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)


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

5 Harnessing the potentiality of microdata access risk management model. Natalia Volkow (INEGI) Paper Presentation

6 Data Confidentiality in ICBS Research Rooms. Julia Vider (CBS, Israel) abst act Presentation


Session: Risk assessment (topic 3)
Session Organizers: Josep Domingo-Ferrer (Universitat Rovira i Virgili), Krish Muralidhar (University of Oklahoma)

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

2 The Synthetic Data Challenge. Mark Elliot and Jennifer Taub (University of Manchester) Paper Presentation

3 10 is the safest number that there’s ever been. Felix Ritchie (University of the West of England) Paper Presentation

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

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

6 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)) Paper Presentation

Session: Confidentiality issues of the Census 2020/2021 round (topic 6)
Session Organizers: Eric Schulte Nordholt (Statistics Netherlands)


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

Session: Tabular data (topic 2)
Session Organizers: Sarah Giessing (Destatis)

1 Concepts for generalising tools implementing the cell key method to the case of continuous variables. Sarah Giessing and Reinhard Tent (Destatis) Paper Presentation

2 Prodcem disclosure control with non-nested national and european classification. Maxime Bearté, Maël Buron (Insee) Paper Presentation

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

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

5 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) Paper Presentation

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

7 ABS perturbation methodology through the lens of Differential Privacy. Joseph Chien (ABS) Paper Presentation

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

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

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<th>Session: Software tools for statistical data confidentiality (topic 7)</th>
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<td><strong>1</strong></td>
<td><strong>cellKey - consistent perturbation of statistical tables.</strong> Bernhard Meindl (Statistics Austria) and Tobias Enderle (Destatis)</td>
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<td><strong>2</strong></td>
<td><strong>Microdata.no - Safe Access to Register Microdata.</strong> Johan Heldal and Svein Johansen (Statistics Norway), Ørnulf Risnes (Norwegian Centre for Research Data)</td>
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Link to Workshop's page on the UNECE website