ICES V
GENEVA, SWITZERLAND

20–23 June 2016

FIFTH INTERNATIONAL CONFERENCE ON ESTABLISHMENT SURVEYS (ICES-V)

Methods and Practices for Statistics on Businesses, Farms and Institutions

PROGRAM

www.ices-v.ch
ices-v@bfs.admin.ch

WELCOME TO GENEVA

We warmly welcome you to Geneva for the Fifth International Conference on Establishment Surveys (ICES-V).

Continuing in the traditions of ICES-I to ICES-IV, ICES-V intends to explore new areas of business statistics as well as reflect state-of-the-art practices at the time of holding the conference.

Situated for the first time in Europe, in the beautiful surroundings of the canton and city of Geneva, ICES V is expected to be attractive to professionals and researchers in the area of statistics on businesses, farms and institutions throughout the world.

We hope that you will enjoy the comfort of the venue, the "Centre international de Conférences Genève" and fully benefit from the rich program that has been prepared for you.

On behalf of the
Organizing Committee:

Boris Lorenc and **Jean-Pierre Renfer**

Co-chairs

On behalf of the
Program Committee:

Polly Phipps

Chair

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COMMITTEES

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Sandrine Rochat, *Swiss Federal Statistical Office*
Daniel von Burg, *Swiss Federal Statistical Office*

PRACTICAL INFORMATION

REGISTRATION & ACCOMMODATION DESK

The registration and accommodation desk is open during
the following hours:

Monday 20th 8:00–17:30
Tuesday 21st 8:00–17:30
Wednesday 22nd 8:00–18:30
Thursday 23rd 8:00–17:30

Registered participants are provided access to all: the sessions, confer-
ence documents (including name badge, conference program; short
course material for short courses participants), welcome drink, coffee
and tea refreshments, lunches, conference dinner, access to the exhi-
bition area. Registered participants are not provided: accommodation,
travel expenses, personal insurance.

NAME BADGE

Conference badges must be worn at all times during conference activities.
The badge is required for admission to sessions and social activities that
are included in the registration.

LUNCH

Lunches are included in the registration fee. The restaurant is
located on the 1st floor.

WIFI

Wireless internet will be available in the conference center.
Username: ICESV – Password: 2016

CONTACT

Conference SECRETARIAT
Kuoni Congress
Geneva Business Center
Avenue des Morgines 12
CH-1213 Petit-Lancy
Switzerland
Phone: +41 (0)58 702 62 97
E-mail: ices-v@ch.kuoni.com

CONFERENCE VENUE

All conference rooms are located at the Centre
International de Conférences Genève (CICG).

Centre International de Conférences
Genève CICG
Rue de Varembé 17
1211 Geneva 20
Phone: +41 (0)22 791 91 11

The access is facilitated by excellent public transport services. The CICG
is situated only 4 km away from the international airport and 1 km from
the Cornavin main railway station, downtown.

HOW TO REACH THE CICG

– From Cornavin main railway station:
  Tram no. 15 (Palettes): stop "Nations"
  Bus no. 5 (Aéroport): stop "Vermont"
  Bus no. 8 (OMS): stop "UIT"

– From the international airport:
  Bus no. 5 (Thônex-Vallard): stop "Vermont"
  Bus no. 28 (Jardin Botanique): stop "Nations"

WHERE TO PARK YOUR CAR

Parking des Nations, Les Genêts, 1202 Genève
(5 min. walking distance to CICG)

CICG LOCATION
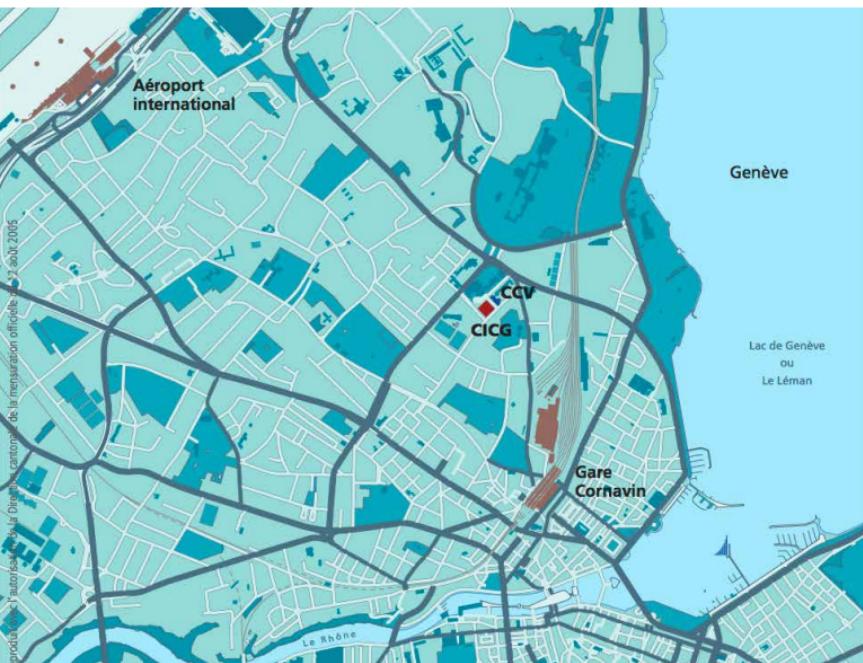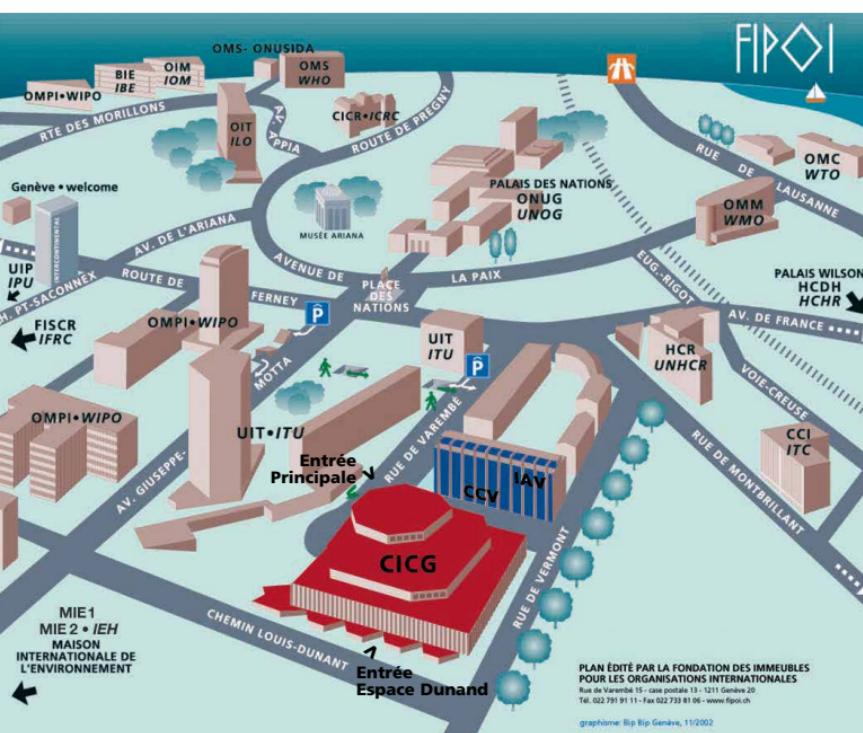
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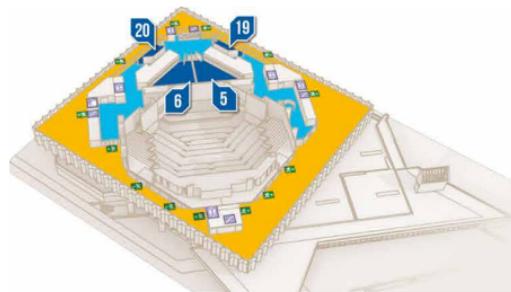
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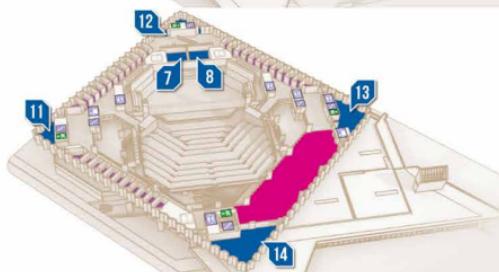
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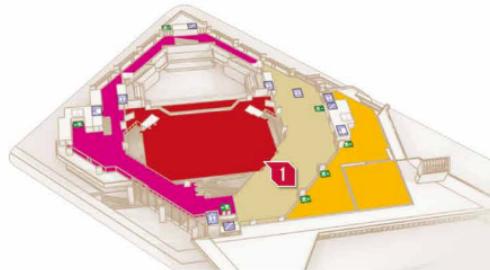
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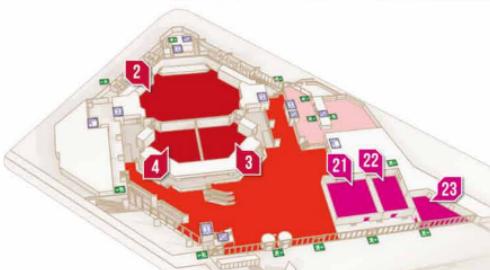
*Level 0: Entrance, Lobby
(Registration & Information)*

