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European Conference
on Quality in Official Statistics

Programme

Kraków, Poland, 26–29 June 2018

Welcome to Q2018 Conference

Dear colleagues,

Statistics Poland and Eurostat are pleased to welcome you to the European Conference on Quality in Official Statistics Q2018, which will be held in Kraków on 27–29 June 2018. The event will be preceded by a series of training courses on 26 June.

The Q2018 conference is the ninth consecutive quality conference involving the international statistical community. It will cover a wide range of topics relating to methodology and quality in official statistics.

The conference aims to present various concepts and challenges related to topics such as the implementation of the European statistics Code of Practice and cooperation in the field of quality. It also encourages networking between experts from statistical offices, researchers, academics and international organisations.

This traditional biennial conference brings together experts from all over the world, and has become a key event in the calendar of the European Statistical System.

We expect that our collaboration, an example of best international principles and practices, will significantly contribute to the improvement in the quality of our statistical products.

Dominik Rozkrut
President of Statistics Poland

Mariana Kotzeva
Director-General of Eurostat

Content

General information 3

Dates and Venue	3
Registration and Information Desk	3
Slide Room	3
Conference Secretariat	4
Internet Connection	4
Social Events	4

Floor plan 5

Floor 0	5
Floor 1	6
Floor 2	7
Floor 3	8

Programme at glance 9

Programme 14

Day 1 – Wednesday, June 27, 2018	14
Day 2 – Thursday, June 28, 2018	39
Day 3 – Friday, June 29, 2018	58

General information

Dates and Venue

Training courses:	26 June 2018
Q2018 Conference:	27–29 June 2018
Venue:	ICE Kraków Congress Centre
Address:	17 Marii Konopnickiej Street, 30-302 Kraków

Registration and Information Desk

The Registration and Information Desk is located on the venue's ground floor.

Office hours:	27 June:	8:00–20:00
	28 June:	8:00–18:00
	29 June:	8:00–15:00

Slide Room

The Slide Room is located on the venue's ground floor. Each speaker and chairman can use technical support and check presentations or upload a possible newest version of presentation prior to two hours ahead of their session.

Office hours:	27 June:	8:00–20:00
	28 June:	8:00–18:00
	29 June:	8:00–15:00

Conference Secretariat

The Conference Secretariat is located on the venue's ground floor.

Office hours: 27 June: 8:00–20:00
 28 June: 8:00–18:00
 29 June: 8:00–15:00

Internet Connection

Free Wi-Fi access for mobile devices is available at ICE Kraków Congress Centre.

Social Events

Welcome Reception

Wednesday, 27 June
Time: 19:45–22:00

All registered participants and accompanying persons are invited to attend the welcome reception at the conference venue ICE Kraków Congress Centre.

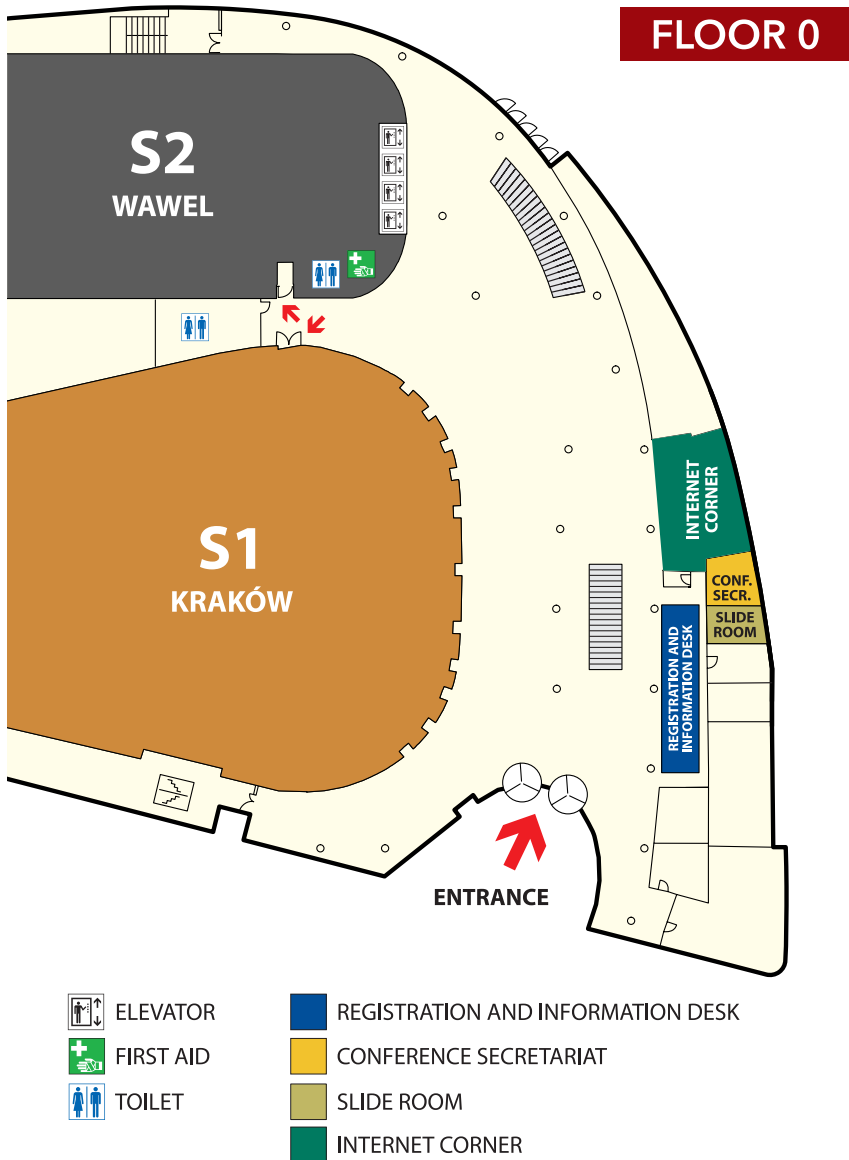
Official dinner

Thursday, 28 June
Time: 20:30–23:00

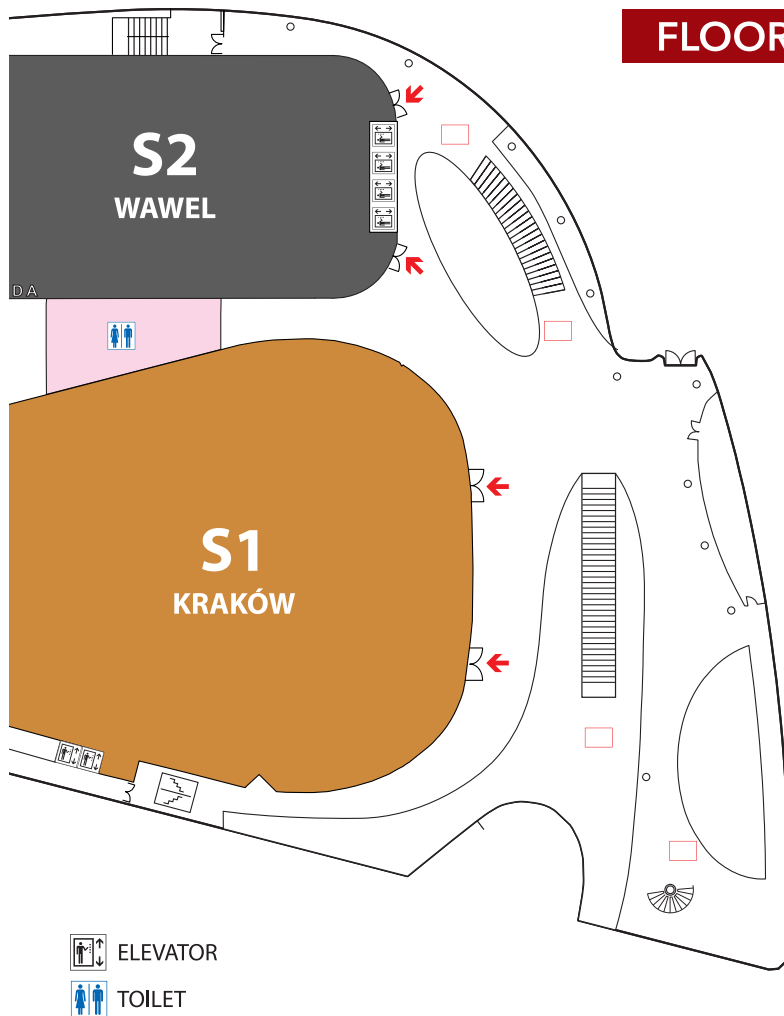
All delegates, guests and accompanying persons are welcome to attend the official conference dinner in the Stara Zajezdnia by DeSilva Restaurant, in the Kazimierz District in Kraków (address: 12 Św. Wawrzyńca Street).

