



## APPOINTMENTS

Data Science Lab, Hertie School of Governance, Berlin – Director, 2019 - .  
Institute for Analytics and Data Science, Department of Computer Science and Electronic Engineering, University of Essex – Chief Scientific Adviser to Essex County Council, 2017-2019.  
Department of Government, University of Essex – Professor of Public Policy and Data Science, 2017-2019.  
Department of Political Science, School of Public Policy, University College London – Associate Professor, 2014-2017; Assistant Professor, 2010-2014.  
Department of Government, MPA Programme, London School of Economics, Postdoctoral Teaching Fellow, 2009-2010.  
Institute for International Integration Studies and Department of Economics, Trinity College Dublin, Postdoctoral Research Fellow, 2008-2009.  
Mannheim Centre for European Social Research, Research Associate, 2009.  
Adjunct Lecturer, Trinity College Dublin, Department of Political Science, 2008-2009.

## EDUCATION

Department of Political Science, Trinity College Dublin – PhD, 2009.  
J.W. Goethe University, Frankfurt am Main, Germany, Business Administration (*Betriebswirtschaftslehre*), 2001-2003.  
Department of International Economics, Belarus State Economic University – *Diplom* in Economics (Distinction) and Bachelor in Economics, 1995–2002.  
Beijing Language and Culture University, People’s Republic of China, Chinese Language, 1997-1999.

## PROFESSIONAL DEVELOPMENT

Strategic Leaders training programme, University of Essex and Leadership Foundation for Higher Education, 2017: Institutional leadership, inspirational leadership; strategic thinking; strategic planning for growth; financing and budgeting; human resources; performance management; and communication.  
Postgraduate Certificate in Higher Education (PGCE), London School of Economics, 2009-2010.

## PROFESSIONAL SERVICE

**Discipline**  
GovTech Knowledge Transfer Consortium, founding member, 2018 - .  
Academic advisor to the UK Home Office, 2015-2017.  
Expert Committee member, United Nations Development Program iData Studio, 2017.  
Programme evaluation and quality assurance, World Bank, DFID, DEFRA, DECC, Department of Health, 2016-present.  
Programme committee member: Empirical Methods in Natural Language Processing, 2018; Frontiers and Advances in Data Science, 2017; Data for Policy conference, 2016, 2017; Annual Meeting of the Association for Computational Linguistics, 2017.  
Grant application reviewer and evaluation rapporteur for the Economic and Social Research Council, 2016-present.  
Grant Selection Board member, Open Society Foundations, 2013-2014.  
National Expert and UK representative on the Management Committee of European Cooperation in Science and Technology (COST) Action IS0905 (*The Emergence of Southern Multinationals and*

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*their Impact on Europe*). Appointment by the Department for Business, Innovation & Skills (BIS), 2010-2013.

Reviewer for *American Political Science Review*; *American Journal of Political Science*; *British Journal of Political Science*; *Comparative Political Studies*; *Computer Journal*; *European Journal of Political Research*; *Electoral Studies*, *European Union Politics*; *Government and Opposition*; *Journal of Comparative Economics*; *Journal of Elections, Public Opinion and Parties*; *Journal of European Public Policy*; *Journal of Peace Research*; *Journal of Public Policy*; *Legislative Studies Quarterly* (**Editorial Board**); *Party Politics*; *Policy and Internet*; *Political Behavior*; *Political Science Research and Methods*; *Political Studies*; *Political Research Quarterly*; *Psychological Methods*; *Romanian National Research Council*; *World Politics*.

## University of Essex

Chair of the Catalyst Project, HEFCE (Award #E10) £4m investment University of Essex (as anchor) and Suffolk and Essex County Councils aimed at transformation of public service delivery: risk stratification models for preventative policy-making; impact evaluation of interventions; and community support through student volunteering. Project's estimated predicted cashable benefit of £27.5m over 10 years in Essex, and £19m in Suffolk. 2017-present.

Search committees for appointments in artificial intelligence, 2017-2018.

## University College London

Deputy Director, UCL Q-Step Centre in Quantitative Social Science, 2013-2016.

Departmental Senior Leadership group, 2015-2016.

Departmental Research Committee, 2015-2016.

Director (Departmental Graduate Tutor for Research Students), PhD Programme in Political Science, 2010-2015.

UCL Economic and Social Research Council Doctoral Training Centre Steering Committee, 2010-2015.

Departmental Teaching Committee, 2010-2015.

MSc Programmes Steering Committee, 2010-2016.

Staff-Student Consultative Committee, 2010-2012.

Search committees for appointments in political economy, qualitative and quantitative methods, 2010-2015.

## PUBLICATIONS

### Articles

"The 2018 report of the *Lancet* Countdown on health and climate change: shaping the health of nations for centuries to come" (with Nick Watts et al.), *The Lancet*, forthcoming.

"Artificial Intelligence for the Public Sector: Opportunities and challenges of cross-sector collaboration." (with Marc Esteve and Averill Campion), *Philosophical Transactions of the Royal Society A*, 2018, Volume 376, Issue 2128.

