

Conference Agenda



Sunday, June 17

Registration

4:00 p.m.–8:00 p.m.

room **Grand Salon Foyer**

Monday, June 18

Registration

7:30 a.m.–5:30 p.m.

room **Grand Salon Foyer**

Short Courses (fee events)

8:30 a.m.–5:00 p.m. **Introduction to Survey Methods for Businesses and Organizations—**

Paul P. Biemer, RTI International and The University of North Carolina (U.S.), and *David Cantor*, Westat (U.S.)

room **Picardie A-B**

8:30 a.m.–5:00 p.m. **Small-Area Estimation—***Ray Chambers*, University of Wollongong (Australia)

room **Hospitalité**

8:30 a.m.–12:00 p.m. **Nuts and Bolts of Web Surveys—***Reg Baker*, Market Strategies, Inc. (U.S.)

room **Argenteuil**

1:30 p.m.–5:00 p.m. **Question Testing for Establishment Surveys—***Kristin Stettler*, U.S. Census Bureau, and *Fran Featherston*, National Science Foundation (U.S.)

room **Argenteuil**

Short course refreshment break (coffee and tea)

10:00 a.m.–10:30 a.m.

Lunch on own

12:00 p.m.–1:00 p.m.

Short course refreshment break (sodas and water)

3:00 p.m.–3:30 p.m.

Reception with cash bar

5:30 p.m.–6:30 p.m.

room **Grand Salon B-C & Foyer**

TOURS

Monday, June 18

9:30 a.m.–12:00 p.m. **Old Montréal and Notre-Dame Basilica Guided Walking Tour**
(fee event)

9:30 a.m.–12:00 p.m. **Downtown Montréal and Its Underground Guided Walking Tour**
(fee event)

12:30 p.m.–4:30 p.m. **Beer-Tasting in the Richelieu Valley Tour**
(fee event)

Session 1: Keynote Address

6:30 p.m.–7:30 p.m.

room **Grand Salon B-C**

Chair: *Howard Hogan*, U.S. Census Bureau

Business Surveys: Past, Present, and Challenges for the Future—*Robert W. Edwards*, Director, Statistics Department, International Monetary Fund



Robert W. Edwards plays a key role in fostering the highest quality standards for consistency, coverage, and transparency in economic and financial statistics. Working with countries around the world, he promotes the implementation of best practices in statistics to enhance the quality of national statistical systems and the data they provide to users. ICES-III conferees will gain insight from Edward's global experience and understanding of the requirements of both producers and users of official statistics.

Tuesday, June 19

Refreshment Break (coffee and tea)

7:30 a.m.–8:30 a.m.

room **Grand Salon Foyer**

Registration

7:30 a.m.–5:30 p.m.

room **Grand Salon Foyer**

Session 2: Software Demonstrations

8:00 a.m.–12:30 p.m.

room **Grand Salon A**

SD-1: Windows Interface to X-12-ARIMA—Roxanne Feldpausch and Kathleen McDonald-Johnson, U.S. Census Bureau

SD-2: Interactive Data Analysis System (IDAS)—Jeff Bailey, U.S. Department of Agriculture/National Agricultural Statistics Service

SD-3: System for Estimation of Variance Due to Nonresponse and Imputation (SEVANI)—Cynthia Bocci and Jean-François Beaumont, Statistics Canada

SD-4: Voxco Command Center—Louis Tanguay and Vincent Auger, Voxco (Canada)

SD-5: GENeralized Enhanced Sampling and Information System (GENESIS)—Teresa Lopez and Brian Richards, U.S. Department of Agriculture/National Agricultural Statistics Service

SD-6: NASS CASIC Survey Information System—Emily Caron, U.S. Department of Agriculture/National Agricultural Statistics Service

Concurrent Sessions 8:30 a.m.–10:10 a.m.

Session 3 Invited: Steps to Provide Quality Industrial Coding for a Business Register

room **Auteuil**

Organizer: Yanick Beaucage, Statistics Canada

Chair: Mario Ménard, Statistics Canada

8:35 a.m.

Making Quality Improvements to an Automated Industry Coding Application for U.S. Business Establishments—*Michael Kornbau, Julie Bouffard, and Michelle Vile, U.S. Census Bureau

9:00 a.m.

Implementing Coding Tools for a New Classification—*John Perry, Office for National Statistics (U.K.)

9:25 a.m.

The Many Ways of Improving the Industrial Coding for Statistics Canada's Business Register—Yanick Beaucage, Statistics Canada

9:50 a.m.

Discussant: Frank Yu, Australian Bureau of Statistics

10:00 a.m.

Floor Discussion

TOUR

Tuesday, June 19

6:30 p.m.–10:30 p.m. **Dinner Cruise on the St. Lawrence River** (fee event)

Session 4 Invited: Measurement of Service Sector Statistics: Challenges and Achievements

room **Alfred-Rouleau B**

Organizer: Mark E. Wallace, U.S. Census Bureau

Chair: Jean-Pierre Simard, Statistics Canada

8:35 a.m.

The Statistical Measurement of Services: Recent International Achievements and What Next?—William Cave, Organization for Economic Cooperation and Development

9:00 a.m.

Strategic Vision for the Voorburg Group on Services Statistics—Louis Marc Ducharme, Statistics Canada

9:25 a.m.

Implementing a Coordinated Approach to Improving Services Source Data Inputs to Gross Domestic Product Statistics—Mark E. Wallace and John Murphy, U.S. Census Bureau

9:50 a.m.

Discussant: Brent Moulton, Bureau of Economic Analysis (U.S.)

10:00 a.m.

Floor Discussion

Session 5 Introductory Overview Lecture: Data-Processing Activities

room **Picardie A-B**

Chair: Paul Smith, Office for National Statistics (U.K.)

8:35 a.m.

Editing and Coding—Katherine Jenny Thompson, U.S. Census Bureau

9:15 a.m.

Integrated Editing/Imputation—Ton de Waal, Statistics Netherlands

9:55 a.m.

Floor Discussion

Session 6 Contributed: Questionnaire Design and Testing

room Argenteuil

Chair: Danna Moore, Washington State University (U.S.)

8:35 a.m.	Cognitive Aspects Associated with Sample Selection Conducted by Respondents in Establishment Surveys— La Toya Barnett, Rebecca Morrison, and Grace O'Neill, U.S. Census Bureau
8:55 a.m.	Record-Keeping Studies: Love 'Em or Leave 'Em— Jeri Mulrow, National Science Foundation (U.S.), and Stanley Freedman, Energy Information Administration (U.S.)
9:15 a.m.	A Comprehensive Redesign of a Questionnaire Measuring Foreign Direct Investment— Alfred D. Tuttle and Rebecca Morrison, U.S. Census Bureau, and David Galler, Bureau of Economic Analysis (U.S.)
9:35 a.m.	Developing Satisfaction Surveys: Integrating Qualitative and Quantitative Information— David Cantor, Sarah Dipko, Stephanie Fry, Pamela Giambro, and Vasudha Narayanan, Westat (U.S.)
9:55 a.m.	Floor Discussion

Session 7 Contributed: Weighting Issues in Estimation

room Hospitalité

Chair: Catherine Burt, National Center for Health Statistics (U.S.)

8:35 a.m.	Multipurpose Small-Area Estimation— Hukum Chandra, University of Southampton (U.K.), and Ray Chambers, University of Wollongong (Australia)
8:55 a.m.	Applying Statistical Methods Originally Developed for Household Surveys to Establishment Studies— Angela Pitts, Marcus Berzofsky, and Michael Witt, RTI International (U.S.)
9:15 a.m.	Annual Growth Rates Derived from Short-Term Statistics and Annual Structural Business Statistics— Pieter Vlag and Koert van Bemmel, Statistics Netherlands
9:35 a.m.	Switching from Retrospective to Current-Year Data Collection in the Medical Expenditure Panel Survey - Insurance Component—* Anne Kearney, U.S. Census Bureau, and John P. Sommers, Agency for Healthcare Research and Quality (U.S.)
9:55 a.m.	Floor Discussion

Session 8 Contributed: Design and Analysis Challenges

room Alfred-Rouleau A

Chair: U. C. Sud, Indian Agricultural Statistics Research Institute

8:35 a.m.	Can We Continue To Exclude Small, Single-Establishment Businesses from Annual Survey Data Collection?—* Kari Clark and David Kinyon, U.S. Census Bureau
8:55 a.m.	Improvements in Stratification in the U.K.'s Office for National Statistics— Pete Brodie and Kevin Moore, Office for National Statistics (U.K.)
9:15 a.m.	Agriculture and the Environment: a Robust Approach to Commodity-Based Stratification— Martin Pantel, Statistics Canada
9:35 a.m.	Comparing Estimation Methods in Product Surveys— Ismo Teikari, Statistics Finland
9:55 a.m.	Floor Discussion

Refreshment break (coffee and tea)

10:10 a.m.–10:30 a.m.

room Grand Salon Foyer

Concurrent Sessions 10:30 a.m.–12:10

Session 9 Invited: The New Direction of Business Surveys: the Integrated Approach

room Hospitalité

Organizer: Marie Brodeur, Statistics Canada

Chair: Marie Brodeur, Statistics Canada

10:35 a.m.	Unified Enterprise Survey: New Horizons— Daniela Ravindra and Marie Brodeur, Statistics Canada
11:00 a.m.	Integration of Annual Economic Collections in the Australian Bureau of Statistics— Eden Brinkley, Australian Bureau of Statistics
11:25 a.m.	A Statistical Architecture for Economic Statistics— Ron McKenzie, Statistics New Zealand
11:50 a.m.	Discussant: Vladimir Markhonko, United Nations Statistical Division
12:00 p.m.	Floor Discussion

Session 10 Invited: Commodity Flow Surveys

room Picardie A-B

Organizers: Scot Dahl, U.S. Census Bureau, and Jock Black, National Science Foundation (U.S.)