Please, do not forget to take your name badge with you.

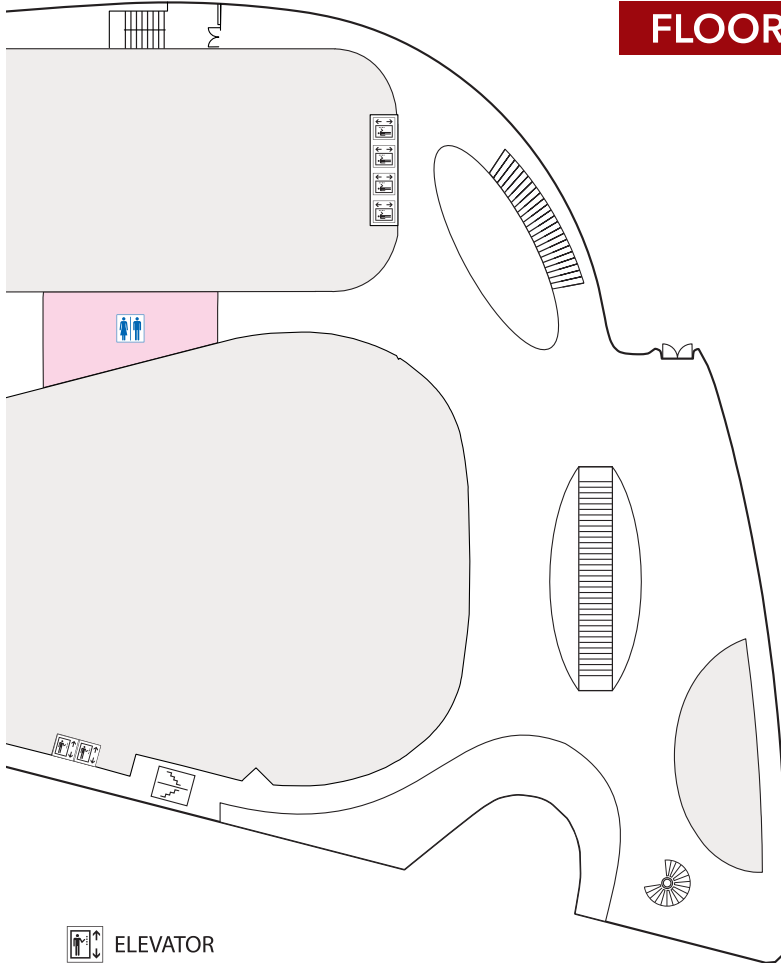
Floor plan



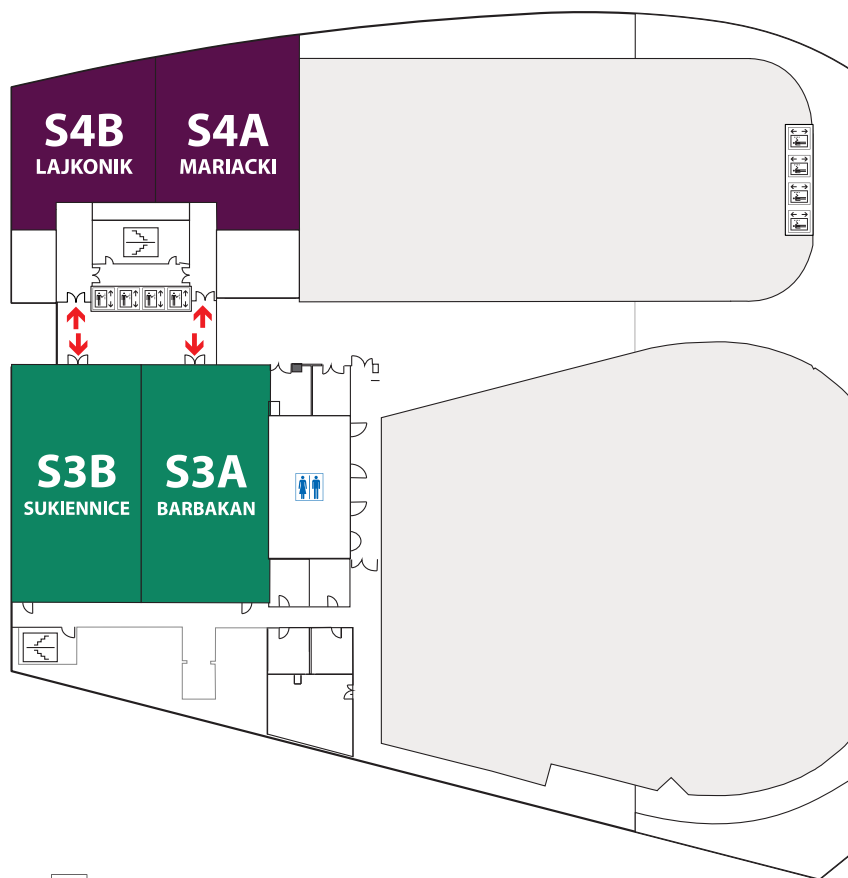
FLOOR 1



FLOOR 2



FLOOR 3



 **ELEVATOR**

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Programme at glance

Day 1 – Wednesday, June 27, 2018

S2 WAWEL	S3A BARBAKAN	S3B SUKIENNICE	S4A MARIACKI	S4B LAJKONIK
Registration 08:00–08:50				
Opening Plenary Session 09:00–11:00 Plenary room S1 KRAKÓW				
Coffee Break 11:00–11:30				
Session 1 11:30–13:00 Quality management and model implementation I	Special Session 36 11:30–13:00 Quality assurance of statistics underlying the Macroeconomic Imbalance Procedure (MIP)	Session 17 11:30–13:00 Quality challenges for censuses	Session 26 11:30–13:00 Innovation in data collection I	Session 11 11:30–13:00 Quality of multi-source statistics
Lunch 13:00–14:30				
	Speed Talk Session 1 13:15–14:00 Quality management and frameworks, quality assurance, costs	Speed Talk Session 3 13:15–14:00 Use of administrative data sources, data integration	Speed Talk Session 4 13:15–14:00 Quality in statistical domains	Speed Talk Session 5 13:15–14:00 Human resources in a changing statistical environment; communicating quality of official statistics



