

منتدى الدوحة للبيانات

من أجل الابتكار في التنمية المستدامة

22-23 أكتوبر 2024

DOHA DATA FORUM

FOR INNOVATION IN SUSTAINABLE DEVELOPMENT

October 22-23, 2024

Advancing Moldova's Data Ecosystem: Digital transition, EU harmonization and Administrative Data Integration

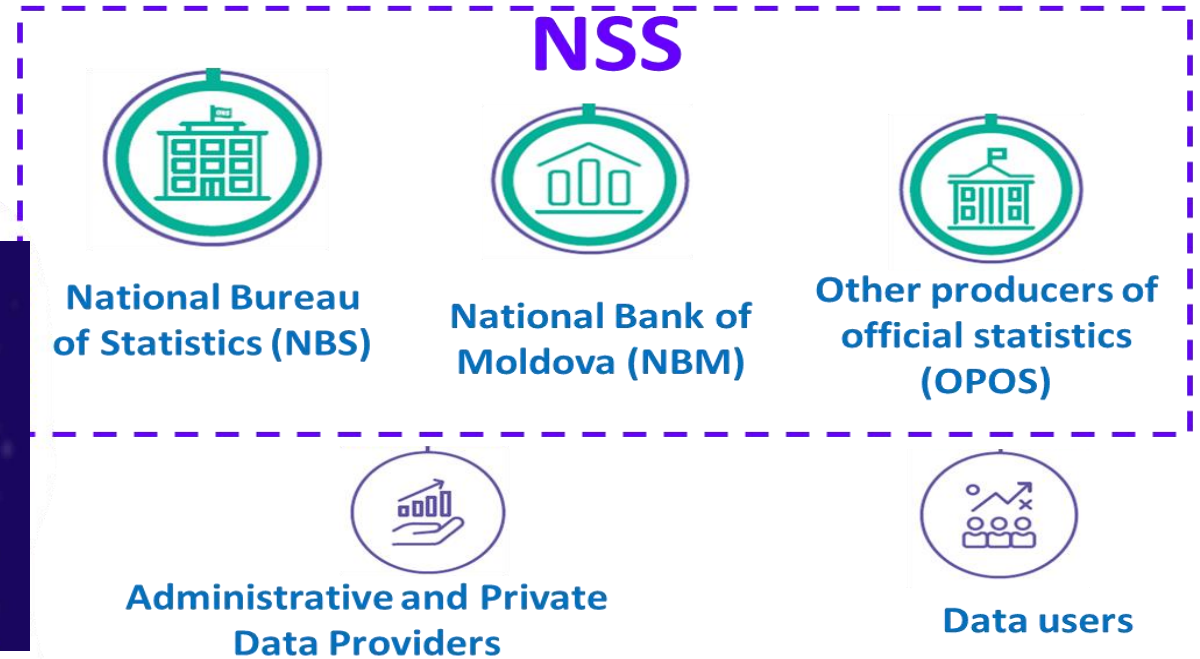
Dr. Oleg Cara, General Director,
National Bureau of Statistics of the Republic of Moldova
[E-mail: oleg.cara@statistica.gov.md](mailto:oleg.cara@statistica.gov.md)

National Statistical System and Data Ecosystem

Guiding principles

Vision: NSS to function as a consolidated structure in the Data Ecosystem, capable of providing high-quality statistical products and services, **in accordance with European standards**, meeting the needs of a wide spectrum of users.

Mission: to provide timely, qualitative data to support evidence-informed information, research, and decision-making processes in both the public and private settings.



National legislation



National strategic & policy framework



International (UN, EU etc.) standards in official statistics



International commitments (conventions, treaties, 2030 Agenda, etc.)



Statistical strategic framework

National Development Strategy “European Moldova 2030”

Strategy for the Development of the National Statistical System for 2023 - 2030

Ensuring
Efficient,
Inclusive and
Transparent
Governance

Ensuring the
regulatory and
institutional
framework in
order to provide
high quality data
to inform the
government and
Society

Development Program of the National Statistical System for 2023-2026

INSTITUTIONAL
DEVELOPMENT

GOVERNANCE &
LEADERSHIP

DATA
PRODUCTION/
DATA SUPPLY

USE & ANALYSIS =
DATA DEMAND

Programme for the Development of the NSS 2023 – 2026

OBJECTIVE 1. NSS INSTITUTIONAL DEVELOPMENT

Institutional capacity of NSS members strengthened to produce relevant, accessible and interoperable statistical data, governed by standards and driven by innovation.

