



ECONOMIC
STATISTICS
CENTRE
OF
EXCELLENCE



Office for
National Statistics

ESCoE CONFERENCE ON ECONOMIC MEASUREMENT 2020



16-18 SEPTEMBER 2020

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Welcome

Welcome to the ESCoE Conference on Economic Measurement 2020.

This year sees a remarkable first for everyone involved, a completely online, digital, annual conference.

As many of you will be aware, we, in partnership with the Office for National Statistics, were due to return to the excellent facilities of King's Business School for EM2020. Covid-19, social distancing rules and travel restrictions all of course meant that these plans had to be changed. While there is no substitute that could ever completely replicate the experience of a traditional conference and the opportunities they provide for meeting colleagues in person, we are however very pleased to be able to host you this year on a virtual platform. We've done our best to recreate at least something of the experience of physically attending a conference. Our virtual conference space includes lecture rooms where you can access a comprehensive programme of live plenary, panel, contributed, Covid-19 and special sessions. You will also be able to visit our conference poster exhibition and engage directly with other attendees and speakers via dedicated direct messaging and topic chatroom functions.

We're delighted to introduce our three keynote speakers: Anil Arora of Statistics Canada, LSE's John Van Reenen, and Anna Vignoles of the University of Cambridge. You can read more about them on the following pages.

We extend our thanks to all our ESCoE and ONS colleagues who have made this year's conference possible, and all who helped in the refereeing process.

We hope that you enjoy this year's conference.

Scientific Committee Co - Chairs Ana Beatriz Galvão and Martin Weale



Keynote speakers



Anil Arora (Statistics Canada)

'Statistics Canada's Modernization Journey - Responding to the Fast Evolving Data Needs of the 21st Century'

The need for good-quality facts and data, in a society where there are massive changes, has never been greater. At Statistics Canada, a full-fledged modernization initiative is underway to provide even greater value to Canadians and businesses in the form of data, analytics and insights. This talk will focus on Statistics Canada's economic program, with specific illustrations of how big data and other novel sources of data are used. It will also showcase our path towards more timely and granular statistical information and how broad topics like globalization and digitalization are addressed in an integrated system.

Anil Arora is an experienced senior public official, having worked at Statistics Canada for over 25 years leading significant programs and transformations. He was appointed Chief Statistician of Canada in September 2016. He has also served in policy and regulatory roles in the Government of Canada at Natural Resources Canada and Health Canada. Anil has led substantive international initiatives, working with the United Nations and the OECD, and received numerous prestigious awards for leadership. He serves on a number of Boards and is active in community events and social causes. He received a Bachelor of Science from the University of Alberta, with subsequent studies in computer science. He holds a graduate certificate in public sector management and governance from the University of Ottawa and the Government of Canada's Advanced Leadership Development Program.



John Van Reenen (London School of Economics)

'Finding the Measure of Management'

How can we measure forms of intangible capital such as management practices? And if we can, how much do management practices matter for firm and macro-economic performance? John will investigate recent techniques for trying to quantify management across firms and countries using a variety of techniques and datasets in the UK and around the world. John concludes that management matters. A lot.

John Van Reenen is Ronald Coase School Professor at the London School of Economics and the Gordon Billard Professor at the Massachusetts Institute for Technology (jointly in the MIT Economics Department and Sloan Management School). He has published over a hundred papers on many areas in economics with a particular focus on firm performance and the causes and consequences of innovation. He was the 2009 winner of the Yrjö Jahnsson Award (the European equivalent of the Clark Medal); the Arrow Prize (2011); the European Investment Bank Prize (2014), and the HBR-McKinsey Award (2018). He is a fellow of the British Academy, the Econometric Society, the NBER, CEPR and the Society of Labor Economists. In 2017, he was awarded an OBE for "services to public policy and economics" by the Queen.



Anna Vignoles (University of Cambridge)

'The Potential of Linked Administrative Data to Inform Government Policy and Improve Public Services'

The use of administrative data to undertake policy focused research is now commonplace. In many countries, such data are routinely linked and made available to researchers, and as a consequence have been used to produce high quality and impactful research. In the UK a number of influential studies have also made use of linked administrative data to answer pressing policy questions, though access has been a major problem. The ESRC has invested in a new data centre, ADRUK, to make such data more widely available. Anna will outline the considerable benefits, for government and academics, of increasing the amount of linked administrative data made available for research. She will also discuss the challenges; political, ethical and practical, that are being tackled to ensure that administrative data is routinely available for research purposes.

Anna Vignoles is a Professor of Education at the Faculty of Education, University of Cambridge, a Fellow of the British Academy, and a trustee of the Nuffield Foundation. Anna undertakes research into how we can improve students' academic achievement and help them develop the skills they need in the labour market. She has a particular interest in researching the inequalities we see in access to education (globally) and, in the UK context, the lower levels of educational success of children from poorer families. She also studies the economic and social outcomes from education. Anna has been advisor to Dame Shirley Pearce's Teaching Excellence Framework review, is on The Sutton Trust Advisory Board and has advised numerous government departments, including the Department for Education, the Department of Business, Innovation and Skills and HM Treasury.