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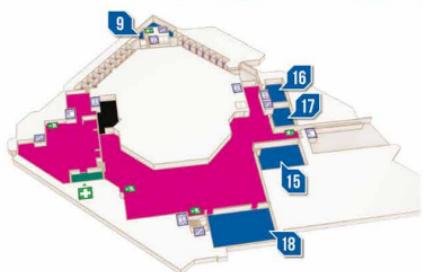
PLENARY TALK

TUESDAY, 21 JUNE 2016, FROM 09:00 TO 10:10

Economic Statistics: How to Become Lean and Mean

Peter van de Ven
Head of National Accounts, Statistics Directorate
Organisation for Economic Co-operation and
Development

Peter van de Ven is Head of National Accounts
in the Statistical Directorate of the Organiza-
tion for Economic Co-operation and Develop-
ment. In 1984, he started his career at Statistics Netherlands, in the
area of National Accounts. After various positions in the field of national
accounts and government finance statistics, he was Director of National
Accounts, from 2003 up to 2011. In 2011, he joined the OECD, in his cur-
rent position. He is responsible for (non-financial and financial) national
accounts, prices and Purchasing Power Parities, environmental account-
ing and Composite Leading Indicators.

Peter van de Ven has always been heavily involved in international dis-
cussions on the enhancement of statistics more generally, and national
accounts in particular. Amongst others, he was chair of the EU Commit-
tee on Monetary, Financial and Balance of Payments Statistics (CMFB),
in 2009–2010, chair of the International Association for Research on
Income and Wealth (IARIW), from August 2010 to August 2012, mem-
ber of the Advisory Expert Group on National Accounts from its start,
and member of the UN Committee of Experts on Environmental-Eco-
nomic Accounting. From September 2011 up to February 2014, he was
also chair of the Inter Secretariat Working Group on National Accounts
(ISWGNA). Presently, he is chair of the Inter Secretariat Working Group
on Price Statistics (IWGPS).

PLENARY TALK

THURSDAY, 23 JUNE 2016, FROM 15:50 TO 17:00

Onward and Upward with Multiple Data Sources for Business Statistics

Constance F. Citro
Director, Committee on National Statistics
U.S. National Academies of Sciences,
Engineering, and Medicine

Constance F. Citro is director of the Committee on National Statistics, a standing unit at the U.S. National Academies of Sciences, Engineering, and Medicine. CNSTAT carries out studies for U.S. agencies to help improve the information on which policy decisions are based and coordinate the very decentralized U.S. statistical system. Dr. Citro was previously senior study director with CNSTAT from 1984–2004 and, prior to joining CNSTAT, vice president of Mathematica Policy Research, Inc., and Data Use and Access Laboratories, Inc. She is a fellow of the American Statistical Association and an elected member of the International Statistical Institute. She received the Roger Herriot Award for Innovation in Federal Statistics in 1997 and the Waksberg Award in Survey Methodology in 2014.

For CNSTAT, Dr. Citro has directed many evaluations of censuses and surveys and co-edited the 2nd – 5th editions of Principles and Practices for a Federal Statistical Agency. During her tenure as director, CNSTAT has reviewed surveys of state and local government employment and finance, farm finances, commercial buildings energy consumption, and business R&D expenditures. CNSTAT is currently reviewing the Census Bureau's annual economic surveys and conducting a multi-year study of using multiple data sources to improve official statistics.

PROGRAM OVERVIEW

Monday, 20 June 2016

0800–1730	Registration
0800–0900	Short courses check in
0900–1030	Short courses in session
1030–1050	Short courses coffee break
1050–1220	Short courses in session
1220–1350	Short courses lunch break
1350–1520	Short courses in session
1520–1540	Short courses tea break
1540–1650	Short courses in session
1700–1900	Opening ceremony and welcome reception

Tuesday, 21 June 2016

0800–1730	Registration	
0900–1010	Keynote speaker Peter van de Ven	
1010–1040	Coffee break	
1040–1220	6 parallel sessions	Software demonstrations session 1
1220–1340	Lunch	
1340–1520	6 parallel sessions	Software demonstrations session 2
1520–1550	Tea break	
1550–1730	6 parallel sessions	
1800–2000	Geneva walking tour	

Wednesday, 22 June 2016

0800–1830	Registration	
0830–1010	6 parallel sessions	
1010–1040	Coffee break	
1040–1220	6 parallel sessions	Software demonstrations session 3
1220–1340	Lunch	
1340–1520	6 parallel sessions	Software demonstrations session 4
1520–1550	Tea break	
1550–1730	6 parallel sessions	
1730–1830	ICES General Assembly	

Thursday, 23 June 2016

0800–1730	Registration
0830–1010	6 parallel sessions
1010–1040	Coffee break
1040–1220	6 parallel sessions
1220–1340	Lunch
1340–1520	6 parallel sessions
1520–1550	Tea break
1550–1700	Keynote speaker Constance Citro
1700–1730	Closing ceremony
1830–2230	Cash bar and conference dinner

Monday, 20 June

08:00–17:30 *Registration*

09:00–10:30 **Short courses in session**

Room 5	*1-Designing and Conducting Business Survey Data Collection*	**G. Snijkers,** Statistics Netherlands **G. Haraldsen,** Statistics Norway **D. Willimack,** US Census Bureau
Room 6	*2-Establishment Survey Sample Design and Estimation*	**K. Copeland,** National Opinion Research Center at the University of Chicago
Room 16	*3-Optimal Sampling, with Application to Business Surveys*	**P. Falorsi, P. Righi,** Istat
Room 18	*4-Record Linkage*	**T. Tuoto, M. Scanu,** Istat
Room 15	*5-Small Area Estimation*	**P. Ardilly,** INSEE
Room 14	*6-Robust estimation in the presence of influential units in business surveys*	**J. Beaumont,** Statistics Canada **D. Haziza,** Université de Montréal