2018

European Conference
on Quality in Official Statistics

S2 WAWEL	S3A BARBAKAN	S3B SUKIENNICE	S4A MARIACKI	S4B LAJKONIK
Special Session 39 14:30–16:00 The revised European statistics Code of Practice – challenges and opportunities	Session 13 14:30–16:00 Collaboration with the scientific community, communication with users	Session 14 14:30–16:00 Visualisation and storytelling	Session 27 14:30–16:00 Innovation in data collection II	Session 12 14:30–16:00 Promoting the value of official statistics
Coffee Break 16:00–17:00				
Poster Session 1 16:15–17:00 Hall				
Session 2 17:00–18:30 Quality management and model implementation II	Session 4 17:00–18:30 Quality measurement and reporting I	Special Session 33 17:00–18:30 Communication quality and engaging with users	Session 22 17:00–18:30 Quality of flash estimates	Session 31 17:00–18:30 Statistical disclosure control and micro data exchange
	Speed Talk Session 2 18:45–19:30 Quality measurement, assessment, reporting, metadata	Speed Talk Session 7 18:45–19:30 Innovation and quality improvement in statistical production	Speed Talk Session 8 18:45–19:30 Quality of multi-sources statistics	Speed Talk Session 6 18:45–19:30 Quality & innovative sources and methods in statistics
Welcome Reception 19:45–22:00				



Day 2 – Thursday, June 28, 2018

S2 WAWEL	S3A BARBAKAN	S3B SUKIENNICZ	S4A MARIACKI	S4B LAJKONIK
Session 8 09:00–10:30 Human resources and quality culture	Session 5 09:00–10:30 Quality measurement and reporting II	Session 3 09:00–10:30 Quality management and model implementation III	Special Session 35 09:00–10:30 Institutional framework and implementation of quality management systems in the enlargement and the European Neighbourhood Policy (ENP) countries	Session 15 09:00–10:30 Statistical education and literacy
Coffee Break 10:30–11:30				
Poster Session 2 10:45–11:30 Hall				
Session 18 11:30–13:00 Labor market statistics-national experiences	Session 7 11:30–13:00 Effective partnerships for quality improvements	Session 20 11:30–13:00 Quality in the future-thinking forward	Session 25 11:30–13:00 Data integration at work	Special Session 40 11:30–13:00 Better localisation, better quality- the geospatial dimension of quality in statistics
Lunch 13:00–14:30				

S2 WAWEL	S3A BARBAKAN	S3B SUKIENNICE	S4A MARIACKI	S4B LAJKONIK
	Speed Talk Session 9 13:15–14:00 Quality of statistical production processes	Speed Talk Session 10 13:15–14:00 Estimation and calibration		
Special Session 34 14:30–16:00 Improving the quality of multi-mode data collection. The European MIMOD project	Session 6 14:30–16:00 Coordination of NSS, ESS and beyond	Session 23 14:30–16:00 Approaches for multi-source statistics	Session 30 14:30–16:00 Quality of statistical production processes	Session 9 14:30–16:00 Use of geospatial information to increase quality
Coffee Break 16:00–16:30				
Plenary Session 16:30–17:30 Plenary room S1 KRAKÓW				
Conference Dinner 20:30–23:00				



Day 3 – Friday, June 29, 2018

S2 WAWEL	S3A BARBAKAN	S3B SUKIENNICIE	S4A MARIACKI	S4B LAJKONIK
Session 16 08:30–10:00 Measuring and communicating quality	Special Session 38 08:30–10:00 The Statistics Code of Practice for the European Neighbourhood Policy (ENP) South countries and its implementation-examples and practice	Session 19 08:30–10:00 Quality standards for statistical domains	Session 28 08:30–10:00 Data collection, metadata	Special Session 32 08:30–10:00 Addressing quality in the context of big data – the ESSnet contribution
Coffee Break 10:00–10:30				
Session 10 10:30–12:00 Quality as a multi-dimensional concept	Session 21 10:30–12:00 Quality indicators	Special Session 37 10:30–12:00 Quality of multi-source data	Session 24 10:30–12:00 Data integration methods and architectures	Session 29 10:30–12:00 Estimation methods to improve quality
Closing Plenary Session 12:15–13:45 Plenary room S1 KRAKÓW				
Lunch 13:45–14:45				

Programme

Day 1 – Wednesday, June 27, 2018

Opening Plenary Session

Official opening of the Conference and welcoming participants

Time: 09:00–11:00

Room: S1 KRAKÓW

Welcome Address:

Dominik Rozkrut, President of Statistics Poland

Mariana Kotzeva, Director-General of Eurostat

Keynote Speech: Konrad Pesendorfer, Director General, Statistics Austria

The award ceremony of the European Statistics Competition (ESC)

Session 1

Quality management and model implementation I

Time: 11:30–13:00

Room: S2 WAWEL

Chair: Mária Dologová

Speeches:

Quality management system in the Agency for statistics of Bosnia and Herzegovina – implementation of CAF model, experiences and future challenges; Fahir Kanlic, Agency for Statistics of Bosnia and Herzegovina

Almost there!; Douwe Kuurstra, Statistics Netherlands

On the Way to Integrated Quality and Risk Management in a Statistical Office; Jolanta Minkevica, Central Statistical Bureau of Latvia

Statistical Process description using GSBPM as a reference – Challenges in a process changing environment; Maria João Zilhão, Statistics Portugal

Documentation System STATDOK – a cornerstone for efficient management of statistical surveys; Petra Blažič, Statistical Office of the Republic of Slovenia

Special Session 36

Quality assurance of statistics underlying the Macroeconomic Imbalance Procedure (MIP)

Time: 11:30–13:00

Room: S3A BARBAKAN

Chair: Silke Stapel-Weber

Speeches:

The importance of high quality statistics for the MIP; Vitor Martins, DG ECFIN

Ensuring quality of Macroeconomic Imbalance Procedure (MIP) indicators:
a multi-level cooperative approach; Silke Stapel-Weber/Caroline Willeke, Eurostat

Reconciliation International Investment Position and Financial Accounts in Belgium;
Roger De Boeck, National Bank of Belgium

Session 17

Quality challenges for censuses

Time: 11:30–13:00

Room: S3B SUKIENNICE

Chair: Claudia Junker

Speeches:

Record linkage methods for Admin Data: Portuguese Census Transformation Program; Sandra Lagarto, Statistics Portugal

Assessing quality in a register-based census; Marina Pérez Julián, INE Spain (Instituto Nacional de Estadística)

Quality as a priority of 2021 Population census?; Elżbieta Gołata, Poznań University of Economics and Business

Selected Innovation Elements in Census 2021; Ludmila Ivančíková, Statistical Office of the Slovak Republic

Session 26

Innovation in data collection I

Time: 11:30–13:00

Room: S4A MARIACKI

Chair: Marina Signore

Speeches:

Geospatial mobile data to increase the quality of usual place of residence;
Kaja Sõstra, Statistics Estonia

Mixed Mode Effects of Web and Telephone Surveys on Measuring Employment
Status; Joachim Schork, STATEC

Innovation in questionnaire design: the electronic questionnaire 'authoring' tool;
Daisy Hamer, Office for National Statistics

Transition to WEB data collection in household surveys at SURS – what we have
learned so far; Tina Steenvoorden, Statistical Office of the Republic of Slovenia

Session 11

Quality of multi-source statistics

Time: 11:30–13:00

Room: S4B LAJKONIK

Chair: Martina Hahn

Speeches:

Confidence intervals for register-based statistics?; Johannes Gussenbauer, Statistics Austria

Quality evaluation of registered-based research; Bart Bakker, Statistics Netherlands / VU University Amsterdam

Quality evaluation of statistical processes based on administrative data: a new version of the TSE approach; Roberta Varriale, Italian National Institute of Statistics (ISTAT)

Speed Talk Session 1

Quality management and frameworks, quality assurance, costs

Time: 13:15–14:00

Room: S3A BARBAKAN

Chair: Jean-Pierre Poncelet

Speeches:

A common quality framework for Swiss federal statistical offices;

Markus Baumann, Swiss Federal Statistical Office

The implementation of the OECD Recommendation on Good Statistical Practice:

Professional independence and coordination; Julien Dupont, OECD

How to turn quality into a habit in the statistical production?; Paula Silva, Banco de Portugal

A Framework for Assessing the Quality of Banking Supervision Data; Gregorio Guidi, European Central Bank