OBJECTIVE 3: DATA PRODUCTION – DATA SUPPLY

High-quality data (timely, relevant, reliable, internationally comparable) produced to inform society and support effective, evidence-based decision-making leading to sustainable development and an inclusive society.

NSS Objectives

OBJECTIVE 2. GOVERNANCE AND LEADERSHIP

NSS strengthened by good governance systems, a common legal and regulatory framework, privacy and data protection practices to ensure transparency and accessibility of data of public interest and increase public trust in and use of data.

OBJECTIVE 4. USE & ANALYSIS = DATA DEMAND

Statistical culture in society strengthened to enable decision-makers to use data effectively and to provide in a sustainable way the services and resources that the population needs, for crisis recovery and to provide opportunities for the general public to understand better statistics and hold the authorities accountable.

Transition to digitalized statistical system (1)

- Improved national legislation in line with international requirements
- Partnership & Cooperation
- Information Security and Data protection
- Extended access to alternative data sources (AIDS), including administrative data sources (ADS) and privately held data (PHD), and use of new methods and tools (Big Data, Scanner data, Web scraping, AI, etc.)
- Extended use of GIS technologies
- Evaluation of ADS and PHD based on the Quality Evaluation methodology



Transition to digitalized statistical system (2)

- Modernization of IT infrastructure and data production (new data collection methods and tools, use of GSBPM etc.)
- Data Quality Management System
- Development of statistical registers (on population, dwellings, entities, etc.), as well as the register of administrative data sources (ADS) relevant for the purposes of official statistics
- Capitalizing on the potential of ADS by developing experimental statistics with subsequent integration into statistical production



Legal framework: Law No. 93/2017 on official statistics

• Data collection, processing and storage

- Statistical surveys
- Administrative data sources (ADS)
- Privately held data (PHD)

• NBS access to Administrative Data Sources for statistical purposes:

- The NBS, the NBM and Other Producers of Official Statistics (OPOS)/ Other National Authorities (ONAs) have the right to access and use, free of charge, administrative data sources (ADS) and privately held data (PHD), including personal data.
- Holders are obliged to provide NBS, NBM and OPOS with the access to ADS and PHD.
- Holders of ADS should coordinate with the NBS the content of their ADS.

NBS access to Administrative Data Sources for statistical purposes (1)

- **Collaboration with Public and Private institutions**
 - National Authority on Data Protection
 - E-Government Agency
 - Holders of ADS and PDS (admin and private data sources)
- **Measures to enforce Personal Data Protection (PDP) in the NBS:**
 - PDP Policy in place
 - External audits conducted in 2020-2021 and measures taken to fulfil the recommendations
 - Certificates of compliance according to ISO standards granted to the NBS in 2022:
 - ISO/IEC 27001:2013 on information security and
 - ISO/IEC 27701:2019 on the protection of personal/confidential
 - Reconfirmation of certificates (biannual)



NBS access to Administrative Data Sources for statistical purposes (2)

Public Service Agency:

- Population Register
- State Register of Legal Units

Ministry of Health

- Vital statistics data

Bureau for Migration and Asylum

- Data on immigrants

Environment Agency:

- Waste management data
- Air pollutant emissions, etc.