10:30–10:50 *Coffee break*

10:50–12:20 **Short courses in session. Same as above**

12:20–13:50 *Lunch*

13:50–15:20 **Short courses in session. Same as above**

15:20–15:40 *Tea break*

15:40–16:50 **Short courses in session. Same as above**

17:00–19:00 **Opening Ceremony and Welcome Reception**

Tuesday, 21 June

08:00–17:30	*Registration*

09:00–10:10 *Room 2*	**Keynote session:** Keynote 1

	Chair: Jean-Pierre Renfer, Swiss Federal Statistical Office
	Economic Statistics: How to Become Lean and Mean — **P. van de Ven,** OECD

Parallel Sessions

10:10–12:20 *Room 21*	**Software presentation:** Software Demonstrations 1

Sharemind, Rmind and the secure survey system	**B. Kubo,** Cybernetica AS
R package vardpoor	**M. Liberts,** Central Statistical Bureau of Latvia
Enhancing Survey Data Quality With Surveybe	**S. Broadbent,** Economic Development Initiatives (EDI) Limited
timeseriesdb: Manage and Archive Time Series Data in Establishment Statistics with R and PostgreSQL	**M. Bannert,** Swiss KOF Economic Institute

10:10–10:40	*Coffee break*

10:40–12:20 *Room 2*	**Introductory overview lecture:** Questionnaire design and response burden

	Chair: Gustav Haraldsen, Statistics Norway
Questionnaire Design for Business Surveys	**J. McCarthy,** National Agricultural Statistics Service
Response Burden in Business Surveys	**M. Bavdaz,** University of Ljubljana

10:40–12:20 *Room 4*	**Invited session:** Methods for Overcoming Challenges in Sampling of Establishments

	Chair: Daniell Toth, US Bureau of Labor Statistics **Discussant:** Dan Hedlin, Stockholm University **Organizer(s):** Daniell Toth, US Bureau of Labor Statistics

Balanced sampling in surveys	**D. Haziza,** Université de Montréal G. Chauvet, É. Lesage
The Swiss Coordination System for Business Surveys	**Y. Tillé,** University of Neuchatel **L. Qualité,** Swiss Federal Statistical Office

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10:40–12:20
Room 5

Invited session: Global Value Chains and the measurement of the interconnectedness of economies

Chair: Martin Luppes, Statistics Netherlands
Discussant: Axel Behrens, Eurostat Luxembourg
Organizer(s): Martin Luppes, Statistics Netherlands

Accounting for firm heterogeneity in Global Value Chains: from micro data to extended international economic accounts	**F. Fortanier,** OECD N. Ahmad
Asymmetries, Micro-Data Linking and Business Registers	**R. Jansen,** United Nations Statistics Division
Measuring international orientation of enterprises – results from an European micro-data linking project	**P. Nielsen,** Statistics Denmark

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10:40–12:20
Room 3

Topic contributed session: Innovations in nonresponse adjustment methods

Chair: Kennon Copeland, NORC at the University of Chicago
Organizer(s): Laura Bechtel, US Census Bureau

Handling Nonresponse in Model-Based Cut-off Samples via Prediction-Based Imputation	**S. Adeshiyan,** U.S. Energy Information Administration
Imputations' Reaction to Data: Exploring the Boundaries and Utility of IVEware and Iterative Sequential Regression (ISR)	**D. Miller,** National Agricultural Statistics Service J. Lisic, A. Dau
Exact balanced random imputation	**G. Chauvet,** ENSAI W. Do Paco
Hot Deck Imputation: How Many Times Can or Should a Donor Be Used?	**L. Bechtel,** US Census Bureau K. Thompson, Y. Gonzalez
A discussion of weighting procedures for unit nonresponse	**E. Lesage,** INSEE D. Haziza

10:40–12:20
Room 6

Contributed session: Frame creation and maintenance

Chair: Paul-André Salamin, University of Applied Sciences and Arts Western Switzerland

Creating and maintaining business registers	**F. Sala,** Institute of Statistics Albania
The French business registers system : How to improve the quality of the statistics by combining different statistical units	**O. Haag,** INSEE
Handling survey feedback in business statistics	**F. Jonsson,** Statistics Sweden E. Elvers, J. Brewitz
The longitudinal aspect of enterprises; continuity on the basis of employees	**W. Kloek,** Eurostat R. Konen
Creating a Statistical Business Register in Mexico	**A. Blancas,** Instituto Nacional de Estadística y Geografía de México S. Pérez

12:20–13:40   *Lunch*

Parallel Sessions

13:40–15:20
Room 2

Introductory overview lecture: Use of administrative data in statistical outputs

Chair: Daniel Lewis, UK Office for National Statistics

Editing and Imputation of Administrative Data	**J. Hoogland**, Statistics Netherlands
Use of Administrative Data in Statistical Outputs: Survey Estimation	**W. Yung,** Statistics Canada

13:40–15:20
Room 3

Invited session: New directions using robust estimation in establishment surveys

Chair: Katherine J. Thompson, US Census Bureau
Discussant: David Haziza, Université de Montréal
Organizer(s): Mary Mulry, US Census Bureau

Outlier robust small domain estimation via a bounded bootstrap	**R. Chambers,** University of Wollongong P. Mokhtarian

Improved scale estimation for Huber M-quantiles	**J. Dawber,** University of Wollongong N. Tzvidis, N. Salvati
Practical outlier detection in business surveys using robust estimation	**V. Todorov,** United Nations Industrial Development Organization
Setting M-estimation parameters for detection and treatment of influential values	**M. Mulry,** US Census Bureau et al.

13:40–15:20 Room 4	**Invited session:** Sampling, recruitment and interviewing in the development and testing of business survey questionnaires

Chair: Glenn White, National Academy of Sciences – Committee on National Statistics
Discussant: Ger Snijkers, Statistics Netherlands
Organizer(s): Jacqui Jones, Office for National Statistics, Paul Smith, University of Southampton

Sampling and recruitment in cognitive interview studies for establishment surveys	**P. Smith,** University of Southampton R. James, M. Bavdaz
Design of data collection in cognitive interview studies for establishment surveys	**D. Moore,** Washington State University et al.
Analyses and reporting in cognitive interview studies for establishment surveys	**M. Bavdaz,** University of Ljbubljana et al.

