



National Statistical Committee of the Republic of Belarus



Innovations in the population census of the Republic of Belarus 2009: progress and challenges

*Elena Kukharevich
Deputy Chair
National Statistical Committee
of the Republic of Belarus*



The population and housing census
was carried out
in the Republic of Belarus
from **14 to 24 October 2009**,
the main census results were
presented to users by
1 September 2010,
10 months after the census.





Electronic census zoning

Results of the census zoning (census areas) were for the first time transferred in electronic format, which allowed for the creation of the database containing:

✓ for urban areas

information about the address details of each building (including the locality, street, number of the building) as well as its assignment to a particular census area;

✓ for rural areas

assignment of localities to census areas.



Such approach allowed to:

- ✓ automate the labour-intensive process of defining the composition of any census, instructor's or enumeration district;
 - ✓ assign a unique code to each enumeration district, which resulted in the elaboration of a bar code system for census portfolios.
-



GIS technology:

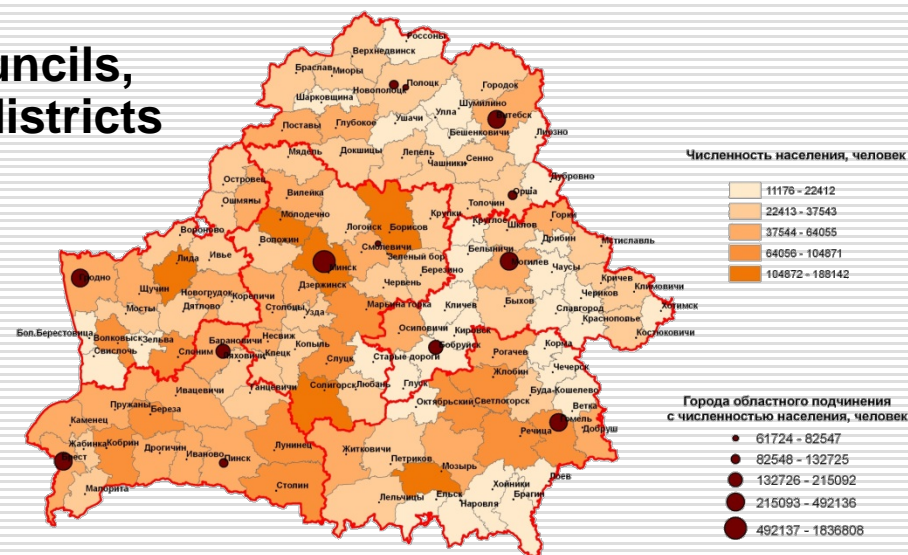
✓ Transferred in electronic format cartographic material was used as a basis for the creation of the geographic information system “Population Census”;

✓ Electronic maps containing digitized outlines of regions and administrative districts of the country, cities, rural councils, rural localities, and census areas and districts within cities.

Planned by 2015:

- ✓ completion of the system;
- ✓ introduction of the address layer;
- ✓ completed cartographic material in electronic form.

Распределение численности населения Республики Беларусь по районам и городам областного подчинения





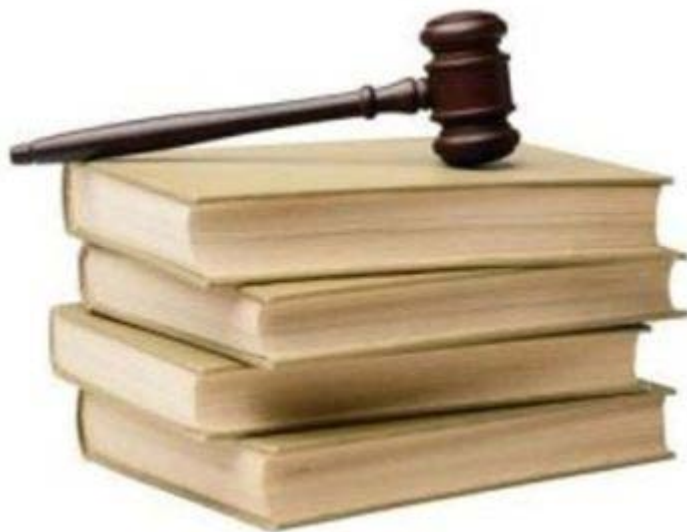
Census programme

The 2009 population census programme:

- ✓ **ensured the comparability with the data of previous censuses both at the national and international levels;**
 - ✓ **included new questions that allowed for a more detailed information about the internal and international migration.**
-



Legal framework of the population census



For the first time in the country's history the population census was carried out in accordance with the Law of the Republic of Belarus of **13 July 2006 "On the Population Census"** which created a legal basis for the collection and processing of personal data and dissemination of final census data.



Law “On the Population Census”

- ✓ **Special attention in the Law is paid to the guarantees for the protection of personal data received during the census;**
- ✓ **Personal data are confidential;**
- ✓ **The presence of such provision which fully complied with the requirements of the national and international legislation in the field of personal data protection contributed significantly to a more confident attitude of respondents towards the population census.**

Plans:

- ✓ **to include the provision on the obligatory enumeration;**
 - ✓ **legal framework for electronic data collection.**
-



Method of data collection

The 2009 population census was carried out with the *traditional method* – by interviewing each adult respondent and completing census questionnaires while visiting living quarters with actually resident respondents regardless of the registration. Census questionnaires were filled in as reported by respondents, without any documentary proof.



Dissemination of results

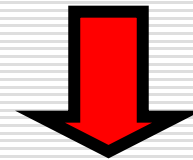
The strategy of final census data dissemination **fundamentally changed.**

1999



paper

2009



electronic format



System of access to the population census results via the Internet

Впервые разработан The **System of access to the population census results via the Internet** was developed for the first time

- ✓ Russian and English versions available;
 - ✓ *In interactive mode:*
 - access to census data;
 - efficient tool for data visualization in the form of tables, charts, diagrams and maps;
 - customized analytical data processing.
-

System of access to the population census results via the Internet

Census summary data 2009, Republic of Belarus

User: Гость [Log off](#)
[To main page](#)

Census Demography Methodology

Hide logo ▲

Dashboards Reports

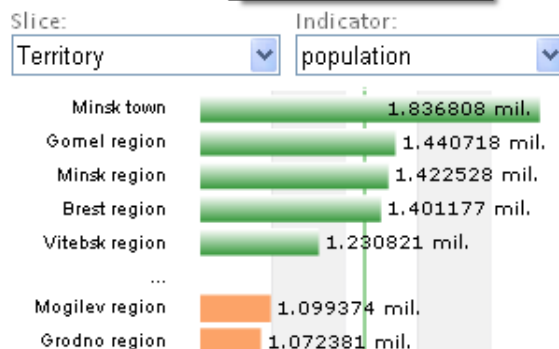
Dashboards

- ☐ Census of the population of the Republic of Belarus in 2009
 - ☐ 1. Number and territorial distribution of population
 - ☒ Number and territorial distribution of population
 - ☐ Groupings of administrative units
 - ☐ Cities
 - ☐ Urban villages
 - ☐ Regions
 - ☐ Village councils
 - ☐ Villages
 - ☐ 2. Demographic characteristics

Population size, population



Rating (leaders & outsiders)



Mean value (1 357 686.71 persons)

