JOINT UNECE/EUROSTAT WORK SESSION ON STATISTICAL DATA CONFIDENTIALITY

29-31 October 2019, The Hague, Netherlands
Statistics Netherlands, Henri Faasdreef 312

21 October 2019

Preliminary Agenda

DAY 1 – Tuesday 29 October

08:30	Registration
09:30	**Welcome and Opening** A.H. (Bert) Kroese, Deputy Director General, CBS **HLG-MOS and Statistical Data Confidentiality** Taeke Gjaltema (UNECE)
09:50	**Adoption of the agenda; Designation of officers**
09:55	## Session: Microdata access facilities *(topic 1: access to microdata)* Session Organizer: Aleksandra Bujnowska (*Eurostat*), Janika Tarkoma (*Statistics Finland*) and Steven Thomas (*Statistics Canada*)
10:00	**Romania NIS – Microdata for scientific purposes** Lucian Alexandrescu *(National Institute of Statistics of Romania)*
10:15	**Joint Safe Centre of the Hungarian Central Statistical Office and the Hungarian Academy of Sciences** Zoltán Vereczkei *(Hungarian Central Statistical Office)*
10:30	**Access to microdata in the State Statistical Office of the Republic of North Macedonia** Mirjana Bosnjak, Slobodan Malevski *(State Statistical Office of the Republic of North Macedonia)*
10:45	**Questions to authors**
10:55	**Coffee Break**
11:15	**Virtual data labs - A more flexible approach to access Statistics Canada microdata** Tina Hotton, Kelly Cranswick *(Statistics Canada)*
11:30	**Harnessing the potentiality of microdata access risk management model** Natalia Volkow *(INEGI)*
11:45	**Data Confidentiality in ICBS Research Rooms** Julia Vider *(CBS, Israel)*
12.00	**Accessing Data in the ONS Secure Research Service: A Certification Regime for Remote Connectivity** Andrew Engeli *(Office for National Statistics, UK)*
12:15	**Questions to authors and general discussion**
12:35	**Lunch break**
13:30	## Session: Risk assessment *(topic 3)* Session Organizers: Josep Domingo-Ferrer (Universitat Rovira i Virgili), Krish Muralidhar (University of Oklahoma)
13:35	**Trade-off between Information Utility and Disclosure Risk in GA Synthetic Data Generator** Yingrui Chen, Jennifer Taub, Mark Elliot *(University of Manchester, UK)*

13:50	**The Synthetic Data Challenge** Mark Elliot and Jennifer Taub (*University of Manchester, UK*)
14:05	**10 is the safest number that there's ever been** Felix Ritchie (*University of the West of England, UK*)
14.20	**Questions to authors**
14:30	**Connecting privacy models and statistical disclosure control methods through bistochastic anonymization** Krish Muralidhar (*U.Oklahoma*), Nicolas Ruiz (*OECD*), Josep Domingo-Ferrer (*URV*)
14:45	**Privacy, confidentiality, disclosure: What is the difference?** Krish Muralidhar (*University of Oklahoma*), Rathindra Sarathy (*Oklahoma State University*)
15.00	**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)*)
15:15	**Questions to authors and general discussion**
15:35	**Coffee Break**
15:55	**Session: Confidentiality issues of the Census 2020/2021 round *(topic 6)*** Session Organiser: Eric Schulte Nordholt (Statistics Netherlands)
16:00	**A framework for assessing perturbative methods for protection of Census 2021 data at Statistics Portugal** Ines Rodrigues, Paula Campos and Teresa Fragoso (*Statistics Portugal*)
16:15	**Ensuring data confidentiality of All-Russian Population Census 2020** Anna Troitskaya (*Rosstat*)
16:30	**Questions to authors and general discussion**
16:50	**End of day 1**

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DAY 2 – Wednesday 30 October

