



NATIONAL STATISTICAL COMMITTEE OF THE REPUBLIC OF BELARUS

TECHNOLOGICAL DEVELOPMENT IN DATA COLLECTION, PROCESSING AND DISSEMINATION. EXPERIENCE OF BELARUS.

*6 October 2016
Minsk*

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of the National Statistical Committee
of the Republic of Belarus*

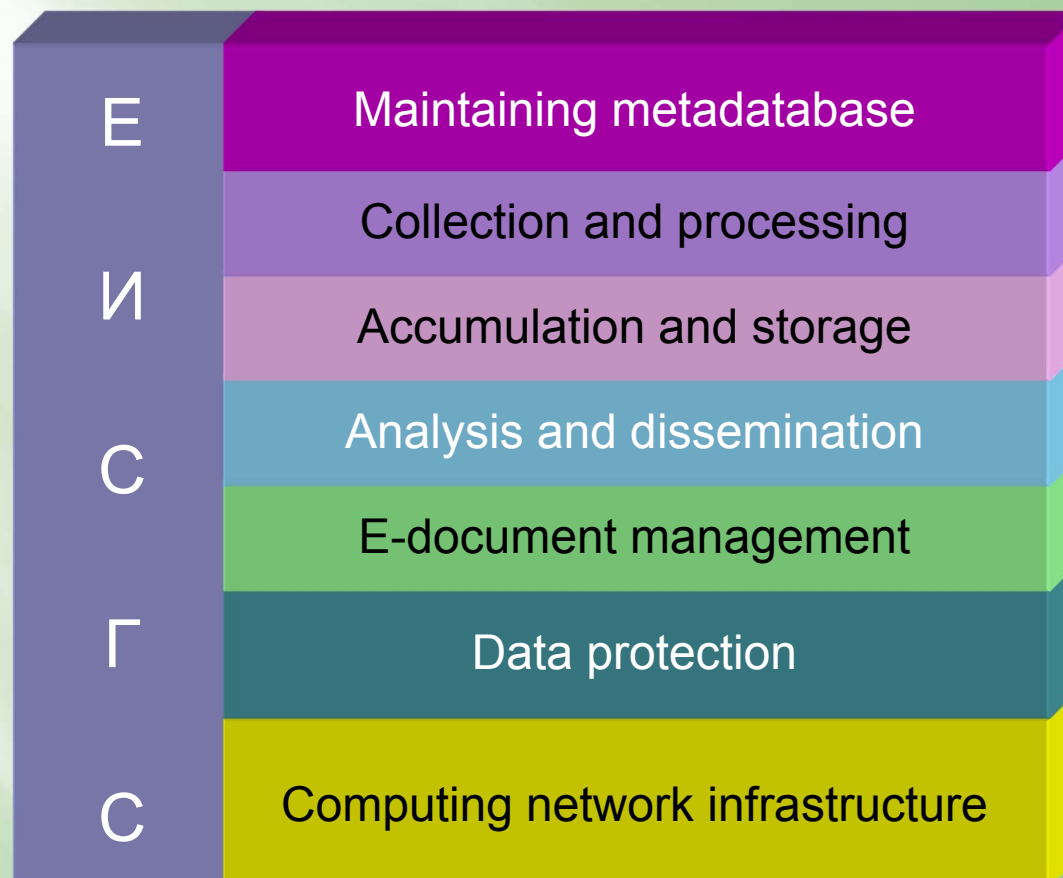


Мероприятия в сфере информатизации направлены на решение следующих задач:

- ❑ *quality management of statistical business processes;*
- ❑ *reduction of time costs of primary data collection and processing;*
- ❑ *quality improvement of disseminated official statistics;*
- ❑ *increased data accessibility for all user categories.*



СТРУКТУРА ЕИСГС



**Единая информационная система государственной
статистики Республики Беларусь
введена в постоянную эксплуатацию в 2013 г.**



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Maintaining metadata base

Collection and processing

Accumulation and storage

Analysis and dissemination

E-document management

Data protection

Computing network infrastructure



Maintaining metadatabase

ISSS Statistical Register ensures:

1. Uniform approaches to identification of economic entities;
2. A set of characteristics of observation units (activity, ownership, location and other).

Reference information (classifications, nomenclatures, reference books) uses:

1. Collection and processing of primary data;
2. Compilation and dissemination of official statistical information;
3. Functioning of the ISSS Statistical Register.



Collection and processing

Collection technology:

- electronic reporting collection;
- use of hand-held mobile devices (tablet PCs).

Processing technology:

- compilation of aggregated information in IISSS;
- over 120 specialised software applications;
- use of SPSS statistical software.



E-document management



- corporate e-document management system of Belstat and regional/ Minsk City statistical offices;
- storage of publications and analytical materials in publication database, their attribute and contextual search.



