The 2019 joint UNECE/Eurostat Work Session on Statistical Data Confidentiality will be hosted by Statistics Netherlands in The Hague, on 29-31 October 2019.

The main objectives of the meeting are to facilitate the exchange of experience and identify the best practices in dealing with technical issues related to statistical data confidentiality in statistical offices. The meeting is primarily intended for experts from national and international statistical offices as well as invited academics dealing with statistical disclosure limitation. Statistical disclosure limitation is an important issue influencing public perception of official statistics. Statistical confidentiality and protection of respondents’ privacy is included in the Fundamental Principles of Official Statistics.

Information Notice 1
Information Notice 2 - 16.10.2019
Preliminary Agenda - 21.10.2019
Meeting Report

Templates:
MS Word template
LaTeX template

Comprehensive and other presentations
Organizers: Steering Committee

High-Level Group for the Modernisation of Official Statistics. Taeke Gjaltema (UNECE)

Session: Microdata access facilities (topic 1: Access to microdata)
Session Organizers: Aleksandra Bujnowska (Eurostat), Janika Tarkoma (Statistics Finland) and Steven Thomas (Statistics Canada)

1 Romania NIS – Microdata for scientific purposes. Lucian Alexandrescu (National Institute of Statistics of Romania)
### Session: Access to microdata (topic 1)

**Joint Safe Centre of the Hungarian Central Statistical Office and the Hungarian Academy of Sciences.** Zoltán Vereczkei (Hungarian Central Statistical Office), János Köll (Hungarian Academy of Sciences)


**Virtual data labs - A more flexible approach to access Statistics Canada microdata.** Kelly Cranswick (Statistics Canada)

### Session: Risk assessment (topic 3)

**Trade-off between Information Utility and Disclosure Risk in GA Synthetic Data Generator.** Yingrui Chen, Jennifer Taub, Mark Elliot (University of Manchester)

**The Synthetic Data Challenge.** Mark Elliot and Jennifer Taub (University of Manchester)

**10 is the safest number that there’s ever been.** Felix Ritchie (University of the West of England)

**Connecting privacy models and statistical disclosure control methods through bistochastic anonymization.** Krish Muralidhar (U.Oklahoma), Nicolas Ruiz (OECD), Josep Domingo-Ferrer (URV)

**Privacy, confidentiality, disclosure: What is the difference?** Krish Muralidhar (University of Oklahoma), Rathindra Sarathy (Oklahoma State University)

**Assessing the re-identification potential of health care data for people with statutory health insurance in Germany (preliminary results).** Hannah Lobert (German Institute of Medical Documentation and Information (DIMDI))

### Session: Confidentiality issues of the Census 2020/2021 round (topic 6)

**A framework for assessing perturbative methods for protection of Census 2021 data at Statistics Portugal.** Ines Rodrigues, Paula Campos and Teresa Fragoso (Statistics Portugal)

**Ensuring data confidentiality of All-Russian Population Census 2020.** Anna Troitskaya (Rosstat)

### Session: Tabular data (topic 2)

**Concepts for generalising tools implementing the cell key method to the case of continuous variables.** Sarah Giessing and Reinhard Teng (Destatis)

**Prodcem disclosure control with non-nested national and european classification.** Maxime Beauté, Maël Buron (Insee)

**Using a stabilized Benders algorithm for cell suppression.** Daniel Baena, Jordi Castro and Antonio Frangioni (Universitat Politècnica de Catalunya)

**Releasable inner cell frequencies by post-processing protected tabular data.** Øyvind Langsrud (Statistics Norway)

**Primary analysis of disclosure risk in tabular data from a Brazilian economic survey.** Samela Batista Arantes and Maysa S. de Magalhaes (Brazilian Institute of Geography and Statistics)

**Algorithmic Matching Attacks on Optimally Suppressed Tabular Data.** Kazuhiro Minami (The Institute of Statistical Mathematics, Tokyo)

**ABS perturbation methodology through the lens of Differential Privacy.** Joseph Chien (ABS)

### Session: Microdata protection (topic 1: access to microdata)

**Synthetic data generation for anonymization purposes. Application on the Norwegian Survey on living conditions/EHIS.** Johan Heldal and Diana-Cristina Iancu (Statistics Norway)

**Statistical Disclosure Control for outputs: A Handbook.** Richard Welpton and Arne Wolters (The Health Foundation), Emily Griffiths (University of Manchester), James Scott and Christine Woods (University of Essex)
### Session: Framework for confidentiality (topic 5)
Session Organizer: Aleksandra Bujnowska (Eurostat), Janika Tarkoma (Statistics Finland)

| 1 | Understanding personalities in data access decision-making. Richard Welpton (The Health Foundation) | Paper Presentation |
| 2 | Successes and Challenges in Increasing Accessibility at Statistics Canada. Steven Thomas (Statistics Canada) | Paper Presentation |
| 3 | Evaluation criteria for the selection of a SDC Method. Christiane Seifert, Johannes Rohde (IT.NRW) and Sarah Giessing (Destatis) | Paper Presentation |
| 4 | Crisis management – training, practicing and testing. Janika Tarkoma and Harri Koskinen (Statistics Finland) | Paper Presentation |
| 5 | Data protection laws and methods in official statistics. Aleksandra Bujnowska (Eurostat) | Paper Presentation |

### Session: Emerging issues (topic 4)
Session Organizer: Josep Domingo-Ferrer (Universitat Rovira i Virgili)

| 1 | Comparing methods of safely plotting variables on a map. Y. (Sapphire) Han, Peter-Paul de Wolf and Edwin de Jonge (Statistics Netherlands) | Paper Presentation |
| 2 | Privacy Preserving Set Intersection. Guiseppe Bruno and Diana Nicoletti (Bank of Italy), Monica Scannapieco and Diego Zardetto (Istat) | Paper Presentation |
| 3 | The Potential of Anonymization Methods for Creating Detailed Geographical Data in Japan. Shinsuke Ito (Chuo University, Japan) and Masayuki Terada (NTT DOCOMO, INC, Japan) | Paper Presentation |
| 4 | Protecting consumer privacy in smart metering by randomized response. Bastian Stölb and Josep Domingo-Ferrer (Universitat Rovira i Virgili) | Paper Presentation |
| 5 | Statistical confidentiality of agricultural surveys in the context of the AGRISurvey program. Thijs Benschop, Clara Aida Khalil (FAO) | Paper Presentation |

### Session: Software tools for statistical data confidentiality (topic 7)
Session Organizer: Peter-Paul de Wolf (Statistics Netherlands)

| 1 | cellKey - consistent perturbation of statistical tables. Bernhard Meindl (Statistics Austria) and Tobias Enderle (Destatis) | Paper Presentation |
| 2 | Microdata.no - Safe Access to Register Microdata. Johan Heldal and Svein Johansen (Statistics Norway), Ørnulf Risnes (Norwegian Centre for Research Data) | Paper Presentation |

Link to Workshop’s page on the UNECE website