Quality Assurance and the GSBPM adoption at INEGI; Gloria Martha Rubio Soto, INEGI

Cost Accounting of Products in Turkish Official Statistical Program; Nesibe Gul; Turkish Statistical Institute

The NSO, the NSS and Beyond!; Marsha Windross, Statistical Institute of Jamaica

Improvements on the Brazilian Statistics Code of Practice; Raquel Rose Silva Correia, Brazilian Institute of Geography and Statistics, IBGE

Speed Talk Session 3

Use of administrative data sources, data integration

Time: 13:15–14:00

Room: S3B SUKIENNICE

Chair: Orietta Luzi

Speeches:

Integration of New Administrative Data Sources into Turkish Statistical System;
Bilal Kurban, Turkish Statistical Institute

Managing changes in key administrative data sources within Finnish SBR;
Kennet Härmälä, Statistics Finland

Harmonisation across the UK: Comparability of survey and administrative data in
conjunction with European influences; Daisie Hutchinson,
Office for National Statistics

Record linkage in agricultural statistics; Anders Grönvall, Swedish Board of
Agriculture

Data integration to quantify occupational injury risk wage premium;
Paweł Strawiński, University of Warsaw

Data integration – idea for reduction of complexity; Bojana Radevic, Statistical office
of Montenegro

Speed Talk Session 4

Quality in statistical domains

Time: 13:15–14:00

Room: S4A MARIACKI

Chair: Luisa Muñoz

Speeches:

Quality assessment and quality measurement for profiling in Germany;
Roland Sturm, Federal Statistical Office of Germany (Destatis)

Survey quality: Response bias in retrospective questions; Mathias Revold, Statistics
Norway

Machine Learning Techniques to Forecast Population Using Eurostat Data:
An Exploratory Study; Álvaro Gómez Losada, Joint Research Centre–European
Commission

Survey on management practices; Cristina Neves, Statistics Portugal

Improving efficiency of the sample design with sensitivity analysis of the thresholds
in the Finnish horticultural survey; Johanna Laiho-Kauranne, Natural Resources
Institute Finland

Understanding the effect of the global economy on the Balance of Payment;
Caroline Bo, Statistics Denmark

45-day flash estimates of a PEEI: the Italian job vacancy rate – methods, revisions,
cyclical properties; Annalisa Lucarelli, Italian National Institute of Statistics (ISTAT)

Speed Talk Session 5

Human resources in a changing statistical environment; communicating quality of official statistics

Time: 13:15–14:00

Room: S4B LAJKONIK

Chair: Monika Bieniek

Speeches:

Statistics regulation for an age of “post-truth”: The UK’s new Office for Statistics Regulation; Ed Humpherson, UK Office for Statistics Regulation

Statistics storytelling – A magical mirror: Israelis, Palestinians, Jordanians and Egyptians cooperate in order to improve their official Foreign Trade Statistics by using „Mirror Exercises”; Nili Karsai, Israel Central Bureau of Statistics (ICBS)

Quality quest in official statistics through international cooperation: Turkish Statistical Institute Experience; Gürdal Gedik, Turkish Statistical Institute

E-learning platform and innovative teaching methods in ISTAT; Patrizio Di Nicola, Italian National Institute of Statistics (ISTAT)

Setting up a competence system at Istat; Patrizio Di Nicola, Italian National Institute of Statistics (ISTAT)

Revision Policy and Revision Analysis in Short Term Statistics in Istat: Recent Developments in Standardization and Communication Innovations; Maria Giovanna Piras, Italian National Institute of Statistics (ISTAT)

Engaging with users to improve quality; Catherine Bremner, Office for National Statistics

Special Session 39

The revised European statistics Code of Practice – challenges and opportunities

Time: 14:30–16:00

Room: S2 WAWEL

Chair: Mariana Kotzeva

Speeches:

The revised European statistics Code of Practice – challenges and opportunities;
Eduardo Barredo Capelot, Eurostat

Innovation and modernisation in the revision of the European statistics Code of
Practice; Giorgio Alleva, Italian National Institute of Statistics (ISTAT)

Working towards building a robust implementation technology for the revised Code
of Practice; Athanasios C. Thanopoulos, Hellenic Statistical Authority (ELSTAT)

Quality guidelines as a tool for ensuring the coordination of quality in the French
statistical system; Christine Fluxa, INSEE

The Revised European Code of Practice – a new opportunity for European statistics;
Enrico Giovannini, European Statistical Governance Advisory Board

Session 13

Collaboration with the scientific community, communication with users

Time: 14:30–16:00

Room: S3A BARBAKAN

Chair: Krzysztof Jajuga

Speeches:

Communicating official statistics and its quality in blogs – a rhetorical analysis;
Ann-Marie Karlsson, Swedish Board of Agriculture

Collaboration with universities – a way to promote innovation and experimental
culture at statistical offices; Faiz Alsuhal, Statistics Finland

How widening access to researchers has improved and can continue to improve
microdata quality? From national experiences to European aspects; Kamel Gadouche,
GENES-CASD

Quality in statistics and relations to the press and media;
Carsten Zangenberg, Statistics Denmark

The dimensions of quality statistics in news. Strengths and weaknesses;
Alessandro Martinisi, Breda University of Applied Sciences

Session 14

Visualisation and storytelling

Time: 14:30–16:00

Room: S3B SUKIENNICE

Chair: Alexandru Gherasim

Speeches:

Data Visualisation: Presenting compliance burden across GSS official statistics;
Hannah Brunning, Office for National Statistics

Targeting a wider public – interactive storytelling with statistical data;
Zsolt Czinkos, Hungarian Central Statistical Office

Visual presentation of statistics on the Official Statistics Portal (OSP);
Jana Vanagė, Statistics Lithuania

Bringing Data to life with Data visualization; Neal Chen, Ministry of Manpower

Session 27

Innovation in data collection II

Time: 14:30–16:00

Room: S4A MARIACKI

Chair: Maria João Zilhão

Speeches:

Trusted Smart Statistics: A reflection on the future of (Official) Statistics;
Albrecht Wirthmann, Eurostat

Improving the quality of official statistics with geographical disaggregation and
dasymetric mapping: Two Eurostat experiments on tourism and population statistics;
Julien Gaffuri, Eurostat

Investigation of linked open data technologies for publishing georeferenced
statistical data; Mirosław Migacz, Statistics Poland

The impact of a centralized data collection approach on response rates of economic
surveys and data quality. The Istat experience; Pasquale Papa, Italian National
Institute of Statistics (ISTAT)

Mode-effects in mixed-mode surveys: the Italian experience on social surveys using
the web; Orietta Luzi, Italian National Institute of Statistics (ISTAT)

Session 12

Promoting the value of official statistics

Time: 14:30–16:00

Room: S4B LAJKONIK

Chair: Thomas Burg

Speeches:

“An outgoing expert personality” – using a brand platform as a tool to improve external communication; Karin Hansson, Statistics Sweden

Development of activities based on customer experiences and feedback; Reija Helenius, Statistics Finland

Changing how we communicate quality and methods to our users; Sarah Tucker, Office for National Statistics

PolicsLab: new data sources for a data informed policy making; Mariagrazia Zottoli, Contesti srl

Ethnicity Facts and Figures – a marriage of good statistical practice and policy relevance; Richard Laux, UK Cabinet Office

Enhancing the awareness of official statistics in Egypt: The approach to increase their value; Ayman Hathoot, Central Agency for Public Mobilization and Statistics (CAPMAS)

Poster Session 1

Time: 16:15–17:00

Room: Hall

Posters:

Procedures to ensure the quality of HICS survey data in Egypt; Mostafa Younes, Central Agency for Public Mobilization and Statistics (CAPMAS)

A method on reducing small sample bias of the obtained as a matrix product Gini Index.; Eleni Ketzaki, Aristotle University of Thessaloniki, Greece