Wednesday

Time	Sessions				
10.50 - 12.00	Welcome and Plenary Session 1: The Potential of Linked Administrative Data to Inform Government Policy and Improve Public Services				
12.00 - 13.00	Panel Session 1: Lessons from the Pandemic: Defining Recessions in Real-time				
Break: Discussions in Lounge					
14.00 - 16.00	Contributed Session A: Capital Stock I	Contributed Session B: Nowcasting	Contributed Session C: Prices	Contributed Session D: Welfare	COVID-19 Panel Session: Measuring Business Impacts in Real-time: International Experience
Break: Discussions in Lounge					
16.30 - 18.00	Contributed Session E: Capital Stock II	Contributed Session F: Trade	Special Session A: Bank of England Data from Research: Recently Published Resources for Measuring Financial Activity and Economic Sentiment	Special Session B: Digitalisation and Economic Measurement	COVID-19 Session A: Measuring Consumption and Inflation During the Epidemic

- * Please note, this Conference is on the record and all sessions will be recorded.
- * Timings are all BST.

10.50-12.00: Welcome and Plenary Session I

Welcome

Sir Ian Diamond (UK National Statistician)

Plenary Session I

Chair: Mary O'Mahony (King's College London)

Anna Vignoles (University of Cambridge)

'The Potential of Linked Administrative Data to Inform Government Policy and Improve Public Services'

12.00-13.00: Panel Session I

Title: 'Lessons From The Pandemic: Defining Recessions in Real-Time'

Chair: Ana Galvão (University of Warwick)

Panel Members: Chris Giles (Financial Times), Gemma Tetlow (Institute for Government), Sumit Dey-Chowdhury (Office for National Statistics) and Grant Fitzner (Office for National Statistics)

13.00-14.00: Break

14.00-16.00: Contributed Sessions A/B/C/D and COVID-19 Panel Session

Contributed Session A: Capital Stock I

Chair: Kris Johannsson (Office for National Statistics)

Kevin Fox (University of New South Wales Sydney), Kay Cao (Australian Bureau of Statistics) and Franklin Soriano (Australian Bureau of Statistics)

'Measuring Firm-Level Capital and Productivity Using Australian Integrated Microdata'

Cain Baybutt (Office for National Statistics)

'Rebuilding Two Centuries of Housing Investment Estimates'

Mary O'Mahony (King's College London) and Lea Samek (OECD)

'Health and Human Capital'

Kris Johannsson (Office for National Statistics)

'Taking Stock of Capital – Revisions Don't Come Much Bigger Than This!'

Contributed Session B: Nowcasting

Chair: Andre Moreira (Bank of England)

Paul Labonne (King's College London) and Martin Weale (King's College London)

'Nowcasting GDP from VAT Returns in the UK'

Tommaso Proietti (Università degli Studi di Roma) and Alessandro Giovannelli (Università di Roma Tor Vergata)

'Nowcasting Monthly GDP with Big Data: A Model Averaging Approach'

Jyldyz Djumalieva (Nesta) Cath Sleeman (Nesta) and Stef Garasto (Nesta)

'Evaluating a New Earnings Indicator, Can we Improve the Timeliness of Existing Statistics on Earnings by Using Salary Information from Online Job Adverts?'

Andre Moreira (Bank of England)

'Turning MIDAS into Gold: The Bank of England's New Nowcasting Tool'

Contributed Session C: Prices

Chair: Maurizio Fiaschetti (University of Nottingham)

Abe Dunn (Bureau of Economic Analysis)

'Are Medical Care Prices Still Declining? A Systematic Examination of Quality-Adjusted Price Index Alternatives for Medical Care'

Ana Aizcorbe (Bureau of Economic Analysis)

'Price Indexes for Taxi and Ridesharing Services: A Case Study'

Jean-Charles Bricongne (Banque de France) and Alessandro Turrini (European Commission)

'Assessing House Prices: Insights from HouseLev, A Dataset of Price Level Estimates'

Maurizio Fiaschetti (University of Nottingham) and Giancarlo Marini (University of Rome) and Pasquale Scaramozzino (SOAS, University of London)

'Intertemporal Consumption and the Measurement of Inflation: A Dynamic Inertial Price Index'

Contributed Session D: Welfare

Chair: Paul Ormerod (University College London)

Diane Coyle (University of Cambridge), David Nguyen (National Institute of Economic and Social Research)

'Free' Digital Goods and Economic Welfare'

Brian Nolan (Institute for New Economic Thinking)

'The Median Versus Inequality-Adjusted GDP as Core Indicator of 'Ordinary' Household Living Standards in Rich Countries'

Omar Licandro (University of Nottingham)

'Is the Output Growth Rate in NIPA a Welfare Measure?'