Chair: Donsig Jang, Mathematica Policy Research, Inc. (U.S.)

10:35 a.m.	Swedish Commodity Flow Surveys Evaluated: Statistics Sweden's Experiences and Survey Adjustments Since 2001— Lars Werke, Statistics Sweden
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11:00 a.m. **Using Electronic Data from the Carriers in the Canadian Trucking Commodity Origin/Destination Survey**—*François Gagnon and Krista Cook, Statistics Canada*

11:25 a.m. **Designing the 2007 Commodity Flow Survey**—**Scot Dahl and William Davie, Jr., U.S. Census Bureau*

11:50 a.m. **Discussant:** *Jock Black, National Science Foundation (U.S.)*

12:00 p.m. **Floor Discussion**

Session 11 Introductory Overview Lecture: Business Register/Sampling Frames

room **Alfred-Rouleau B**

Chair: *Dale Atkinson, U.S. Department of Agriculture/National Agricultural Statistics Service*

10:35 a.m. **Business Register in Economic Statistics: Content, Roles, and Place**—*Jean Ritzen, Statistics Netherlands*

11:15 a.m. **Definitions and Units**—*Andreas Lindner, Organization for Economic Co-operation and Development*

11:55 a.m. **Floor Discussion**

Session 12 Contributed: Issues in Survey Redesign 1

room **Auteuil A-B**

Chair: *Eric Rancourt, Statistics Canada*

10:35 a.m. **How To Draw a Sample for Estimating the Change in Labor Costs**—*Seppo Laaksonen and Outi Ahti-Miettinen, Statistics Finland*

10:55 a.m. **Developing and Implementing a Survey on Intermediate Consumption for the Service Sector in Sweden**—*Cecilia Hertzman, Annika Lindblom, and Fredrik Nilsson, Statistics Sweden*

11:15 a.m. **What Does It Take To Renew a 53-Year-Old Survey: A Face Lift or Reconstructive Surgery?**—*John Jankowski, Jeri Mulrow, and Brandon Shackelford, National Science Foundation (U.S.)*

11:35 a.m. **Adding New Data Elements to an Ongoing Survey: Operational and Response Issues**—*Richard Rosen, Patricia Getz, David O'Connell, and Kenneth Robertson, Bureau of Labor Statistics (U.S.)*

11:55 a.m. **Floor Discussion**

Session 13 Contributed: Nonresponse Reduction Strategies 1

room **Alfred-Rouleau A**

Chair: *Rachel Harter, NORC at the University of Chicago (U.S.)*

10:35 a.m. **Minimizing and Converting Refusals in a Survey of New Businesses**—*Tom Barton and David DesRoches, Mathematica Policy Research, Inc. (U.S.)*

10:55 a.m. **Improving the Effectiveness of Interviewer-Administered Surveys through Refusal-Avoidance Training**—**Grace O'Neill, U.S. Census Bureau*

11:15 a.m. **Increasing Survey Cooperation: Motivating Chronic Late Responders to an Annual Survey**—*Ronda Britt and Fran Featherston, National Science Foundation (U.S.)*

11:35 a.m. **Using Paradata To Monitor and Improve the Collection Process in Annual Business Surveys**—*Rose-Carline Evra and Sylvie DeBlois, Statistics Canada*

11:55 a.m. **Floor Discussion**

Session 14 Contributed: Variance Estimation

room **Argenteuil**

Chair: *Brian Simonson, The Lewin Group (U.S.)*

10:35 a.m. **Random Group Variance Adjustments When Hot Deck Imputation Is Used To Compensate for Nonresponse**—**Richard Moore, Jr., U.S. Census Bureau*

10:55 a.m. **Variance Estimation When Nearest-Neighbor Imputation Is Used To Fill in Missing Values**—*Jean-François Beaumont and Cynthia Bocci, Statistics Canada*

11:15 a.m. **Methodological Evaluation of a Survey of High-School Students in Iowa**—*Lu Lu, Iowa State University (U.S.)*

11:35 a.m. **Comparison of Simulation Methods Using Historical Data in the U.S. International Price Program**—*Moon-Jung Cho, Patrick Bobbitt, Te-Ching Chen, John Eltinge, Lawrence Ernst, James Himelein, and Steve Paben, Bureau of Labor Statistics (U.S.)*

11:55 a.m. **Floor Discussion**

Lunch

12:15 p.m.–1:45 p.m.

room Grand Salon B-C

Session 15: Software Demonstrations

1:30 p.m.–6:00 p.m.

room Grand Salon A

SD-7: Q-Bank—Rebecca Morrison, Diane K. Willimack, U.S. Census Bureau**SD-8: Survey Data Analysis in SAS/STAT Software**—Tony An, SAS Institute Inc. (U.S.)**SD-9: Solas for Missing Data and nQuery Advisor for Sample Size**—Brian Sullivan and Kevin Connolly, Statistical Solutions (Ireland)**SD-10: Voxco Command Center**—Louis Tanguay and Vincent Auger, Voxco (Canada)**SD-11: The Census Bureau's 'On the Map' Interactive Origin-Destination Flows of Workers**—Lars Vilhuber, Cornell University (U.S.)**SD-12: MixMatch – A Record Linkage System**—Martin Lachance, Statistics Canada**Concurrent Sessions 1:45 p.m.–3:25 p.m.****Session 16 Invited: Editing and Imputation Strategies To Improve Statistics Using Tax Data**

room Hospitalité

Organizer: François Brisebois, Statistics Canada**Chair:** François Brisebois, Statistics Canada1:50 p.m. **Methodology for Allocating Generic Field to Its Details**—Jessica Andrews, Nathalie Hamel, and François Brisebois, Statistics Canada2:15 p.m. **Improving the Quality of U.S. Tax Statistics: Recent Innovations in Editing and Imputation Techniques at the Statistics of Income Division of the U.S. Internal Revenue Service**—Barry Johnson, Scott Hollenbeck, and Todd Reum, U.S. Internal Revenue Service2:40 p.m. **Improving the Use of Tax Data for Dutch Business Statistics**—Grietje Van Haren and J. J. Hoogland, Statistics Netherlands3:05 p.m. **Discussant:** Pierre Lavallée, Statistics Canada3:15 p.m. **Floor Discussion****Lunch**

12:15 p.m.–1:45 p.m.

room Grand Salon B-C

Salad: Mesclun greens with sliced breast of chicken, chopped bacon, sliced pears, blue cheese, and balsamic vinaigrette and a trilogy of heirloom potatoes with a mustard dressing**Entrée:** Deli buffet with Genoa salami, roasted turkey breast, smoked pastrami, Virginia sugar-cured ham, French garlic sausage, roast beef, cheeses, breads, and individual bags of potato chips**Vegetarian entrée** (substitution): Grilled vegetables on pasta**Heart-healthy entrée** (substitution): Grilled vegetables on pasta**Dessert:** New York cheesecake with strawberry sauce**Session 17 Invited: Goals and Issues in the Development of the Services Producer Price Index (SPPI)**

room Auteuil A-B

Organizer: Susana Rubin-Bleuer, Statistics Canada**Chair:** Susana Rubin-Bleuer, Statistics Canada1:50 p.m. **Methodology for the U.S. Services Product Price Index**—Roslyn Swick and Deanna Bathgate, Bureau of Labor Statistics (U.S.)2:15 p.m. **Assessing the Quality of SPPIs**—John Wood, Ian Richardson, and Markus Sova, Office for National Statistics (U.K.)2:40 p.m. **Survey Methodology for New Business Services Prices Indexes**—Saad Rais and Zdenek Patak, Statistics Canada3:05 p.m. **Discussant:** Jacob Ryten, Statistics Canada (retired)3:15 p.m. **Floor Discussion****Session 18 Introductory Overview Lecture: Questionnaire Design and Testing**

room Picardie A-B

Chair: Jacqui Jones, Office for National Statistics (U.K.)1:50 p.m. **Instrument Design**—Don Dillman, Washington State University (U.S.)2:30 p.m. **Current Practices in Questionnaire Development, Evaluation, and Testing for Establishment Surveys**—Diane K. Willimack, U.S. Census Bureau3:10 p.m. **Floor Discussion**

Session 19 Topic-Contributed: Designing Survey Materials from the Respondents' Perspectives

room **Alfred-Rouleau B**

Organizer: Anne S. Russell, U.S. Census Bureau

Chair: Richard Evans, Statistics Canada

1:50 p.m. **Working with Respondents To Improve Relevancy of Inventory Statistics—*** *John Trimble and Scott Scheleur, U.S. Census Bureau*

2:10 p.m. **Listening to Respondents for Better Survey Results—** *Alexander Hays, Statistics Canada*

2:30 p.m. **Using Focus Groups To Improve Response in Monthly Surveys—*** *Lisa Houlihan, U.S. Census Bureau*

2:50 p.m. **Evaluating Business Survey Forms with the Cognitive Interview—** *Paul Kelly and Marcel Levesque, Statistics Canada*

3:10 p.m. **Floor Discussion**

Session 20 Topic-Contributed: Business Process Improvement for Economic Programs

room **Argenteuil**

Organizer: Deborah Stempowski, U.S. Census Bureau

Chair: Eddie Salyers, U.S. Census Bureau

1:50 p.m. **Business Process Improvement at the U.S. Census Bureau—** *Deborah Stempowski and Shirin Ahmed, U.S. Census Bureau*

2:10 p.m. **A Complete Redesign of the Business Register—** *Mario Ménard, Gaétan St-Louis, and Philippe Gagné, Statistics Canada*

2:30 p.m. **Means To Improve Business Survey Processes: Some Swedish Experiences—** *Lennart Nordberg, Statistics Sweden*

2:50 p.m. **Improving Quality in ONS's Annual Earnings Statistics—** *Pete Brodie and Kevin Moore, Office for National Statistics (U.K.)*

3:10 p.m. **Floor Discussion**

Session 21 Contributed: Issues in Multimode Data Collection

room **Alfred-Rouleau A**

Chair: Bob Rutchik, Energy Information Administration (U.S.)