A novel approach to detecting pattern changes in time series from Eurostat; Álvaro Gómez Losada, Joint Research Centre – European Commission

Improving the quality and relevance of the official statistics produced in the SSO of the Republic of Macedonia; Natasha Cenova, State Statistical Office

The ESA 2010 Pensions Table: an integrated view on the functioning of pension systems in Spain; Andrés García Carreira, INE Spain (Instituto Nacional de Estadística)

Session 2

Quality management and model implementation II

Time: 17:00–18:30

Room: S2 WAWEL

Chair: Claudia Junker

Speeches:

Beyond Code of Practice – New quality challenges in official statistics;
Hans Viggo Sæbø, Statistics Norway

Experiences in Developing Statistical Quality Frameworks;
Michael Colledge, Michael Colledge Statistical Consulting

Quality and Risk Management at Brazilian Institute of Geography and Statistics:
a short report of a work in progress; Ana Cristina Martins Bruno, IBGE – Brazilian
Institute of Geography and Statistics

Strategies and approaches for managing risks in the official statistics production:
ISTAT experience in the modernization programme;
Silvia Losco, Italian National Institute of Statistics (ISTAT)

Recent developments in the Generic Statistical Business Process Model: Revisions
and Quality Indicators; Marina Signore, Italian National Institute of Statistics (ISTAT)

Session 4

Quality measurement and reporting I

Time: 17:00–18:30

Room: S3A BARBAKAN

Chair: Kari Djerf

Speeches:

Quality handbook and quality principles – progress and lessons learnt;

Mirko Herzner, Federal Statistical Office of Germany (Destatis)

Quality system in a digitalised and modernised statistical system;

Grete Olsen, Statistics Norway

Quality reviews of official statistics and the role of the external stakeholders: some initiatives from the NSI of Spain; Agustín Cañada, INE Spain (Instituto Nacional de Estadística)

Assessing the quality of the geographical dimension in macro-economic statistics through mirror data; Carmen Picón-Aguilar, European Central Bank

Special Session 33

Communication quality and engaging with users

Time: 17:00–18:30

Room: S3B SUKIENNICE

Chair: Martina Hahn

Speeches:

Branding of official statistics: new evidence and recommendations; Martina Hahn, Eurostat

Engaging with users to modernise the dissemination of European statistics; Maja Islam, Eurostat

What do ONS users want from quality and methods information?; Sarah Tucker, Office for National Statistics

Users' engagement and national quality reporting at Istat; Giorgia Simeoni, Italian National Institute of Statistics (ISTAT)

Session 22

Quality of flash estimates

Time: 17:00–18:30

Room: S4A MARIACKI

Chair: Jean-Pierre Poncelet

Speeches:

Flash estimates of income distribution indicators for the European Union: results 2016, methodology and quality assessment; Cristina Lopez-Vilaplana, Eurostat
ESS-cooperation on Employment Flash Estimates; Véronique Deneuille, Eurostat
Flash estimate of the poverty rate using microsimulation: estimations based on French data; Kevin Schmitt, INSEE

Nowcasting Finnish Real Economic Activity: a Large Dimensional Approach;
Henri Luomaranta, The Research Institute of the Finnish Economy

Use of alternative data sources as flash estimates of economic indicators – abstract;
Črt Grahonja, Statistical Office of the Republic of Slovenia

Session 31

Statistical disclosure control and micro data exchange

Time: 17:00–18:30

Room: S4B LAJKONIK

Chair: Tasos Christofides

Speeches:

A new approach for Disclosure control – Random Tabular Adjustment;
Steven Thomas, Statistics Canada

Statistical Disclosure Control and Quality Reporting; Arijana Amina Ramic

Statistical confidentiality: New initiatives in the European Statistical System;
Fabian Bach, Eurostat

Data exchange between the Nordic countries – supplementing education registers by
qualifications completed in another Nordic country;
Kaija Ruotsalainen, Statistics Finland

Quality assurance in micro-data exchange – The international trade in goods
statistics as concrete example; Anne Berthomieu, Eurostat

Speed Talk Session 2

Quality measurement, assessment, reporting, metadata

Time: 18:45–19:30

Room: S3A BARBAKAN

Chair: Outi Ahti-Miettinen

Speeches:

But are those numbers correct?: Towards criteria to assess the reliability of statistics;
Simon Scott, OECD

Comparison of datasets as a method of monitoring data quality:
A conceptual framework and two applications with banking data;
Angelos Vouldis, European Central Bank

Supporting the compilation of quality reports – Improvement of guidelines,
provision of a checklist and standard texts; Irina Meinke, Federal Statistical Office of
Germany (Destatis)

Quality Reporting Improvement Depending on the Generic Statistical Business
Process Model (GSBPM): PCBS Experience; Basila Samara, Palestinian Central Bureau
of Statistics (PCBS)

Structural metadata as a key element in the management of microdata;
Ana Isabel Sánchez-Luengo Murcia, INE Spain (Instituto Nacional de Estadística)

Measuring response burden at the Swiss Federal Statistical Office;
Desislava Nedyalkova, Swiss Federal Statistical Office

Reduction of response burden by utilising extensively register data and modelling:
Cases from new EU data needs in agricultural statistics; Johanna Laiho-Kauranne,
Natural Resources Institute Finland

Speed Talk Session 7

Innovation and quality improvement in statistical production

Time: 18:45–19:30

Room: S3B SUKIENNICE

Chair: Tasos Christofides

Speeches:

Quality monitoring and improvement of innovation survey in Republic of Macedonia;
Tatjana Drangovska, State Statistical Office

A territorial model for the management of data collection processes: a case study;
Loredana De Gaetano, Italian National Institute of Statistics (ISTAT)

Login on Smartphones: A triviality?; Johannes Volk, Federal Statistical Office of
Germany (Destatis)

About the Quality of the 2013 Census of Population, Households and Dwellings in
Bosnia and Herzegovina: Statistical Results versus Political Controversies;
Edin Šabanović, Agency for Statistics of Bosnia and Herzegovina

Flash estimates and increasing data quality as a result of modern
IT-applications and job satisfaction; Sabine Schuster, Statistics Austria

Do declining response rates negatively affect sample composition?

A longitudinal analysis using data from the German General Social Survey (ALLBUS);
Michael Blohm, GESIS – Leibniz Institute for the Social Sciences

Maintaining good response rates while changing survey techniques:
the case of the Italian Quarterly Business Survey on Job Vacancies and Hours Worked;
Annalisa Lucarelli, Italian National Institute of Statistics (ISTAT)

Design and analysis of the improved Poisson and negative binomial item count
techniques; Barbara Kowalczyk, SGH Warsaw School of Economics

Speed Talk Session 8

Quality of multi-sources statistics

Time: 18:45–19:30

Room: S4A MARIACKI

Chair: Włodzimierz Okrasa

Speeches:

“Balance of Payments quality management in Poland”; Paweł Michalik; Narodowy Bank Polski

Data validation in livestock statistics; Esa Katajamäki, Natural Resources Institute Finland

Impact of estimated and administrative data on quality; Zsolt Kovari, Hungarian Central Statistical Office

Implementation of a General Statistical Business Process Model in the administrative resource; Elsa Dhuli, Institute of Statistics

Who’s telling the truth? Statistical techniques for error detection in double-sided reporting of money market transactions; Gemma Agostoni, European Central Bank

Boomerang effect of quality control on the compilation of Financial Accounts and flow of funds – the experience of Banco de Portugal;

Susana Santos, Banco de Portugal

Speed Talk Session 6

Quality & innovative sources and methods in statistics

Time: 18:45–19:30

Room: S4B LAJKONIK

Chair: Magdalena Six

Speeches:

Mobility survey on metropolitan areas—innovation on methods and procedures;
Cristina Neves, Statistics Portugal