Rickard Nyman (University College London) and Paul Ormerod (University College London)

'Text as Data: Real-time Measurement of Economic Welfare'

COVID-19 Panel Session

Title: 'Measuring Business Impacts in Real Time: International Experience'

Chair: Craig McLaren (Office for National Statistics)

Tom Joseph (Australian Bureau of Statistics) and John Shephard (Australian Bureau of Statistics)

'Estimates Rapid Indicators: Understanding The Experience and Response of Australian Businesses in the Face of a Pandemic'

Rikke Hansen (United Nations)

'Rapid Surveys in Pandemic Times: A View from Asia-Pacific'

Cathy Buffington (US Bureau of the Census)

'The Experimental Small Business Pulse Survey'

Soren Andersen (Statistics Denmark)

'Meeting New User Needs: Experimental Statistics During COVID-19'

16.00-16.30: Break

16.30-18.00: Contributed Sessions E/F, Special Session A/B and COVID-19 Session A

Contributed Session E: Capital Stock II

Chair: Richard Kneller (University of Nottingham)

Carol Corrado (The Conference Board), Jonathan Haskel (Imperial College and Bank of England), Cecilia Susana Jona-Lasinio (LUISS University) and Massimiliano Iommi (Italian Statistical Institute)

'Intangible Capital and Innovation: Extending the Neoclassical KLEMS Model and EU/US Productivity Growth'

Russell Black (Office of National Statistics), Ted Dolby (Office of National Statistics) and Rebecca Riley (National Institute of Economic and Social Research)

'Firm-level Total-factor-productivity from the Annual Business Survey/ARDx'

Richard Kneller (University of Nottingham)

'ICT and Capital Biased Technical Change'

Contributed Session F: Trade

Chair: Lu Han (University of Liverpool)

Peter Levell (Institute for Fiscal Studies) and Matthias Parey (University of Surrey)

'Trade and Technology Impacts on UK Labour Markets'

Maria Tito (Federal Reserve Board of Governors)

'Exporters of Services: A Look at U.S. Exporters Outside of the Manufacturing Sector'

Lu Han (University of Liverpool)

'The Mutable Geography of Firms' International Trade: Evidence and Macroeconomic Implication'

Special Session A: Bank of England Data for Research: Recently Published Resources for Measuring Financial Activity and Economic Sentiment

Chair: Sylaja Srinivasan (Bank of England)

Mike Anson (Bank of England), David Bholat (Bank of England), Miao Kang (Bank of England), Kilian Rieder (Bank of England) and Ryland Thomas (Bank of England)

'The Bank of England and Central Bank Credit Rationing During the Crisis of 1847: Frosted Glass or Raised Eyebrows?'

Sebastian J A de-Ramon (Bank of England), William B Francis (Bank of England) and Kristoffer Milonas (Bank of England)

'An Overview of the UK Banking Sector Since the Basel Accord: Insights from a New Regulatory Database'

Nicholas Bloom (Stanford University) Philip Bunn (Bank of England), Scarlet Chen (Stanford University), Paul Mizen (University of Nottingham), Pawel Smietanka (Bank of England) and Gregory Thwaites (London School of Economics, Centre for Macroeconomics)

'The Impact of COVID-19 on UK Firms'

Special Session B: Digitalisation and Economic Measurement

Chair: Richard Heys (Office for National Statistics)

Diane Coyle (University of Cambridge)

'The Impact of New Digital Goods and Variety on Economic Measurement'

Erwin Diewert (University of British Columbia and UNSW Sydney) and Kevin Fox (UNSW Sydney)

'Advertising, Mark-ups and the Digital Economy'

Richard Heys (Office for National Statistics)

'Integrating Improved Telecom Deflators into the UK National Accounts'

COVID-19 Session A: Measuring Consumption and Inflation During The Epidemic

Chair: John Galbraith (McGill University)

Rachel Soloveichik (Bureau of Economic Analysis)

'Cost-of-Living Indexes During a Stay-in-Place Order'

Alberto Cavallo (Harvard University)

'Inflation with COVID Consumption Baskets'

David Bounie (Telecom Paris), Youssouf Camara (Telecom Paris) and John Galbraith (McGill University)

'Consumers' Mobility, Expenditure and Online- Offline Substitution Response to COVID-19: Evidence from French Transaction Data'



Thursday

Time	Sessions				
10.30 - 11.30	Panel Session II: Peaks, Hills and Valleys- The Public Good from a Better Understanding of the Nature of British Regional Economies?				
11.45 - 13.15	Contributed Session G: GDP Measurement and Uncertainty	Contributed Session H: Innovation	Special Session C: Pipes, Potholes and Pylons: The Challenges of Measuring Infrastructure	Special Session D: Economic Inequality in the UK: Advances in the Measurement of Top Incomes using Administrative Data	COVID-19 Session B: Measuring the Impact of COVID on the Economy
Break: Discussions in Lounge					
14.30 - 16.00	Contributed Session I: Labour Markets and Migration	Contributed Session J: Trade	Contributed Session K: Economic Aggregates	Special Session E: Improving and Understanding Policy with Machine Learning and Natural Language Processing	COVID-19 Session C: COVID, Life and Society
Break: Discussions in Lounge					
16.30 - 17.30	Plenary Session II: Statistics Canada's Modernization Journey – Responding to the Fast Evolving Data Needs of the 21st Century				
1730 - 18.00	Poster Session in Poster Hall				

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10.30-11.30: Panel Session II

Title: 'Peaks, Hills and Valleys- The Public Good from a Better Understanding of the Nature of British Regional Economies?'