1:50 p.m. **Do Economic and Demographic Characteristics Differ between Web and Mail Respondents?—** *Nancy Dickey and Zulma Riberas, U.S. Department of Agriculture/National Agricultural Statistics Service*

2:10 p.m. **Understanding Web Survey Completion in a Survey of New Businesses—** *David DesRoches, Tom Barton, and Janice Ballou, Mathematica Policy Research, Inc. (U.S.)*

2:30 p.m.

Hidden Mixed-Mode Design in Catering Survey— *Antti Siikainen and Petri Godenhjelm, Statistics Finland, and Kaija Saarni, Finnish Game and Fisheries Research Institute*

2:50 p.m.

Redesigning Data Collection Strategies for Cost-Reduction in Two Bureau of Labor Statistics Surveys— *Michael Searson, Bureau of Labor Statistics (U.S.)*

3:10 p.m.

Floor Discussion

Refreshment break (sodas and water)

3:25 p.m.–3:50 p.m.

room **Grand Salon Foyer**

Concurrent Sessions 3:50 p.m.–5:30 p.m.

Session 22 Invited: Uses of Metadata for Establishment Surveys

room **Picardie A-B**

Organizer: Daniel W. Gillman, Bureau of Labor Statistics (U.S.)

Chair: Richard Vincent, Statistics Canada

3:55 p.m. **Modeling the Contents and Structure of Official Statistics—** *Bo Sundgren, Statistics Sweden*

4:20 p.m. **Experiences with Developing and Using Metadata-Driven Processing Systems for the Economic Census—*** *Sheila Proudfoot and Donna Hambric, U.S. Census Bureau*

4:45 p.m. **Metadata Management Framework for Establishment Surveys—** *Michael Colledge, Statistical Consulting Pty Ltd (Australia)*

5:10 p.m. **Discussant:** Daniel W. Gillman, Bureau of Labor Statistics (U.S.)

5:20 p.m. **Floor Discussion**

Session 23 Introductory Overview Lecture: Time Series

room **Argenteuil**

Chair: Wesley Yung, Statistics Canada

3:55 p.m. **Methods, Diagnostics, and Practices for Seasonal Adjustment—** *Catherine Hood, Catherine Hood Consulting (U.S.)*

4:35 p.m. **Benchmarking—** *Susie Fortier, Statistics Canada*

5:15 p.m. **Floor Discussion**

Session 24 Topic-Contributed: Electronic Data Collection Modes for Establishment Surveys

room **Alfred-Rouleau A**

Organizer: Amy E. Anderson, U.S. Census Bureau

Chair: Tony Hak, RSM Erasmus University (The Netherlands)

3:55 p.m. **Using Software To Collect Data Electronically for the Economic Census—*** Amy E. Anderson and M. Diane Harley, U.S. Census Bureau

4:15 p.m. **Interface Design and Testing for Electronic Self-Administered Survey Forms Using Excel—** Emma Farrell, Rob Burnside, Leone Van Ede, and Kettie Hewett, Australian Bureau of Statistics

4:35 p.m. **The Annual Structural Business Survey: Developing and Testing an Electronic Form—** Ger Snijkers, Evrin Onat, and Rachel Visschers, Statistics Netherlands

4:55 p.m. **Collecting and Transmitting Confidential International Data Electronically—** Y. Louise Ku-Graf, Bureau of Economic Analysis (U.S.)

5:15 p.m. **Floor Discussion**

Session 25 Contributed: Employment Dynamics

room **Alfred-Rouleau B**

Chair: Frank Potter, Mathematica Policy Research, Inc. (U.S.)

3:55 p.m. **Measuring Business Formation, Dynamics, and Performance—** Kirk Wolter, NORC at the University of Chicago (U.S.); John Haltiwanger, University of Maryland (U.S.); and Lisa Lynch, Tufts University (U.S.)

4:15 p.m. **Meeting the Challenges of Designing the Kauffman Firm Survey (KFS): Sampling Frame, Definitions, Questionnaire Development, and Respondent Burden—** Janice Balou, David DesRoches, Zhanyun Zhao, and Frank Potter, Mathematica Policy Research, Inc. (U.S.)

4:35 p.m. **New Developments in Business Employment Dynamics at the Bureau of Labor Statistics—** Kristin Fairman, Sheryl L. Konigsberg, Eric Simants, and David M. Talan, Bureau of Labor Statistics (U.S.)

4:55 p.m. **Measurement of Establishment Birth and Death in Business Employment Dynamics—** *Sheryl L. Konigsberg, Sadeghi Akbar, Richard L. Clayton, and David M. Talan, Bureau of Labor Statistics (U.S.)

5:15 p.m. **Floor Discussion**

Session 26 Contributed: Analysis of Nonresponse Bias

room **Hospitalité**

Chair: Karol Krotki, RTI International (U.S.)

3:55 p.m. **Is There a Relationship among Survey Costs, Time in Field, Data Quality, and Bias?—** Leslie Christovich, National Science Foundation (U.S.), and Michael J. Brick, Benmei Liu, and Tim Smith, Westat (U.S.)

4:15 p.m. **Capturing or Recapturing Information on Survey Nonrespondents—** Susan Hinkins and Fritz Scheuren, NORC at the University of Chicago (U.S.)

4:35 p.m. **Analysis of Potential Nonresponse Bias in the 2003 Survey of Small Business Finances—** Michael Yang and Janella Chapline, The University of Chicago (U.S.), and Lieu Hazelwood and Traci Mach, Board of Governors of the Federal Reserve (U.S.)

4:55 p.m. **Bias Adjustment in the Swedish Farm Accidents Survey—** Jörgen Svensson, Statistics Sweden

5:15 p.m. **Floor Discussion**

Session 27 Contributed: Nonresponse Reduction Strategies 2

room **Argenteuil**

Chair: Jeri Mulrow, National Science Foundation (U.S.)

3:55 p.m. **Incentives in Surveys of Farmers—*** Kathleen Ott, U.S. Census Bureau, and Daniel Beckler, U.S. Department of Agriculture/National Agricultural Statistics Service

4:15 p.m. **Do Monetary Incentives Increase Business Survey Response Rates? Results of a Large-Scale Experiment—** Paul P. Biemer, Christopher Ellis, Angela Pitts, and Kimberly Aspinwall, RTI International (U.S.)

4:35 p.m. **Effectiveness of Stimuli Experimentally Carried Out across Populations for Establishment Surveys—** Danna Moore, Washington State University (U.S.), and Mike Ollinger, U.S. Department of Agriculture/Economic Research Service

4:55 p.m. **Encouraging the Use of Alternative Modes of Electronic Data Collection: Results of Two Field Studies—** Kathy Downey, Dee McCarthy, William McCarthy, and Brian Meekins, Bureau of Labor Statistics (U.S.)

5:15 p.m. **Floor Discussion**

Wednesday, June 20

Refreshment break (coffee and tea)

7:30 a.m.–8:30 a.m.

room **Grand Salon Foyer**

Registration

7:30 a.m.–5:30 p.m.

room **Grand Salon Foyer**

Session 28: Software Demonstrations

8:00 a.m.–12:30 p.m.

room **Grand Salon A**

SD-13: Survey Data Analysis in SAS/STAT Software—*Tony An, SAS Institute Inc. (U.S.)*

SD-14: Solas for Missing Data and nQuery Advisor for Sample Size—*Brian Sullivan and Kevin Connolly, Statistical Solutions (Ireland)*

SD-15: The Banff System for Automated Editing and Imputation—*Teodora Alexandrova, Statistics Canada*

SD-16: SPSS Survey and Research Solutions—*Tim Daciuk and Nancy Dobrozdavic, SPSS Inc. (U.S.)*

SD-17: Question Repository System CATI—*Quentin Coleman, U.S. Department of Agriculture/National Agricultural Statistics Service*

SD-18: wGeneralized Estimation System (GES)—*George Sampson Sapounidis, Statistics Canada*

Concurrent Sessions 8:30 a.m.–10:10 a.m.