Digital transformation as an opportunity to become more relevant; Thomas Riede;
Federal Statistical Office of Germany

Data collection quality control using paradata and geolocation;
Marcos Rodrigues Pinto, IBGE – Brazilian Institute of Geography and Statistics

Building the territorial statistical register: quality control on geocoded administrative
data; Cristina Rovira Trepà, Institut d'Estadística de Catalunya (Idescat)

Does Big Data mean Big Problems, or Bigger Opportunities?; Pedro Cunha, Statistics
Portugal

Local decisions and new guidelines of the Official Statistics. A pilot study on Early
School Leavers to explore the quality of integrated administrative data used to
support local policies; Daniela Ferrazza, Italian National Institute of Statistics (ISTAT)

EBALUA: building a new application to assist quality assessment of statistics in
EUSTAT; Enrique Moran Alaez, Basque Statistics Institute – EUSTAT

Improving official statistics with credit and debit card data;
María Rosalía Vicente, University of Oviedo

Day 2 – Thursday, June 28, 2018

Session 8

Human resources and quality culture

Time: 09:00–10:30

Room: S2 WAWEL

Chair: Anna Borowska

Speeches:

Capabilities – Improving the quality of statistical capacity development; Steven Vale, UNECE

A matrix model for human resource organization to improve effectiveness and efficiency in official statistics – ISTAT; Silvia Losco, Italian National Institute of Statistics (ISTAT)

Sensibilization on quality at the training center of Insee;
Xavier Helfenstein, INSEE

Matching pairs, agile and pin the tail on the donkey – making quality management relevant to non-statistical staff; Olivia Wayman, Office for National Statistics

The new quality strategy in the modernised Italian National Statistical Institute;
Giovanna Brancato, Italian National Institute of Statistics (ISTAT)

Future – Engage – Deliver: refreshing the UK Code of Practice for Statistics;
Ed Humpherson, UK Office for Statistics Regulation

Session 5

Quality measurement and reporting II

Time: 09:00–10:30

Room: S3A BARBAKAN

Chair: Alexandru Gherasim

Speeches:

Quality reporting in the ESS – State of play and next steps; Javier Alcantara Ortega, Eurostat

Raising awareness and continuously improving quality in Statistics Denmark; Karin Blix, Statistics Denmark

Coherence – Accuracy – Flexibility; Carsten Schumann, Federal Statistical Office of Germany (Destatis)

A modest attempt at measuring and communicating about quality; Laurie Reedman, Statistics Canada

Fulfilling the ES Code of Practice and assessments of quality in official statistics; Heather Bergdahl, Statistics Sweden

Session 3

Quality management and model implementation III

Time: 09:00–10:30

Room: S3B SUKIENNICE

Chair: Jean-Pierre Poncelet

Speeches:

The Swiss Federal Statistical Office quality, process and risk management system;
Milos Schaer, Swiss Federal Statistical Office

GSBPM and ISO as Quality management system tools: Azerbaijan experience;
Yusif Yusifov, State Statistical Committee of the Republic of Azerbaijan

Quality management of methodology for official statistics; Peter Struijs, Statistics
Netherlands

Innovation and quality culture in INSTAT; Delina Ibrahimaj, Institute of Statistics
Albania

Integrating process documentation and quality management; Silvan Zammit,
National Statistics Office

Special Session 35

Institutional framework and implementation of quality management systems in the enlargement and the European Neighbourhood Policy (ENP) countries

Time: 09:00–10:30

Room: S4A MARIACKI

Chair: Claudia Junker

Speeches:

Key elements of a Quality Management System: Example of Georgia (institutional set-up of a quality framework, quality culture); Levan Tserediani, National Statistics Office of Georgia

Implementation of a quality management system in the NSI of Serbia – success stories and future plans; Nataša Cvetković, Statistical Office of the Republic of Serbia
Quality management in the statistical office with a view to implement the CoP; Daniel Roash, Israel Central Bureau of Statistics (ICBS)

Challenges of applying the model of total quality management in the Statistical Office of Montenegro; Jelena Markovic, Statistical Office of Montenegro

Key elements of a quality management system in the statistical office of Ukraine; Anna Rozumna, State Statistics Service of Ukraine

Session 15

Statistical education and literacy

Time: 09:00–10:30

Room: S4B LAJKONIK

Chair: Tasos Christofides

Speeches:

STAT WARS – May the force be with you! – Statistical competition for students;
Mária Jónyer, Hungarian Central Statistical Office

Promoting Official Statistics through Statistical Literacy Products;
Maria J. Vinuesa, INE Spain (Instituto Nacional de Estadística)

Experiencing Multidisciplinarity in a Master in Official Statistics;
Javier Montero, Complutense University

Improving labour market statistical literacy for organisations and individual users;
Eugenia Goh, Manpower Research and Statistics Department, Ministry of Manpower

Statistical literacy and education in the State Statistical Office of Macedonia;
Mira Todorova, State Statistical Office

Poster Session 2

Time: 10:45–11:30

Room: Hall

Posters:

Compilation of the House Price Index in Cyprus; Athanasia Petsa,
Statistical Service of Cyprus

The importance of cognitive interviewing in quality official statistics:

The case of smoking habits; Darja Lavtar, National Institute of Public Health

Are we on the same page? Ensuring the synchronisation of data across multiple
platforms; Chelsea Murray, European Central Bank

Impact of applying quality standards on statistical products; Haidy Mahmoud,
Central Agency for Public Mobilization and Statistics (CAPMAS)

The Istat platform prototype for the documentation of administrative data used as
input of the official statistics; Grazia Di Bella, Italian National Institute of Statistics
(ISTAT)

Bringing statistics to users and users to statistics; Jose Jabier Zurikarai, EUSTAT

Session 18

Labor market statistics – national experiences

Time: 11:30–13:00

Room: S2 WAWEL

Chair: Agustín Cañada

Speeches:

The „EUROPA 2020“ LFS indicators on regional level in Poland. How to improve the indicators precision without the increase of the LFS sample?; Hanna Strzelecka, Statistics Poland

Quality Improvements using indicators, business process improvement and change management; Fiona O’Riordan, Central Statistics Office, Ireland

Analysis on nonresponse bias for the Swedish Labour Force Surveys (LFS); Fredrik Olsson, Statistics Sweden

Coherence between surveys and based-register data in labour market statistics; Sara Carrascosa, Nacional Statistical Office INE (Spain)

On the exciting path to add a mode – redesigning the Austrian Microcensus Housing Survey into a multi-mode questionnaire; Vlasta Zucha, Statistics Austria

Session 7

Effective partnerships for quality improvements

Time: 11:30–13:00

Room: S3A BARBAKAN

Chair: Claudia Junker

Speeches:

Legal aspects related to enhance the cooperation with data holders:

The case of Spain; Yolanda Gómez Menchón, INE Spain (Instituto Nacional de Estadística)

Ethical implications of using Big Data for Official Statistics; Albrecht Wirthmann, Eurostat

Innovation in collection: strategies to improve and maintain the quality of administrative data; Hélène Bérard, Statistics Canada

Access to Big Data for statistical purposes; Natalie Rosenski, Federal Statistical Office of Germany (Destatis)

Big Data Strategies for Official Statistics; Peter Struijs, Statistics Netherlands

Session 20

Quality in the future – thinking forward

Time: 11:30–13:00

Room: S3B SUKIENNICE

Chair: Krzysztof Jajuga

Speeches:

Quality of official statistics in micro and small economies in globalized world;
Józef Oleński, Lazarski University

The future role of international organisations: enhancement of relevance and quality of official statistics; Cristina Pereira de Sá, Eurostat

Conceptualising quality for big data; Giovanna Brancato, Italian National Institute of Statistics (ISTAT)

A knowledge-based approach to the statistical production process;
Stefano Menghinello, Italian National Institute of Statistics (ISTAT)

