



nsm2019

Nordic Statistical Meeting

Monday, 26 August, 2019 / Lunch at 12.00–13.00*

*for short course
participants only

AT GRAND MARINA / 11.00–13.00

REGISTRATION AND WELCOME

AT GRAND MARINA / 16.30–18.30

REGISTRATION AND WELCOME

13.00–16.30 AT GRAND MARINA

SHORT COURSES

(Requires separate registration)

Machine Learning – Nordia
GIS – Geographical Information Systems – Press Room
Video Communication – Baltica
Nowcasting – Nautica

16.30–18.30 AT NAUTICA

SMALL OFFICES SEMINAR

19.00–20.30 AT HELSINKI CITY HALL

COCKTAIL RECEPTION
for all NSM2019 participants

A warm welcome to the Nordic Statistical Meeting!

The theme of the conference is Facts for Future. Our statistical community must promote fact-based reasoning, debate and decision-making. Reliable statistical information and indicators can guide individuals and societies in building a better and sustainable world.

Our program is full of these relevant topics and we are excited to have high-level professionals as speakers. Academy professor Samuel Kaski will hold a keynote about AI and Machine Learning in Official Statistics, and Government CIO of Estonia Siim Sikkut about Digitalisation in the Public Sector Government. President Tarja Halonen will share her experience of the Sustainable Development Goals and the importance of measuring them. During parallel sessions we dig deeper into themes like new statistical methods and tools, data quality and the changing roles of National Statistical Institutions.

I truly hope you enjoy the conference and program, participate actively and leave Helsinki with new ideas, memorable experiences and a broader network.

Marjo Bruun
Director General of Statistics Finland

Tuesday, 27 August, 2019 / Lunch at 12.00–13.00

PLENARY AT EUROPAEA / 9.15–12.00

OPENING WORDS

Annika Damström, Moderator
Marjo Bruun, Director General of Statistics Finland

KEYNOTE – AI, MACHINE LEARNING AND OFFICIAL STATISTICS

Academy professor **Samuel Kaski**, Aalto University

PANEL DISCUSSION – DATA, STATISTICAL LITERACY AND FACTS

Executive advisor **Tuuli Kaskinen**, Demos Helsinki
Data journalist **Esa Mäkinen**, Helsingin Sanomat
University lecturer **Kimmo Vehkalahti**, University of Helsinki

FENNIA / 13.00–13.50

METHODS TO IMPROVE QUALITY OF QUESTIONNAIRE-BASED DATA COLLECTION

Vesa Virtanen & Juhani Saari (*Statistics Finland*)

Surveys are like a box of chocolates – you never know what you’re going to get? Assessing the impact of a digital chocolate voucher on the Finnish ISSP2018 response rate and data quality.

Øyvind Bruer-Skarsbø & Kristin Halland (*SSB*)

Could “fresh” register data improve answers in surveys?

Coen Hendriks, Per Ola Haugen, Dag Gravem & Katharina Rossbach (*SSB*)

Evidence-based quality improvement in questionnaire-based data collection.

EUROPAEA / 13.00–13.50

IMPROVING DIRECT COMMUNICATION WITH USERS

Katri Haverinen (*Statistics Finland*)

Automatization of Customer Service:
Could a Chatbot Answer Statistical Questions?

Simen Sætre, Evy Eek, & Aud Kari Joramo Holt (*SSB*)

Experiences from active dialogue with users
(or collaborating with external actors).

Minja Tea Dzamarija (*SSB*)

Connecting data producers and policymakers – the role of the Coordinator of migration related statistics and analyses at Statistics Norway (*SN*).

FENNIA / 14.00–14.50

MIXED-MODE SURVEYS

Laura Sauli (*Statistics Finland*)

The key to good quality mixed mode surveys: cooperation, hard work and patience.

Kari-Anne Lund (*SSB*)

Forward-looking or backward-looking? A descriptive-analytical case study of web survey mode embracement.

Dag F. Gravem (*SSB*)

Mode-Mixers of the North Unite? Trends in Nordic and European data collection for social surveys.

LUNCH ROUNDTABLE DISCUSSION / 12.00–13.00

7 lessons in 3 years. Dissemination in social media.
Hosted by **Lene Ødegård Olsen & Ina Selmer-Anderssen** (*SSB*).

