

Session 1 Reforms and prospects of statistics

Official statistics in the current information environment

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- Changing role of NSOs
- Multi-source statistics – access to administrative registers and privately held data
- Misuse of data and misinformation
- New technologies – AI, open-source software, cloud computing, geospatial data
- Disaggregation, leaving no-one behind

Sources:

[Future of NSOs](#) (May 2025)

Changing role of NSOs



- Institutional setting, legislative mandates
- Integrated data from different subject areas
- Public data governance, 'once only' principle
- Staff and their skills

Sources:

[Data stewardship and the role of NSOs in new data ecosystem \(2024\)](#)

[Assessing and understanding the value of official statistics \(2019\)](#)

Guidance on Modernizing Statistical Legislation (2019) [English](#) [Russian](#)

Generic Statistical Law (2016) [English-French-Russian](#)

Multi-source official statistics



- Change to the way statistics is produced:
 - Access to administrative registers
 - Access to privately held data

=> multi-source official statistics
- Innovations in survey-taking

Sources:

[HLG-MOS project 'Road map to multi-source statistics' \(2025,to come\)](#)

[CES seminar on innovations in survey-taking \(Session 5, 2025\)](#)

Misuse of data and misinformation



- Misinformation – disinformation – malinformation
- 4th Fundamental Principle of Official Statistics - statistical agencies are entitled to comment on erroneous interpretation and misuse of statistics.
- Strategy needed

Sources:

- [CES seminar on misinformation/disinformation \(Session 4\)](#)

New technologies



- AI
 - Making data processing more effective
 - Changing how information is consumed in society
- Open source
 - NSOs changing their internal system (transitioning to R or python)
 - NSOs developing solutions together

Sources: [HLG-MOS LinkedIn page](#); [HLG-MOS web page](#)

- [ML for Official Statistics \(2022\)](#)
- [LLM for Official Statistics \(2023\)](#)
- Generative AI for Official Statistics (2025 – to come out soon)
- [Guiding Principles for Statistical Open Source Software \(2025\)](#)
- [Statistical Open Source Software \(2025\)](#)

Data disaggregation



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- SDGs, leaving no-one behind
- Subnational statistics
- Other public data producers, e.g. cities

Sources on access to admin data



- Hard-to reach groups in administrative sources (2023, in-depth review) [English](#) [Russian](#)
- Guidelines for assessing the quality of administrative sources for use in censuses (2021) [English](#) [Russian](#)
- Guidelines on the use of registers and administrative data for population and housing censuses (2018) [English](#) [Russian](#)
- Guidelines on the use of statistical business registers for business demography and entrepreneurship statistics (2019) [English](#)
- Guidelines on Statistical Business Registers (2015) [English](#) [Russian](#)

Thank you!

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