13:40–15:20 Room 5	**Topic contributed session:** Small, large, factoryless, international: Measuring business heterogeneity in the global economy

Chair: Nadim Ahmad, OECD
Organizer(s): Mariarosa Lunati, OECD

Addressing users' needs: Statistics on the internationalisation of small and medium-sized enterprises	**M. Lunati,** OECD
Identifying Factoryless Goods Production in the U.S. Statistical System	**W. Mockovak,** US Bureau of Labor Statistics et al.
Data linking and globalisation: Eurostat's project EuroGroups Register (EGR)	**A. Liotti,** Eurostat Z. Volfinger, S. Maus
The Global Legal Entity Identifier System (GLEIS): the approach of INSEE	**P. Schuhl,** INSEE

13:40–15:20
Room 6

Contributed session: Sample design and methods

Chair: Desislava Nedyalkova, Swiss Federal Statistical Office

The use of spatial sampling to conduct representative firm surveys	**D. Giuliani,** University of Trento et al.
New sampling design for the Swiss Job Statistics	**J. Nicoletti,** Swiss Federal Statistical Office D. Assoulin
Local Pivotal Methods for Large Surveys	**N. Cruze,** National Agricultural Statistics Service J. Lisic
PPS sampling with panel rotation for estimating price indices on services	**A. van Delden,** Statistics Netherlands S. Scholtus, J. Burger

13:40–15:50
Room 21

Software presentation: Software Demonstrations 2

RPMS (Recursive Partitioning for Modeling Survey Data), a package in R: Modeling Survey Data with Regression Trees	**D. Toth,** US Bureau of Labor Statistics
Employees Tracker Software	**D. Sonino,** Israel Central Bureau of Statistics
Pogues & Eno generator: Specify and view a web questionnaire generated from its formal description	**T. Dubois,** INSEE
The R sampling package	**Y. Tillé,** University of Neuchatel A. Matei

15:20–15:50   *Tea break*

Parallel Sessions

15:50–17:30
Room 2

Introductory overview lecture: Adaptive design

Chair: Stephen Kaputa, US Census Bureau

Responsive Design and Paradata: Paradata-Based Quality Indicators	**J. Wagner,** University of Maryland
Responsive Data Collection Design: Tailoring Fieldwork Effort	**B. Schouten,** Statistics Netherlands and Utrecht University A. Luiten

15:50–17:30
Room 3

Invited session: Integration of data sources: processing and estimation

Chair: Beat Hulliger, University of Northwestern Switzerland
Discussant: Ton de Waal, Statistics Netherlands & Tilburg University
Organizer(s): Ton de Waal, Statistics Netherlands & Tilburg University

Selective editing of multisource data based on latent class models	**M. Di Zio,** Istat U. Guarnera, R. Varriale
How do I-SEE: Integrated Sampling, Editing and Estimation?	**L. Zhang,** University of Southampton, Statistics Norway
Removing the Gap between Annual and Sub-Annual Statistics based on Different Data Sources	**J. Daalmans,** Statistics Netherlands et al.

15:50–17:30
Room 5

Invited session: Modernizing Statistical Production in Establishment Surveys through Standardization

Chair: Steven Vale, United Nations Economic Commission for Europe
Discussant: Daniel Gillman, US Bureau of Labor Statistics
Organizer(s): Daniel Gillman, US Bureau of Labor Statistics

Modernization at the US Census Bureau	**W. Hazard,** US Census Bureau
How metadata systems support the modernization of statistical production: the Istat experience	**M. Signore,** Istat et al.
Benefits of the handbook on business statistics; a first assessment	**Á. Andics,** Hungarian Central Statistical Office et al.

15:50–17:30
Room 4

Topic contributed session: Identifying characteristics of establishment response to inform data collection

Chair: Polly Phipps, US Bureau of Labor Statistics
Organizer(s): Polly Phipps, US Bureau of Labor Statistics

Developing Response Metrics for the 2017 U.S. Economic Census	**R. Struble,** US Census Bureau E. Fink, J. Lineback
An Analysis of Business Response Burden and Response Behaviour Using a Register of Data Provision	**B. Lorenc,** Statistics Sweden
Identifying Characteristics of Establishment Nonresponse in a Longitudinal Survey	**M. Earp,** US Bureau of Labor Statistics et al.

Adaptive Design in an Establishment Survey: Targeting, Applying and Measuring "Optimal" Data Collection Procedures in the Agricultural Resource Management Survey	**T. Wilson,** National Agricultural Statistics Service J. McCarthy, A. Dau

15:50–17:30
Room 6

Contributed session: Measuring respondent burden

Chair: Lionel Qualité, Swiss Federal Statistical Office

Systematic measurement and monitoring of the response burden for business surveys and setting up the database for response burden indicators and standardised reporting on response burden	**E. Belak,** Statistical Office of the Republic of Slovenia D. Oblak
Developments in measuring the burden placed on businesses responding to statistical surveys	**A. Tucker,** UK Office for National Statistics et al.
The Relationship Between Response Burden and the Mode of Data Collection in Business Surveys: Experiences from the Finnish Road Freight Survey	**J. Rouhunkoski,** Statistics Finland P. Godenhjelm

15:50–17:30
Room 13

Contributed session: Using the new data environment

Chair: Peter Struijs, Statistics Netherlands

BigData techniques supporting a short-term statistics survey	**T. Klimanek, K. Potocki,** Statistical Office in Poznan J. Kowalewski
Opportunities and Challenges for using Big Administrative Data	**D. Talan,** Bureau of Labor Statistics
Primary Care Team Cohesion and Performance Outcomes for CVD Patients as Reflected in the Electronic Health Record	**M. Mundt,** University of Wisconsin-Madison L. Zakletskaia
Incorporating Mobile Mapping Instruments in the June Agricultural Survey Data Collection Effort	**D. Abreu,** National Agricultural Statistics Service et al.
Redesigning surveys and the data collection process using administrative data	**S. Biffignandi,** University of Bergamo A. Bianchi

18:00–20:00   *Geneva walking tour*

Wednesday, 22 June

08:00–18:30 Registration

Parallel Sessions

08:30–10:10 **Introductory overview lecture:** Imputation methods
Room 4

Chair: Darcy Miller, National Agricultural Statistics Service

Single Imputation	**T. de Waal,** Statistics Netherlands
Multiple Imputation	**R. Andridge,** Ohio State University

08:30–10:10 **Invited session:** Adaptive Business Survey Design
Room 2

Chair: Barry Schouten, Statistics Netherlands and Utrecht University
Discussant: Daniell Toth, US Bureau of Labor Statistics
Organizer(s): Barry Schouten, Statistics Netherlands and Utrecht University

Adaptive Design Strategies for Nonresponse Follow-Up in Economic Surveys	**S. Kaputa,** US Census Bureau K. Thompson, L. Bechtel
Use of nonresponse indicators in the Swedish Turnover in the Service Sector (TSS)	**O. Ståhl,** Statistics Sweden P. Lundquist, A. Lindblom
Aspects of Adaptive Total Design for O*NET	**P. Biemer,** RTI International M. Berzofsky, J. Unangst

08:30–10:10 **Invited session:** International Trade & Globalisation
Room 13

Chair: Steve MacFeely, UNCTAD
Discussant: Ronald Jansen, United Nations Statistics Division
Organizer(s): Steve MacFeely, Hubert Escaith, Mondher Mimouni, Joint UNCTAD-WTO-ITC proposal

The Challenges of Understanding International Trade in the Developing World	**A. Nicita,** University College Cork S. MacFeely
Bilateral trade asymmetries, micro-data linking and the importance of national and global business registers	**R. Jansen,** UNSD
Analysing non-tariff measures: a survey-based approach	**A. Benzakri,** ITC et al.

08:30–10:10 *Room 5*	**Topic contributed session:** New approaches to research and development supporting establishment survey redesign	
	Chair: Kathleen Ott, National Agricultural Statistics Service **Organizer(s):** Jennifer Beck, Alfred D Tuttle, US Census Bureau	
	Using a collaborative approach and multi-method research to re-engineer a census of businesses	**J. Beck,** US Census Bureau et al.
	Using the respondents' perspective in redesigning the survey on international trade in goods	**M. Geurden-Slis,** Statistics Netherlands D. Giesen, L. Houben
	Questionnaire Communication with Businesses; A Case Study	**G. Haraldsen,** Statistics Norway
	Generating business survey questionnaires using active metadata	**T. Dubois,** INSEE

08:30–10:10 *Room 3*	**Contributed session:** Estimation using administrative data	
	Chair: Jean-Marc Nicoletti, Swiss Federal Statistical Office	
	Adjusting for Calendar Effects in Payroll Hours and Earnings Series	**N. Hudson,** US Bureau of Labor Statistics J. Mercurio
	Occupational Injuries and Employer Dynamics	**N. Nestoriak,** US Bureau of Labor Statistics
	Flash estimates for short term statistics	**A. Meraner,** Statistics Austria M. Fröhlich, A. Kowarik
	Automatic balancing of the national accounts	**A. Lennmalm,** Statistics Sweden et al.

