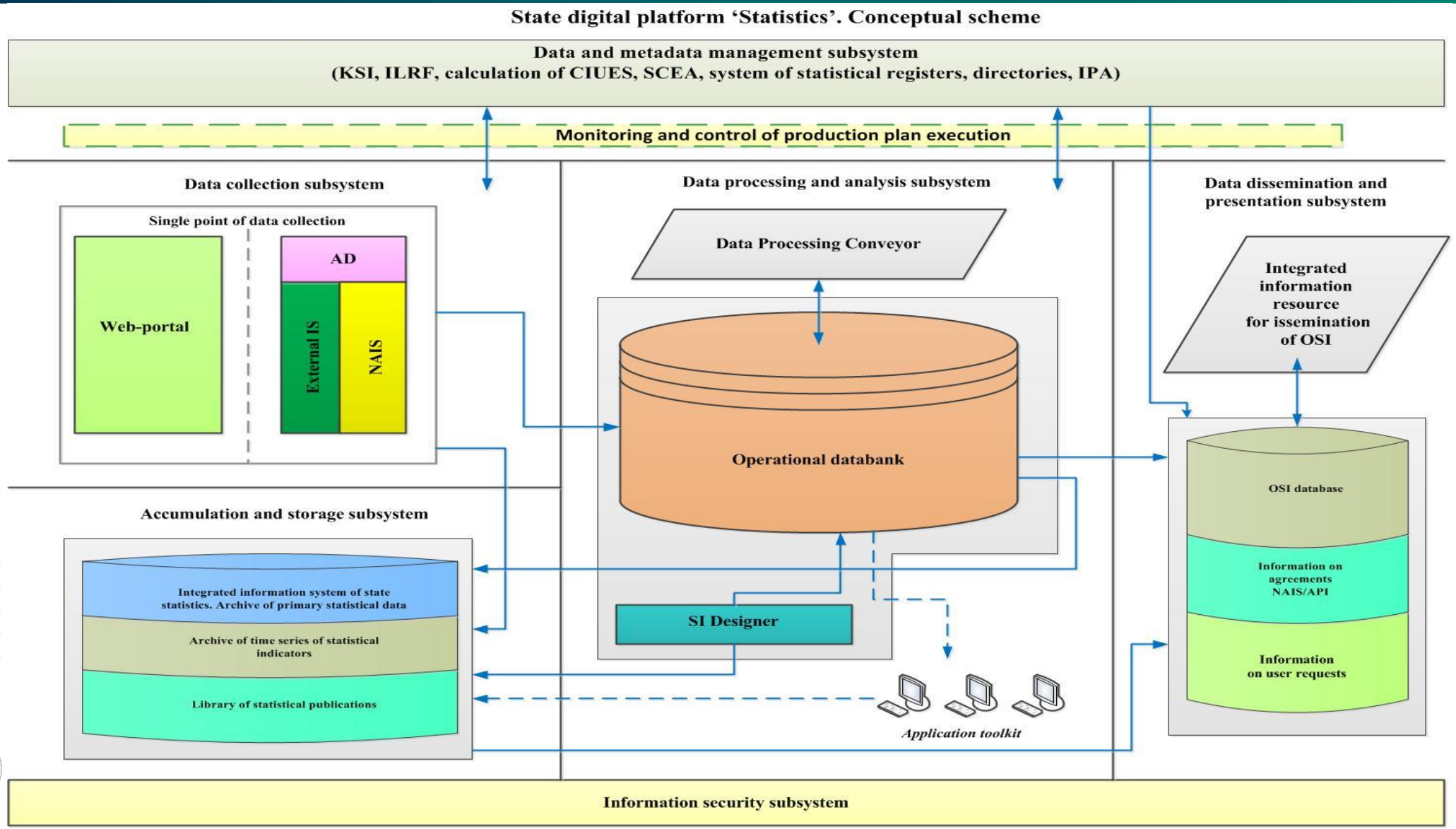
# STRATEGIC OBJECTIVES OF DIGITAL DEVELOPMENT OF BELSTAT's IR(IS)

2024 -2030

1. Formation on the basis of IS of unified resources and services for each stage of statistical production
2. Organization of intersystem interaction between IS and SIR(SIS)
3. Formation of a unified metadata database