Chair: Mary Gregory (Office for Statistics Regulation)

Panel Members: Darren Morgan (Office for National Statistics), Mairi Spowage (University of Strathclyde) Andrew Carter (Centre for Cities) and Iain Russell (Office for Statistics Regulation)

11.45-13.15: Contributed Sessions G /H, Special Session C/D and COVID Session B

Contributed Session G: GDP Measurement and Uncertainty

Chair: Kevin Lee (University of Nottingham)

Ana Galvao (University of Warwick), James Mitchell (University of Warwick) and Johnny Runge (National Institute of Economic and Social Research)

'Communicating Data Uncertainty: Experimental Evidence for U.K. GDP'

Robert Kent-Smith (Office for National Statistics)

'A New Framework for UK GDP: Progress, Challenges and the Future'

Kevin Lee (University of Nottingham), Michael Mahony (University of Nottingham) and Paul Mizen (University of Nottingham)

'Output Expectations, Uncertainty and the UK Business Cycle; Evidence from the CBI's Suite of Business Surveys'

Contributed Session H: Innovation

Chair: Max Nathan (University College London)

Youssef Camara (Telecom Paris)

'Card-Sales Response to Merchant Contactless Payment Acceptance: Causal Evidence'

Christopher Kurz (Board of Governors), Paul Lengermann (Federal Reserve Board), Benjamin Mandel (J.P. Morgan, Asset Management)

'New Economy, Same Old Consumption? E-commerce and Implications for Economic Measurement'

Max Nathan (University College London) and Anna Rosso (University of Milan)

'Innovative Events'

Special Session C: Pipes, Potholes and Pylons: The Challenges of Measuring Infrastructure

Chair: Marianthi Dunn (Office for National Statistics)

Peter Van de Van (OECD)

'OECD Horizontal Project on Infrastructure'

Krista Keller (Statistics Netherlands) and Maarten van Rossum (Statistics Netherlands)

'Value Added of Infrastructure, International Comparison'

Tom Wickersham (National Infrastructure Commission, UK) and Sam Aggrey (National Infrastructure Commission)

'A Framework for Infrastructure Performance Measures'

Special Session D: Economic Inequality in the UK: Advances in the Measurement of Top Incomes Using Administrative Data

Chair: Tahnee Ooms (London School of Economics)

Matthew Greenaway (Office for National Statistics), Sam Pendleton (Office for National Statistics), Richard Tonkin (Office for National Statistics) and Dominic Webber (Office for National Statistics)

'Using Administrative Data to Better Capture Top Incomes in Official UK Inequality Statistics'

Arun Advani (University of Warwick), Felix Koenig (Princeton University), Lorenzo Pessina (Columbia University) and Andy Summers (London School of Economics)

'Importing Inequality: The Globalisation of Top Incomes in the UK'

Arun Advani (University of Warwick) and Andy Summers (London School of Economics)

'Capital Gains in Measures of Economic Inequality in the UK'

COVID-19 Session B: Measuring the Impact of COVID-19 on the Economy

Chair: Sumit Dey-Chowdhury (Office for National Statistics)

Takeshi Sakuramoto (Rikkyo University), Satoru Hagino (Office of Statistics Commission, Japan) and Norihiko Yamano (OECD)

'COVID-19 Impacts on Statistics Survey and Estimation Procedures in Japan's Statistical System'

Melanie Lewis (Office for National Statistics), Marianthi Dunn (Office for National Statistics) and Matthew Steel (Office for National Statistics)

'Developing a Quarterly Indicator for Research & Development in the UK, in Response to COVID-19'

Sumit Dey-Chowdhury (Office for National Statistics)

'UK Coronavirus and the Effects on UK GDP'

13.15-14.30: Break

14.30-16.00: Contributed Sessions I/J/K, Special Session E and COVID-19 Session C

Contributed Session I: Labour Markets and Migration

Chair: Seth Murray (University of Maryland Measurement of Nominal Wages and Payroll)

Anthony Savagar (University of Kent)

'Product Market Concentration and Productivity in the UK'

Giacomo Domini (Erasmus University Rotterdam), Marco Grazzi (Università Cattolica del Sacro Cuore), Daniele Moschella (Sant'Anna School of Advanced Studies) and Tania Treibich (University of Maastricht)

'Threats and Opportunities in the Digital Era: Automation Spikes and Employment Dynamics'

Seth Murray (University of Maryland, Measurement of Nominal Wages and Payroll)

'Schedules in Administrative Earnings Data'

Contributed Session J: Trade

Chair: Daniele Moschella (Sant'Anna School of Advanced Studies)

Oscar Lemmers (Statistics Netherlands)

'Capturing Heterogeneity in Global Value Chains: How to Slice and Dice?'