Session 29 Invited: Efficient Use of Administrative Data in Business Surveys

room **Hospitalité**

Organizer: Hélène Bérard, Statistics Canada

Chair: Hélène Bérard, Statistics Canada

8:35 a.m. **Redesigning French Structural Business Statistics Using More Administrative Data**—*Philippe Brion, INSEE (France)*

9:00 a.m. **Toward a Better Integration of Survey and Tax Data in the Unified Enterprise Survey**—*Danielle Lebrasseur and Claude Turmelle, Statistics Canada*

9:25 a.m. **Using Tax Data for Substitution and Auxiliary Variables in the Australian Economic Activity Survey**—*Robert Clark, University of Wollongong (Australia), and Frank Yu, Australian Bureau of Statistics*

9:50 a.m. **Discussant:** *Eric Rancourt, Statistics Canada*

10:00 a.m. **Floor Discussion**

TOURS

Wednesday, June 20

2:00 p.m.–4:30 p.m. **Old Montréal and Notre-Dame Basilica Guided Walking Tour** (fee event)

2:00 p.m.–4:30 p.m. **Downtown Montréal and Its Underground Guided Walking Tour** (fee event)

Session 30 Invited: The Influences of K. R. W. Brewer on Establishment Surveys

room **Alfred-Rouleau A**

Organizer: Phillip S. Kott, U.S. Department of Agriculture/National Agricultural Statistics Service

Chair: J. N. K. Rao, Carleton University (Canada)

8:35 a.m. **Some Research on Calibration Estimators at the National Agricultural Statistics Service**—*Phillip S. Kott, U.S. Department of Agriculture/National Agricultural Statistics Service*

9:00 a.m. **Using Unequal Probability Sampling in Business Surveys To Limit Anticipated Variances of Regression Estimators**—*Anders Holmberg, Statistics Sweden*

9:25 a.m. **Replicate Variance Estimation and High-Entropy Variance Approximations**—*John Preston and Tamie Henderson, Australian Bureau of Statistics*

9:50 a.m. **Discussant:** K. R. W. Brewer, Australian National University

10:00 a.m. **Floor Discussion**

Session 31 Introductory Overview Lecture: System of National Accounts

room **Picardie A-B**

Chair: Eva Elvers, Statistics Sweden

8:35 a.m. **The U.S. Perspective**—*Brent Moulton, Bureau of Economic Analysis (U.S.)*

9:15 a.m. **The U.K./International Perspective**—*Robin Lynch, Office for National Statistics (U.K.)*

9:55 a.m. **Floor Discussion**

Session 32 Topic-Contributed: Sample Design and Estimation in Physician Surveys

room Auteuil A-B

Organizer: *Kennon R. Copeland, IMS Health (U.S.)*

Chair: *Sara Thran, American Medical Association (U.S.)*

8:35 a.m. **Deriving Practice-Level Estimates from Physician-Level Surveys**—*Catherine Burt, National Center for Health Statistics (U.S.)*

8:55 a.m. **Using Medicare Files To Construct a Sampling Frame for a Survey of Physicians**—*Vasudha Narayanan, Westat (U.S.)*

9:15 a.m. **Use of Measures of Size in Sample Design and Estimation of Physician Surveys**—*Kennon R. Copeland and Elizabeth Wallace, IMS Health (U.S.)*

9:35 a.m. **Determination of Target Sample Sizes for Physician Surveys**—*Darrell J. Philpot and Kennon R. Copeland, IMS Health (U.S.)*

9:55 a.m. **Floor Discussion**

Session 33 Contributed: Strategic Directions for Business Surveys

room Argenteuil

Chair: *Adam Safrir, RTI International (U.S.)*

8:35 a.m. **A Framework for Prioritizing Economic Statistics Programs**—*Thomas Mesenbourg and Ronald Lee, U.S. Census Bureau*

8:55 a.m. **Statistical Sampling Plans: Collaborative Efforts between Statisticians and Subject Matter Experts**—*Marla Smith, U.S. Environmental Protection Agency*

9:15 a.m. **100 Years of the U.K. Census of Production**—*Paul Smith and Stephen Penneck, Office for National Statistics (U.K.)*

9:35 a.m. **An Overview of Business Tendency Surveys**—*Richard Vincent and Richard Evans, Statistics Canada*

9:55 a.m. **Floor Discussion**

Session 34 Contributed: Treatment of Nonresponse

room Alfred-Rouleau B

Chair: *Jörgen Svensson, Statistics Sweden*

8:35 a.m. **Alternative Methods of Unit Nonresponse Weighting Adjustments: an Application from the Survey of Small Business Finances**—*Lieu Hazelwood, Traci Mach, and John Wolken, Board of Governors of the Federal Reserve (U.S.)*

8:55 a.m. **Redefining the Unit Nonresponse Adjustment Cells for SORAR**—** Laura Ozcoskun and Katherine Jenny Thompson, U.S. Census Bureau*

9:15 a.m. **Dealing with Item Nonresponse in a Catering Survey**—*Pauli Ollila, Statistics Finland, and Kaija Saarni and Asmo Honkanen, Finnish Game and Fisheries Research Institute*

9:35 a.m. **Response Rates and Response Patterns among New Businesses: Results from the Kauffman Firm Survey (KFS)**—*Zhanyun Zhao, Frank Potter, and Yuhong Zheng, Mathematica Policy Research, Inc. (U.S.)*

9:55 a.m. **Floor Discussion**

Refreshment break (coffee and tea)

10:10 a.m.–10:30 a.m.

room Grand Salon Foyer

Concurrent Sessions 10:30 a.m.–12:10

Session 35 Invited: Improving Statistics on the Subnational Public Sector

room Argenteuil

Organizer: *David Marker, Westat (U.S.)*

Chair: *David Marker, Westat (U.S.)*

10:35 a.m. **Recommendations for Research and Development Priorities for the Census Bureau State and Local Government Statistics Program**—*John Czajka, Mathematica Policy Research, Inc. (U.S.), and David Marker, Westat (U.S.)*

11:00 a.m. **Two-Dimensional Methodological Issues in Canadian Municipal Infrastructure Time Series**—*Aldo Diaz and Marie-Claude Duval, Statistics Canada*

11:25 a.m. **Better Information for Regional Government**—** Minda Phillips and Marie Cruddas, Office for National Statistics (U.K.)*

11:50 a.m. **Discussant: Henry S. Wulf, U.S. Census Bureau**

12:00 p.m. **Floor Discussion**

Session 36 Invited: A Global Path to Standards in Questionnaire Design

room Alfred-Rouleau A

Organizers: *Rebecca Morrison, U.S. Census Bureau, and Jacqui Jones, Office for National Statistics (U.K.)*

Chair: *Deirdre Giesen, Statistics Netherlands*

10:35 a.m. **Development of Questionnaire Design Guidelines**—*Rebecca Morrison, U.S. Census Bureau*

11:00 a.m. **Improved Questionnaire Design Yields Better Data: Experiences from the U.K.'s Annual Survey of Hours and Earnings**—*Jacqui Jones, Pete Brodie, Sarah Williams, and Jane Carter, Office for National Statistics (U.K.)*

11:25 a.m. **A Coherent Approach to Questionnaire Design Standards, Trends, and Implementation at the ABS**—*Rob Burnside and Emma Farrell, Australian Bureau of Statistics*

11:50 a.m. **Discussant:** *Don Dillman, Washington State University (U.S.)*

12:00 p.m. **Floor Discussion**

Session 37 Introductory Overview Lecture: Issues Related to Unit Nonresponse

room **Hospitalité**

Chair: *Frank Yu, Australian Bureau of Statistics*

10:35 a.m. **Measurement of Bias**—*Clyde Tucker and John Dixon, Bureau of Labor Statistics (U.S.), and David Cantor, Westat (U.S.)*

11:15 a.m. **Current/New Methods**—*Michael A. Hidiroglou and Wesley Yung, Statistics Canada*

11:55 a.m. **Floor Discussion**

Session 38 Topic-Contributed: The Response Process in Academic Business Surveys

room **Auteuil A-B**

Organizer: *Tony Hak, RSM Erasmus University (The Netherlands)*

Chair: *Paul P. Biemer, RTI International (U.S.)*

10:35 a.m. **The Collection and Validation of Financial Performance Data within a Voluntary Workplace Survey**—*John Forth, National Institute of Economic and Social Research (U.K.), and Robert McNabb, Cardiff University Business School (U.K.)*

10:55 a.m. **A Web-Based Method of Collecting Longitudinal Data**—*Cynthia S. Cycyota, United States Air Force Academy*

11:15 a.m. **How Informants Report about Interorganizational Relationships**—*Joan M. Phillips, University of Notre Dame (U.S.)*

11:35 a.m. **Quality of Academic Business Surveys: Strategies for Reducing Nonresponse and Enhancing Data Quality**—*Tony Hak, RSM Erasmus University (The Netherlands)*

11:55 a.m. **Floor Discussion**

Session 39 Contributed: Updating of Business Registers

room **Picardie A-B**

Chair: *Frank Nolan, Office for National Statistics (U.K.)*

10:35 a.m. **Using the Dun and Bradstreet Database as a Sampling Frame for Establishment Surveys**—*Sarah Cotton, Daniela Golinelli, John Adams, Megan Zander Cotugno, Lois Davis, and Robin Beckman, RAND Corporation (U.S.)*

Lunch

12:15 p.m.–1:45 p.m.

room **Grand Salon B-C**

Salad: Caesar salad

Entrée: Cheese tortellini, spinach fettuccine, and penne pasta with alfredo, marinara, and pesto sauces

Vegetarian entrée (substitution): Spinach fettuccine and penne pasta with alfredo, marinara, and pesto sauces

Heart-healthy entrée (substitution): Vegetable couscous

Dessert: Tiramisu

10:55 a.m. **An Evaluation of Changes to Universe Extraction Editing for Current Business Surveys**—**Carol King, U.S. Census Bureau*

11:15 a.m. **Evaluating the Effects of Business Register Updates on Monthly Survey Estimates**—*Daniel Lewis, Office for National Statistics (U.K.)*

11:35 a.m. **Development and Maintenance of the NASS List Frame**—*Stan Hoge and William Iwig, U.S. Department of Agriculture/National Agricultural Statistics Service*