"Big Data & AI – A Transformational Shift for Government: So, What Next for Research?" (with Irina Pencheva and Marc Esteve), *Public Policy and Administration*, forthcoming.

"The Lancet countdown on health and climate change: from 25 years of inaction to a global transformation for public health" (with Nick Watts et al.), *The Lancet*, 2018, 391(10120): 581-630.

"Detecting Policy Preferences and Dynamics in the UN General Debate with Neural Word Embeddings" (with Stefano Gurciullo), *IEEE Proceedings of the 2017 International Conference on the Frontiers and Advances in Data Science (FADS)*, 23-25 October 2017, Xi'an, China: 74-79.

"Database of Parliamentary Speeches in Ireland, 1919-2013" (with Alexander Herzog), *IEEE Proceedings of the 2017 International Conference on the Frontiers and Advances in Data Science (FADS)*, 23-25 October 2017, Xi'an, China: 29-34.

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“Understanding State Preferences With Text As Data: Introducing the UN General Debate Corpus” (with Alexander Baturo and Niheer Dasandi), *Research and Politics*, 2017, 4(2).

“Crowd-Sourced Text Analysis: Reproducible and agile production of political data.” (with Kenneth Benoit, Drew Conway, Ben Lauderdale, and Michael Laver), *American Political Science Review*, 2016, 110(2): 278-295.

“Blair Disease? Business Careers of the Former Democratic Heads of State and Government.” (with Alexander Baturo), *Public Choice*, 2016, 166: 335-354.

“Reading The Tea Leaves: Medvedev’s Presidency Through Political Rhetoric Of Federal And Sub-National Actors.” (with Alexander Baturo), *Europe-Asia Studies*, 2014, 66(6): 969-992.

“A Conservative Revolution: The electoral response to economic crisis in Ireland.” (with Michael Marsh), *Journal of Elections, Public Opinion and Parties*, 2014, 24(2): 160-179.

“Life of Brian Revisited: Assessing Informational and Non-Informational Leadership Tools” (with Alexander Baturo). *Political Science Research and Methods*, 2013, 1(1): 139-157.

“Born to Lead? A Twin Design and Genetic Association Study of Leadership Role Occupancy” (with Jan-Emmanuel De Neve, Christopher T. Dawes, Nicholas Christakis, and James Fowler). *The Leadership Quarterly*, 2013, 24(1): 45-60. [Winner of the 2013 Leadership Quarterly Best Paper Award].

“How to scale coded text units without bias: A response to Gemenis” (with Kenneth Benoit, Michael Laver and Will Lowe), *Electoral Studies*, 2012, 31(3): 605-608.

“Economic voting in a crisis: the Irish election of 2011” (with Michael Marsh), *Electoral Studies*, 2012, 31(3): 478-484.

“Natural Sentences as Valid Units for Coded Political Texts” (with Thomas Daubler, Ken Benoit and Michael Laver). *British Journal of Political Science*, 2012, 42(4): 937-951.

“Coder Reliability and Misclassification in the Human Coding of Party Manifestos” (with Michael Laver and Kenneth Benoit), *Political Analysis*, 2012, 20(1): 78-91.

“Scaling Policy Preferences From Coded Political Texts” (with Will Lowe, Kenneth Benoit, and Michael Laver), *Legislative Studies Quarterly*, 2011, 26(1): 123-155.

“European Parliament elections and EU governance” (with Michael Marsh), *Living Reviews in European Governance*, 2010, 5 (4).

“Treating Words as Data with Error: Estimating Uncertainty in Text Statements of Policy Positions” (with Kenneth Benoit and Michael Laver), *American Journal of Political Science*, 2009, 53 (2): 495-513.

“The significance of economy in the Russian bi-lateral treaty process” (with David Dusseault and Martin Hansen), *Communist and Post-Communist Studies*, 2005, 38(1): 121-130.

## Working papers

“AI for the Public Sector: Opportunities and challenges of cross-sector collaboration.” (with Marc Esteve and Averill Campion), February 2018.

“Multiplex Communities and the Emergence of International Conflict” (with Caleb Pomeroy and Niheer Dasandi), arXiv:1806.00615 [cs.CL], 5 June 2018.

“Tramecksan and Slamecksan? Explaining the differences between Fianna Fáil and Fine Gael” (with Liam Weeks, Mícheál Ó Fathartaigh, and Alexander Herzog), January 2018.

“Power Plays and Balancing Acts: The Paradoxical Effects of Chinese Trade on African Foreign Policy Positions” (with Pádraig Carmody and Niheer Dasandi), January 2018.

“Learning to Predict with Highly Granular Temporal Data: Estimating individual behavioral profiles with smart meter data” (with Anastasia Ushakova), arXiv:1711.05656 [stat.AP], 23 November 2017.

“Predicting Energy Customer Vulnerability from Consumption Behavior” (with Anastasia Ushakova), November 2017.

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“Application of Natural Language Processing to Determine User Satisfaction in Public Services” (with Radoslaw Kowalski and Marc Esteve), arXiv:1711.08083 [cs.CL], 21 November 2017.