# CONCEPTUAL TRENDS IN TECHNOLOGY DEVELOPMENT AND SYSTEMS INTEGRATION

2025 – 2030



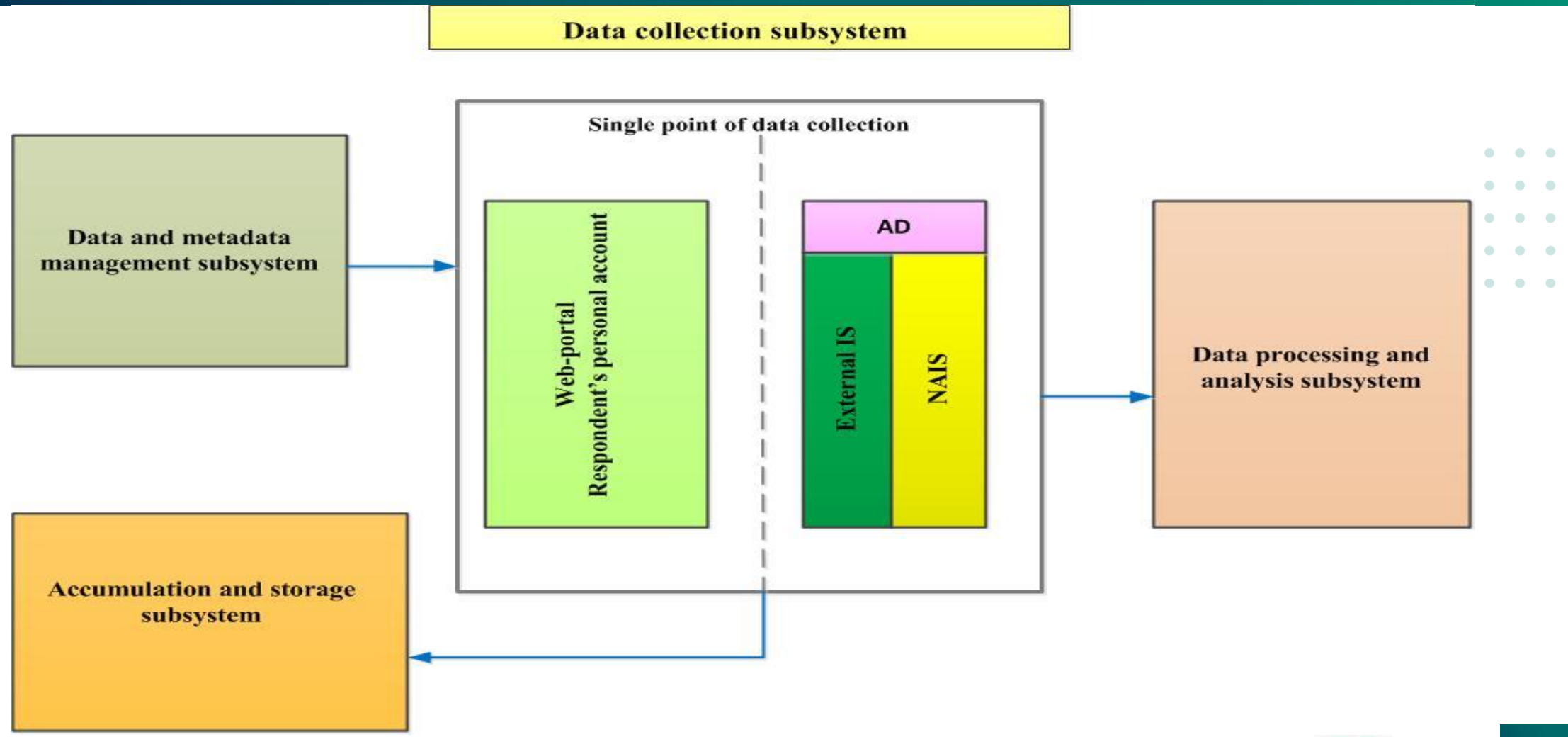
# MAIN DIRECTIONS FOR FORMING DATA AND METADATA MANAGEMENT SUBSYSTEM

2025 – 2027

1. • Automation of the processes of planning and management of statistical production
2. • Metadata management
3. • Improving the structure of and approach to the compilation of the catalogue of statistical indicators (CSI)
4. • A single module for maintaining directories unified for all information resources (systems)
5. • Integrated system of statistical registers
6. • Ensuring direct interoperability between the CSI, the system of unified directories, and the integrated system of statistical registers

