Joint UNECE/EUROSTAT Work Session on Statistical Data Confidentiality

United Nations Statistical Commission and Economic Commission for Europe
Conference of European Statisticians

European Commission
Statistical Office of the
European Communities
(Eurostat)

Bilbao, Spain, 2-4 December

Basque Government Main Office
Gran Vía, 85, Bilbao

Eustat
EUSKAL ESTATISTIKA ERAKUNDEA
INSTITUTO VASCO DE ESTADÍSTICA

Erakunde autonomiaduna
Organismo Autónomo del
**EUSKO JAURLARITZA
GOBIERNO VASCO**

Wednesday, 2 December 2009

08.15   Registration of delegates

09:00   **Opening of the meeting**; Adoption of the agenda; Designation of officers; Addresses by Eustat; Eurostat; and UNECE   WP.1

09.15   **TOPIC (i): Harmonization of statistical data confidentiality - legal and methodological aspects**
Session Organizer: Aleksandra Bujnowska, Eurostat; Discussant: Rainer Muthmann, Eurostat

Invited papers (15 minutes per paper)

09.15	**UNECE** - Principles and guidelines on confidentiality aspects of data integration	WP.2
09.30	**Eurostat** - Harmonization of statistical confidentiality methods at the EU level	WP.3
09.45	**ECB** - Harmonization of anonymization practices through partially synthetic files	WP.7
10.00	**Germany** - Harmonization of statistical confidentiality between the statistical office of the Länder and the Federal Statistical Office	WP.5

Supporting papers (5 minutes per paper)

10.15	**OECD** - Harmonised labour force and migration statistics based on microdata	WP.8

10.20   **Topic (I): General discussion**

11.10   *Refreshment break (20 minutes)*

11.30   **TOPIC (v): Statistical disclosure control methods for the next census round**
Session Organizer/Discussant: Eric Schulte Nordholt, Netherlands

Invited papers (15 minutes per paper)

11.30	**United Kingdom** - Balancing Risk and Utility - Statistical Disclosure Control for the 2011 UK Census	WP.27
11.45	**United Kingdom/Australia/New Zealand** - Confidentiality plans for the 2011 censuses in the United kingdom, Australia and New Zealand: a comparison	WP.28
12.00	**United States** - Disclosure avoidance techniques for Census 2010 and American Community Survey Five-year Tabular Data Products	WP.29

Supporting papers (5 minutes per paper)

12.15	**Eurostat/Netherlands** - Confidentiality issues in the EU Population and Housing Censuses of 2011	WP.30
12.20	**University of Southampton -** Statistical disclosure control for European census dissemination	WP.31

12.25   **Topic (v): General discussion**

13.10   *Lunch break*

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Wednesday, 2 December 2009

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14.30   TOPIC (iii): Research data centres and virtual labs
Session Organizer/Discussant: Maurice Brandt, Germany

Invited papers (15 minutes per paper)

14.30	**United Kingdom** - Effective researcher management	WP.15
14.45	**Germany** - Improvement of the informational infrastructure - On the way to remote data access in Germany	WP.16
15.00	**Germany** - The ESSnet project - Decentralized access to EU microdata sets.	WP.17
15.15	**University of Essex** - UK Secure Data Service: specifications and challenges of using potentially disclosive data	WP.18
15.30	**Canada** - Development of a real time remote access infrastructure at Statistics Canada	WP.19
15.45	**Netherlands (ESSNet)** - Guidelines for the checking of output in Research Data Centres	WP.20

16.00   Refreshment break (30 minutes)

Supporting papers (5 minutes per paper)

16.30	**United States of America (IRS)** - A new external research program at the U.S. Tax Agency's Statistical Office: background, challenges, possibilities with federal tax data	WP.21

16.35   Topic (iii): General discussion

17.30   EOB

Thursday, 3 December 2009

09:00 TOPIC (ii): Synthetic and hybrid data
Session Organizer: Josep Domingo-Ferrer, Rovira i Virgili University of Tarragona, Spain