“Intra-Cabinet Politics and Fiscal Governance in Times of Austerity” (with Alex Herzog), October 2017.

“Data Innovation for International Development: An overview of natural language processing for qualitative data analysis” (with Philipp Broniecki and Anna Hanchar), arXiv:1709.05563 [cs.CL], 19 September 2017.

“What Drives the International Development Agenda? An NLP Analysis of the United Nations General Debate 1970-2016” (with Alexander Baturo and Niheer Dasandi), arXiv:1708.05873 [cs.CL], 19 August 2017.

“Topology Analysis of International Networks Based on Debates in the United Nations” (with Stefano Gurciullo), arXiv:1707.09491 [cs.CL], 29 July 2017.

“Complex Politics: A Quantitative Semantic and Topological Analysis of UK House of Commons Debates” (with Stefano Gurciullo, Michael Smallegan, Maria Pereda, Federico Battiston, Alice Patania, Sebastian Poledna, Daniel Hedblom, Bahattin Tolga Oztan, Alexander Herzog, and Peter John). arXiv:1510.03797 [physics.soc-ph], 13 October 2015.

## Book chapters and edited volumes

European Elections after Eastern Enlargement: Preliminary Results from the European Election Study 2004 (with Michael Marsh and Hermann Schmitt, eds.), CONNEX: Mannheim, 2007.

“Policy Performance and Support for European Integration” (with Michael Marsh), in *The Legitimacy of the European Union After Enlargement*, Jacques Thomassen (ed.), Oxford University Press, 2009, pp. 142-162.

“I Love You, You Pay My Rent: the Game of Belarusian-Russian Integration” (with Alexander Baturo), in *The CIS: Form or Substance*, David Dusseault and Richard Sakwa (eds.), Helsinki University Press, 2006, pp. 98-130.

“The Energy Dynamic on the Borders of the EU – Belarusian Russian Relations.” Report commissioned by Ministry for Foreign Affairs of Finland (with Aalto, Pami, Dmitri Babich, David Dusseault, Markku Kivinen, Mikko Palonkorpi and Hanna Smith), 2006. Helsinki: Finnish Foreign Ministry.

## TEACHING

Artificial Intelligence for Public Policy, 2017 (Essex AI Summer School).

Data Science and Big Data Analytics, 2011-2017 (UCL POLS3003, ISSU1028, PUBLG088; LSE ME414).

Natural Language Processing for Policy Analysis, 2016 (European Commission Joint Research Centre executive training).

Political Economy of Energy Policy, 2010-2015 (UCL PUBLG012).

Quantitative Methods, 2010-2017 (UCL PUBLG100).

Econometrics and Time Series Econometrics, 2012-2016 (City University Economics Department ECM108 & ECM004).

Political Science and Public Policy, 2009-2010 (London School of Economics MPA programme, GV478).

Capstone Module, 2009-2010 (London School of Economics MPA programme, GV4D5).

## RESEARCH GRANTS

2018 Wellcome Trust *The Lancet* Countdown Commission, £5mln. Working Group 5 Co-I (PI and Chair of the Board Anthony Costello).

2018 ESRC Business and Local Government Data Research Centre, Transition Funding scheme, £2.7mln. Co-I and Deputy Director (PI and Centre Director Maria Fasli). ESRC Grant Reference Number ES/L011859/1.

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2018 Catalyst Fund (“Unstructured Data Sharing” prototype) £54,466. Sponsor/PI.

2018 *The Lancet* Countdown (“Corporate engagement with health and climate change”) £16,000. PI.

2017 Catalyst Fund (“AI and Data Science: Cross-sector collaboration issues”) £8,000. PI.

2016 UCL Public Policy Awards (“Data Science and Public Sector: UK Home Office”) £5,500. PI.

2016 Irish Research Council (“Irish Treaty Debates”) €10,000. Co-I.

2014 UCL Grand Challenges Awards (“UN General Debate speeches”) £14,068. PI.

2014 ESRC Big Data Network: Consumer Data Research Centre (UCL, Liverpool, Oxford, Leeds). Co-I (PI Paul Longley). £6.1mln.

2013 Nuffield Trust/Economic and Social Research Council/Higher Education Funding Council for England: UCL-IOE Q-Step Centre in Quantitative Social Science. Co-I and Centre Deputy Director (PI and Centre Director J vanHeerde-Hudson). £1.3mln.

## INVITED TALKS

University of Reading, March 2018; Social Science Foo Camp, San Francisco  
Facebook/O’Reilly/Sage, January 2018; Leiden University, January 2018; Big Data for Good Use, ESRC Festival of Social Science, November 2017; KU Leuven, November 2017; The Royal Society, October 2017; City University of Hong Kong, October 2017; European University Institute, May 2017; University of Barcelona, May 2017; London School of Economics, May 2016; Leiden University, April 2016; Home Office Data Analytics, January 2016; NYU Abu Dhabi, Political Science Division, May 2015; Higher School of Economics, Moscow, May 2013.

## AWARDS

Winner of the 2016 Irish Political Studies Association Best Paper Award.

Winner of the 2013 *Leadership Quarterly* Best Paper Award.