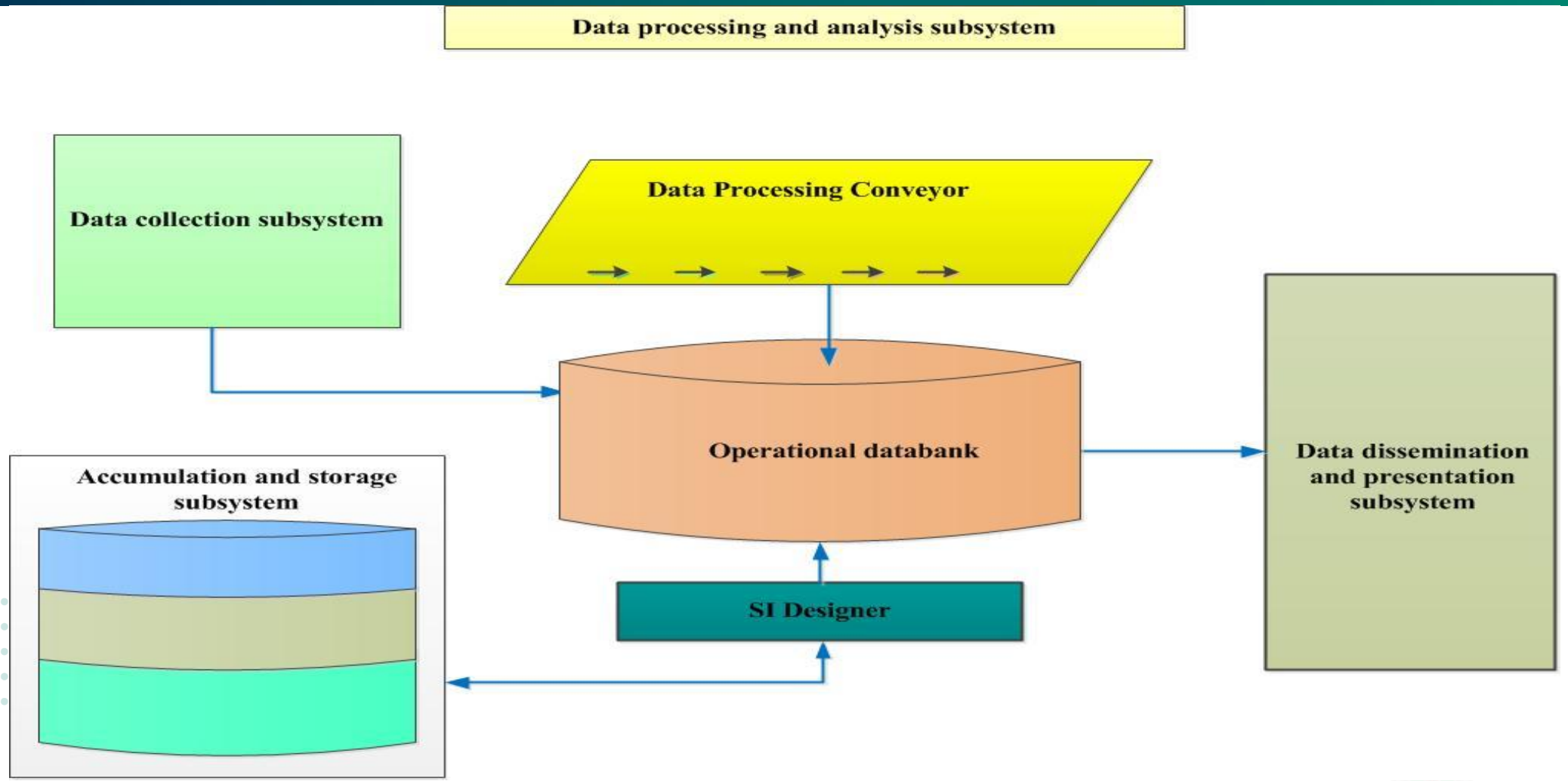
# MAIN DIRECTIONS FOR FORMING A DATA COLLECTION SUBSYSTEM

2027 – 2029