How to introduce a new software for statistical calculations – the case of R. Hosted by **Peter Stolze** (*DST*).

NORDIA / 13.00–13.50

PROCESSING SOCIAL STATISTICS

Margrét Gylfadóttir (*Statistics Iceland*)

Wage Price Index – 30 years of experience and questioning.

Daniel Widegren (*SCB*) & **John Ekberg** (*Swedish National Mediation Office*)

The wage effect of commuting – An analysis of the gender wage gap in local labor markets.

Jouko Kinnunen & Kenth Häggblom (*ÅSUB*)

Producing population scenarios within a regional macroeconomic model.

Helle Visk & Kristi Lehto (*Statistics Estonia*)

Constructing families using administrative registers.

NAUTICA / 13.00–13.50

THE CHANGING ENVIRONMENT FOR OFFICIAL STATISTICS

Annie Stahel (*DST*)

The implications of data sharing in the public sector – a case for the universities.

Hans Viggo Sæbø, Richard Ragnarson & Trine Westvold (*SSB*)

Official statistics as a safeguard against fake news.

Joakim Malmdin (*SCB*)

A Quality Framework for Official Statistics of Sweden.

NORDIA / 14.00–14.50

FRUITFUL MULTINATIONAL COOPERATION

Arto Miettinen (*Statistics Finland*) & **Arne Jensen** (*SSB*)

Differences in accidents at work statistics between the Nordic countries.

Jelle van der Kamp, Kalle Emil Holst Hansen, Peter Bøegh Nielsen (*DST*), **Henri Luomaranta** (*Statistics Finland*) & **Andreas Poldahl** (*SCB*)

Establishing Harmonized Business Statistics Databases in the Nordic NSIs – challenges and achievements.

Vebjörn Aalandslid (*SSB*), **Guðjón Hauksson** (*Statistics Iceland*), **Marja-Liisa Helminen** (*Statistics Finland*), **Karin Lundström, Petter Wikström** (*SCB*) & **Jens Bjerre** (*DST*)

New comparative data on migrants and their integration in the Nordic countries.

EUROPAEA / 14.00–14.50

ENABLING EXPERT USERS THROUGH GOOD METADATA AND APIS

Piret Piiraja & Tuuli Mei (*Statistics Estonia*)

Harmonized structural metadata for faster and more coherent output.

Rok Platinovsek, Daniel Davis & Emilia Saarinen (*Statistics Finland*)

Toward standardized statistical tables: Metadata-driven PX-file production.

Tryggvi Björgvinsson (*Statistics Iceland*)

A Leadership Lost: Reclaiming the Nordic’s Place in the Open Data Space.

EUROPAEA / 15.10–16.00

FINDING – UNDERSTANDING – ACCOMPLISHING: EFFORTS IN MORE USER-FRIENDLY DISSEMINATION

Caroline Bo & Casper Winther (*DST*)

Explaining and analysing our data.

Maija Metsä (*Statistics Finland*)

Experiences of articles and blogging service based on new mobile first publishing concept.

Ann-Marie Karlsson (*Swedish Board of Agriculture*)

Ethos, pathos and logos for building trust in official statistics.

FENNIA / 15.10–16.00

COMBINING DIFFERENT SOURCES FOR COMPILING STATISTICS

Ossi Nurmi, Katja Löytynoja, Matti Kokkonen & Johannes Kolu (*Statistics Finland*)

Method for compiling statistics on rented holiday homes.

Anna Korlyuk, Marius Andersen & Camilla Rochlenge (*SSB*)

Data collection from different sources in price indices for passenger transport by air.

Lars Viklund & Louise Sörme (*SCB*)

Municipal waste – existing data ready to be utilised.

EUROPAEA / 16.10–17.00

MAKING AN IMPACT IN THE NEWS

Magnus Nørtoft & Helle Harbo Holm (*DST*)

Proactive presswork – during national election and in general.

Jaana Majalahti (*Statistics Finland*)

What media wants from Statistics Finland experts? A study on how to increase the visibility of our experts.

Kristin Fredriksen (*SSB*)

Use your own statistical experts to set the agenda and build reputation.

FENNIA / 16.10–17.00

DATA MANAGEMENT AND SHARING

Veiko Berendsen (*Statistics Estonia*)

How state data governance can contribute to better statistics.

