

CONFERENCE OF EUROPEAN STATISTICIANS

UNECE Work Session on Statistical Data Editing
(27 – 29 May 2002, Helsinki, Finland)

INFORMATION NOTE TO PARTICIPANTS

**The UNECE Work Session on Statistical Data Editing will be held in Statistics Finland,
10th floor, Työpajakatu 13, Helsinki,
starting on Monday, 27 May at 9.00**

I. PROVISIONAL AGENDA OF THE MEETING

- (i) Adoption of the agenda.
- (ii) Designation of officers.
- (iii) **Planning and management of statistical data editing**
Invited papers by Canada, Germany, Switzerland and United States, supporting papers from Azerbaijan, Bulgaria, Finland, Israel and United States.
- (iv) **Measuring and evaluating data editing quality**
Invited papers by Canada, Italy and Spain, supporting papers from Austria, Spain, Sweden, United States and University of Southampton (UK)(2).
- (v) **Editing of administrative data**
Invited papers by Finland, University of Southampton (UK) and Israel, supporting papers from Canada, Czech Republic and Finland.
- (vi) **Impact of new technologies on statistical data editing**
Invited papers by Canada, Italy and the Netherlands, supporting papers from Belgium, Finland, University of Southampton (UK), Kyrgyzstan, the Netherlands(2), Poland, United Kingdom and United States (4).
- (vii) Future work.
- (viii) Adoption of the conclusions reached at the Work Session.

II. GENERAL INFORMATION

1. The Conference of European Statisticians, at its 2001 plenary session, included this Work Session in its meeting programme (see CES/2001/34/Add.2, programme element 2.2). The Work Session will be held in English only.
2. All documentation for the meeting will be made available at the following Internet address:

<http://www.unece.org/stats/documents/2002.05.sde.htm>

Hard copies of documents will be sent out to participants only if requested (please indicate your request on the Registration Form, or send an e-mail to diane.serikoff@unece.org). The UNECE Secretariat will inform participants by e-mail when documents become available on the Internet.

3. The agenda items will be considered based on two main categories of papers, **invited papers** and **supporting papers**. The organisers of the meeting have contacted a small number of countries and asked them to prepare invited papers for specific items.
4. All statistical offices and international organizations are welcome to contribute supporting papers to the meeting. **The deadline for all papers is 15 March 2002.** The papers should not exceed 8 pages and should be submitted to the UNECE secretariat in electronic form preferably by e-mail (address: editing.stat@unece.org).
5. The substantive agenda items (iii) – (vi) will be considered under the leadership of Session Discussants. The sessions will begin with the presentation of the invited papers by their authors, followed by a brief question period. Supporting papers will then be introduced by Session Discussants. The authors of the supporting papers will have an opportunity to comment on their contributions, and to answer questions. The authors of both invited and supporting papers are encouraged to contact the Session Discussants in order to prepare a structure of the sessions and efficient discussions. The Session Discussants and their relevant contact information are provided below.

III. EXPLANATORY NOTES TO THE AGENDA

6. The meeting will focus on the substantive topics listed above and which are part of the Programme of Work of the Conference of European Statisticians under the Programme activity 2.

7. Agenda item 3: Planning and management of statistical data editing

Discussant: Leopold Granquist (Statistics Sweden)

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 S-10451 STOCKHOLM
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 Fax: +46-8 5069 4599
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Invited papers:

- *Analysis of data slices & meta data to improve survey processing (Colleen Martin and Claude Poirier, Statistics Canada)*
 - *The relation of data editing to other survey processes (Elmar Wein, Statistisches Bundesamt, Germany)*
 - *The fine tuning and management of the data edit processes of the Swiss population census. (Daniel Kilchmann, The Swiss Federal Statistical Office)*
 - *Evaluating the effect of edit systems on data quality: two case studies (Katherine Jenny Thompson, United States)*
8. For editing to be truly effective, the process must be part of a continuing improvement cycle of the whole survey process. To this end, the editing steps must be properly and systematically planned and managed. The discussion under this section will consider different ways to quantify the effect of data editing and information management for planning, monitoring and fine-tuning the editing processes. The meeting is expected to consider the methods to evaluate the editing and imputation procedures as a prerequisite for the efficient management of data editing. The aim of the discussion is to identify good practices on how to use information from the editing stage in optimising resources devoted to editing and for improving other stages of the survey process.