Border Police:

- Border crossing data

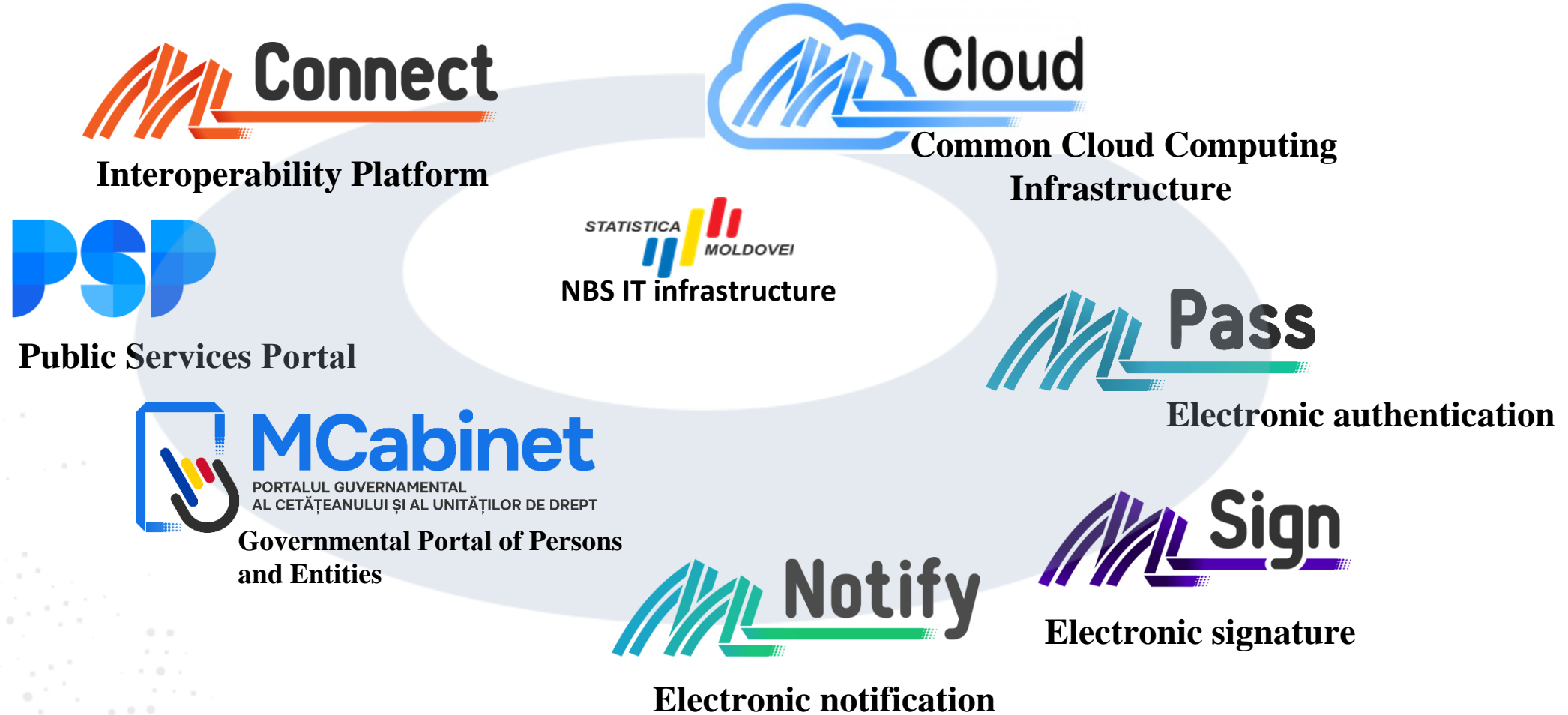
State Agency on Cadastre and Land Relations:

- Real estate data
- Geospatial data

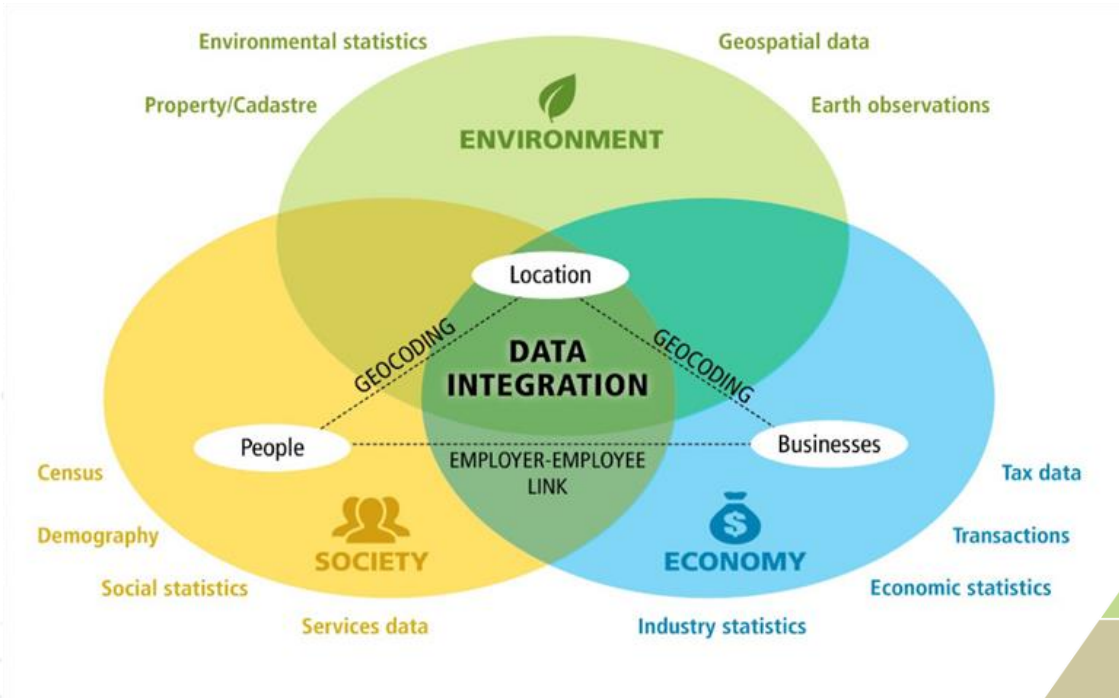
State Tax Service:

- VAT declarations
- Data on sales of retail trade companies (Sales' electronic monitoring system at transaction level)
- Declaration of income
- Salaries/wages per business units and employees

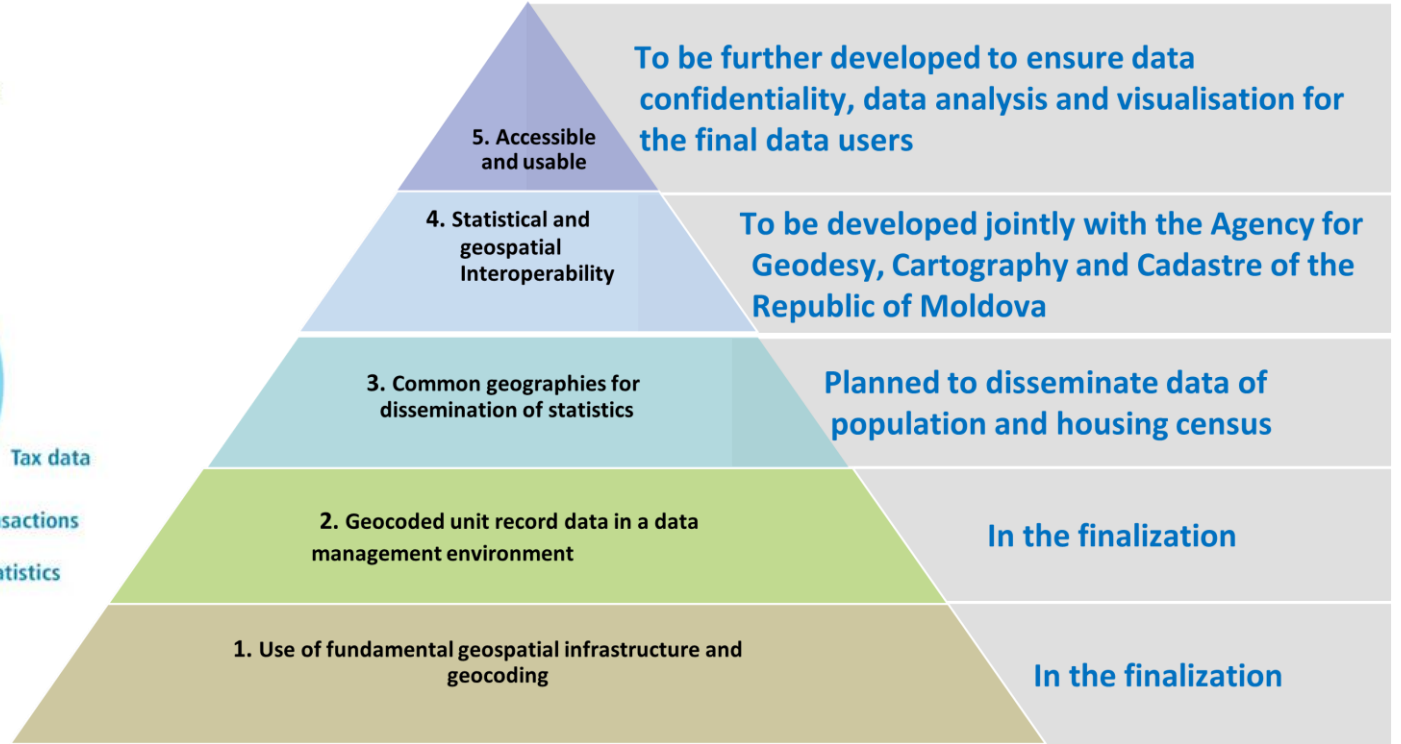
NBS: Integration with Government Infrastructure & Services



