

# CES Task Force 11: Geospatial information and small area statistics for censuses

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Chair of CES TF 11

Director of the ICT Systems, Geostatistics and Censuses Department

**Statistics Poland**

# CES Task Force 11 - objectives

The main objectives:

- to develop guidance to strengthen the meaning and expand the usage of Geographic Information system (GIS) and integration of census data with geospatial data;
- to concentrate on those aspects that are specific or especially pertinent to develop products that allow census data to be integrated with geospatial data.

# CES Task Force 11 - objectives

Specific objectives:

- the revision of the aspects dedicated to the use of maps and GIS technology at all stages of census that were included in global **Principles and Recommendations for Population and Housing Censuses: the 2020 Round, Revision 3 (UNSD)**;
- the revision of previous questionnaire (UNECE Survey on Country Practices for the 2010 Round of Population).

# CES Task Force 11 - members

Representatives from 9 countries and 2 organizations participate in the TF :

- Poland: Janusz Dygaszewicz, Anna Sławińska, Amelia Wardzińska-Sharif
- Austria: Ingrid Kaminger
- Germany: Florian Hennig
- Ireland: Kathleen Hanney
- Italy: Raffaele Ferrara, Gianluigi Salvucci
- Mexico: Mario Cruz
- Norway: Vilni Verner Holst Bloch
- Portugal: Ana Santos
- Slovakia: Lucia Vanišová
- UNECLAC: Alejandra Silva
- UNSD: Seiffe Tadesse

Poland is leading the task force.

Janusz Dygaszewicz is a chair of the group supported by other members from Statistics Poland.

# CES Task Force 11 - steps of work

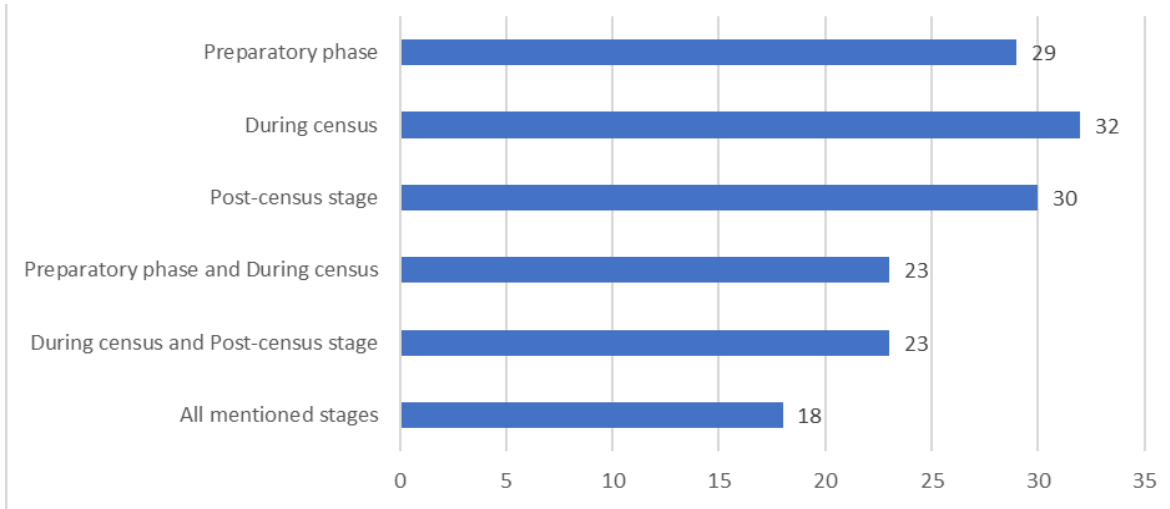
- **Phase 1:** Start-up phase;
- **Phase 2:** Considering of the current situation and identifying challenges and way forward;
- **Phase 3:** Preparation of a revised chapter or sections on geospatial components of census statistics containing a set of guidelines ready for inclusion in the 2030 CES Recommendations.