“Show me your code, and then I will trust your figures”: Towards software-agnostic open algorithms in statistical production; Jacopo Grazzini, Eurostat

Session 25

Data integration at work

Time: 11:30–13:00

Room: S4A MARIACKI

Chair: Jean-Pierre Poncelet

Speeches:

The use of loyalty card transaction data from retailers in Household Budget Statistics: an exploration; Dag F Gravem, Statistics Norway

Smart business statistics: how to integrate technology and official statistics?; Sofie De Broe, Statistics Netherlands

Utilizing Non-Probability Survey Data to Improve the Quality of Probability Survey Data for Small Samples; Arkadiusz Wisniowski, University of Manchester

Design and evaluation of an editing and imputation strategy for micro-data from integrated administrative sources: the Italian case of the ARCHIMEDE Project; Romina Filippini, Italian National Institute of Statistics (ISTAT)

Reconciling Estimates of Demographic Stocks and Flows through Balancing Methods; Diego Zardetto, Italian National Institute of Statistics (ISTAT)

Special Session 40

Better localisation, better quality – the geospatial dimension of quality in statistics

Time: 11:30–13:00

Room: S4B LAJKONIK

Chair: Janusz Dygaszewicz/Julien Gaffuri

Speeches:

Integration of GEOSPATIAL DATA within the statistical production process—GEOINQ;
Mário Lucas, Statistics Portugal

Improving the quality with spatial sampling; Vincent Loonis, INSEE

Making census statistics more relevant – towards geo-enabled statistics;
Adam Wroński, Eurostat

Towards better quality of statistical geospatial data production – harmonization of
statistical and geodetic divisions in the context of the 10 Level Model;
Anna Sławińska, Statistics Poland

Accessibility statistics and data integration: from remoteness and public transport to
cultural accessibility; Pasi Piela, Statistics Finland

Speed Talk Session 9

Quality of statistical production processes

Time: 13:15–14:00

Room: S3A BARBAKAN

Chair: Cristina Neves

Speeches:

Calendar effects in a monthly-based CATI survey; Antonio J. Rueda Clausell, INE Spain (Instituto Nacional de Estadística)

The economy has changed, the official statistics also change: the new business statistics system; Stefano Menghinello, Italian National Institute of Statistics (ISTAT)

Improved quality in statistical production by using standard processes in phases: design, build and collect; Biljana Ristevska Karajovanovikj, State Statistical Office of the Republic of Macedonia (SSO)

Towards a standard production process in the Spanish Industrial Turnover Indices; Elena Rosa-Perez, INE Spain (Instituto Nacional de Estadística)

Working time, underemployment and overemployment: two different data sources with contradictory results; Martina Rengers, Federal Statistical Office of Germany (Destatis)

Electronic data collection in the Hungarian agricultural statistics; Péter Tóth, Hungarian Central Statistical Office

Speed Talk Session 10

Estimation and calibration

Time: 13:15–14:00

Room: S3B SUKIENNICE

Chair: Krzysztof Jajuga

Speeches:

Effects of the influence of calibration procedures on reliability of indicators estimated by the state household sample surveys in Ukraine; Volodymyr Sarioglo, Ptoukha Institute for Demography and Social Studies

A reweighting method to adjust for enterprise changes: the Italian quarterly job vacancy rate and hours worked estimates; Annalisa Lucarelli, Italian National Institute of Statistics (ISTAT)

Calibration as a tool to enhance accuracy and coherence in tourism statistics; Carlos Fullea Carrera, INE Spain (Instituto Nacional de Estadística)

Prediction Error Estimation of the Survey-Weighted Least Squares Model under Complex Sampling; Retha Luus, University of the Western Cape

The R-Package 'surveysd' – Estimating Standard Errors in Complex Surveys with Rotating Panel Design; Johannes Gussenbauer, Statistics Austria

Using administrative registers to improve sampling of EU-SILC in Austria; Thomas Glaser, Statistics Austria

The Bundesbank's Research Data and Service Center (RDSC): Gateway to Treasures of Micro-Data on the German Financial System; Rafael Beier, Deutsche Bundesbank

Improving Monthly Estimates of Job Vacancies Survey With Statistical Model; Daniel Roash, Central Bureau of Statistics Israel

Special Session 34

Improving the quality of multi-mode data collection.

The European MIMOD project

Time: 14:30–16:00

Room: S2 WAWEL

Chair: Marina Signore

Speeches:

The MIMOD Project: an overview; Marina Signore, Italian National Institute of Statistics (ISTAT)

Dealing with mode effects; Orietta Luzi, Italian National Institute of Statistics (ISTAT)

Adapting ESS survey questionnaires to mixed-mode data collection;

Dag F Gravem, Statistics Norway

ESS surveys and mobile device data collection; Bart Bakker, Statistics Netherlands / VU University Amsterdam

Session 6

Coordination of NSS, ESS and beyond

Time: 14:30–16:00

Room: S3A BARBAKAN

Chair: Mária Dologová

Speeches:

Results of intensive development actions in official statistics coordination – a status report from Hungary; József Kárpáti, Hungarian Central Statistical Office, HCSO

Improving the quality of national statistical systems; Vincenzo Lo Moro, Italian National Institute of Statistics (ISTAT)

Official statistics in Denmark; Kim Voldby Pedersen, Statistics Denmark

Coordination of National Statistical System – Experience from the Hellenic Statistical System (ELSS); Christina Pierrakou, Stamatios Theocharis, Hellenic Statistical Authority (ELSTAT)

Common Quality Reporting System for Official Statistics of Finland; Outi Ahti-Miettinen, Statistics Finland

Session 23

Approaches for multi-source statistics

Time: 14:30–16:00

Room: S3B SUKIENNICE

Chair: Mátyás Mészáros

Speeches:

Enhancing the quality of National Accounts in the estimation of proceeds from illegal markets; Antonella Baldassarini, Italian National Institute of Statistics (ISTAT)

Integration of inconsistent data sources using Hidden Markov Models;

Dimitris Pavlopoulos, Vrije Universiteit Amsterdam

On the Experimental Usage of Ontology-based data access for the Italian Integrated System of Statistical Registers: Quality Issues; Domenico Fabio Savo, Italian National Institute of Statistics (ISTAT)

Data quality and data integration; Raffaella Traverso, European Central Bank

Session 30

Quality of statistical production processes

Time: 14:30–16:00

Room: S4A MARIACKI

Chair: Maria João Zilhão

Speeches:

Global standards and national procedures – What can the ESS learn from the Programme for the International Assessment of Adult Competencies (PIAAC);
Markus Bönisch, Statistics Austria

Standardization of Business Statistics Processes in Istat;
Monica Scannapieco, Italian National Institute of Statistics (ISTAT)

Calif – the interactive Shiny web application for calibration of weights of statistical surveys; Boris Frankovič, Statistical Office of the Slovak Republic

Innovation to improve data quality: the case of Italian Household Budget Survey;
Nicoletta Pannuzi, Italian National Institute of Statistics (ISTAT)

Redesign of the Statistical Information System: Czech experience;
Marek Rojicek, Czech Statistical Office

Session 9

Use of geospatial information to increase quality

Time: 14:30–16:00

Room: S4B LAJKONIK

Chair: Janusz Dygaszewicz

Speeches:

How geospatial information adds value to existing sub-national data and territorial typologies; Valeriya Angelova Tosheva, Eurostat

Communication as a Quality Factor in Multi-source Spatial Data Integration Process; Włodzimierz Okrasa, Statistics Poland/University of Cardinal Stefan Wyszyński in Warsaw

GEOSTAT 3 – A European Statistical Geospatial Framework; Karin Hedeklint, Statistics Sweden