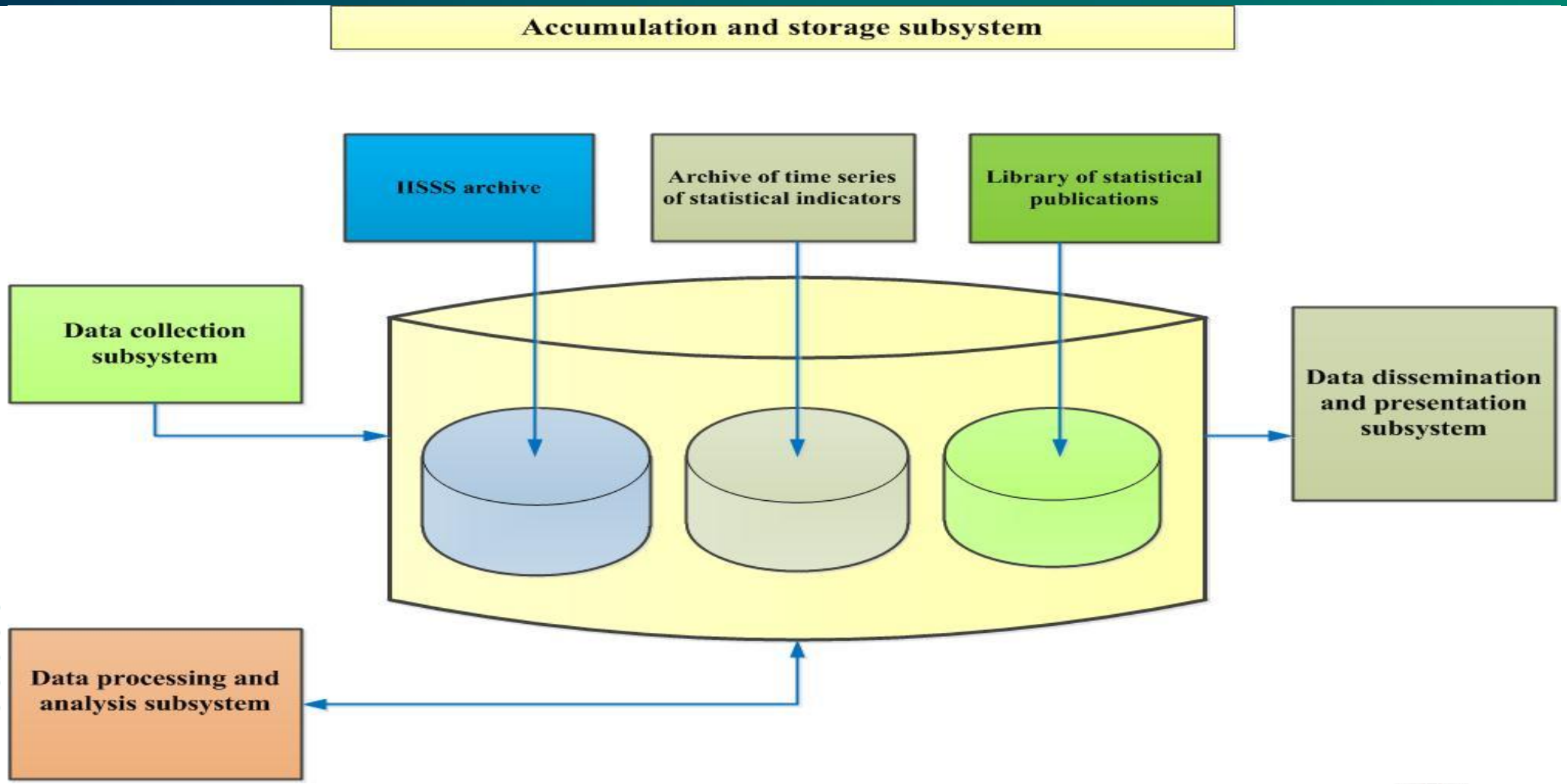
# MAIN DIRECTIONS FOR FORMING A DATA PROCESSING AND ANALYSIS SUBSYSTEM

2027 – 2029



