



# Revised CES Recommendations proposed by Task Force 12 on dissemination of disaggregated census data

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# Outline

1. TF-12 scope and revised CESR sections
2. Key changes
  - dissemination technology/tools
  - new developments in SDC
  - functional output geographies
3. Overview of chapter
4. Conclusion & next steps

# TF-12 scope and revised CESR sections

- TF-12 scope

- dissemination formats, products and schedules (↔ TF-13)
- dissemination quality (↔ TF-02)
- confidentiality/disclosure control implications
- dissemination of georeferenced outputs (↔ TF-11)
- documentation, metadata, archiving

- revised CESR sections

- 'Confidentiality and security', paragraphs 140-148 in Chapter I (Methodology);
- 'Dissemination, documentation, metadata and archiving', paragraphs 292-318 in Chapter III (Field and other operational activities)

# Key changes – *dissemination technology/tools*

- survey findings:
  - **digital online formats** are now by far the most popular dissemination methods
  - **interactive online tools** (e.g. table builders, GIS mapping tools) relatively new among the most popular formats
  - **user-friendly and accessible data visualisation functions** considered a key element by many countries
  - key area where UNECE countries keep innovating
- ➔ CESR text revised in several places to make this general trend more visible and **highlight benefits** (user satisfaction, more efficient dissemination)

# Key changes – *new developments in SDC*

- survey findings:
  - many UNECE countries have implemented **significant updates** to their SDC systems
  - due to **more efficient noise-based methods available** that allow e.g. to avoid cell suppression but also addressing new risks
  - **additional risks** relevant for several countries:
    - interactive dissemination tools interacting directly with the microdata
    - geographic differencing risks (related to introducing grids)
- ➔ CESR text revised in several places + some new paragraphs to cover these new developments and highlight the links between modern dissemination technology and new disclosure risks.

# Key changes – *functional output geographies*

- survey findings:
  - Collecting **precise coordinates** on the population and on buildings becoming a standard
  - various benefits for dissemination, e.g. **free/custom choice of geographic output units**
  - **grids** have become a key geographical output level
  - Users benefit e.g. through **highly flexible interactive mapping tools**
- ➔ CESR text revised in several places to cover these recent developments and **highlight benefits** (comparability across countries, user satisfaction)

# Overview of chapter

- effort by several TFs to rearrange Chapter III into a more coherent structure
- as part of that, TF-12 proposes to merge the above-mentioned Sections into a **new dedicated Chapter**:
  - **‘Dissemination and related topics: security, documentation, metadata and archiving’**
- benefits:
  - confidentiality and security become more visible
  - security and archiving aspects of access to closed census records are bundled

# Overview of chapter – *contd.*

- Confidentiality and security
  - confidentiality principles – physical and logical security of personal data processed
  - statistical disclosure control – incl. links between new dissemination tools and new risks
- Dissemination
  - types of dissemination products (e.g. static reports, interactive tools, on-demand, ...)
  - cost effectiveness and efficiency gains through new technologies (e.g. interactive tools)
  - easy and free access, modern dissemination channels (e.g. APIs, social media)
  - links between technological advancements and more powerful tools (e.g. GIS)
- Archiving and access to close records
  - responsibility to preserve, access modalities, include metadata and operational info



# Conclusion & next steps

- TF-12 analysed the 2023 UNECE survey results
- proposed various CCSR revisions and new paragraphs to emerging topics
- ready to address comments and feedback from census week and upcoming further consultations

# Thank you



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