Aivi Saar & Liisi Lillipuu (*Statistics Estonia*)

The role of administrative data manager in getting access to data and metadata.

Kaija Ruotsalainen (*Statistics Finland*) & **Ulla Agerskov** (*Nordic Council of Ministers*)

Nordic Mobility Statistics.

19.00–22.00

CONFERENCE DINNER AND GUNNAR MODEEN PRIZE

NAUTICA / 14.00–14.50

THE CHANGING OVERALL ROLE AND MISSION OF NSIS

Lars Kirdan (*SAS Institute*)

Reconnecting to a Fact-Based Ethos.

Riitta Piela (*Statistics Finland*)

Statistical agencies facing the Digital Era.

Ulrik Rongved Amundsen (*SSB*)

Fear and loathing in official statistics.

NAUTICA / 15.10–16.00

DATA SCIENCE AND TECHNOLOGY PARTNERSHIPS

Laust Hvas Mortensen (*DST*)

Why is Statistics Denmark interested in “Big Data in Biomedicine”?

Diana Beltadze (*Statistics Estonia*)

Creating Partnership with Census Data Users.

Svein Tore Bø (*SAS Institute*)

Succeeding with Analytics.

NORDIA / 15.10–16.00

NEW ROADS

Jon Mortensen & Annette Thomsen (*DST*)

Assessing the MNE Pilot Exercise.

Hjörvar Pétursson, Svanhvit Eggertsdóttir, Magnús Kári Bergmann & Böðvar Þórisson (*Statistics Iceland*)

Estimating the residential accommodation component in a growing tourism market: New landscape, new methods.

Fredrik Granström, Sara Nilsson Hörnell & Remy Kamali (*The Swedish National Council for Crime Prevention*)

Developing new statistics describing the legal process of criminal justice.

NAUTICA / 16.10–17.00

USER DRIVEN INNOVATION

Mikael Skovbo & Dagmar Thomsen (*DST*)

The core business of statistical organisations – the case of tailor-made data solutions.

Laura Mäkelä (*Statistics Finland*)

Design thinking in developing new concepts for statistical content.

Magnus Jenssen & Emma Schiro (*SSB*)

Modernization of statistics: How about modernizing the development process first? – A conversation between an end user and a coder.

NORDIA / 16.10–17.00

STATISTICAL COMPUTING

Nina Gunnes (*SSB*)

Predicting the Contractual Full-Time Equivalent Percentage Using XGBoost.

Kristian Harald Myklatun & Silje Skjolden Thorsnes (*SSB*)

Utilizing machine learning in the Consumer Price Index.

Jan Olav Rørhus (*SSB*)

Validation of international trade in goods data through machine learning.

Wednesday, 28 August, 2019 / Lunch at 12.30–13.30

PLENARY / 9.30–10.30

OPENING WORDS

Annika Damström, Moderator

KEYNOTE – DIGITALISATION IN THE PUBLIC SECTOR

Government CIO of Estonia, **Siim Sikkut**

PLENARY / 13.30–15.30

KEYNOTE

President **Tarja Halonen**

FINDINGS FROM PARALLEL SESSIONS

Kristina Strandberg (SCB), **Arndís Vilhjálmsdóttir** (Statistics Iceland), **Ragnhild Rein Bore** (SSB), **Kaja Sõstra** (Statistics Estonia) & **Søren Schionning Andersen** (DST)

NSM2019 GOLDEN DUCK AWARD CEREMONY

CLOSING WORDS

Marjo Bruun, Director General of Statistics Finland

FENNIA / 10.40–11.30

NEW DATA, MACHINE LEARNING

Gustav Haraldsen & Arild Langseth (SSB)

A statistical approach to Big Data.

Thomas Aanensen (SSB)

Electricity data hub – a new data source in statistics.

Kristin Foldal Haugen & Thivyesh Ahilathasan (SSB)

Machine Learning on the classification of economic activities (SIC).

NORDIA / 10.40–11.30

LINKING MULTISOURCE DATA

Daniel Davis, Tuuli Pihlajamaa, Essi Kaukonen, Rina Tammisto, Jennika Leino, Sanna-Mari Pohjolainen (Statistics Finland), **Eero Hietanen & Kai Koistinen** (National Land Survey of Finland)

Integrating areal classifications and geospatial data: Case IGALOD.