Number and territorial distribution of population, population



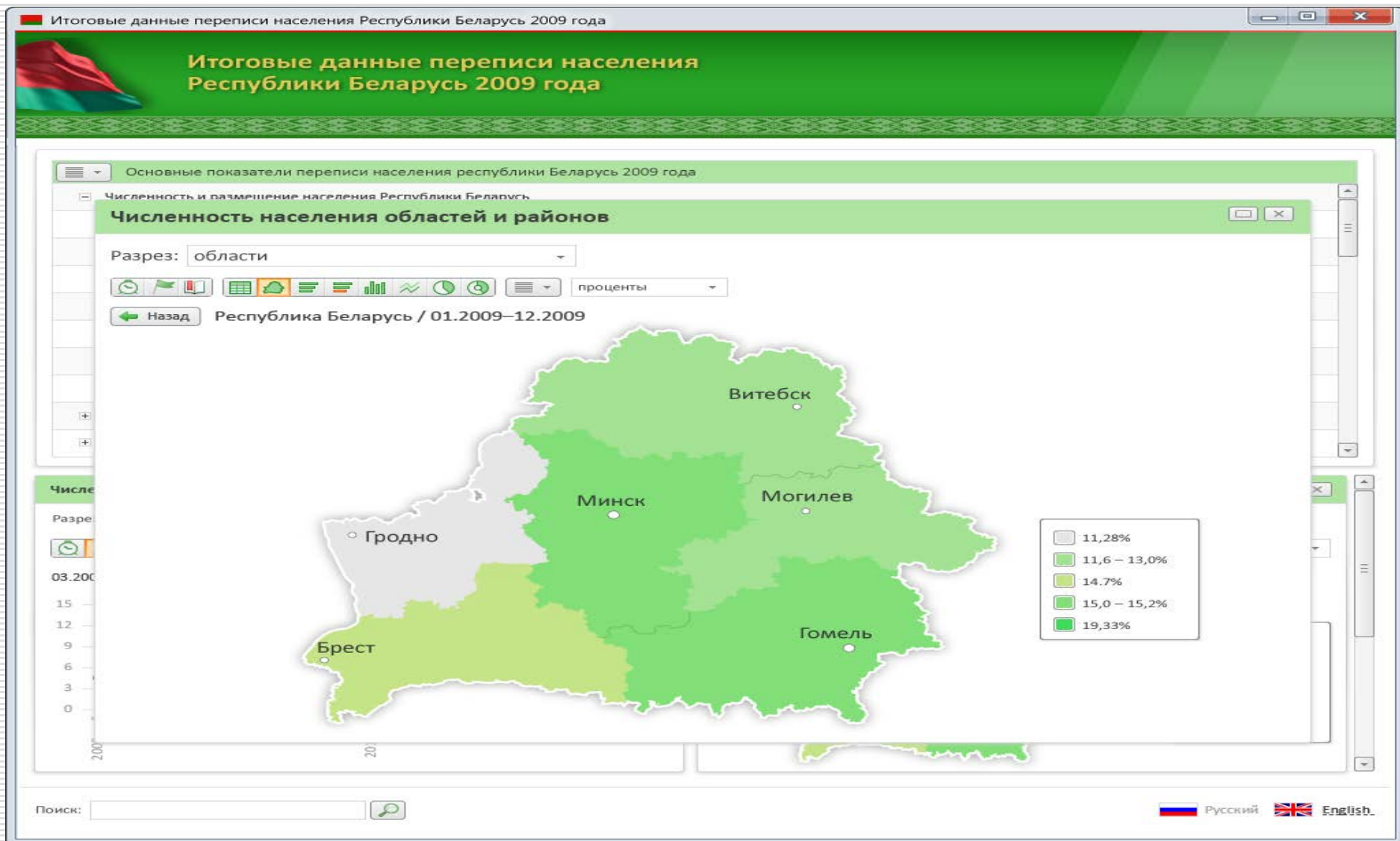
(2009)

Slice: Territory Indicator: population





System of access to the population census results via the Internet





The most hard-to-overcome challenge – is a financial challenge!

The population census is the most cost intensive statistical activity!

US\$ 1.3 spent on one enumerated person.

The objective of the 2020 round:

To carry out the census incurring minimum costs, with the data disseminated quickly and increased data quality





The 2009 population census data processing:

- ✓ use of modern information technologies;
- ✓ flow scanning;
- ✓ intellectual character recognition.

Result: processing costs **8 times** lower compared with 1999





Processing process centralized in Belstat -

- ✓ ensuring the confidentiality of personal data;
- ✓ application of uniform methodological approaches in data editing.





Census of the 2020 round:

- ✓ combined methods of data collection;
- ✓ use of paperless technologies.





Concept for carrying out the population census 2020 in the Republic of Belarus - 2015

**Thank you
for your attention!**