08:30–10:10 *Room 6*	**Contributed session:** Mixed mode data collection	
	Chair: Martin Karlberg, Eurostat	
	Web Collection in the Quarterly Census of Employment and Wages Program	**S. Stang,** US Bureau of Labor Statistics E. Thomas
	Is moving establishment surveys from mail to web a good or bad decision in terms of perfomance and data quality	**G. Haas,** Institute for Employment Research et al.
	The efficiencies of fax in surveys of clinical establishments: observations from a multi-mode survey of Ambulatory Surgery Centers	**N. Teixeira,** Westat et al.

Use of mixed modes in establishment surveys: associated establishment characteristics and differences in survey responses in the 2014 National Study of Long-Term Care Providers	**M. Sengupta,** National Center for Health Statistics L. Harris-Kojetin
From Experimental Testing to Reality: Outcomes from Mixed-mode Implementation of the 2014 National Survey of Business Competitiveness	**D. Moore,** Washington State University T. Wojan

Parallel Sessions

10:10–12:20 Room 21	**Software presentation:** Software Demonstrations 3

The %everest SAS macro: a tool for variance estimation in business surveys	**M. Chevalier,** INSEE
OptimStrategy: On the decision about the sampling strategy	**E. Bueno,** Stockholm University
ArcGIS: Modernization of National Statistical Office Business Processes using GIS	**L. A. Peters, B. Piersol,** ESRI

10:10–10:40	*Coffee break*

10:40–12:20 Room 3	**Introductory overview lecture:** Economic classification – industry/activity vs. product
	Chair: Wesley Yung, Statistics Canada

Part 1 – Overview of Industry/ Activity and Product Classification Systems in North America and Europe	**K. Blomqvist,** Statistics Sweden A. Baer
Part 2 – Practical Applications of Economic Classification Systems for Establishment Surveys	**A. Baer,** US Census Bureau K. Blomqvist

10:40–12:20 *Room 4*	**Invited session:** Statistical inference in the presence of missing survey data: a CANSSI session	
	Chair: David Haziza, Université de Montréal **Organizer(s):** David Haziza, Université de Montréal	
	Statistical matching using fractional imputation	**J. Kim,** Iowa State University
	Analysis of Ordinal Survey Responses with Missing Values	**C. Wu,** University of Waterloo X. She
	Robust inference in two-phase sampling designs with application to unit nonresponse	**J. Beaumont,** Statistics Canada D. Haziza, C. Favre Martinoz

10:40–12:20 *Room 2*	**Invited session:** The Future of Statistical Units	
	Chair: Norbert Rainer, Statistics Austria **Discussant:** Steven Vale, United Nations Economic Commission For Europe **Organizer(s):** Peter Struijs, Statistics Netherlands	
	The desired future system of statistical units from the perspective of Business Statistics	**P. Struijs,** Statistics Netherlands
	The desired future system of statistical units from the perspective of National Accounts	**S. Mahajan,** UK Office for National Statistics
	The desired future system of statistical units from the perspective of globalisation	**P. Nielsen,** Statistics Denmark

10:40–12:20 *Room 5*	**Topic contributed session:** Quality, analytic potential and accessibility of linked administrative, survey and commercial data	
	Chair: David Talan, US Bureau of Labor Statistics **Organizer(s):** Manfred Antoni, Institute for Employment Research, Nuremberg	
	Longitudinal administrative labour market data – Origin, preparation and access	**A. Schmucker,** Institute for Employment Research M. Antoni
	Using administrative data for innovative survey designs: The case of linked employer-employee data on further training in Germany	**M. Huber,** Institute for Employment Research A. Schmucker
	Management Practices and Firm Performance – An Establishment Survey amongst German Managers	**M. Laible,** Institute for Employment Research S. Broszeit

| Combining commercial firm data with administrative employer-employee data – methodological challenges of linkage, preparation and anonymization | **M. Antoni,** Institute for Employment Research
M. Laible |

| 10:40–12:20
Room 6 | **Contributed session:** Administrative data quality issues |

Chair: Manisha Sengupta, CDC/National Center for Health Statistics

Using administrative data in establishment surveys in Statistics Finland calculating monthly index of industrial production (IPI)	**K. Rautio,** Statistics Finland
Swiss Structural Business Statistics: Data Harmonization for the Construction of Full-time Equivalents	**D. Nedyalkova,** Swiss Federal Statistical Office D. Assoulin
Can administrative tax return data be used to substitute survey data? An assessment of editing and imputing tax data to ensure data quality	**C. Gaughan,** UK Office for National Statistics
How hard is it to count? Reconciling monthly survey and administrative data: experiences from the Current Employment Statistics program	**S. Mance,** US Bureau of Labor Statistics C. Manning
Surveys on spatial populations of firms in presence of locational errors	**M. Dickson,** University of Trento et al.

| 12:20–13:40 | Lunch |

| | *Parallel Sessions* |

| 13:40–15:20
Room 2 | **Invited session:** Establishing and maintaining a relationship with businesses: respondent advocate/ombudsman experiences and response burden management |

Chair: Ger Snijkers, Statistics Netherlands
Discussant: Norbert Rainer, Statistics Austria
Organizer(s): Ger Snijkers, Deidre Giesen, Statistics Netherlands

| Respondent advocacy at Statistics New Zealand | **R. Penny,** Statistics New Zealand, *Presenter is not an author
P.Brown |

Respondent Outreach Practices at the US Census Bureau	**C. Brady,** US Census Bureau
Response burden management at Statistics Netherlands	**A. Vaasen Otten,** Statistics Netherlands D. Giesen
Business Respondent Advocacy at Statistics Canada: Where we've been and where we're going?	**D. Ravindra,** Statistics Canada, ***Presenter is not an author** M. Vella

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13:40–15:20
Room 3

Invited session: New Approaches for Agricultural Surveys

Chair: Michael Steiner, National Agricultural Statistics Service
Discussant: Calogero Carletto, World Bank, Rome
Organizer(s): Michael Steiner, National Agricultural Statistics Service

Agricultural Surveys in the Republic of Georgia	**M. Guntsadze,** National Statistics Office of Georgia M. Steiner
Use of administrative data with the survey of wineries	**E. Laczka,** Hungarian Central Statistical Office
Challenges in Developing and Implementing a New Survey Program: The Current Agricultural Industrial Reports	**B. Rater,** National Agricultural Statistics Service

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13:40–15:20
Room 4

Topic contributed session: New developments in sampling methods for business surveys

Chair: Gary Brown, UK Office for National Statistics
Discussant: Yves Tillé, University of Neuchatel
Organizer(s): Paul Smith, University of Southampton

Cross-classified sampling for a survey of pharmacies	**C. Skinner,** London School of Economics and Political Science
Optimizing sampling designs in establishment surveys	**R. Münnich,** Trier University U. Friedrich, M. Rupp
An assessment of balanced sampling for use in business surveys	**P. Smith,** University of Southampton L. Zhang
Small area estimation with a lognormal mixed model under informative sampling	**T. Zimmermann,** Federal Statistical Office of Germany R. Münnich