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Data protection

ensuring confidentiality, integrity, authenticity and accessibility of information

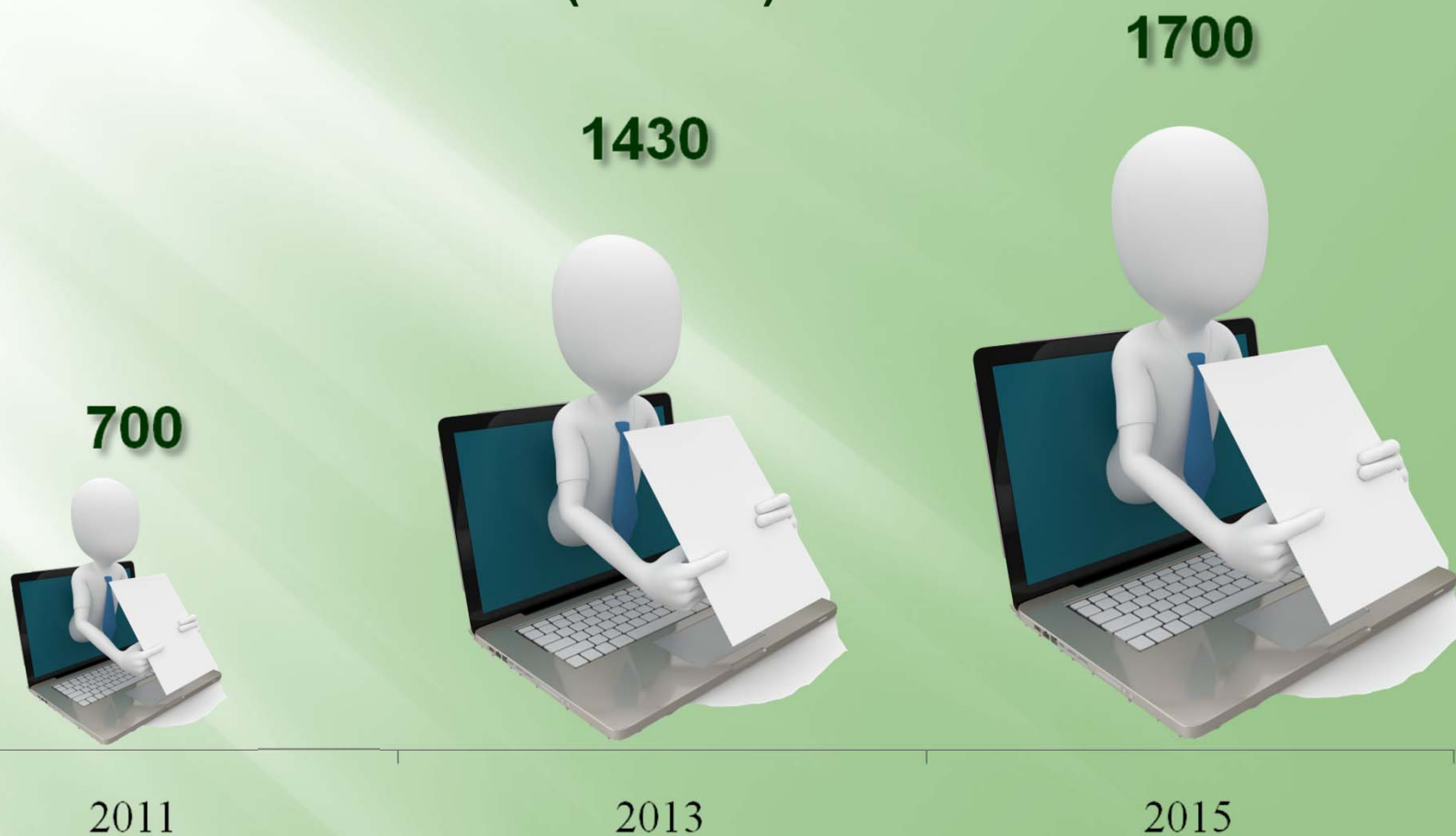


Analysis and dissemination

- official website of the National Statistical Committee of the Republic of Belarus;
- official websites of the regional/ Minsk City statistical offices;
- Belstat's page on Facebook;
- online analytical information system for dissemination of official statistics.



КОЛИЧЕСТВО ПОСЕЩЕНИЙ ИНТЕРНЕТ-САЙТА БЕЛСТАТА (ТЫСЯЧ)





Online analytical information system for dissemination of official statistics

- a single repository of data and related metainformation;
- quick access of all user categories to official statistical information;
- possibility of completing regular and custom search queries without additional programming.



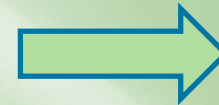
Функциональные решения Системы

***Creation of a single repository
of data and related
metainformation***



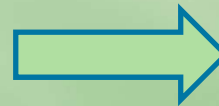
BI platform

***Acceleration of query
processing and computing;
data analysis in various
breakdowns***



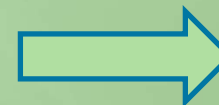
OLAP technology

***Visual data representation
using various interactive
images, schemes and charts***



***interactive
visualisation tools***

***Possibility to work with the
information in other systems***



***download formats
(xml, xls, rtf)***



Перспективы информатизации

- introduce technology for online primary data collection;*
- move to electronic collection of reports from individual entrepreneurs (on selected reporting forms);*
- ensure interoperability of systems functioning in Belstat with the information systems of other government agencies;*
- organise and conduct the population census of the Republic of Belarus of the 2020 round using tablet PCs and specially developed software;*
- develop the version of Belstat's website for people with special needs;*
- create a backup data processing and storage centre.*



БЛАГОДАРЮ ЗА ВНИМАНИЕ!