11:55 a.m. **Floor Discussion**

Session 40 Contributed: Editing, Data Quality, and Disclosure Issues

room **Alfred-Rouleau B**

Chair: *Peter Linde, Statistics Denmark*

10:35 a.m. **Quality Metrics for Assessing the Impact of Editing and Imputation on Economic Data**—*Broderick Oliver and Katherine Jenny Thompson, U.S. Census Bureau*

10:55 a.m. **Data Validation for the 2006 Census of Agriculture**—*Charlie Arcaro, Statistics Canada*

11:15 a.m. **Microdata Simulation for Confidentiality of Tax Returns Using Quantile Regression and Hot Deck**—*Jennifer Huckett, Iowa State University (U.S.)*

11:35 a.m. **A New Approach for Disclosure Control in the IAB Establishment Panel: Multiple Imputation for Better Data Access**—*Jörg Drechsler, Stefan Bender, Agnes Dundler, Susanne Rässler, and Thomas Zwick, Institute for Employment Research (IAB) (Germany)*

11:55 a.m. **Floor Discussion**

Lunch

12:15 p.m.–1:45 p.m.

room **Grand Salon B-C**

Session 41: Software Demonstrations

1:30 p.m.–6:00 p.m.

room Grand Salon A

SD-19: Forillon: Benchmarking Made Easy!—*Edith Latendresse and Chantal Marquis, Statistics Canada***SD-20: Community Economic Development Hot Report**—*Lars Vilhuber, Cornell University (U.S.)***SD-21: Question Repository System**—*Quentin Coleman, U.S.**Department of Agriculture/National Agricultural Statistics Service***SD-22: Application of GIS and Remote-Sensing Techniques to Survey Data**—*Claire Boryan, U.S. Department of Agriculture/National Agricultural Statistics Service***SD-23: Making Sense of Data via the Web**—*Iwvin Anolik, U.S.**Department of Agriculture/National Agricultural Statistics Service***SD-24: SPSS Survey and Research Solutions**—*Tim Daciuk and**Nancy Dobrozdavic, SPSS Inc. (U.S.)***Session 42 Contributed: Poster Session**

1:30 p.m.–6:00 p.m.

room Grand Salon A

P-1: Multimodal Approach for Increasing Response Rates for Surveys of Slaughter and Processing Plants—*Sheryl Cates, Catherine Viator, and Nadia Paoli, RTI International (U.S.)***P-2: Comparison of Fishery Enterprise Survey Findings to External Economic Indicators in Finland**—*Anssi Ahvonen, Asmo Honkanen, and Lari Veneranta, Finnish Game and Fisheries Research Institute***P-3: Fishery Barometer Surveys the Economic Outlook of the Finnish Fisheries in the Entire Value Chain**—*Asmo Honkanen and Anssi Ahvonen, Finnish Game and Fisheries Research Institute***P-4: An Overview of the Survey on Recruitment and Employment in Québec**—*Éric Gagnon and Marie-Ève Tremblay, Institut de la statistique du Québec (Canada)***P-5: Bootstrap Tests of Hypothesis for Survey Data**—*Cynthia Bocci and Jean-François Beaumont, Statistics Canada***P-6: Developing Business Conditions Surveys for Services Industry**—*Sanping Chen and Hansheng Xie, Statistics Canada***P-7: The Hybrid Ratio Estimator: a Ratio Estimator That Handles Domains and Universe Totals**—*Brian Simonson, The Lewin Group (U.S.)***P-8: Survey Structure and Method of the Workplace Panel Survey in Korea**—*Byung You Cheon, Korea Labor Institute***P-9: Suitability of the USPS Delivery Sequence File as a Commercial Building Frame**—*Stephanie Eckman, Michael Colicchia, and Colm O'Muircheartaigh, NORC at the University of Chicago (U.S.)***P-10: ACS-Automated Cell Suppression Demonstration**—*Gordon Sande, Sande and Associates (Canada)***Concurrent Sessions 1:45 p.m.–3:25 p.m.****Session 43 Invited: Generalized Survey Processing Systems: an Update**

room Hospitalité

Organizer: *Paula Weir, Energy Information Administration (U.S.)***Chair:** *John Pearson, Statistics New Zealand*1:50 p.m. **An Assessment of the U.S. Census Bureau's Experience with Developing Generalized Economic Programs Processing Systems**—*Eddie Salyers, Beverly Eng, and Donna Hambric, U.S. Census Bureau*2:15 p.m. **The Continuing Evolution of Generalized Systems at Statistics Canada for Business Survey Processing**—*Chris Mohl, Statistics Canada*2:40 p.m. **Toward More Integrated Generalized Processing Systems: the ABS Experience for Economic Surveys**—*Eden Brinkley and Judy Henson, Australian Bureau of Statistics*3:05 p.m. **Discussant:** *Paula Weir, Energy Information Administration (U.S.)*3:15 p.m. **Floor Discussion****Session 44 Invited: Methods Addressing Agricultural Statistics Issues**

room Alfred-Rouleau B

Organizer: *Claude Poirier, Statistics Canada***Chair:** *Norman Bennett, U.S. Department of Agriculture/National Agricultural Statistics Service*1:50 p.m. **Improving Response in Farm Surveys through the Use of Geo-Referenced Data**—*Philip Kokic and Kenton Lawson, Australian Bureau of Agricultural and Resource Economics*2:15 p.m. **Recent Initiatives in U.K. Agriculture Surveys**—*Peter Helm, Racheal Walker, Nick J. Olney, and Graham Collett, Department for Environment, Food, and Rural Affairs (U.K.)*2:40 p.m. **The Redesign of Statistics Canada Agriculture Surveys**—*Claude Poirier and Laurie Reedman, Statistics Canada*3:05 p.m. **Discussant:** *Carol House, U.S. Department of Agriculture/National Agricultural Statistics Service*3:15 p.m. **Floor Discussion**

Session 45 Topic-Contributed: Nonresponse Bias Analysis in U.S. Government Surveys

room **Alfred-Rouleau A**

Organizer: Carl Ramirez, U.S. Government Accountability Office

Chair: Catherine Burt, National Center for Health Statistics (U.S.)

1:50 p.m. **Nonresponse Bias Analysis of the Survey of Workplace Violence Prevention**—Andrew Kato, Kathy Downey, William McCarthy, and Samantha Cruz, Bureau of Labor Statistics (U.S.)

2:10 p.m. **Assessing Nonresponse Bias in a Survey of Nursing Homes**—Karen E. Davis, National Center for Health Statistics (U.S.)

2:30 p.m. **Nonresponse Bias Analysis in a Survey of Banks**—Carl Ramirez, U.S. Government Accountability Office

2:50 p.m. **Assessing Nonresponse Bias in Estimates of Employment**—Clyde Tucker and John Dixon, Bureau of Labor Statistics (U.S.)

3:10 p.m. **Floor Discussion**

Session 46 Contributed: Respondents' Perspectives on Survey Collection

room **Picardie A-B**

Chair: Martin Brand, Office for National Statistics (U.K.)

1:50 p.m. **Higher Quality and Lower Burden through Better Relations: Large Enterprise Management**—Anna-Greta Erikson, Statistics Sweden

2:10 p.m. **A Surgical Approach for Implementing CIPSEA**—Jacob Bournazian, Energy Information Administration (U.S.)

2:30 p.m. **Sources of Measurement Errors in Business Surveys**—Mojca Bavadz, University of Ljubljana (Slovenia)

2:50 p.m. **The Unrecognized Interviewer: Studying Respondent Behavior in an Establishment Survey of U.S. Academic Institutions**—Scott Crawford, Survey Sciences Group (U.S.), and Emilda Rivers, National Science Foundation (U.S.)

3:10 p.m. **Floor Discussion**

Session 47 Contributed: Sample Design Challenges

room **Argenteuil**

Chair: Anders Holmberg, Statistics Sweden

1:50 p.m. **Estimation of Finite Population Mean Using Ranked Set, Two-Stage Sampling Designs**—U. C. Sud and Dwijesh Chandra Mishra, Indian Agricultural Statistical Research Institute

2:10 p.m. **Design Effects of Sampling Frames in Establishment Surveys of Small Populations**—Monroe Sirken and Iris Shimizu, National Center for Health Statistics (U.S.)

2:30 p.m.

Sample Design for the FDIC's Asset Valuation Review—David W. Chapman, Federal Deposit Insurance Corporation (U.S.)

2:50 p.m.

Measuring the Success of the Updated Sample Design for the Medical Expenditure Panel Survey: Insurance Component—John P. Sommers, Agency for Healthcare Research and Quality (U.S.), and Anne Kearney, U.S. Census Bureau

3:10 p.m.

Floor Discussion

Session 48 Contributed: Seasonal Adjustment

room **Auteuil A-B**

Chair: Alex Teterukovsky, Statistics Sweden

1:50 p.m. **Issues in Modeling and Adjusting for Calendar Effects in Economic Time Series**—Brian Monsell, U.S. Census Bureau

2:10 p.m. **Assessment of Diagnostics for the Presence of Seasonality**—Catherine Hood, Catherine Hood Consulting (U.S.)

2:30 p.m. **Comparing Automatic Modeling Procedures of TRAMO and X-12-ARIMA: an Update**—Kathleen McDonald-Johnson, Chak Li, and Brian Monsell, U.S. Census Bureau, and Catherine Hood, Catherine Hood Consulting (U.S.)

2:50 p.m. **Determining Seasonality: a Comparison of Diagnostics from X-12-ARIMA**—Demetra Lytras, William Bell, and Roxanne Feldpausch, U.S. Census Bureau

3:10 p.m. **Floor Discussion**

Refreshment break (sodas and water)

3:25 p.m.–3:50 p.m.

room **Grand Salon Foyer**

Concurrent Sessions 3:50 p.m.–5:30 p.m.