13:40–15:20 Room 5	**Contributed session:** Estimation for nondesign outputs	
	Chair: Joakim Malmdin, Statistics Sweden	
	Small area estimation for business statistics: a study on Italian small and medium enterprises	**F. Rocci,** Istat F. Solari, O. Luzi
	Sensitivity analysis of the Swedish GDP	**D. Lennartsson,** Statistics Sweden A. Lennmalm
	On inference from convenience samples of establishments	**B. Hulliger,** University of Northwestern Switzerland

13:40–15:20 Room 6	**Contributed session:** New approaches to survey design and response	
	Chair: Morgan Earp, US Bureau of Labor Statistics	
	Unit Nonresponse and Data Quality in an Establishment Mail Survey	**D. Williams,** Westat et al.
	Does the Placement of the Linkage Consent Question Matter in Establishment Surveys?	**J. Sakshaug,** University of Manchester B. Vicari
	The factorial survey approach in establishment surveys – results from the German BIBB-qualification panel study	**C. Gerhards,** BIBB - German Federal Institute for Vocational Education and Training
	Design of the Medical Expenditure Panel Survey Medical Organization Survey Component	**S. Cohen,** RTI International
	Annual reports and models in the production of business statistics	**E. Tamm,** Statistics Estonia M. Põldsaar, R. Nestor

13:40–15:50 Room 21	**Software presentation:** Software Demonstrations 4	
	IST: Metadata driven codeless development environment	**M. Nikic,** Statistical Office of Republic of Serbia
	MultiWay: a flexible tool for sample allocation for establishment surveys	**P. Righi, P. Falorsi,** Istat
	SMART: A new web system for Small Area Estimation	**P. Falorsi, A. Fasulo,** Istat
	SOP – General software for statistical data processing at Statistical Office of the Republic of Slovenia	**J. Pikelj,** Statistical Office of the Republic of Slovenia

15:20–15:50	*Tea break*

Parallel Sessions

15:50–17:30 *Room 2*	**Invited session:** Integrating administrative data into official statistics

Chair: Nancy Kirkendall, National Academy of Sciences, Committee on National Statistics
Discussant: Anders Holmberg, Statistics Norway
Organizer(s): Andrew Black and Chen Chen, Statistics New Zealand

Creating New and Improved Business Statistics by Maximising the Use of Administrative Data	**R. Penny,** Statistics New Zealand, *Presenter is not the author et al.*
Using Administrative Data in Monthly Economic Surveys; the Statistics Canada Experience	**W. Yung,** Statistics Canada M. Renaud, R. Laroche
Investigating methods for using admin data in ONS business statistics	**D. Lewis,** UK Office for National Statistics
Usability of administrative data – initiatives and common approach	**F. Verschaeren,** Statistics Belgium

15:50–17:30 *Room 3*	**Topic contributed session:** Business process improvement using lean (Six Sigma) method and tools

Chair: Siobhan Carey, Department for Business, Innovation and Skills, UK
Organizer(s): Remco Paulussen, Statistics Netherlands

Using Lean Six Sigma in Business Surveys: a practical example	**S. Portillo,** Central Statistics Office Ireland
Strategic planning for continuous improvement – use the Hoshin Kanri X-matrix	**R. Paulussen,** Statistics Netherlands M. Kevers, J. Lammers
The application of "Value Engineering" tools to risk assess the outputs of an NSI.	**G. Sharp,** UK Office for National Statistics
Achieve a culture of continuous improvement in a statistical environment	**M. Kevers,** Statistics Netherlands J. Lammers, R. Paulussen

15:50–17:30 Room 4	**Topic contributed session:** Understanding innovation and entrepreneurship in the U.S. through data integration	
	Chair: Laura Bechtel, US Census Bureau **Discussant:** Lars Vilhuber, Cornell University **Organizer(s):** Javier Miranda, US Census Bureau	
	The Business Dynamics Statistics of Innovative Firms: Linking U.S. Patents with Administrative Data on Workers and Firms	**J. Miranda,** US Census Bureau et al.
	The LBD Initiative: Understanding Innovation and Entrepreneurship in the U.S.	**J. Miranda,** US Census Bureau K. McCue
	The Business Dynamics of Exporting Firms: Integrating Trade Transactions Data with Business Administrative Data	**F. Kamal,** US Census Bureau J. Miranda, G. Barresse
	Business Dynamics and Workforce Characteristics: Integrating Demographic Data with Business Administrative Data	**M. Stinson,** US Census Bureau K. McCue, C. Trillo

15:50–17:30 Room 5	**Contributed session:** Questionnaire design	
	Chair: Eva Belak, Statistical Office of the Republic of Slovenia	
	Improving questionnaires in Business Surveys: Cognitive Pretesting in the IAB-Establishment Panel	**S. Kohaut,** Institue for Employment Research I. Möller, E. Peter
	Second European Survey of Enterprises on New and Emerging Risks (ESENER-2) – Questionnaire development process	**X. Irastorza,** European Agency for Safety and Health at Work
	Harmonisation and the Electronic Data Collection Program	**I. Sidney,** UK Office for National Statistics C. Wroth-Smith
	Using Graphics in Data Collection to Aid Respondent Comprehension	**R. Morrison,** National Science Foundation H. St.Onge
	Insights and Issues from the 4th International Workshop on Business Data Collection Methodology	**G. Snijkers,** Statistics Netherlands D. Willimack, G. Haraldsen

15:50–17:30 Room 6	**Contributed session:** Estimation using linked and combined data	
	Chair: Li-Chun Zhang, University of Southampton, Statistics Norway	
	Complementary facility and population surveys for identifying barriers to health care in developing countries	**A. Levine,** University of Washington et al.
	Developments in Model-based Estimation of County Level Agricultural Estimates	**N. Cruze,** National Agricultural Statistics Service et al.
	Enterprises in International Trade. Gaining Information by combining different data sources.	**I. Duarte Fernandes,** Destatis
	Derivation of complex economic indicators through statistical matching	**G. Seri, D. Ichim,** Istat et al.

15:50–17:30 Room 13	**Contributed session:** Survey collection and processing systems
	Chair: Andrew Baer, US Census Bureau
	Reviewing the orchard survey in Germany 2017	**W. Hauschild,** Federal Statistical Office of Germany
	Steps towards process standardisation in mixed mode data collection from enterprises in the Statistical Office of the Republic of Slovenia	**M. Noc Razinger,** Statistical Office of the Republic of Slovenia
	Use of the Information and communications technology (ICT) in National Economic Surveys of Mexico: advantages and challenges	**J. Rios,** Instituto Nacional de Estadística y Geografía
	Building a common production environment – The Swedish experience	**J. Erikson, M. Odencrants,** Statistics Sweden
	Developing a Taxonomy and Lexicon of Terms and Concepts for the US Bureau of Labor Statistics	**D. Gillman,** US Bureau of Labor Statistics et al.