Anders Grönvall (Swedish Board of Agriculture)

Record linkage in agricultural statistics.

Erik Fjærli (SSB)

Saving and investments in the private sector: Combining business statistics and social statistics can provide new insights.

EUROPAEA / 10.40–11.30

IMPLEMENTING NEW TOOLS FOR DISSEMINATING STATISTICS AND MICRODATA

Joonas Valve & Maria Yli-Heikkilä (Natural Resources Institute Finland)

Fishing dashboard: Interactive visualization of Fleet-Economic Performance.

Annika Brauer (Statistics Estonia)

Building digital channels for fully personalised data experience.

Johan Sjøberg & Andreas Skogmo Rønning (SSB)

Microdata.no – instant access to research data with no applications.

NAUTICA / 10.40–11.30

MODERNISATION OF PROCESS, SYSTEM AND QUALITY MANAGEMENT

Essi Kaukonen & Mikko Saloila (Statistics Finland)

The expanding role of metadata supporting modern statistical production process.

Trygve Falch, Rune Gløersen & Jon Folkedal (SSB)

Modernising statistical production at Statistics Norway.

Kristin Glomsås (SSB)

Hack4ssb in Statistic Norway.

FENNIA / 11.40–12.30

DIFFERENT FACES OF VALIDATION

Anette Morgiis Hertz & Katja Overgaard (DST)

Re-thinking data validation.

Aura Pasila, Noora Seppä, Lea Lof & Toni Räikkönen (Statistics Finland)

Automatized Validation and Pseudonymization of Data Sets.

Auður Ólína Svavarsdóttir, Bryndís Bjarnadóttir, Garðar Páll Gíslason, Kolbrún Yr Jóhannsdóttir & Violeta Calian (Statistics Iceland)

Error detection for the statistics of external trade in goods.

NORDIA / 11.40–12.30

ENSURING QUALITY IN OFFICIAL STATISTICS

Sanne Nielsen (DST)

Concepts – making the complex simple.

Gró Einarsdóttir (Statistics Iceland)

(Don't) be afraid of the conceptual validity.

Heather Bergdahl & Mats Haglund (SCB)

Reporting on Accuracy for the National Accounts.

EUROPAEA / 11.40–12.30

PROMOTING STATISTICAL LEARNING IN A TIME OF INFORMATION OVERLOAD

Marika Jokinen (Statistics Finland)

Fact-Based Noise in Social Media: Efforts of Statistical education in Marketing.

Violeta Calian (Statistics Iceland), **Anna Helga Jonsdottir, Gunnar Stefansson** (University of Iceland) & **Jamie Lentin** (Shuttle Thread)

SAILS: an e-learning system using data of official statistics.

Camilla Stabell & Kathrine Remers Hanssen (SSB)

Reaching the young population.

NAUTICA / 11.40–12.30

THE GLOBAL PICTURE – NSIS AND THE SDGS

Annika Klintefelt (DST)

Statistics Denmark's SDG Platform – what about the enterprises?

Fanny Rehula, Ulla Agerskov (Nordic Council of Ministers) & **Johan Bring** (Statisticcon)

From “Sustainable Development Indicators” to “SDG Indicators”.

Sara Frankl (SCB), **Jukka Hoffren** (Statistics Finland), **Live Rognerud** (SSB), **Olafur Thordarsson** (Statistics Iceland) & **Maciej Truszczynski** (DST)

Nordic Experiences in Coordination of Compilation and Communication of Global SDG indicators.

LUNCH ROUNDTABLE DISCUSSION / 12.30–13.30

Using R for output in Statistics Estonia. Hosted by **Siim Nettan**.

How cultural differences affect project results and how to navigate. Hosted by **Silja Emmel** (DST).

Speakers



Marjo Bruun

Director General of Statistics Finland

OPENING WORDS



Tarja Halonen

President

KEYNOTE



Esa Mäkinen

Data journalist, Helsingin Sanomat

PANEL DISCUSSION – DATA, STATISTICAL LITERACY AND FACTS



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Executive advisor, Demos Helsinki

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Kimmo Vehkalahti

University lecturer, University of Helsinki

PANEL DISCUSSION – DATA, STATISTICAL LITERACY AND FACTS



Samuel Kaski

Academy professor, Aalto University

KEYNOTE – AI, MACHINE LEARNING AND OFFICIAL STATISTICS