Session 49 Invited: Toward a Better Understanding of the Response Process in Surveys of Businesses and Organizations

room **Alfred-Rouleau B**

Organizer: Diane K. Willimack, U.S. Census Bureau

Chair: Jacqui Jones, Office for National Statistics (U.K.)

3:55 p.m. **The Response Process Model as a Tool for Evaluating Business Surveys**—Deirdre Giesen, Statistics Netherlands

4:20 p.m. **Using the Theory of Socially Distributed Cognition To Analyze the Establishment Survey Response Process**—Boris Lorenc, Statistics Sweden

4:45 p.m. **Considering the Establishment Survey Response Process in the Context of the Administrative Sciences**—Diane K. Willimack, U.S. Census Bureau

5:10 p.m. **Discussant:** David Cantor, Westat (U.S.)

5:20 p.m. **Floor Discussion**

Session 50 Invited: Usage of Linearization Variance Estimators for Survey Estimates

room **Picardie A-B**

Organizer: Katherine Jenny Thompson, U.S. Census Bureau

Chair: Katherine Jenny Thompson, U.S. Census Bureau

3:55 p.m. **An Overview of the Pros and Cons of Linearization versus Replication—***Richard Valliant*, University of Michigan (U.S.)

4:20 p.m. **Linearization Variance Estimators for Survey Data: Some Recent Work—***A. Demnati*, Statistics Canada, and *J. N. K. Rao*, Carleton University (Canada)

4:45 p.m. **Investigation of Jackknife Linearization Variance Estimators for U.S. Census Bureau Business Survey Estimates—***Samson A. Adeshian* and *Katherine Jenny Thompson*, U.S. Census Bureau

5:10 p.m. **Discussant:** Keith Rust, Westat (U.S.)

5:20 p.m. **Floor Discussion**

Session 51 Topic-Contributed: Response Management Strategies in Statistics Canada and the U.S. Census Bureau

room **Hospitalité**

Organizer: Janet Sear, Statistics Canada

Chair: Marie Brodeur, Statistics Canada

3:55 p.m. **Holistic Response Management at Statistics Canada—***Janet Sear* and *Lucie Vinette*, Statistics Canada

4:15 p.m. **Enterprise Portfolio Management Program—***Wilf Bozzato*, Statistics Canada

4:35 p.m. **Strategic Response Program—***Janet Hughes*, *Donna Stephens*, and *Lola Docherty*, Statistics Canada

4:55 p.m. **Company-Centric Communication Approaches for Business Survey Response Management—**
**Robert Marske*, *Laurie Torene*, and *Michael Hartz*, U.S. Census Bureau

5:15 p.m. **Floor Discussion**

Session 52 Contributed: Administrative Data: Warehousing and Quality

room **Auteuil A-B**

Chair: John Kovar, Statistics Canada

3:55 p.m. **Unified Enterprise Survey and Metadata—***Sylvain Boucher*, Statistics Canada

4:15 p.m. **Input Data Warehousing: Canada's Experience with Establishment-Level Information—**
Greg Peterson, Statistics Canada

4:35 p.m. **Challenges in Collecting Police-Reported Crime Data—***Colin Babyak*, Statistics Canada

4:55 p.m. **Floor Discussion**

Session 53 Contributed: Utilizing Tax Data in Estimation

room **Alfred-Rouleau A**

Chair: John Wood, Office for National Statistics (U.K.)

3:55 p.m. **Tax Data as a Means for the Essential Reduction of the Short-Term Survey Response Burden—**
Rudi Seljak and *Metka Zaletel*, Statistical Office of the Republic of Slovenia

4:15 p.m. **Reducing the Costs and Response Burden of the Farm Financial Survey—***Peter Wright* and *David MacNeill*, Statistics Canada

4:35 p.m. **Impact of Using Fiscal Data on the Imputation of the Unified Enterprise Survey of Statistics Canada—***Jean-Sébastien Provençal*, Statistics Canada

4:55 p.m. **Estimation in the Presence of Tax Data in Business Surveys—***David Haziza*, Université de Montréal, and *Joana Bérubé* and *Gordon Kuromi*, Statistics Canada

5:15 p.m. **Floor Discussion**

Thursday, June 21

Refreshment break (coffee and tea)

7:30 a.m.–8:30 a.m.

room Grand Salon Foyer

Registration

7:30 a.m.–5:30 p.m.

room Grand Salon Foyer

Concurrent Sessions 8:30 a.m.–10:10 a.m.

Session 54 Invited: Advances in Disclosure Protection: Releasing More Business and Farm Data to the Public

room Picardie A-B

Organizer: Steve Cohen, Bureau of Labor Statistics (U.S.)

Chair: Barry Johnson, U.S. Internal Revenue Service

8:35 a.m. **Lessons Learned from Internet Dissemination of Confidential Farm Survey Results: U.S. Department of Agriculture's Agricultural Resource Management Survey**—*Mitchell Morehart, U.S. Department of Agriculture/Economic Research Service*

9:00 a.m. **Protecting the Confidentiality of Tables by Adding Noise to the Underlying Microdata**—*Paul Massell and Jeremy Funk, U.S. Census Bureau, and Jonaki Bose, Bureau of Transportation Statistics (U.S.)*

9:25 a.m. **Quality-Preserving Controlled Tabular Adjustment: an Alternative to Complementary Cell Suppression for Disclosure Limitation of Tabular Magnitude Data**—*Lawrence Cox, National Center for Health Statistics/Centers for Disease Control and Prevention (U.S.)*

9:50 a.m. **Discussant:** *John Eltinge, Bureau of Labor Statistics (U.S.)*

10:00 a.m. **Floor Discussion**

Session 55 Invited: Getting Response: the Respondent's Perspective

room Alfred-Rouleau A

Organizers: *Ger Snijkers and Martin Luppés, Statistics Netherlands*

Chair: *Martin Luppés, Statistics Netherlands*

8:35 a.m. **Paper and Web Questionnaires Seen from the Business Respondent's Perspective**—*Gustav Haraldsen, Statistics Norway, and Jacqui Jones, Office for National Statistics (U.K.)*

9:00 a.m. **Understanding the Decision To Participate in a Business Survey**—*Ger Snijkers and Martin Luppés, Statistics Netherlands*

9:25 a.m.

Factors Influencing Business Respondents' Decision To Adopt Web Returns—*Zoë Dowling, University of Surrey (U.K.), and Kristin Stettler, U.S. Census Bureau*

9:50 a.m.

Discussant: *Don Dillman, Washington State University (U.S.)*

10:00 a.m.

Floor Discussion

Session 56 Introductory Overview Lecture: Variance Estimation

room Argenteuil

Chair: *Frank Potter, Mathematica Policy Research, Inc. (U.S.)*

8:35 a.m. **Design-Based Variance Estimation**—*Kirk Wolter, NORC at the University of Chicago (U.S.)*

9:15 a.m. **Model-Based Variance Estimation**—*Phillip S. Kott, U.S. Department of Agriculture/National Agricultural Statistics Service*

9:55 a.m. **Floor Discussion**

Session 57 Topic-Contributed: Experiences from Web Collection in Establishment Surveys

room Hospitalité

Organizer: *David Cantor, Westat (U.S.)*

Chair: *David Cantor, Westat, (U.S.)*

8:35 a.m. **Using the Web for Surveys of Medical Providers**—*Vasudha Narayanan, Pamela Giambo, Stephanie Fry, and Jennifer Crafts, Westat (U.S.)*

8:55 a.m. **Web Design Issues in a Survey of Businesses Applying to an Advanced Technology Program**—*Kerry Levin and Jennifer O'Brien, Westat (U.S.)*

9:15 a.m. **Web Usage in a Business Panel Survey**—*David Marker and Janice Machado, Westat (U.S.)*

9:35 a.m. **Use of a Web Survey in a Study of Academic and Biomedical Research Facilities**—*Tim Smith and Cyndy Gray, Westat (U.S.), and Leslie Christovich, National Science Foundation (U.S.)*

9:55 a.m. **Floor Discussion**

Session 58 Contributed: Estimation Issues in Sample Surveys

room Alfred-Rouleau B

Chair: *Michael A. Hidiroglou, Statistics Canada*

8:35 a.m. **Optimal Number of Replicates for Variance Estimation**—*Mansour Fahimi, Peter H. Siegel, Darryl Creel, and Matt Westlake, RTI International (U.S.)*

8:55 a.m. **A Resampling Study of NASS' Survey MPPS Sampling Strategy**—*Stanley Weng, U.S. Department of Agriculture/National Agricultural Statistics Service*

9:15 a.m. **A Comparison of Variance Estimates for Schools and Students Using Taylor Series and Replicate Weighting**—Peter H. Siegel, James R. Chromy, and Ellen Scheib, RTI International (U.S.)

9:35 a.m. **Improved County-Level Estimation of Crop Yield Using Model-Based Methodology with a Spatial Component**—Michael E. Bellow, U.S. Department of Agriculture/National Agricultural Statistics Service

9:55 a.m. **Floor Discussion**

Refreshment break (coffee and tea)

10:10 a.m.–10:30 a.m.

room Grand Salon Foyer

Concurrent Sessions 10:30 a.m.–12:10

Session 59 Invited: Challenges and Strategies in Implementing Quality Management Programs

room Picardie A-B

Organizer: Pamela McGovern, U.S. Census Bureau

Chair: Ron McKenzie, Statistics New Zealand

10:35 a.m. **Quality Review of Key Indicators Programs at Statistics Canada**—Claude Julien and Don Royce, Statistics Canada

11:00 a.m. **Quality Improvement in the Office for National Statistics**—Cynthia Clark and Frank Nolan, Office for National Statistics (U.K.)