17:30–18:30	**ICES General Assembly**

Thursday, 23 June

08:00–17:30 *Registration*

Parallel Sessions

08:30–10:10 **Introductory overview lecture:** Disclosure avoidance methods
Room 4

Chair: Gary Brown, UK Office for National Statistics

Statistical Disclosure Methods for Microdata	**A. Oganian,** Georgia Southern University and National Center For Health Statistics
Statistical Disclosure Methods for Tabular Data	**J. Salazar Gonzalez,** Universidad De La Laguna

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08:30–10:10 **Invited session:** Developing and mainstreaming business
Room 3 statistics – Best practices and challenges in low and middle income countries

Chair: Gabriel Gamez, United Nations Statistics Division
Discussant: Ronald Jansen, United Nations Statistics Division
Organizer(s): Gabriel Gamez, United Nations Statistics Division

Alignment Of The Quarterly Financial Statistics To Annual Financial Statistics Data	**S. Pillay,** Statistics South Africa J. de Beer
Economic Information Updating Cycle in Mexico	**A. Blancas,** National Institute of Statistics and Geography
Producing establishment statistics in developing countries: Tanzanian Experience by 2015	**Z. Msokwa,** Africa Statistical Solutions
Harmonised and integrated business surveys – Initiatives and good practices from Malaysia	**S. Mohd Din,** Department of Statistics Malaysia N. Mansor

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08:30–10:10 **Topic contributed session:** The future of business data
Room 2 collection – Experiences with integrated and automated data collection, Standard Business Reporting (SBR) and XBRL

Chair: Ger Snijkers, Statistics Netherlands
Organizer(s): Ger Snijkers, Gert Buiten, Statistics Netherlands

Integrated Survey Management System: Statistics Portugal experience	**P. Saraiva dos Santos,** Statistics Portugal

Harmonizing Financial Information from Businesses at Statistics Canada	**A. Born,** Statistics Canada
Automated data collection and reuse of concepts in order to minimize the burden	**J. Erikson,** Statistics Sweden *Presenter is not an author C. Hertzman, A. Erikson
Issues in automated data collection for financial information in the Netherlands	**G. Buiten,** Statistics Netherlands G. Snijkers, R. van de Boom

08:30–10:10 **Contributed session:** Estimation including nonsampling error
Room 6

Chair: John Dixon, US Bureau of Labor Statistics

Extrapolating a model beyond the sample. An application to cut-off sampling	**D. Hedlin,** Stockholm University
Calibration for nonresponse treatment using auxiliary information at different levels	**P. Andersson,** Stockholm University C. Särndal
Sensitivity of Econometric Estimates to Nonresponse Adjustment	**J. Sanchez,** University of California Los Angeles
Total Survey Error in the Swedish PPI/SPPI	**K. Strandberg,** Statistics Sweden, A. Norberg, M. Fridén

08:30–10:10 **Contributed session:** Survey production and management
Room 13

Chair: Anders Holmberg, Statistics Norway

Challenges and Benefits of Producing Business Statistics within a Highly Centralized Model	**D. Ravindra,** Statistics Canada
Management of business surveys and production of economic statistics; perspectives from the U.S. Bureau of Labor Statistics' Current Employment Statistics survey	**K. Robertson,** US Bureau of Labor Statistics
Integrating Project Management into the Survey Life Cycle at the US Census Bureau	**J. Eanes,** US Census Bureau
Challenges in Moving Research into the Operational Production Environment	**W. Barboza,** National Agricultural Statistics Service

| 08:30–10:10 | **Contributed session:** Measuring and improving data quality |
| Room 5 | |

| | **Chair:** Mojca Bavdaz, University of Ljubljana |

	Verification of incoming data and ongoing quality assurance during CAPI data collection	**K. Shackelford,** University of Washington et al.
	An analysis of the quality of a NACE code based on answers to a survey	**T. Deroyon,** INSEE
	Can data quality be enhanced through early notifications to responding agencies?	**C. Ellis,** RTI International et al.
	A system for continuous control of the NACE code in the Swiss business register	**M. Ferster,** Swiss Federal Statistical Office
	Exploring Response Data to Inform Questionnaire Design	**D. Willimack,** US Census Bureau et al.

| 10:10–10:40 | *Coffee break* |

| | *Parallel Sessions* |

| 10:40–12:20 | **Invited session:** The unit problem in business statistics |
| Room 2 | |

| | **Chair:** Paul Smith, University of Southampton **Organizer(s):** Li-Chun Zhang, University of Southampton |

	A first assessment of the impact of profiling on sampling	**R. Le Gleut,** INSEE A. Levieil, É. Martal
	Resolving Differences in Statistical Units: Statistics Canada's Experiences with Using Administrative Data in Economic Programs	**L. Jang,** Statistics Canada
	Exploring the effect of time-related classification errors on accuracy of growth rates in business statistics	**A. van Delden,** Statistics Netherlands S. Scholtus, J. Burger
	Estimating population size from multisource data with coverage and unit errors	**M. Di Zio,** Istat

10:40–12:20 Room 3	**Topic contributed session:** Data Warehouses – efficient and effective use of data science to reduce costs, improve timeliness and re-use data in the production of business statistics	
	Chair: Pete Brodie, UK Office for National Statistics **Organizer(s):** Gary Brown, UK Office for National Statistics	
	A user manual for building and operating a statistical data warehouse	**G. Brown,** UK Office for National Statistics **H. Goossens,** Statistics Netherlands
	YTY – integrated production system for business statistics in Statistics Finland	**A. Santaharju,** Statistics Finland
	Developing an Integrated Business Survey System for Northern Ireland	**J. Gillan,** Northern Ireland Statistics and Research Agency et al.
	Portuguese Statistical Data Warehouse solution for Structural Business Statistics but not for the Business Register	**S. Quaresma,** Statistics Portugal

10:40–12:20 Room 4	**Topic contributed session:** Multi-method questionnaire testing in establishment surveys	
	Chair: Jennifer Beck, US Census Bureau **Organizer(s):** Jaki McCarthy, National Agricultural Statistics Service	
	Combining Multiple Questionnaire Testing Methods: the Bento Box Approach in the 2017 Census of Agriculture Testing	**J. McCarthy,** National Agricultural Statistics Service
	Developing and Testing New Survey Questions: The Example of New Questions on the Role of Women and New/Beginning Farm Operators	**D. Miller,** National Agricultural Statistics Service et al.
	Using Analysis of Field Test Results to Evaluate Questionnaire Performance	**K. Ott,** National Agricultural Statistics Service et al.
	Developing and Evaluating a Short Form: Results and Recommendations from tests of a form designed to reduce questionnaire length	**D. Moore,** Washington State University K. Ott, A. Gertseva

| 10:40–12:20 | **Contributed session:** Managing respondent load |
| Room 5 | |

| | **Chair:** Wim Kloek, Eurostat |

	Using Quantile Regression to Model Revisions Due to Late Reporting in the Current Employment Statistics Survey	**J. Dixon,** US Bureau of Labor Statistics
	Comparing expected average response burden with actual burden distribution	**J. Delaney,** Central Statistics Office, Ireland
	Considerations for designing and selecting a panel of law enforcement agencies in the United States	**M. Berzofsky,** RTI International S. Zimmer, B. Shook-Sa
	Nonresponse Adjustment in the IAB Job Vacancy Survey	**C. Röttger,** Institute for Employment Research

| 10:40–12:20 | **Contributed session:** New approaches to Survey design |
| Room 6 | |

| | **Chair:** Rebecca L. Morrison, National Science Foundation |

	Quantifying U.S. Urban Agriculture: A Pilot Study	**L. Young,** National Agricultural Statistics Service
	Surveying Military Personnel: A Methodological Review	**Z. Wang,** Defence Research and Development Canada
	Measuring the requirements of work: Developing a survey to provide information on the physical, cognitive, and environmental demands of today's jobs and the preparation needed to perform them.	**P. Doyle,** US Bureau of Labor Statistics
	International School Surveys: Challenges and Solutions	**S. Amer,** RTI International et al.