09:00	**Reflections from day 1**
09:15	**Session: Tabular data** *(topic 2)* Session organizers: Sarah Giessing (*Destatis*)
09:20	**Concepts for generalising tools implementing the cell key method to the case of continuous variables** Sarah Giessing and Reinhard Tent (*Destatis*)
09:35	**Prodcom disclosure control with non-nested national and european classification** Maxime Beauté, Maël Buron (*Insee*)
09:50	**Using a stabilized Benders algorithm for cell suppression** Daniel Baena, Jordi Castro and Antonio Frangioni (*Universitat Politecnica de Catalunya*)
10:05	**Releasable inner cell frequencies by post-processing protected tabular data** Øyvind Langsrud (*Statistics Norway*)
10.20	**Questions to authors**
10:30	**Coffee Break**
10:50	**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*)
11.05	**Algorithmic Matching Attacks on Optimally Suppresses Tabular Data** Kazuhiro Minami (*The Institute of Statistical Mathematics, Tokyo*)
11.20	**ABS perturbation methodology through the lens of Differential Privacy.** Joseph Chien (*ABS*)
11.35	**Questions to authors and general discussion**
11:55	**Session: Microdata protection** *(topic 1: access to microdata)* Session Organizer: Aleksandra Bujnowska (Eurostat), Janika Tarkoma (Statistics Finland) and Steven Thomas (Statistics Canada)
12.00	**Synthetic data generation for anonymization purposes. Application on the Norwegian Survey on living conditions/EHIS** Johan Heldal and Diana-Cristina Iancu (*Statistics Norway*)
12.15	**Promoting Statistical Disclosure Control for novices: A Handbook** Richard Welpton and Arne Wolters (*The Health Foundation*), Emily Griffiths (*University of Manchester, UK*), James Scott and Christine Woods (*University of Essex, UK*)
12.30	**Questions to authors**
12:40	**Lunch Break[1]**
13:40	**Continued: Microdata protection** *(topic 1: access to microdate)* Session Organizer: Aleksandra Bujnowska (*Eurostat*), Janika Tarkoma (*Statistics Finland*) and Steven Thomas (*Statistics Canada*)

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[1] During the lunch break participants can stay in the main meeting room for the interactive presentation of the materials that accompany A Handbook, by Richard Welpton and Simon Parker.

13.45	**A practice guide for microdata anonymization** Thijs Benschop and Matthew Welch (*World Bank*)
14.00	**Training research output checkers** Felix Ritchie (*University of the West of England, UK*)
14.15	**Creation of synthetic microdata using dummy random variables of high dimension statistics based on big data** Kiyomi Shirakawa, (*Institute of Economic Research, Hitotsubashi University*)
14:30	**Questions to authors and general discussion**
14:50	**Session: Framework for confidentiality *(topic 5)*** Session Organiser: Aleksandra Bujnowska (Eurostat), Janika Tarkoma (Statistics Finland)
14:55	**Understanding personalities in data access decision-making** Richard Welpton *(The Health Foundation)*
15:10	**Successes and Challenges in Increasing Accessibility at Statistics Canada** Steven Thomas *(Statistics Canada)*
15:25	**Evaluation criteria for the selection of a SDC Method** Christiane Seifert, Johannes Rohde *(IT.NRW)* and Sarah Giessing *(Destatis)*
15.40	**Questions to authors**
15:50	**Coffee Break**
16:10	**Crisis management – training, practicing and testing** Janika Tarkoma and Harri Koskinen *(Statistics Finland)*
16:25	**Data protection laws and methods in official statistics** Aleksandra Bujnowska *(Eurostat)*
16:40	**Questions to authors and general discussion**
17:00	**End of day 2**

18.30 – Dinner offered by Statistics Netherlands at the Restaurant Luden Den Haag (Plein 6-7, 2511 CR Den Haag)

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DAY 3 – Thursday 31 October

09:00	**Reflections from day 2**
09:15	**Session: Emerging issues** *(topic 4)* Session Organizers: Josep Domingo-Ferrer *(Universitat Rovira i Virgili)*
09:20	**Comparing methods of safely plotting variables on a map** Y. (Sapphire) Han, Peter-Paul de Wolf and Edwin de Jonge (*Statistics Netherlands*)
09:35	**Privacy Preserving Set Intersection** Guiseppe Bruno and Diana Nicoletti (Bank of Italy), Monica Scannapieco and Diego Zardetto (*Istat*)
09:50	**The Potential of Anonymization Methods for Creating Detailed Geographical Data in Japan** Shinsuke Ito (*Chuo University, Japan*) and Masayuki Terada (*NTT DOCOMO, INC, Japan*)
10.05	**Questions to authors**
10:15	**Protecting consumer privacy in smart metering by randomized response** Bastian Stölb and Josep Domingo-Ferrer (*Universitat Rovira i Virgili*)
10:30	**Challenges and experiences in anonymizing and disseminating microdata from agricultural surveys in the context of the FAO AGRISurvey program** Thijs Benschop, Clara Aida Khalil (*FAO*)
10:45	**Questions to authors and general discussion**
11:05	**Coffee Break**
11:25	**Session: Software tools for statistical data confidentiality** *(topic 7)* Session organizer: Peter-Paul de Wolf (Statistics Netherlands)
11:40	**cellKey - consistent perturbation of statistical tables** Bernhard Meindl *(Statistics Austria)* and Tobias Enderle *(Destatis)*
11:55	**Microdata.no - Safe Access to Register Microdata** Johan Heldal and Svein Johansen *(Statistics Norway)*, Ørnulf Risnes *(Norwegian Centre for Research Data)*
12:10	**Questions to authors and general discussion**
12:30	**Outcome of discussions on future work**
13:00	**Adoption of the report, conclusion of the meeting**
13:30	**End of the meeting**