Behzod Alimov (Collegio Carlo Alberto and Università degli Studi di Torino)

'The Role of Misallocation in the Relationship Between Trade and Income Inequality'

Gaetan de Rassenfosse (Ecole Polytechnique Fédérale de Lausanne), Marco Grazzi (Università Cattolica del Sacro Cuore), Daniele Moschella (Sant'Anna School of Advanced Studies) and Gabriele Pellegrino (Ecole polytechnique fédérale de Lausanne)

'International Patent Protection and Trade: Transaction-level Evidence'

Contributed Session K: Economic Aggregates

Chair: Leonard Nakamura (Federal Reserve Bank of Philadelphia)

German Gutierrez (NYU Stern) and Sophie Piton (Bank of England)

'Revisiting the Global Decline of the (Non-Housing) Labor Share'

Leonard Nakamura (Federal Reserve Bank of Philadelphia)

'Evidence of Economic Growth Acceleration and Deflation in the US in the 21st Century'

Special Session E: Improving and Understanding Policy with Machine Learning and Natural Language Processing

Chair: Arthur Turrell (Bank of England)

Joel Suss (Bank of England) and Henry Treitel (Bank of England)

'Predicting Bank Distress in the UK with Machine Learning'

Alastair Firrell (Bank of England) and Kate Reinold (Bank of England)

'All Together Now: Does Macroeconomic Uncertainty Affect Dissent on the Bank of England's Monetary Policy Committee?'

Zahid Amadcharif (Bank of England) James Brookes (Bank of England) Nicola Garbarino (Bank of England), Rajan Patel (Bank of England) and Eryk Walczak (Bank of England)

'The Language of Rules: Textual Complexity in Banking Reforms'

COVID-19 Session C: COVID-19, Life and Society

Chair: Andrea Lacey (Office for National Statistics)

Jingping Gu (University of Arkansas), Dongya Koh (University of Arkansas) and Andrew Yizhou Liu (UC, Santa Barbara)

'Working in the Distance: Productivity Dispersion and Labor Reallocation'

Adan Silverio Murillo (Tecnologico de Monterrey)

'COVID-19, Domestic Violence, and Alcohol Consumption'

Andrea Lacey (Office for National Statistics) and Ellys Monahan (Office for National Statistics)

'Using the ONET Database to Deliver New Insights for the UK on Pandemic-Relevant Occupational Characteristics'

16.00-16.30: Break

16.30-17.30: Plenary Session II

Chair: Ana Galvão (University of Warwick)

Anil Arora (Statistics Canada)

'Statistics Canada's Modernization Journey – Responding to the Fast Evolving Data Needs of the 21st Century'

17.30- 18.00: Poster Session

Please note, posters will be on display throughout the conference in the Poster Hall with the opportunity to speak to the poster presenters at the time indicated in this programme.

Posters to be exhibited:

Booth Name: Cloud Computing
Poster Presenter: Oleksii Romanko (King's College London)
Poster Title: Digital Opportunity - How Cloud Computing Changes the Shape of the Economy

Booth Name: Graduate Overqualification
Poster Presenter: Michela Vecchi (Middlesex University)
Poster Title: Graduate Overqualification in the UK- Where (and how) you Study Matters

Booth Name: Quality Adjustment
Poster Presenter: Adam Gorajek (University of New South Wales)
Poster Title: Economic Measurement Problems, Econometric Solutions

Booth Name: Inventory Shock and Price- Setting
Poster Presenter: Nam Vu (University of Birmingham)
Poster Title: Inventory Shock and Price-Setting

Booth Name: Missing Firm Creation in the UK
Poster Presenter: Anthony Savagar (University of Kent)
Poster Title: Missing Firm Creation in the UK during COVID-19 Lockdown

Booth Name: ONS Data Aspirations
Poster Presenters: Kimberly Fisher (Office for National Statistics), Samantha Roe (Office for National Statistics), and Scott Kilby (Office for National Statistics)
Poster Title: Data Sources Strategy: Improving Consistency on the Assessment, Selection and Use of Data Sources