9. Agenda item 4: Measuring and evaluating data editing quality

Discussant: John Kovar (Statistics Canada)

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9. OTTAWA K1A 0T6
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Invited Papers:

- *Using variance components to measure and evaluate data editing quality (Eric Rancourt, Statistics Canada)*
- *Evaluating editing and imputation processes: the Italian experience (Orietta Luzi, Antonia Manzari, Marco Di Zio, ISTAT, Italy)*
- *An E&I method based on time series modeling designed to improve timeliness (Pedro Revilla, INE, Spain)*

10. Under this topic, the meeting will review aspects of measuring quality of editing and imputation procedures in relation to user and producer needs. The discussion will consider different ways to measure the impact of data editing processes on the various dimensions of quality: timeliness, completeness and accuracy in particular. Specific, operationally efficient indicators that enable the measuring process to take place are of special interest, including those of imputation variance components. The discussion will concentrate on the use of such indicators in managing the editing and imputation process. This will be considered in terms of how to define and measure the quality of the process, how to relate process quality and data quality, how to quantify the level of quality improvement, how to interpret the indicators, and how to establish criteria related to edit hit-rates, edit-prioritisation and edit-stopping rules. An underlying aim of the discussions will be to develop proposals on how to standardise the evaluation methods to form an objective basis for comparing different data editing applications in terms of quality. To this end, proposals for principles for constructing data for monitoring and evaluation of the editing process and for providing benchmark data will be considered.

11. Agenda item 5: Editing of administrative data

Discussant: Håkan Linden (Eurostat) and Claude Poirier (Statistics Canada)

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Addr.: Claude Poirier
Statistics Canada
120 Parkdale Ave.
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Fax: +1-613 951-5711
e-mail: poircla@statcan.ca

Invited papers:

- *Use of administrative data in population censuses (Kaija Ruotsalainen, Statistics Finland)*
- *Editing of data that comes from multiple administrative sources (Pascal Rivière, University of Southampton, United Kingdom)*

- “Smart Editing” of administrative categorical data (Natalie Shlomo, Central Statistical Bureau of Israel)

12. Editing of administrative data, that is data that is collected for other than just statistical purposes, poses unique challenges as well as opportunities. The discussion will consider this special aspect of editing. Empirically based papers are of particular interest, especially those that show how potential difficulties were overcome. Contributions to this topic will, by nature, be data specific. Care should be taken, that proposed methods are portable, that is, that others may usefully learn from the experiences.

13. Agenda item 6: Impact of new technologies on statistical data editing

Discussant: Bill Winkler (U.S. Bureau of the Census)

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WASHINGTON, D.C. 20233-9100
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Invited Papers:

- *The performance of the Canadian Census Edit and Imputation System (CANCEIS)* (Michael Bankier, Statistics Canada)
- *Towards a new system for edit and imputation of the 2001 Italian Population Census data: A comparison with the Canadian Nearest-neighbour Imputation Methodology* (Antonia Manzari, Alessandro Reale, Istat, Italy)
- *UniEdit: Standardised processing of structural business statistics in the Netherlands* (Arjan de Jong, Statistics Netherlands)

14. Under this topic, the discussion is expected to consider new developments in data editing and imputation. Contributions could deal with progress in data editing theory and methodology, as well as with the implementation of specific new techniques and software tools. Achievements in the development of generalised editing and imputation software and in individual tailor-made editing systems are appreciated.

15. Presentations of new methods and techniques should be accompanied with an evaluation of operational feasibility and the organizational issues associated with their implementation. The contributions could also describe on which kind of data and under which circumstances the new method performs best. It would be desirable to distinguish between those methods in the stage of theoretical development, those in the stage of test or pilot projects, and those which are implemented in practice.

16. Identification of potential areas for further research on data editing methods and tools, as well as the role of the editing process in the organisation of the whole survey would be most appreciated.

IV. DEMONSTRATIONS

17. Since only a very limited amount of time can be set aside during the meeting for demonstrations, they will have to be made on the margins of the meeting (e.g. during the lunch break and after the afternoon session ends). To facilitate planning, participants wishing to give a demonstration should inform the UNECE Secretariat well in advance of the meeting and also indicate the requested facilities and equipment for the demonstrations. It should be noted that there will be time for only a limited number of presentations at the meeting.

