



# TF-12 progress report: Dissemination of disaggregated census data

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# Outline

1. TF-12 scope and work plan
2. Exchange of dissemination experiences
3. Questionnaire review
  - General dissemination, metadata and archiving
  - Statistical disclosure control
  - Geographical dissemination
4. Conclusion & next steps

# TF-12 scope and work plan

- 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

- TF-12 work plan

- *3 thematic sub-groups*: general dissemination, confidentiality, georeferenced outputs
- *2 broad stages*: questionnaire review (concluded), CESR review from Q4/2023

# Exchange of dissemination experiences

- TF members presented their **experiences**
- some highlights and **links**:
  - *Ireland*: [PX Stat tables](#), [interactive maps](#), [research micro files](#)
  - *UNECLAC*: [REDATAM](#) (incl. harmonised microdata and migration matrices for LA)
  - *Canada*: [census profiles](#), [maps](#)
  - [IPUMS](#)
  - *Eurostat*: [Census Hub](#), European 1 km square grid

# Questionnaire – *general dissemination etc.*

- general trend towards **more interactive, web-based** dissemination tools
  - e.g. **table builders** (linked directly to microdata or not  $\leftrightarrow$  SDC)
  - often combined with **interactive data visualisation** tools
- modes of **census taking** keep evolving quickly with **digitalisation**
  - continuing trend towards **administrative and new data sources**
  - reducing personal contact through **smart digital survey tools**
- **communication with users** more and more important
  - *before census*: e.g. **consultations** to inform planning
  - *after census*: e.g. accessible documentation/metadata, clear **quality information**

# Questionnaire – *statistical disclosure control*

- profound developments since last CESR update
  - many activities worldwide to explore **new methods based on noise**
  - e.g. small perturbations applied to microdata and/or table counts
- e.g. European Statistical System recommendations + tools for 2021 census
  - after 2011 census (→ partly excessive suppressions) + new 1km grid (geo-differencing)
  - many EU countries expected to apply them
- e.g. 2020 U.S. census first time protected by a differentially private method
  - mixed expert reactions, ongoing debates over quality concerns
- potential additional challenges from **interactive user tools**

# Questionnaire – *geographical dissemination*

- strongly increased **interest in georeferenced data/analysis** since last CESR
  - trend towards census data on **grids**
  - more powerful interactive **geographical visualisation** tools
  - emerging **SDC challenges** (e.g. differencing of non-nested geographical breakdowns)
- more specific **meta/auxiliary data** expected and needed
  - e.g. geographical estimation methods, auxiliary data like road networks and boundaries
- discussion on whether/how recently endorsed (2020 UNSC) [methodology on urban/rural delineation](#) should feature in CESR
  - forwarded to **TF-11** for consideration

# Conclusion & next steps

- TF-12 reviewed the questionnaire within its topical scope
- proposed various updates and new questions related to emerging topics
- as soon as 2023 survey results become available, work will continue with analysis of responses and revision of the CESR itself



# Thank you



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