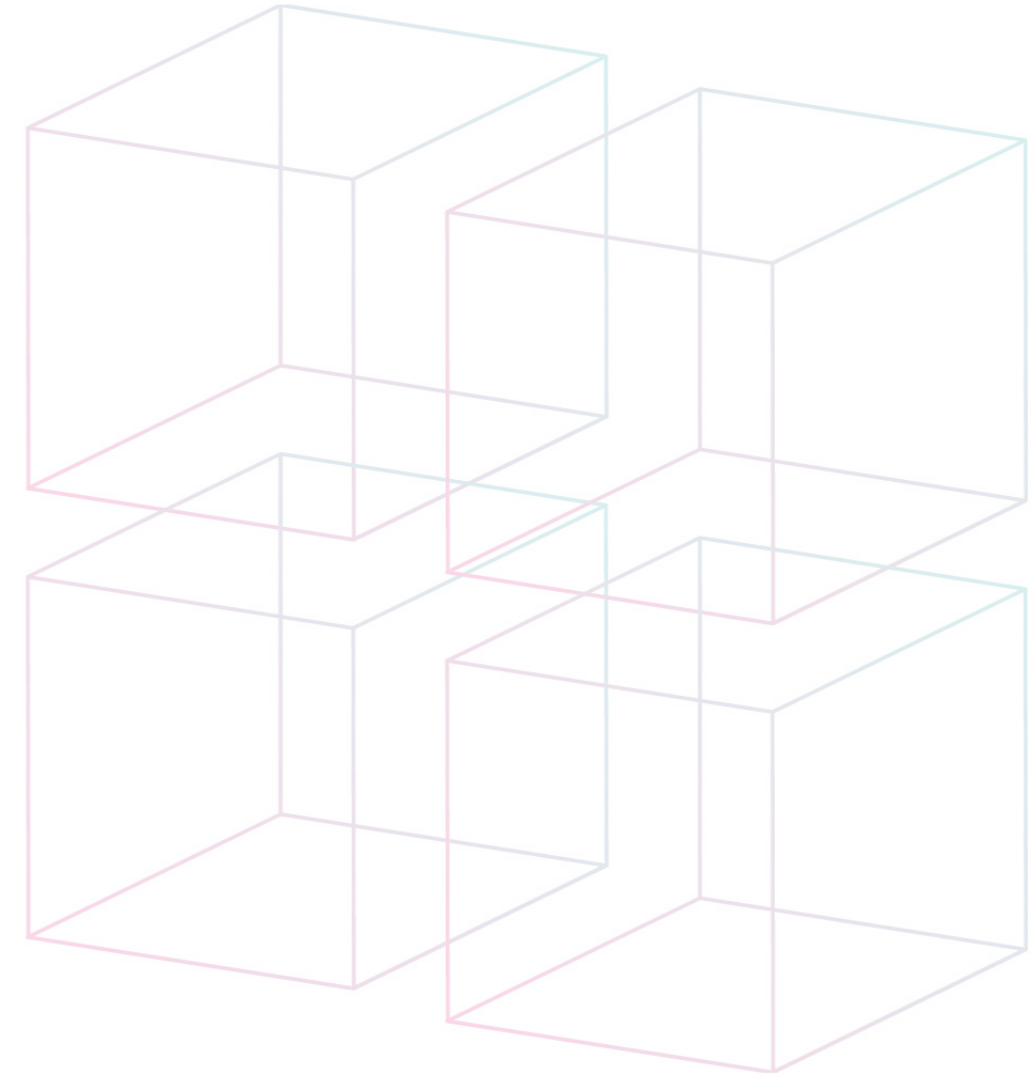
Booth Name: ONS Deflator Strategy
Poster Presenters: Craig Taylor (Office for National Statistics) and Charlotte Richards (Office for National Statistics)
Poster Title: Office for National Statistics Deflator Strategy- Setting the Roadmap for Improvements to Deflators Used in Economic Statistics

Poster Booth: ONS Granular Economic Indicators
Poster Presenter: Keith Lai (Office for National Statistics)
Poster Title: Constructing a High-frequency, Granular Economic Indicator for the UK Using Card Transactional Data

Booth Name: Specialists or Generalists?
Booth Presenter: Justine Herve (Fordham University)
Poster Title: Specialists or Generalists? Cross- Industry Job Mobility and Occupational Wages

Booth Name: Nowcasting UK
Booth Presenter: Harvey Daniell (Bank of England)
Booth Title: Nowcasting UK Recessions Using the Sahm Rule and Google Search Data

Booth Name: The Management and Expectations Survey
Poster Presenter: Tatsuro Senga (Queen Mary University of London)
Poster Title: Forecast Ability, Management Efficiency and Firm Performance: New Insights from the Management and Expectations Survey



Friday

Time	Sessions				
09.15 - 10.45	Contributed Session L: Subnational and Imputation	Special Session F: Globalisation and Input-output Tables	Special Session G: Using On-line Vacancy Data for Policy Research	Special Session H: Distributional Aspects of the National Accounts	
11.00 - 12.00	Plenary Session III: Finding the Measure of Management				
Break: Discussions in Lounge					
13.30 - 15.00	Contributed Session M: Technical Change and Productivity	Contributed Session N: Sub-national	Contributed Sessions O: Labour Markets and Migration	Special Session I: Fast Fashion Measurement of Clothing Prices using Alternative Data Sources	COVID-19 Session D: Effects of COVID on Business and the Labour Market
Break: Discussions in Lounge					
15.30 - 16.45	Panel Session III: Economic Statistics in the Time of COVID-19: Challenges and Opportunities. Conference Closing Remarks				

09:15-10:45: Contributed Session L; Special Session F/G/H

Contributed Session L: Subnational and imputation

Chair: Filipa Sa (King's College London)

Bart Los (University of Groningen)

'The Sterling Depreciation in June 2016 and Regional Competitiveness in the UK'