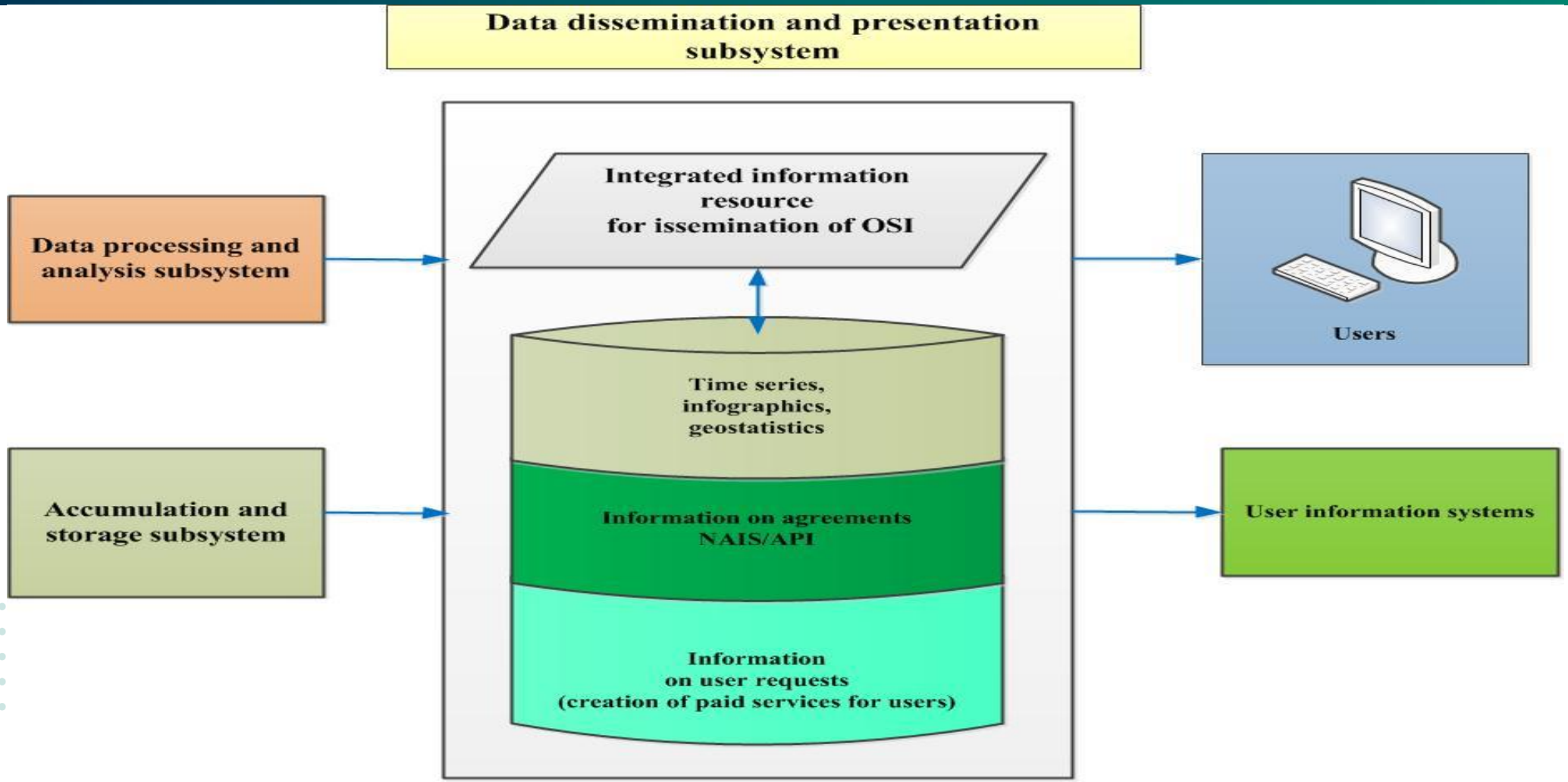
# MAIN DIRECTIONS FOR FORMING STATISTICAL INFORMATION ACCUMULATION AND STORAGE SUBSYSTEM