# CES Task Force 11 – Phase 3 (1)

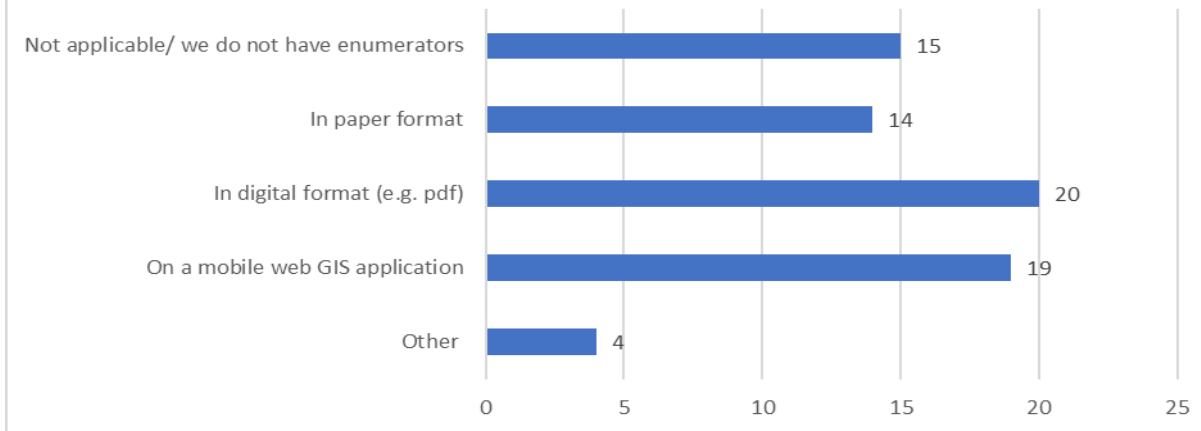
- Revision of previous section of recommendation containing geospatial components.
- Verification of questions chosen for the survey regarding 2020 census round.
- Analysis of received answers for questionnaire.
- Preparation of report on received answers.

# CES Task Force 11 - questionnaire - examples from the report (1)

Q195. In what stage(s) have you used geospatial data/any GIS technology for census needs? Select all that apply

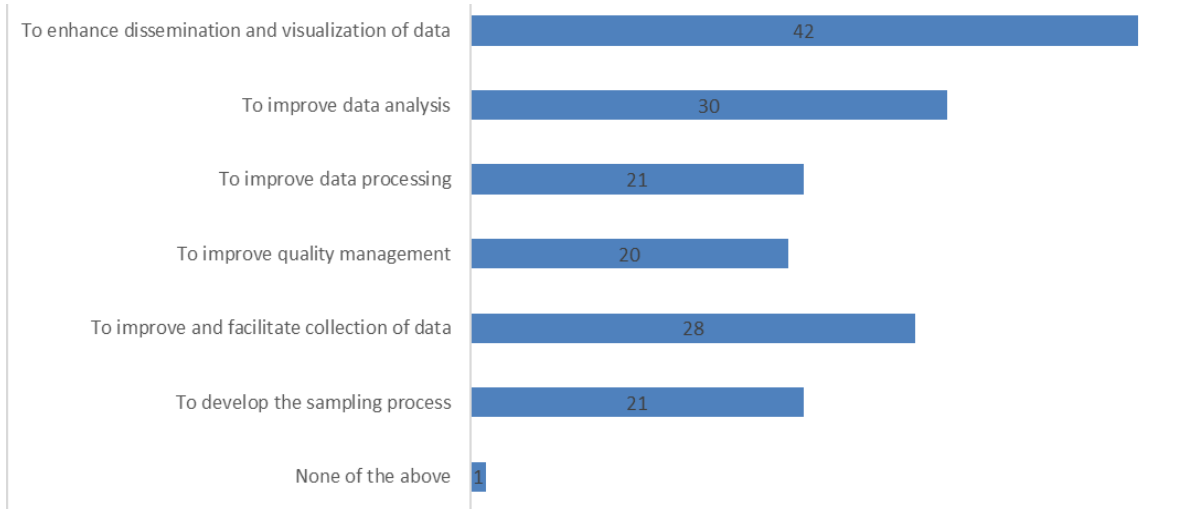


Q202. How does your NSO provide maps for the census geography for the enumerators during the collecting phase? Select all that apply