Thomas Crossley (European University Institute), Peter Levell (Institute for Fiscal Studies) and Stavros Poupakis (University of Oxford)

'Regression with an Imputed Dependent Variable'

Filipa Sa (King's College London)

'The Effect of Foreign Investors on Local Housing Markets: Evidence from the UK'

Special Session F: Globalisation and Input-output Tables

Chair: Sanjiv Mahajan (Office for National Statistics)

Norihiko Yamano (OECD)

'Development and Use of Trade and Industry Databases at OECD for Globalisation Analyses'

Jose Rueda-Cantucho (European Commission)

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'Eurostat's FIGARO Project and its Relevance to Measure Trade and Jobs in Europe'

Luke Weston (Office for National Statistics)

'Understanding UK Trade in a Global Context'

Special Session G: Using On-line Vacancy Data for Policy Research

Chair: David Rosenfeld (BEIS)

Mariagrazia Squicciarini (OECD)

'Demand for AI Skills in Jobs: Evidence from Online Job Postings'

Emma Duchini (University of Warwick)

'Pay Transparency and Cracks in the Glass Ceiling'

Cath Sleeman (Nesta)

'Lessons Learnt in Analysing Job Adverts'

Special Session H: Distributional Aspects of the National Accounts

Chair: Theresa Neef (Freie Universität Berlin, WIL)

Richard Tonkin (Office for National Statistics) Sean White (Office for National Statistics), Aly Youssef (Office for National Statistics) and Craig Williams (Office for National Statistics)

'Developing Indicators of Inequality Consistent with UK National Accounts'

Andrew Aitken (National Institute of Economic and Social Research) and Martin Weale (King's College London)

'Decomposing Democratic National Income for the United Kingdom'

Stefan Bach (DIW Berlin), Charlotte Bartels (DIW Berlin) and Theresa Neef (Freie Universität Berlin, WIL)

'Distributional National Accounts a Macro-Micro Approach to Inequality in Germany'

11.00-12.00: Plenary Session III

John Van Reenen (London School of Economics)

'Finding the Measure of Management'

Chair: Martin Weale (King's College London)

12.00-13.30: Break

13.30-15.00: Contributed Sessions M/N/O, Special Session I and COVID-19 Session D

Contributed Session M: Technical Change and Productivity

Chair: Michele Battisti (University of Palermo)

Dennis Fixler (US Bureau of Economic Analysis)

'Financial Firm Productivity'

Chiara Criscuolo (London School of Economics and OECD), Giuseppe Nicoletti (OECD), Peter Gal (OECD) and Timo Leidecker (OECD)

'The Human Side of Productivity'

Massimo Del Gatto (G.d'Annunzio University, LUISS Guido Carli, CRENoS), Michele Battisti (University of Palermo, RCEA) and Christopher F. Parmeter (University of Miami)

'Skill Biased Technical Change and Economic (In)efficiency: A Country-sector Analysis'

Contributed Session N: Sub-national

Chair: Stuart McIntyre (University of Strathclyde)

Martin Weale (King's College London)

'Small Area Estimation of Price Index Weights'

Craig McLaren (Office for National Statistics), Ed Ryall (Office for National Statistics), Laura

Requena (Office for National Statistics) and Matthew Whipple (Office for National Statistics)

'Sub-national GDP Estimates in the United Kingdom Using Administrative Data'

Gary Koop (University of Strathclyde), Stuart McIntyre (University of Strathclyde), James Mitchell (University of Warwick) and Aubrey Poon (University of Strathclyde)

'Improved Quarterly Estimates of Economic Activity in the Regions of the UK'

Contributed Sessions O: Labour Markets and Migration

Chair: Carl Singleton (University of Reading)

Augustin de Coulon (King's Business School), Richmond Egyei (King's College London) and Jonathan Wadsworth (Royal Holloway, University of London)

'Immigration Stocks and Flows, LFS and Electoral Register Data'

Faryna (National Bank of Ukraine), Tho Pham (University of Reading), Oleksandr Talavera (University of Birmingham) and Andriy Tsapin (National Bank of Ukraine)

'Wage Setting and Unemployment: Evidence from Online Job Vacancy Data'

Daniel Schaefer (University of Linz) and Carl Singleton (University of Reading)

'Nominal Wage Adjustments and the Composition of Pay: New Evidence from Payroll Data'

Special Session I: Fast Fashion Measurement of Clothing Prices using Alternative Data Sources

Chair: Chris Jenkins (Office for National Statistics)

Tanya Flower (Office for National Statistics) and Liam Greenhough (Office for National Statistics)

'Research into Using Alternative Data Sources in Consumer Prices'

Heidi Ertl (Statistics Canada)

'Implementation of Alternative Data Sources in Production'

Claude Lamboray (Eurostat)

'Integration of New Data Sources Alongside Traditional Collection'

COVID-19 Session D: Effects of COVID-19 on Business and the Labour Market

Chair: Khloe Evans (Office for National Statistics)

Emily Hopson (Office for National Statistics), Sumit Dey-Chowdhury (Office for National Statistics), Jon Gough (Office for National Statistics) and Craig McLaren (Office National Statistics)