2027 – 2029



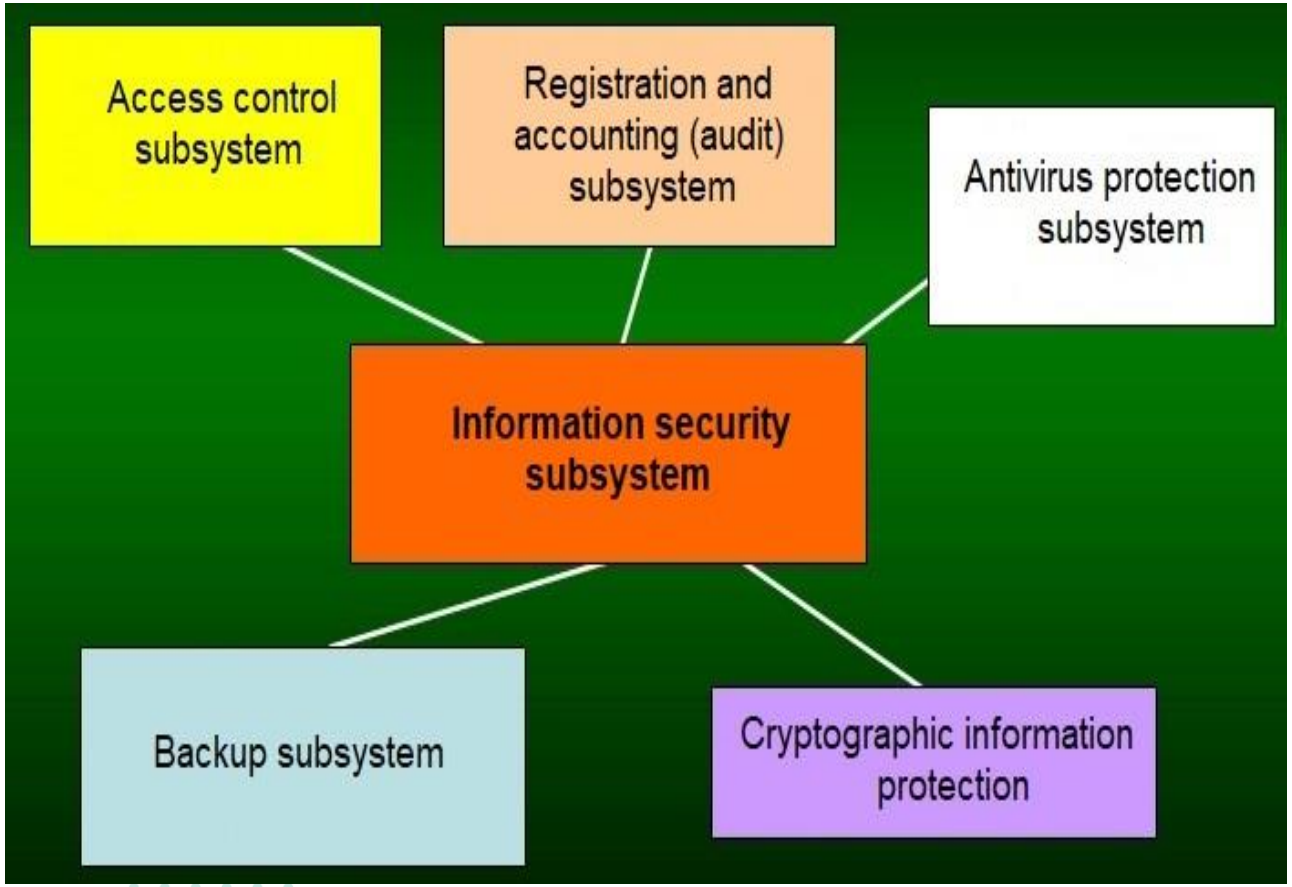
# MAIN DIRECTIONS FOR FORMING DATA DISSEMINATION AND PRESENTATION SUBSYSTEM

2027 – 2029



# MAIN DIRECTIONS FOR FORMING INFORMATION SECURITY SUBSYSTEM

2030



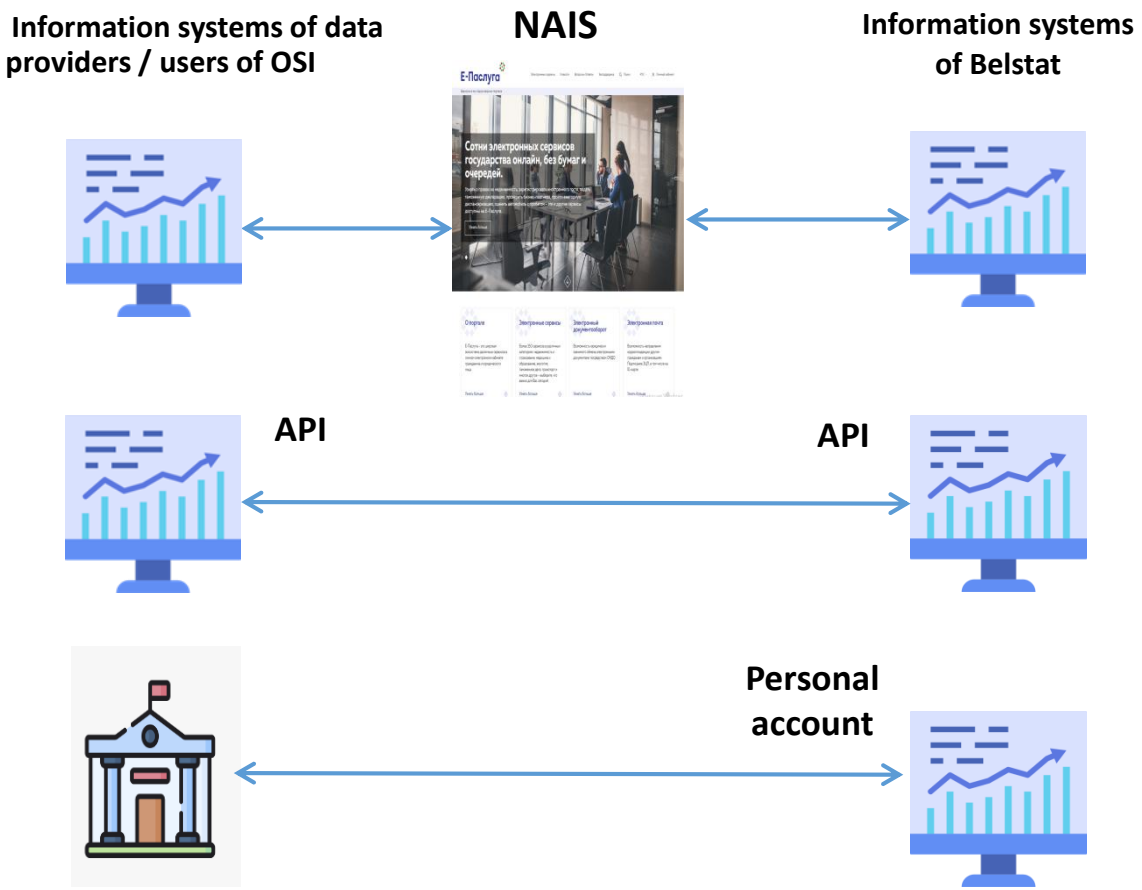

1
- attribute certificate processing mechanism

2
- mechanism for differentiating and managing access rights for multi-user mode

3
- access to the respondent's personal account via ID-card or mobile EDS

# INFORMATION INTERACTION WITH EXTERNAL SYSTEMS

2027 – 2029




**NAIS**

- Interaction through the National Automated Information System (NAIS)

**API**

- Direct information interaction

**PA**

- Authorized access and file upload in personal account

# EXPECTED EFFECT FROM IMPLEMENTATION

2030

1. Implementation of unified digital solutions for each stage of statistical production
2. Ensuring the efficiency and transparency of data processing, and the promptness of the OSI generation
3. Ensuring interoperability between IS (IR) on the basis of standardized formats and protocols
4. Creation of an integrated solution for planning and management of statistical production

# THANK YOU FOR YOUR ATTANTION

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