Invited papers (15 minutes per paper):
09.00	**University of Kentucky and Oklahoma State University** - Differential privacy for numeric data	WP.9
09.15	**Germany (IAB)** - Synthetic datasets for the German IAB Establishment Panel	WP.10
09.30	**Universitat Rovira i Virgili, Catalonia** - Microaggregation-based numerical hybrid data	WP.11
09.45	**Cornell University** - Title to be announced	WP.12
10.00	**IIIA-CSIC Catalonia** - Dealing with edit constraints in microdata protection: microaggregation	WP.13
10.15	**Italy** - Artificial data through calibration and empirical copulas	WP.14

10.30 Refreshment break (30 minutes)

11.00 Topic (ii): General discussion

12.00 TOPIC (vii): Risk/benefit analysis and new directions for statistical disclosure limitation
Session Organizer: Lawrence H. Cox, United States

Invited papers (15 minutes per paper)
12.00	**United States** - An enhanced framework and decision system for protecting the confidentiality of tabular data	WP.39
12.15	**University of Manchester** - Application of game theory to the understanding of statistical disclosure events	WP.40
12.30	**United States** - The role of transparency in statistical disclosure limitation	WP.41

12.45 Questions

13.00 Lunch break

14.30 Topic (vii) Invited papers cont'd.
14.30	**University of Kentucky** - A common index of similarity for numerical data masking techniques	WP.42
14.45	**University of Southampton** - Assessing disclosure risk under misclassification for microdata	WP.43

15.00 Topic (vii): General discussion

16.00 Refreshment break (30 minutes)

16.30 Panel discussion on suppression vs perturbation
Organizer/Chair: Lawrence H. Cox, United States

18.00 EOB

Friday, 4 December 2009

09:00 **TOPIC (iv): Case studies**
Session Organizer/Discussant: Luisa Franconi, Italy and Sarah Giessing, Germany

Invited papers (15 minutes per paper)

09.00	**Germany** - Synthetic data structure files: development and disclosure control	WP.32
09.15	**Italy -** Smoothing contingency tables to estimate a global risk measure	WP.33
09.30	**Spain** - Microdata perturbation preserving multivariate relations of target categorical variables in the Household Environmental Survey of Eustat	WP.34

Supporting papers (5 minutes per paper)

09.45	**Germany** - Techniques for using Tau-Argus modular on sets of linked tables	WP.35
09.50	**Italy** - Treatment of non-nested hierarchical linked tables in business statistics	WP.36

09.55 **Topic (vi): General discussion**

10.40 *Refreshment break (20 minutes)*

11.00 **TOPIC (iv): Tools and software improvements**
Session Organizer/Discussant: Anco Hundepool, Netherlands

Invited papers (15 minutes per paper)

11.00	**Australia** - Implementing a method for automatically protecting user-defined census tables	WP.22
11.15	**Austria/Vienna University of Technology** - An interactive graphical user interface for microdata protection which allows reproducibility	WP.23
11.30	**Spain** - On open source software for statistical disclosure limitation	WP.24
11.45	**Universitat Politècnica de Catalunya** - A package for L1 controlled tabular adjustment	WP.25

12.00 **Topic (iv): General discussion**

13.00 **Future work, adoption of the report, conclusions of the meeting**

13.30 **End of the meeting**

Evening Social Program

Wednesday, 2 December 2009

Guggenheim Museum visit (free of charge)

20.00
Meeting at the Guggenheim Museum Entrance

20.15
Guided tour

21.30
Cocktail served at the Museum Hall

http://www.guggenheim-bilbao.es/?idioma=en

Thursday, 3 December 2009

Dinner (optional, 35 €)

20.30
Dinner at the Restaurant of the Hesperia-Bilbao Hotel
Address: Campo Volantín, 28