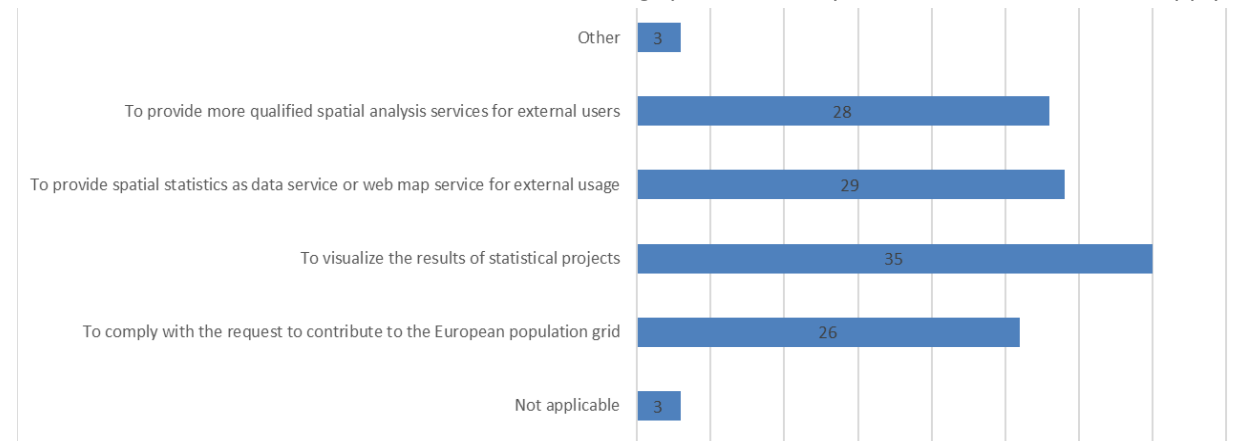


# CES Task Force 11 - questionnaire - examples from the report (2)

Q196. What is/are the role(s) of spatial data in your NSO? Select all that apply



Q197. What are the main benefits to the NSO of using spatial data in your census? Select all that apply





# CES Task Force 11 – Phase 3 (2)

- Development of the proposal of **NEW CHAPTER on geospatial information and small area statistics for censuses** containing a set of guidelines ready for inclusion in the 2030 CES Recommendations.

# CES Task Force 11 – why new chapter?

- Geospatial information has been playing more and more important role in processing data including census data.
- There is a need to develop guidelines to improve and expand the use of Geographic Information System (GIS) to integrate census data with geospatial data.
- Spatial referencing plays an increasingly important role in statistical production, including censuses, therefore the TF11 prepared a proposal for a new chapter on recommendations on geospatial information in censuses.

# CES Task Force 11 – topics in the chapter

- I. Introduction
- II. GIS technology / GIS for census needs
- III. Address point approach / reference to an address point
- IV. (Importance of) maps for census
- V. Cooperation/collaboration on integration census data with geospatial information
- VI. (Designing) Common geographies
- VII. Geocoding
- VIII. Supporting field work with GIS tools
- IX. Grids
- X. Data collection
- XI. Census data dissemination (through maps and maps portals)
- XII. Small area statistics/ small area data aggregation
- XIII. Confidentiality and Disclosure Control
- XIV. Detection of changes in the territory as input to maintain an updated geostatistical framework

# CES Task Force 11 – next steps

- Proposal of draft new chapter on Geospatial information and small area statistics for the Conference of European Statisticians (CES) Recommendations for the 2030 round of population and housing censuses has been sent for further consultation.
- Task force would appreciate all comments and suggestions from national census experts on the proposed draft text, to ensure that it reflects the needs of national statistical offices and latest developments.

# Thank you for your attention

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