Integration of geospatial and statistical data



Moldovan application of GSGF



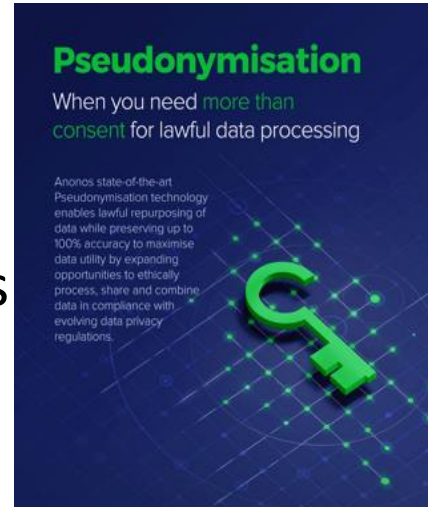
Population and Housing Census (PHC) 2024: Innovations & new features (1)

- Electronic data collection:
 - CAPI (tablets)
 - CAWI (for diplomats)
 - Real-time monitoring
- ID data collected for the first time
- Use of ADS and PHD at the preparation & data processing stages
 - PHC - vehicle to extend access to data for statistical production in general
 - Using the signs-of-life from administrative and privately held data (including Electricity suppliers)

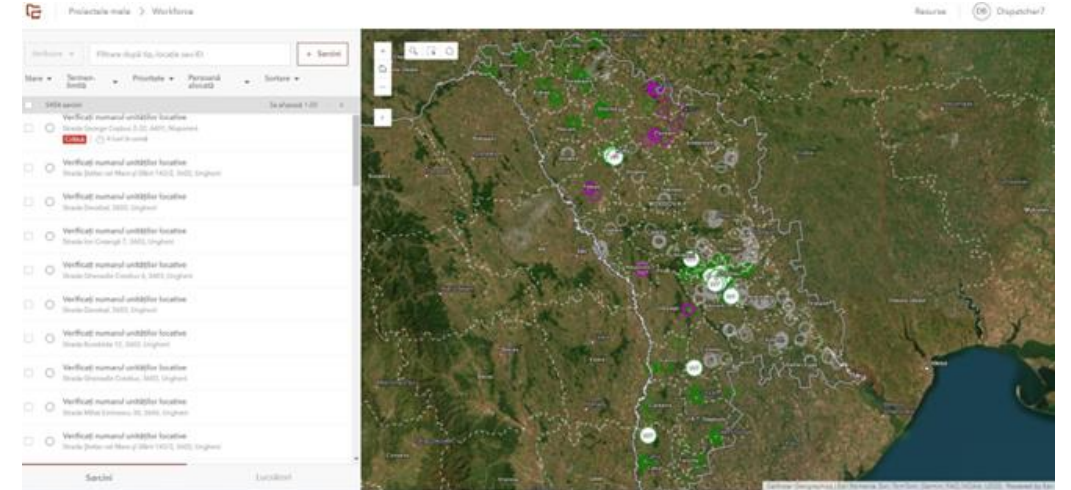
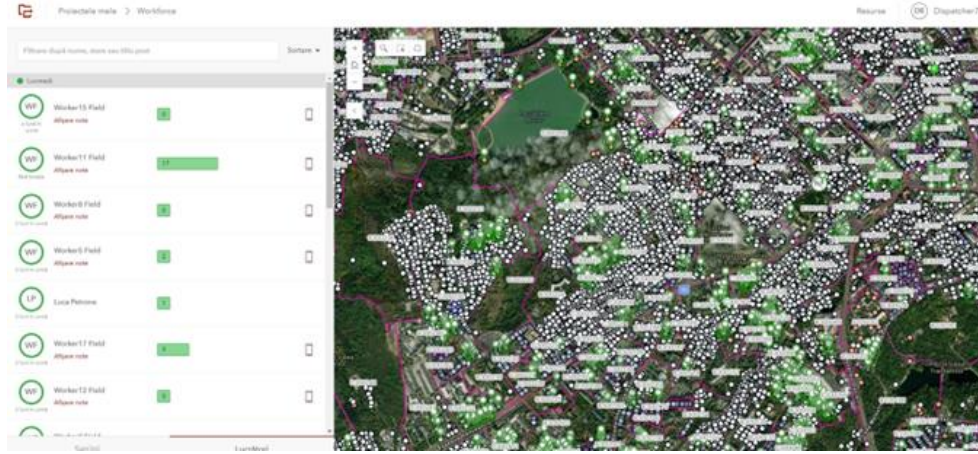