Plenary Session

Time: 16:30–17:30

Room: S1 KRAKÓW

Keynote Speech: Jennifer Park, UNECE Statistical Division

Day 3 – Friday, June 29, 2018

Session 16

Measuring and communicating quality

Time: 08:30–10:00

Room: S2 WAWEL

Chair: Marina Signore

Speeches:

A Future Focused Approach to National Statistical Quality Reviews in the UK; Gentiana Roarson, Office for National Statistics

An empirical study of the effect of high, low or moderate nonresponse rate on the quality of survey estimates; Øyvind Kleven, Statistics Norway

Measuring, reporting and communicating quality of National Accounts statistics (ESA 2010) in an integrated way with data production; Christos Liouris, Eurostat

Quality Management for Official Statistics: Some Lessons Learned after Seven Years of ASPIRE; Paul Biemer, RTI International and University of North Carolina at Chapel Hill

Automatically Generated Quality Control Tables and Quality Improvement Programs; Justin Nguyen, United States Bureau of the Census

Special Session 38

The Statistics Code of Practice for the European Neighbourhood Policy (ENP) South countries and its implementation – examples and practice

Time: 08:30–10:00

Room: S3A BARBAKAN

Chair: Tarik Bourezgue

Speeches:

Design of a roadmap for implementing the CoP for the ENP south countries at ONS-Algeria; Tarik Bourezgue, Office National des Statistiques

Implementation of the Tunisian Statistical Charter and linkage with the Statistics Code of Practice for the European Neighbourhood South countries; Mohsen Hajjej, National Institute of Statistics of Tunisia

Implementation of the Statistics Code of Practice in Jordan (Good practices and vision); Duraid Shawawreh, The Department of Statistics in Jordan

Importance of Implementing EFQM Model for Official Statics Institutes: PCBS Experience; Daliah Shahin, Palestinian Central Bureau of Statistics (PCBS)

Strengthening of data quality with limited resources: the case of the statistical database of the High Commission for Planning, Morocco; Mohamed Salimi, High Commission for Planning

Session 19

Quality standards for statistical domains

Time: 08:30–10:00

Room: S3B SUKIENNICE

Chair: Alexandru Gherasim

Speeches:

Quality of ICT skills indicators; Maja Rynko, Warsaw School of Economics

The method of harmonised Labour Market Areas in Europe;

Valeriya Angelova-Tosheva, Eurostat

Improving the quality of Business Statistics through Profiling;

Ioannis Xirouchakis, Eurostat

Profiling: a new way to increase the quality of statistics on research and

development; Thomas Balcone, Ministry of Higher Education,

Research and Innovation

European structural farm statistics – new quality rating system;

Denisa Florescu, Eurostat

Session 28

Data collection, metadata

Time: 08:30–10:00

Room: S4A MARIACKI

Chair: Thomas Burg

Speeches:

The French statistical metadata repository, RMÉS: managing metadata throughout the whole statistical process; Marie Hélène Kérouanton, INSEE

Development of a statistical product portfolio tool; Rasmus Anker Kristiansen, Statistics Denmark

Labour market characteristics of European citizens living in another European country than their own (emigration perspective); Georgiana Ivan, Eurostat

Special Session 32

Addressing quality in the context of big data – the ESSnet contribution

Time: 08:30–10:00

Room: S4B LAJKONIK

Chair: Albrecht Wirthmann

Speeches:

Quality evaluation of experimental statistics produced by making use of Big Data;
Giulio Barcaroli, Italian National Institute of Statistics (ISTAT)

AIS: Defining a ship's journey and sea traffic analysis; Christina Pierrakou, Hellenic Statistical Authority (ELSTAT)

Big Data quality issues regarding multi-domain statistical data combining – a survey and case studies; Jacek Maślankowski, University of Gdansk

Coverage of AIS data: comparison of privately held to national datasets – Poland and Hellenic experiences; Michał Bis – Statistics Poland, Anna Bilka – Statistical Office in Szczecin, Eleni Bisioti – Hellenic Statistical Authority (ELSTAT)

Estimation of population counts combining official data and aggregated mobile phone data; David Salgado, Romanian National Institute of Statistics (INSSE)

Session 10

Quality as a multi-dimensional concept

Time: 10:30–12:00

Room: S2 WAWEL

Chair: Monika Bieniek

Speeches:

Quick statistics – how to deal with quality?; Pertti Taskinen, Statistics Finland

The impact of the consistency debate on increased accuracy and coordination within the national accounts and between the national accounts and balance of payments statistics of the EU; Robert Obrzut, Eurostat

Measuring the quality of commercial and big data sources for official statistics; Frantisek Hajnovic, Office for National Statistics

Further Challenges in Quality Management of Statistics at the Bank of Japan; Kuniko Moriya, Bank of Japan

Cognitive interviewing in the Disability Pilot Survey in Spain; Rogelio Pujol Rodriguez, INE Spain – Instituto Nacional de Estadística

Session 21

Quality indicators

Time: 10:30–12:00

Room: S3A BARBAKAN

Chair: Agustín Cañada

Speeches:

Quality indicators of the EuroGroups Register; Zsolt Völtinger, Eurostat

Assessing the uncertainties of statistical outputs: the case of purchasing power parities; Laurent Olislager, Eurostat

How much has national information changed in the Eurogroups Register? Some quality indicators in the scope of the ESBR Project; Luis Esteban Barbado Miguel, Nacional Statistical Office INE (Spain)

Building Sustainable International Statistical Products: Policies, Technology, and Quality Returns from the World Development Indicators; Biokou Mathieu Djayeola, World Bank

Special Session 37

Quality of multi-source data

Time: 10:30–12:00

Room: S3B SUKIENNICE

Chair: Sorina Vaju

Speeches:

Quality Guidelines for Multisource Statistics; Giovanna Brancato, Italian National Institute of Statistics (ISTAT)

Administrative data and quality, guidelines towards better quality of administrative data; Mátyás Mészáros, Eurostat

Quality Measures and Indicators for Multisource Statistics; Ton de Waal, Statistics Netherlands

Quality Guidelines for Frames of Social Statistics; Thomas Burg, Statistics Austria

Session 24

Data integration methods and architectures

Time: 10:30–12:00

Room: S4A MARIACKI

Chair: Włodzimierz Okrasa

Speeches:

Improvement of the capture-recapture model to estimate under coverage of administrative data sources; Daan Zult, Statistics Netherlands

Change is the law of life. Prepare your data warehouse for a Big Future, by including Big Data; Antonio Laureti Palma, Italian National Institute of Statistics (ISTAT)

Combining information from different sources to estimate the annual working hours of part-time workers; Sandra Barragán Andrés, INE Spain (Instituto Nacional de Estadística)

Data Architecture for Statistics Production – Logical Data Repositories; Tuukka Saranpää, Statistics Finland

Modernizing Data Integration Systems at Istat; Piero Demetrio Falorsi, Italian National Institute of Statistics (ISTAT)

Session 29

Estimation methods to improve quality

Time: 10:30–12:00

Room: S4B LAJKONIK

Chair: Kari Djerf

Speeches:

Register-based estimation of total dwellings and households; Johan Fosen, Statistics Norway

Applications of multiple tests to improve the quality of multi-source data sets.; Dariusz Parys, University of Lodz

Exploiting Auxiliary Data: Random forest regression estimator; Luis Sanguiao, Spanish NSI (Instituto Nacional de Estadística)

Assessing and adjusting bias deriving from mode effect in mixed mode social surveys; Claudia De Vitiis, Italian National Institute of Statistics (ISTAT)

Estimation of the standard error for net changes with the EU Labour Force Survey – How can users independently and appropriately calculate standard errors and confidence intervals?; Stefan Zins, GESIS – Leibniz Institute for the Social Sciences

Adjusting the gender pay gap using the Structure of Earnings Survey data; Piotr Ronkowski, Eurostat

Closing Plenary Session

Time: 12:15–13:45

Room: S1 KRAKÓW

Panel discussion

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