11:25 a.m. **Developing a Quality Assurance Program for the U.S. Census Bureau's Business Register**—David Chapman, U.S. Census Bureau

11:50 a.m. **Discussant:** Gunlög Eiderbrant-Nilsson, Statistics Sweden

12:00 p.m. **Floor Discussion**

Session 60 Invited: Collecting Data Electronically from Businesses: the Dream and the Reality

room Alfred-Rouleau A

Organizer: Robert Lussier, Statistics Canada

Chair: Robert Lussier, Statistics Canada

10:35 a.m. **The Electronic Reporting Option: Does It Make Sense of Cents?**—Thomas Mesenbourg and Ronald Lee, U.S. Census Bureau

11:00 a.m. **Everything You Wanted to Know about EDR at Statistics Canada!**—Jocelyn Burgess, Statistics Canada

11:25 a.m. **Evaluation and Implementation of EDR in School-Based Research**—Lesli Jo Scott and Sue Ellen Hansen, University of Michigan (U.S.)

11:50 a.m. **Discussant:** Sven Björkqvist, Statistics Finland

12:00 p.m. **Floor Discussion**

Session 61 Topic-Contributed: Generalized Survey Processing Systems, Part 2

room Alfred-Rouleau B

Organizer: Paula Weir, Energy Information Administration (U.S.)

Chair: Chris Mohl, Statistics Canada

10:35 a.m. **Statistics New Zealand's Business Model Transformation Strategy: Creating a New Business Model for the National Statistical Office of the 21st Century**—Tracey Savage and John Pearson, Statistics New Zealand

10:55 a.m. **Generalized Census Processing System at the National Agricultural Statistics Service**—Thomas Jacob and Carol House, U.S. Department of Agriculture/National Agricultural Statistics Service

11:15 a.m. **StEPS at EIA: Where We Are Now**—Paula Weir and Sue Harris, Energy Information Administration (U.S.)

11:35 a.m. **Floor Discussion**

Session 62 Contributed: Outlier Detection and Robust Estimation

room Argenteuil

Chair: Jean-François Beaumont, Statistics Canada

10:35 a.m. **Investigation of Macroediting Techniques for Outlier Detection in Survey Data**—Katherine Jenny Thompson, U.S. Census Bureau

10:55 a.m. **Winsorization for Estimates of Change**—Daniel Lewis, Office for National Statistics (U.K.)

11:15 a.m. **Investigation of Treatment of Influential Values**—Mary Mulry and Roxanne Feldpausch, U.S. Census Bureau

11:35 a.m. **Outlier Detection and Accommodation for Business Surveys Utilizing Multiple Linear Regression Models**—Robert Philips, Statistics Canada

11:55 a.m. **Floor Discussion**

Session 63 Contributed: Factors That Affect Establishment Survey Participation

room Auteuil A-B

Chair: Hans Kiesl, Institute for Environmental Research (Germany)

10:35 a.m. **Survey Burden and Nonresponse: Does More Burden Really Mean Less Response?**—Jaki McCarthy, Daniel Beckler, and Suzette Qualey, U.S. Department of Agriculture/National Agricultural Statistics Service

10:55 a.m.	The Effects of Survey Design Features and Economic Conditions on Business Survey Response Rates — <i>Diane K. Willimack</i> , U.S. Census Bureau
11:15 a.m.	Like, But Oh, How Different: the Impact of Questionnaire Length and Format in the U.S. Census of Agriculture — <i>Jaki McCarthy</i> , U.S. Department of Agriculture/National Agricultural Statistics Service
11:35 a.m.	Floor Discussion

Session 64 Contributed: Sampling Frame and Design Challenges

room	Hospitalité
Chair:	<i>Marla Smith</i> , U.S. Environmental Protection Agency
10:35 a.m.	Evaluation of the NSRCG School Sample — <i>Donsig Jang</i> and <i>Xiaojing Lin</i> , Mathematica Policy Research, Inc. (U.S.)
10:55 a.m.	Sampling for a Highly Skewed Population: Design for National Survey of Residential Care Facilities — <i>Margie Byron</i> , <i>Angela Greene</i> , <i>Vince Iannacchione</i> , <i>John Loft</i> , and <i>Joshua Wiener</i> , RTI International (U.S.)
11:15 a.m.	Improving Efficiency in a Complex Establishment Survey Design: the O*NET Data Collection Program — <i>Marcus Berzofsky</i> , <i>Susan McRitchie</i> , <i>Brandon Welch</i> , and <i>Rick Williams</i> , RTI International (U.S.)
11:35 a.m.	Surveying Schools: Frame, Sampling, and Response Rate Issues — <i>Cynthia Bland</i> and <i>Karol Krotki</i> , RTI International (U.S.)
11:55 a.m.	Floor Discussion

Lunch on own

12:15 p.m.–1:45 p.m.

Concurrent Sessions 1:45 p.m.–3:25 p.m.

Session 65 Invited: Building and Updating Establishment Registries in Developing Countries

room	Auteuil A-B
Organizer:	<i>Alex Korns</i> , Independent Consultant (U.S.)
Chair:	<i>Shyam Upadhyaya</i> , United Nations Industrial Development Organization
1:50 p.m.	Updating the Sri Lankan Registry of Industry and the Role of IT — <i>Alex Korns</i> , Independent Consultant (U.S.)
2:15 p.m.	Register Building and Updating in Developing Countries — <i>William Weeks</i> , United Nations Industrial Development Organization
2:40 p.m.	Business Register Guidelines for Small Developing Nations — <i>Geoff Mead</i> , Statistics New Zealand

3:05 p.m.	Discussant: <i>Eddie Salyers</i> , U.S. Census Bureau
3:15 p.m.	Floor Discussion

Session 66 Invited: Outliers and Influential Observations in Establishment Surveys

room	Picardie A-B
Organizers:	<i>John Eltinge</i> , Bureau of Labor Statistics (U.S.), and <i>Howard Hogan</i> , U.S. Census Bureau
Chair:	<i>Brian Monsell</i> , U.S. Census Bureau
1:50 p.m.	Multivariate Outlier Detection and Treatment in Business Surveys — <i>Beat Hulliger</i> , University of Applied Sciences Northwestern Switzerland
2:15 p.m.	Influential Observations and Collinearity in Regression Models — <i>Ted Chang</i> , University of Virginia (U.S.), and <i>Phillip S. Kott</i> , U.S. Department of Agriculture/National Agricultural Statistics Service
2:40 p.m.	Characterization and Optimization of Drill-Down Methods for Outliers in Establishment Surveys — <i>John Eltinge</i> , Bureau of Labor Statistics (U.S.)
3:05 p.m.	Discussant: <i>Hyunshik Lee</i> , Westat (U.S.)
3:15 p.m.	Floor Discussion

Session 67 Introductory Overview Lecture: Data Collection

room	Alfred-Rouleau B
Chair:	<i>Diane K. Willimack</i> , U.S. Census Bureau
1:50 p.m.	Multimode Data Collection: Why, When, and How — <i>Richard Rosen</i> , Bureau of Labor Statistics (U.S.)
2:30 p.m.	Nonresponse Reduction Methods — <i>Carl Ramirez</i> , U.S. Government Accountability Office, and <i>Jaki McCarthy</i> , U.S. Department of Agriculture/National Agricultural Statistics Service

3:10 p.m. **Floor Discussion**

Session 68 Contributed: Design and Response Challenges

room	Argenteuil
Chair:	<i>Fritz Scheuren</i> , NORC at the University of Chicago (U.S.)
1:50 p.m.	Redesigning the German Job Vacancy Survey: Assessing the Impact of High Nonresponse Rates — <i>Hans Kiesl</i> and <i>Susanne Rässler</i> , Institute for Employment Research (Germany)
2:10 p.m.	Determining Subsampling Rates for Nonrespondents — <i>Rachel Harter</i> , NORC at the University of Chicago (U.S.); <i>Janella Chapline</i> , University of Chicago (U.S.); and <i>Traci Mach</i> and <i>John Wolken</i> , Board of Governors of the Federal Reserve (U.S.)

2:30 p.m. **Business Employment Dynamics: State Gross Job Flows**—*Eric Simants* and *David M. Talan*, Bureau of Labor Statistics (U.S.)

2:50 p.m. **Special Features of Sampling Design in Environmental Surveys of Establishments—**
Jorge Saralegui and Cesar Berrade, National Institute of Statistics (INE) (Spain)

3:10 p.m. **Floor Discussion**

Session 69 Contributed: Coordination of Sample Design/Selection between Surveys

room **Alfred-Rouleau A**
Chair: *Jeff Bailey, U.S. Department of Agriculture/National Agricultural Statistics Service*

1:50 p.m. **On Coordination of Pareto pps Samples and Stratified Simple Random Samples—**
Annika Lindblom and Alex Teterukovsky, Statistics Sweden

2:10 p.m. **Optimal Coordination of Samples in Business Surveys—**
Lenka Mach, Jean-Marc Fillion, and Ioana Schiopu-Kratina, Statistics Canada, and Philip Reiss, New York University School of Medicine (U.S.)

2:30 p.m. **The Random Sampling/Tracking Tool: a Response to Over-Surveying—**
Steven Graves, Intel Corporation (U.S.)