'Insights of the Business Impact of Coronavirus: Wave 2 to 12'

Christopher S. Payne (Office for National Statistics) and Gueorguie Vassilev (Office for National Statistics)

'Time Use During a Pandemic'

Oleksii Romanko (King's College London) and Gueorguie Vassilev (Office for National Statistics), Khloe Evans (Office for National Statistics), Ryan Schofield (Office for National Statistics) and Martin Wood (Office for National Statistics)

'Developing Online Vacancies Data to Inform on Human Capital and Labour Market COVID Impacts and Changes'

15.00-15.30: Break

15.30-16.30: Panel Session III

Title: 'Economic Statistics in the Time of COVID-19: Challenges and Opportunities'

Chair: Rebecca Riley (ESCoE and National Institute of Economic and Social Research)

Panel Members: Jonathan Athow (Office for National Statistics), Jennifer Banim (Central Statistics Office) and Greg Peterson (Statistics Canada)

16.30-16.45: Closing Remarks

Rebecca Riley (ESCoE and National Institute of Economic and Social Research)

Thanks

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Hasan Bakhshi (Nesta), Giuliana Battisti (University of Warwick)
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The EM2020 Co-chairs are grateful to those listed below
for their work advising on paper submissions

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About ESCoE

Economic statistics are fundamental to evidence-based policy making and the decisions we all make. To serve their purpose they need to keep up with constantly changing economies, drawing on new data sources and the best available methods. This calls for a creative, research-led approach to maintaining and developing them.

ESCoE is all about bringing to the fore this research-led approach to measuring the economy.

Established in 2017 with the support of the UK Office for National Statistics, ESCoE is the UK's first-ever dedicated academic centre of expertise for economic measurement and one of just a handful around the world. Its foundation followed the recommendations of the Independent Review of UK Economic Statistics by Professor Sir Charles Bean, published March 2016. This Review recommended that "in conjunction with suitable partners in academia and the user community, ONS should establish a new centre of excellence for the analysis of emerging and future issues in measuring the modern economy".

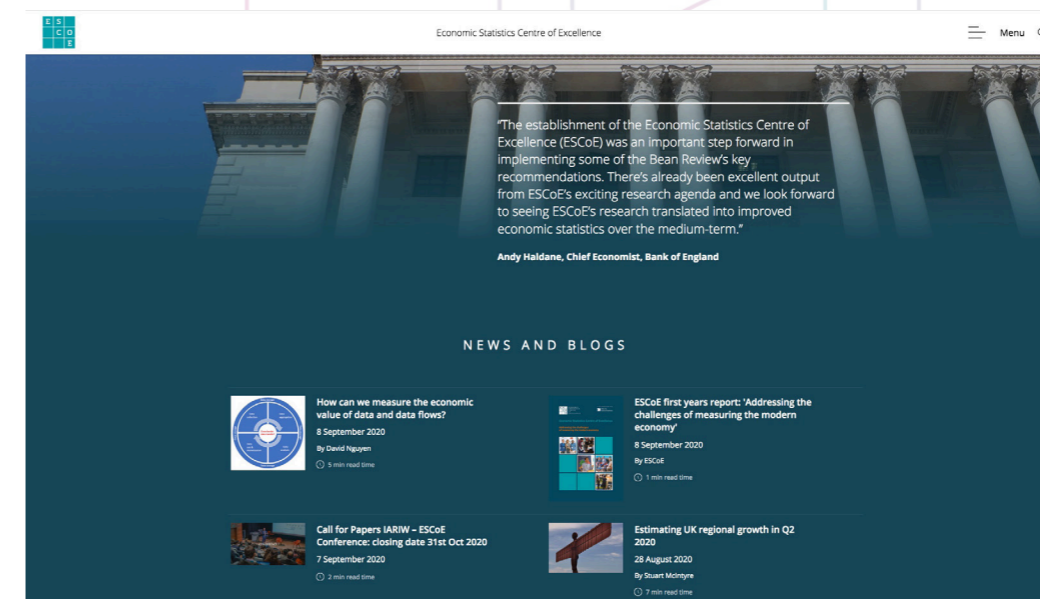
The Centre's ambition is to be an international point of reference for measurement research, supporting cultural change in the delivery of economic statistics.

Our approach is clear. It involves building expertise, increasing collaboration between statistics producers, academia, policymakers and other data users, and raising the profile of economic measurement issues. We do this by addressing both theoretical and practical questions that arise in describing the modern economy, relying on our large international network of Research Associates and Affiliates, and investing in the next generation of experts. We carry out our research in dialogue with statistics producers and promote constructive discussion through workshops and conferences.

There are many people involved in delivering our research programme. We bring together a partnership of over twenty UK and international institutions, including our host partner the National Institute of Economic and Social Research (NIESR) and our other founding partners Fraser of Allander Institute (University of Strathclyde), King's Business School (King's College London), innovation foundation Nesta, University of Cambridge and Warwick Business School (University of Warwick).

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