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| UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE**CONFERENCE OF EUROPEAN STATISTICIANS** |  |

**Workshop on Statistical Data Editing**

(Neuchâtel, Switzerland, 18 - 20 September 2018)

# PROVISIONAL AGENDA ANDTENTATIVE TIMETABLE

The meeting will begin on Tuesday, 18 September at 9.30 a.m.
Hotel Beaulac Conference room “Léopold-Robert”, Neuchâtel

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| **Tuesday, 18 September** |
| **Time** | **Topic and documentation** |
| 8:30 | Opening of the registration |
| 9:30 | Opening of the workshop**Daniel Kilchmann (Switzerland)** |
| 9:35 | Opening remarks**Ruth Meier (Switzerland)** |
| 9:45 | Update on the works of the High-Level Group for the Modernisation of Official Statistics **Taeke Gjaltema (UNECE)** |
| Topic (i) Use of administrative data and alternative data sources, including efficient error detection and data editing in the context of an integrated data set**Discussants: Ágnes Andics (Hungary) and Sander Scholtus (Netherlands)** |
| 10:00 | Introduction to the topic**Topic discussants** |
| 10:05 | Preparation for use administrative data sources for Structural Business Statistics**Vesna Šehovac (Bosnia and Herzegovina)** |
| 10:20 | Mass imputation of the attained level of education in the Italian System of Registers **Marco Di Zio (Italy)** |
| 10:35 | Questions to the authors |
| *10:45* | *Break* |
| 11:05 | Consumer expenditure statistics and retail transaction data**Li-Chun Zhang (Norway)** |
| 11:20 | Towards an integrated census-administrative data approach to item-level imputation for the 2021 UK Census**Fern Leather (UK)** |
| 11:35 | Questions to the authors |
| 11:45 | General discussion on topic |
| *12:05* | *Lunch Break* |
| Topic (ii) Quality of editing and imputation processes**Discussants: Sander Scholtus (Netherlands) and Simona Rosati (Italy)** |
| 13:30 | Introduction to the topic**Topic discussants** |
| 13:35 | Some quality indicators of editing and imputations in Household Budget Survey in Bosnia and Herzegovina**Edin Šabanović (Bosnia and Herzegovina)** |
| 13:50  | Providing users of the CANadian Census Edit and Imputation System with a standard method to determine the quality of the imputation process **Andrew Stelmack (Canada)** |
| 14:05 | Questions to the authors |
| 14:15  | A proposal of an evaluation framework for processes based on the use of AD**Fabiana Rocci (Italy)** |
| 14:30  | U.S. Federal Committee on Statistical Methodology Working Group on Transparent Quality Reporting of Editing and Imputation when Integrating Data from Multiple Data Sources**Wendy L. Martinez (USA)** |
| 14:45  | Questions to the authors |
| 14:55 | General discussion on topic |
| *15:15* | *Break* |
| Topic (iii) Reducing cost, and increasing efficiency of data editing**Discussants: Jeroen Pannekoek (Netherlands) and Simona Rosati (Italy)** |
| 15:35 | Introduction to the topic**Topic discussants** |
| 15:40 | Selective editing in the Integrated Business Statistics System (SINTESI)**Fabiana Rocci (Italy)** |
| 15:55 | Implementation of selective editing at SURS**Nejc Jevšnik (the Republic of Slovenia)** |
| 16:10 | Questions to the authors |
| 16:20 | The strategy to treat unique enterprises in the Swiss survey on production and value added**Daniel Assoulin (Switzerland)** |
| 16:35 | Investigating methods of efficient detection of errors in VAT data**Katie Davies (UK)** |
| 16:50 | Questions to the authors |
| 17:00 | General discussion on topic |
| *17:20* | *End of Day 1* |

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| **Wednesday, 19 September** |
| **Time** | **Topic and documentation** |
| Topic (iv) Machine learning in the context of data editing**Discussants: Daniel Kilchmann (Switzerland) and Li-Chun Zhang (Norway)** |
| 09:20 | Introduction to the topic**Topic discussants** |
| 09:25  | Using Machine Learning Techniques to improve single imputation precision**Alexander Kowarik (Austria)** |
| 09:40 | Implementation of artificial intelligence and machine learning methods within the Federal Statistical Office of Germany**Kerstin Lange (Germany)** |
| 09:55 | Two-phase and double-ML for data editing and imputation**Li-Chun Zhang (Norway)** |
| 10:10 | Questions to the authors |
| *10:25* | *Break* |
| 10:45 | Improving Data Validation using Machine Learning**Christian Ruiz (Switzerland)** |
| 11:00 | Text mining on textual fields for classifications purposes**Ahmet Mert Aktas (Turkey)** |
| 11:15 | Questions to the authors |
| 11:25 | General discussion on topic |
| *11:45* | *Lunch Break* |
| Topic (v) Standardisation of editing and imputation methods and systems**Discussants: Pedro Revilla Novella (Spain) and Jeroen Pannekoek (Netherlands)** |
| 13:30 | Introduction to the topic**Topic discussants** |
| 13:35 | Use of Commercial-off-the-Shelf (COTS) Software at the National Agricultural Statistics Service**Darcy Miller (USA)** |
| 13:50 | A standardized approach to editing: Statistics Finland’s metadata-driven editing and imputation service**Rok Platinovsek (Finland)** |
| 14:05 | Questions to the authors |
| 14:15 | A generic validation report for the ESS**Olav ten Bosch (Netherlands)** |
| 14:30 | The evolution of BANFF in the context of modernization**Darren Gray (Canada)** |
| 14:45 | Software demonstration |
| 14:55 | Questions to the authors |
| *15:05* | *Break* |
| 15:25 | Management of data processing processes using metadata**Marek Panfiłow (Poland)** |
| 15:40 | Software demonstration |
| 15:50 | Questions to the authors |
| 15:55 | General discussion on topic |
| 16:15 | Towards a Taxonomy of Statistical Data Editing Methods**Wendy L. Martinez (USA)** |
| 16:30 | Question to the author and discussion |
| 16:40 | Future work group discussion |
| *17:40* | *End of Day 2* |

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| **Thursday, 20 September** |
| **Time** | **Topic and documentation** |
| Topic (vi) Development of new data editing applications and methods**Discussants: Daniel Kilchmann (Switzerland) and Alexander Kowarik (Austria)** |
| 09:00 | Introduction to the topic**Topic discussants** |
| 09:05 | Automatic editing based on a generalised Fellegi-Holt paradigm: a mixed-integer programming approach**Jacco Daalmans (Netherlands)** |
| 09:20 | Improvements of ratio-imputation using robust statistics and machine learning-techniques**Jeroen Pannekoek (Netherlands)** |
| 09:35 | Questions to the authors |
| *09:45* | *Break* |
| 10:05  | An application of selective and automatic editing to the Dutch International Trade in Goods Statistics**Sander Scholtus (Netherlands)** |
| 10:20  | Balanced Imputation for Swiss Cheese Nonresponse**Audrey-Anne Vallee (Switzerland)** |
| 10:35 | Questions to the authors |
| 10:45 | General discussion on topic |
| 11:05 | Future work group summary |
| 11:20 | Closing of the workshop |
| *11:30* | *End of the workshop* |

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