PHC 2024: Innovations & new features (2)

- Enhanced data security and protection measures
 - Use of Governmental platforms for secure data transmission and access (MCloud and MConnect)
 - Security and penetration testing of IT infrastructure used for the PHC
- Methodology for generating the **unique statistical identifier** for the pseudonymization of personal data for the purpose of producing official statistics and the standard operating procedure for using the unique statistical identifier
- Extended Information and **Communication campaign** to raise census awareness and support, taking into account the specificities of hard to *engage, convince, respond, locate* population groups



Digital 2024 census and use of GIS technologies



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Digital 2024 census: Communication and Partnerships

- **Strategy** for Communication and Publicity campaign
- Round tables, press-conferences, meetings
- Social media & Digital campaign
- Articles, media reports, training for journalists
- Video and audio spots
- Street publicity (billboards, banners, led banners etc.)
- Printed publicity (posters and flyers)
- Publicity in public transport

Partnerships:

- Central and local public administrations
- Academia
- Heads of Churches
- Confederation of Trade Unions
- Confederation of Patronates
- Alliance of Organizations on Disabilities
- Mass media
- Refugee organisations, other NGOs, etc.



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Sperati de recensam
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TV8.MD
May 2 at 4:01 PM
Vania Băt prezintă...pe scurt și în rime 😊 „Recensământ”



ثروة وطن
FAMILY IS THE TREASURE OF A NATION
2024 - السنة الدولية للأسرة - International Year of the Family - Qatar 2024
المجلس الوطني للتخطيط
National Planning Council
دولة قطر - State of Qatar

Challenges and needs for modernization of Statistical system in Moldova

- **Geographical coverage of the country:** Official statistics does not cover the entire territory of the Republic of Moldova
- **High staff turnover in the NBS and lack of expertise/well trained human resources** with good knowledge of the EU acquis on statistics, especially in the institutions – candidates to become OPOS/ONAs
- **Lack of an effective and sustainable system of training** in statistics of the staff in the NSS institutions
- **Adequacy of resources:** shortages of funds needed for dynamic harmonisation of national statistics in line with the EU acquis, especially for the implementation of new data collections and IT infrastructure
- Institutional arrangements: **there is no clear distribution of responsibilities** for the production of some **new statistics** (such as on EDP) between relevant institutions
- **Challenges related to the use of ADS and PHD for statistical purposes:** ADS do not fully correspond to statistical requirements (concepts, definitions, classifications, updates, consistency/comparability of data, etc.)
- A low degree of **statistical culture and knowledge** in public institutions and in society as a whole

Thank you for your
attention!