| 10:40–12:20 | **Student Contest:** Imputing multivariate data from two business populations – results of the ICES-V student contest |
| Room 13 | |

| | **Chair:** Katherine J. Thompson, US Census Bureau |

| | *Developing a Student Contest for the ICES-V Conference.* | **K. Thompson,** US Census Bureau |
| | *Multivariate Regression Imputation Approach to the Analysis of Item Nonresponse in a Retail Trade Survey Data* | **D. Lee,** Iowa State University |

Nonparametric Bootstrap to Generate Synthetic Population to Handle Complex Missing Data Problems	**H. Sang,** Iowa State University Z. Wang
Imputation Procedure and Inference in the Presence of Imputed Data: Application to Industries	**J. Miron,** Universite de Neuchatel A. Vallee

12:20–13:40   *Lunch*

Parallel Sessions

13:40–15:20
Room 2
    Introductory overview lecture: Big data

Chair: Silvia Biffignandi, University of Bergamo	
Practical Applications of Big Data for Official Statistics	**P. Struijs, B. Braaksma,** Statistics Netherlands
Overview of Big Data Research in European Statistical Agencies	**M. Karlberg,** Eurostat et al.

13:40–15:20
Room 3
    Invited session: The Influence of Business Register Quality

Chair: Richard Penny, Statistics New Zealand **Discussant:** Andrew Allen, UK Office for National Statistics **Organizer(s):** Christopher Bryant, Statistics New Zealand	
Methods and Challenges of Quality Measurement at Finnish Business Register	**H. Heljala,** Statistics Finland
Business Register as the backbone of statistics; challenges and opportunities regarding Business Register and outcome quality	**I. Salemink,** Statistics Netherlands et al.
How to communicate the contents of the quality indicators of a Statistical Business Register	**P. Salamin,** University of Applied Sciences and Arts Western Switzerland F. Tomasini
Dated – undated – outdated: The issue of time stamps and reference dates in Business Register data	**R. Sturm,** Federal Statistical Office Germany

13:40–15:20 Room 13	**Topic contributed session:** Measuring the cost of payments for merchants and financial institutions	
	Chair: Kevin Moore, Board of Governors of the Federal Reserve System **Discussant:** Bjorn Segendorf, Sveriges Riksbank **Organizer(s):** Kim Huynh, Bank of Canada	
	A Survey of Payments to Businesses in the U.S.: Can a Survey Cost-Effectively Measure Share of the Till?	**G. Gerdes,** United States Federal Reserve Board of Governors
	Sampling frame construction in the 2015 Bank of Canada Retailer Cost of Payments Survey	**A. Welte,** Bank of Canada C. Jones
	Maximizing Item-Level Responses through Adaptive Design in a Financial Institution Survey: Findings from the Federal Reserve Payments Study	**X. Liu,** United States Federal Reserve Board of Governors G. Gerdes
	Chargebacks: Another Payment Card Acceptance Cost for Merchants	**F. Hayashi,** Federal Reserve Bank of Kansas City R. Sullivan, Z. Markiewicz

13:40–15:20 Room 4	**Contributed session:** Editing and imputation	
	Chair: Ton de Waal, Statistics Netherlands and Tilburg University	
	Quarterly Inventories Survey Imputation	**D. Roash,** Israel Central Bureau of Statistics
	Imputation methods for nonresponse on different domains in a business survey	**F. Weideskog,** Statistics Sweden
	Reviewing selective editing thresholds at ONS	**C. Gaughan,** UK Office for National Statistics I. Tomlinson
	Power calculation of incomplete data using multiple imputation	**O. Harel,** University of Connecticut R. Zha
	Cleaning, supplementing, and imputing health facility data in Sub-Saharan Africa	**A. Wollum,** University of Washington et al.

13:40–15:20 **Contributed session:** Survey and sample designs
Room 5

Chair: Yves Tillé, University of Neuchâtel

Developing the Optimal Sample Design at the Agency and Officer Levels for the Survey of Law Enforcement Personnel in Schools	**B. Shook-Sa,** RTI International et al.
The procedure of sampling coordination for business surveys implemented at INSEE: methodology and practice	**E. Gros,** INSEE
Measuring the informal economy using establishment surveys	**A. Mata Greenwood,** International Labour Office K. Walsh
A new approach for multipurpose stratification in agriculture surveys	**E. Catanese,** Istat M. D'Orazio

13:40–15:20 **Contributed session:** Contact strategies and response
Room 6

Chair: Diane Willimack, US Census Bureau

Substituting e-mail for hardcopy when inviting participation in a multi-form, multi-mode collection	**C. Ellis,** RTI International et al.
Email vs. Fed Ex: An experiment to examine effectiveness and efficiency of survey invitations on a study of U.S. colleges and universities	**E. Jodts,** Westat et al.
Improving Data Collection: Results from Two Contact Strategy Experiments in Economic Surveys	**J. Langeland,** US Census Bureau and Joint Program in Survey Methodology A. Tuttle
Methods of Improving Establishment Recruitment by Converting Soft Refusals; Lessons from the LA County Survey of Food Service Workers	**P. Weinfurter,** Westat V. Narayanan, R. Reporter
Maximizing Web Survey Response: Research from the Current Employment Statistics (CES) Survey	**N. Johnson,** US Bureau of Labor Statistics

15:20–15:50 *Tea break*

15:50–17:00	**Keynote session:** Keynote 2	
Room 2		
	Chair: Boris Lorenc, Statistics Sweden	
	Onward and Upward with Multiple Data Sources for Business Statistics	**C. Citro,** Committee on National Statistics

| 17:00–17:30 | *Closing Ceremony* |

| 18:30–22:30 | *Cash bar and conference dinner* |

SOCIAL PROGRAM

OPENING CEREMONY AND WELCOME RECEPTION

Monday, 20 June, 17:00 – 19:00
Opening ceremony and welcome reception will be held
at the conference venue.

GENEVA WALKING TOUR

Tuesday, 21 June, 18:00 – 20:00

CASH BAR AND CONFERENCE DINNER

Thursday, 23 June, 18:30 – 22:30
Cash bar and conference dinner will be held at the conference venue.

GENERAL INFORMATION ABOUT GENEVA

ALTITUDE

374 m (1,227ft) above sea level

CLIMATE

Average temperatures:
winter 10°C (50°F), summer 25°C (73°F)

CURRENCY

Swiss Franc (CHF or SFr)

Average rate: 1 Euro = CHF 1.10. The exchange rate for the Euro and
the Swiss Franc is subject to daily market fluctuations. Conversion rates
are available at foreign exchange offices, banks and in newspapers.

DRIVING

In town the speed is limited to 50 km/h or 30 km/h in some areas, on
national roads beyond city limits 80 km/h, and on motorways 120 km/h.
A motorway sticker, "vignette", is required on highways and semihigh-
ways. It is valid for 1 year and available at the price of CHF 40.– at post
offices, garages, customs offices and touring club offices (TCS). Wear-
ing seat belts, both in the front and in the back of a vehicle is required.

ELECTRICITY

Voltage 220 Volts – socket converters are available in local shops.

FREE GENEVA TRANSPORT CARD

All visitors staying at a hotel in Geneva can benefit from this personal
and non-transferable pass free of charge.
It is issued by the hotel upon checking in, enabling its holder to use
the entire public transportation network of Geneva without restriction
(bus, train and boat). It is valid for the entire duration of the stay including
the departure day. However the pass is limited to the area of Geneva
and is not valid for trips around Switzerland.

NOTES

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