2:50 p.m. **Standardization: a Survey of Tobacco Retail Outlets in 50 United States, DC, and Territories—**
Lily Trofimovich, RTI International (U.S.)

3:10 p.m. **Floor Discussion**

Session 70 Contributed: Reconciliation and Coherence across Surveys

room **Hospitalité**
Chair: *Gunlöö Eiderbrant-Nilsson, Statistics Sweden*

1:50 p.m. **Reconciliation of the 2006 Canadian Census of Agriculture with the Farm Register—**
Martin Lachance, Statistics Canada

2:10 p.m. **The Challenge of Integrating New Surveys into an Existing Business Survey Infrastructure—**
Éric Pelletier, Statistics Canada

2:30 p.m. **Implementation of the NAICS 2007 Revision in the Bureau of Labor Statistics Programs—**
Amanda Chadwick and Michael Searson, Bureau of Labor Statistics (U.S.)

2:50 p.m. **The Emerging Role of the Head Office in the Canadian Statistical System—**
Tony Dupuis and Rob Williams, Statistics Canada

3:10 p.m. **Floor Discussion**

Refreshment Break (sodas and water)

3:25 p.m.–3:50 p.m.
room **Grand Salon Foyer**

Concurrent Sessions 3:50 p.m.–5:30 p.m.

Session 71 Invited: Surveys of Environmental Protection: Experiences and Challenges

room **Alfred-Rouleau B**
Organizer: *Randy Becker, U.S. Census Bureau*
Chair: *Paul Smith, Office for National Statistics (U.K.)*

3:55 p.m. **Environmental Surveys of Establishments: the Canadian Experience—**
Jeffrey Fritzsche, Statistics Canada

4:20 p.m. **Experiences in Collecting Data on Environmental Protection Expenditures in Sweden—**
Mats Eberhardsson, Statistics Sweden

4:45 p.m. **Issues and Challenges in Estimating Environmental Expenditures by U.S. Manufacturing: the PACE Survey—**
Randy Becker, U.S. Census Bureau, and Ronald Shadbegian, U.S. Environmental Protection Agency

5:10 p.m. **Discussant:** *Nancy Olsson, Eurostat*

5:20 p.m. **Floor Discussion**

Session 72 Invited: Targeting Intensive Follow-up of Nonrespondents in Establishment Surveys

room **Hospitalité**
Organizer: *Greg Griffiths, Australian Bureau of Statistics*
Chair: *Ron McKenzie, Statistics New Zealand*

3:55 p.m. **Realizing Value from Follow-up of Nonresponse in ABS Business Surveys—**
Greg Griffiths, Dina Neiger, Matt Ashton, and Louise Gates, Australian Bureau of Statistics

4:20 p.m. **A Strategy for Prioritizing Nonresponses Follow-up To Reduce Costs Without Reducing Output Quality—**
Gareth James, Office for National Statistics (U.K.)

4:45 p.m. **Prioritizing Follow-up for the Canadian Quarterly Survey of Financial Statistics—**
Pierre Daoust, Statistics Canada

5:10 p.m. **Discussant:** *Clyde Tucker, Bureau of Labor Statistics (U.S.)*

5:20 p.m. **Floor Discussion**

Session 73 Topic-Contributed: Identifying Nonprofit Organizations and Measuring Their Activity through Establishment Surveys and Administrative Records

room **Argenteuil**

Organizer: Martin H. David, Urban Institute (U.S.)

Chair: John Czajka, Mathematica Policy Research, Inc. (U.S.)

3:55 p.m. **Nonprofit Organizations in Hungary: Methodology for Estimating the Evolution of the NGO Sector—**
István Sebestény, Civitalis (Hungary)

4:15 p.m. **Panel Analysis of NGOs in Germany: Design and Preliminary Results—***Lutz Bellmann and Christian Hohendanner, Institute for Employment Research (Germany)*

4:35 p.m. **Combining Administrative Records and Business Registers To Obtain Quarterly Estimates of Employment in the Nonprofit Sector in the USA—**
Martin H. David, Urban Institute (U.S.)

4:55 p.m. **State of the Sector Panel: Design and Execution of a Panel of NGO Organizations in the U.K.—**
Carol Goldstone, Carol Goldstone Associates (U.K.)

5:15 p.m. **Floor Discussion**

Session 74 Contributed: Evolution of Web Reporting in Establishment Surveys

room **Alfred-Rouleau A**

Chair: David Desroches, Mathematica Policy Research, Inc. (U.S.)

3:55 p.m. **Comparing Alternative Approaches for Displaying Edit Messages in Web Forms—***
William Mockovak, Bureau of Labor Statistics (U.S.)

4:15 p.m. **The Evolution of Web Surveys at the U.S. Department of Agriculture's National Agricultural Statistics Service—**
Linda Gregory, U.S. Department of Agriculture/National Agricultural Statistics Service, and Kathleen Ott, U.S. Census Bureau

4:35 p.m. **Effects of Offering Web Questionnaires as an Option in Enterprise Surveys: the Swedish Experience—**
Johan Erikson and Eva Furubjelke, Statistics Sweden

4:55 p.m. **Respondent Acceptance of Web and Email Data Reporting for an Establishment Survey—**
Louis Harrell, Antonio Gomes, Richard Rosen, and Hong Yu, Bureau of Labor Statistics (U.S.)

5:15 p.m. **Floor Discussion**

Closing dinner with cash bar

6:30 p.m.–9:15 p.m.

room **Grand Salon A/B/C**

Salad: Caesar salad and soup of the day

Entrée: Herb-crusted chicken breast with savory stuffing

Vegetarian entrée (substitution): Grilled vegetables

Heart-healthy entrée (substitution): Grilled salmon

Dessert: Dessert of the day

Session 75 Contributed: Issues in Survey Redesign 2

room **Picardie A-B**

Chair: Daniel Beckler, U.S. Department of Agriculture/National Agricultural Statistics Service

3:55 p.m. **Sharing Best Practices for the Redesign of Three Business Surveys—**
Charles Tardif, Statistics Canada

4:15 p.m. **Survey of Electronic Commerce and Technology: Past, Present, and Future Challenges—**
Jason Raymond, Statistics Canada

4:35 p.m. **Fixed Panel Survey of Hospitals: Sampling and Estimation Challenges—**
Darryl Creel, RTI International (U.S.)

4:55 p.m. **Enhancing the Quality of Price Indexes—**
Zdenek Patak and Jack Lothian, Statistics Canada

5:15 p.m. **Floor Discussion**

Cash bar

5:30 p.m.–6:30 p.m.

room **Grand Salon Foyer**

Closing dinner with cash bar

6:30 p.m.–9:15 p.m.

room **Grand Salon A/B/C**

Session 76 Panel Discussion: The Future of Using Administrative Data Sources for Statistical Purposes

7:45 p.m.–9:15 p.m.

room **Grand Salon A/B/C**

Chair: Howard Hogan, U.S. Census Bureau

Moderator: Fritz J. Scheuren, NORC at the University of Chicago (U.S.)

Panelists: Heli Jeskanen-Sundström, Statistics Finland, Stephen Penneck, Office for National Statistics (U.K.), and Don Royce, Statistics Canada

Conference adjourns

9:30 p.m.

*Speaker Substitutions

Session 3: Steps to Provide Quality Industrial Coding for a Business Register

Franklin Winters will present Making Quality Improvements to an Automated Industry Coding Application for U.S. Business Establishments

Andrew Allen will present Implementing Coding Tools for a New Classification

Session 8: Design and Analysis Challenges

Ruth Detlefsen will present Can We Continue To Exclude Small, Single-Establishment Businesses from Annual Survey Data Collection?

Session 10: Commodity Flow Surveys

Ruth Detlefsen will present Designing the 2007 Commodity Flow Survey

Session 13: Nonresponse Reduction Strategies 1

Anne Russell will present Improving the Effectiveness of Interviewer-Administered Surveys through Refusal Avoidance Training

Session 14: Variance Estimation

Samson Adeshiyan will present Random Group Variance Adjustments When Hot Deck Imputation Is Used To Compensate for Nonresponse

Session 19: Designing Survey Materials from the Respondents' Perspectives

Anne Russell will present Working with Respondents To Improve Reli- evancy of Inventory Statistics

Anne Russell will present Using Focus Groups To Improve Response in Monthly Surveys

Session 22: Uses of Metadata for Establishment Survey

Mark E. Wallace will present Experiences with Developing and Using Metadata-Driven Processing Systems for the Economic Census

Session 24: Electronic Data Collection Modes for Establishment Surveys

Shirin Ahmed will present Using Software To Collect Data Electronically for the Economic Census

Session 25: Employment Dynamics

Eric Simants will present Measurement of Establishment Birth and Death in Business Employment Dynamics

Session 27: Nonresponse Reduction Strategies 2

Norman Bennett will present Incentives in Surveys of Farmers

Session 34: Treatment of Nonresponse

Samson Adeshiyan will present Redefining the Unit Nonresponse Adjustment Cells for SORAR

Session 35: Improving Statistics on the Subnational Public Sector

Martin Brand will present Better Information for Regional Government

Session 39: Updating of Business Registers

Ruth Detlefsen will present An Evaluation of Changes to Universe Extrac- tion Editing for Current Business Surveys

Session 51: Response Management Strategies in Statistics

Canada and the U.S. Census Bureau

Shirin Ahmed will present Company-Centric Communication Approaches for Business Survey Response Management

Session 74: Evolution of Web Reporting in Establishment Surveys

Kathy Downey will present Comparing Alternative Approaches for Dis- playing Edit Messages in Web Forms