V. ORGANIZATIONAL INFORMATION

General information

18. The Work Session will be hosted by Statistics Finland. It will take place at the Statistics Finland building on the 10th floor, Työpajakatu 13, Helsinki, starting at 9:00 a.m. on 27 May 2002.

19. To obtain general information about Helsinki and Finland you can visit the following Websites: <http://www.hel.fi/english/> - city of Helsinki homepage (including useful addresses on Internet for travellers in Helsinki and Finland <http://www.hel.fi/tourism/html/english/artikkelit/artikkelit/Useful.html>), www.helsinkiweek.net - Helsinki This Week on-line; www.helsinkiexpert.fi - tourist information; <http://www.worldexecutive.com/cityguides/helsinki/> - World Executive Helsinki Hotel and City Guide; <http://www.aktivist.fi/inenglish/> - Helsinki in English from A to Z; <http://virtual.finland.fi/> - information page maintained by the Ministry for Foreign Affairs.

Currency, Time

20. Local time in Finland is GMT +3 (+2 in summer time).

21. Finland is using Euro (€). Its exchange rate is: US\$ 1 = € 1.108 (January 2002)

Climate

22. The average day temperature of May is about + 15 C in the southern Finland.

Lunch

23. Lunch (price between € 5.4 – 8.4) is available in the restaurant of Statistics Finland on the 2nd floor.

Transportation

From airport to city centre

24. Helsinki-Vantaa airport is located some 20 kilometres north of Helsinki. The cost of a taxi from the airport to the centre of Helsinki is about € 30. You can also take the Finnair bus (€ 4,9) to the City Terminal, located near the main railway station, and then take a taxi from there to your hotel. There are also yellow minibus taxis (Airport Taxi) at the airport that go via different routes depending on the passengers' destinations. The fare is always € 18 per person.

From city centre to Statistics Finland

25. Statistics Finland is situated about 4 kilometres to the north-east from the main Helsinki railway station. The cost of a taxi from the city centre to our office is € 8 – 11.

26. If you decide to use public transportation, the easiest way to get to our office is by bus number 73B or by bus number 68 from the square outside the main railway station (the Railway Station Square). Then you need to take the bus number 73B from platform 5 or the bus number 68 from platform 6. It takes about 10 minutes by bus from the city centre to Statistics Finland. There is a bus stop just in front of our office. If necessary, please ask the driver to stop at **Tilastokeskus** (Statistics Finland in Finnish). A single bus ticket, bought from the driver, costs € 2.

Bus schedule from Railway station square in the morning:

27. Bus no 68: at 8.20, 8.35, 8.51 and bus no 73B: at 8.25, 8.41

Accommodation

28. All participants are responsible for their hotel and travel costs. **Participants are asked to make their own hotel reservations.** Statistics Finland will reserve altogether a quota of 50 single rooms in two hotels of different standard under the reservation code "Statistics Finland".

Hotel information

29. Statistics Finland has a quota of 25 single rooms in the Scandic Hotel Marski and 20 single rooms in the Hotel Helka under the reservation code "Statistics Finland". If you decide to use these hotels, please confirm your reservation with the hotel direct by 25 April 2002 at the latest. Please note when booking, tell the hotel your reservation is under the code "Statistics Finland".

Both of the hotels are located in the centre of Helsinki. Contact information is

Scandic Hotel Marski

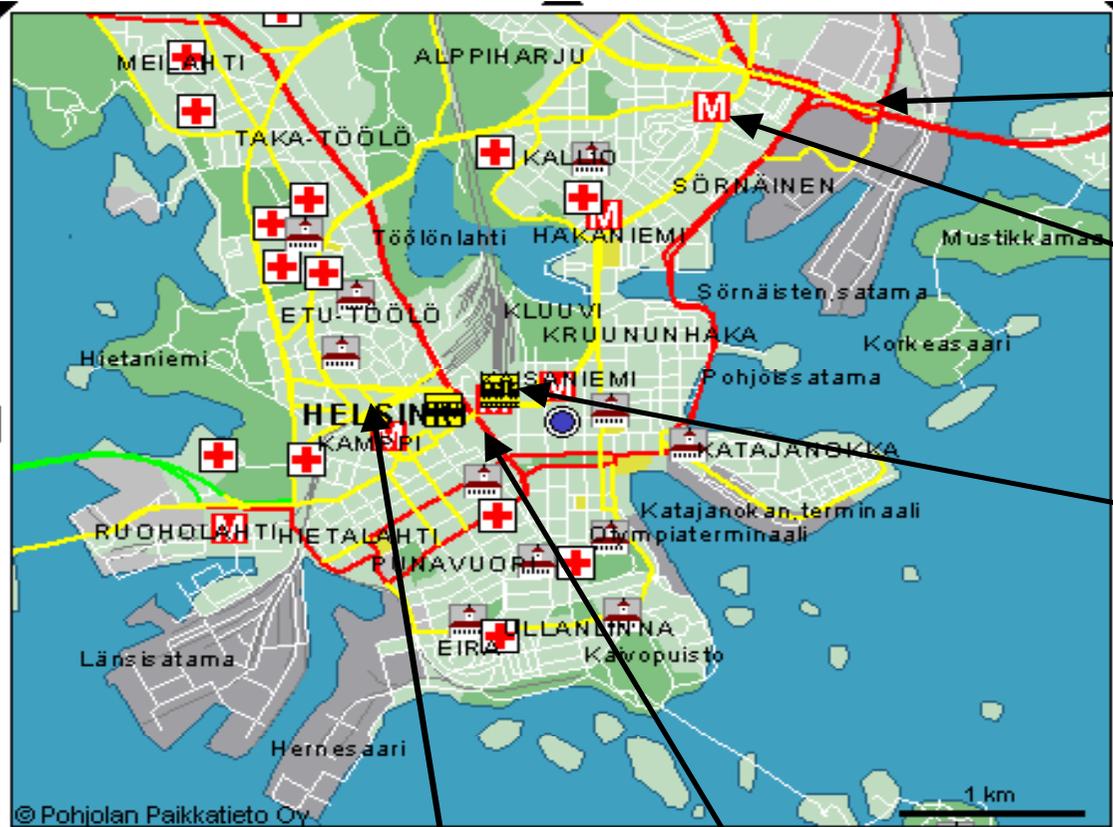
Prices: Single € 106
Double € 166

Street address Mannerheimintie 10
 FIN-00100 Helsinki
 Finland
Tel. +358 9 680 61
Fax: +358 9 64 23 77
E-mail: marski@scandic-hotels.com

Hotel Helka

Prices: Single € 78
Double € 102

Street address: Pohjoinen Rautatiekatu 23
 FIN-00100 Helsinki
 Finland
Tel. +358 9 613 580
 reservation toll free: +358 800 1690 690
Fax +358 9 441 087
E-mail reservations@helka.fi
 www.helka.fi



Tilastokeskus
 Statistics Finland
 Työpajakatu 13

Metro Sörnäinen
 Corner of
 Hämeentie and Helsinginkatu

Railway station,
 buses 73B and 68 to Tilastokeskus

Hotel Helka
 Pohjoinen Rautatienkatu 23

Hotel Marski
 Mannerheimintie 10

More details:
http://kartta.hel.fi/kktesti/osoitehakuen/defaultIE_NS.asp



Additional information

30. The correspondence regarding the programme and organisation of the Work Session should be addressed to:

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31. Correspondence concerning the practical arrangements in Helsinki should be addressed to:

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REGISTRATION FORM

This form should be completed in duplicate by each participant
and returned **by 15 March 2002**

1 copy to:

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1 copy to:

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Tel.: +358-9 1734 3634

Fax: +358-9 1734 2474

e-mail: seppo.laaksonen@stat.fi

1. Surname (Family name)	2. First name
3. Representing (country or organization)	4. Title
5. Mailing address	
6. Tel. No.	7. Fax No.
8. E-mail address:	
9. Requested way of receiving documentation: <p style="text-align: center;">Paper form ~ Internet ~</p>	
10. Name of your hotel in Helsinki <p style="text-align: center;">Scandic Hotel Marski ~ Hotel Helka ~ Other (please specify) ~ </p>	
11. Date and time of arrival in Helsinki	12. Date and time of departure from Helsinki
13. Special dietary or other requirements:	

Date _____

Signature _____