

Dario Diodato

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CURRENT POSITION AND AFFILIATIONS

November 2019 – Present

Economist at Joint Research Centre – European Commission (Seville, Spain).

November 2019 – Present

Associate at Growth Lab – Harvard University (Cambridge MA, USA).

PAST POSITIONS

August 2017 – October 2019

Postdoctoral research fellow at Growth Lab – Harvard University (Cambridge MA, USA).

January 2014 – December 2014; September 2015 – March 2016

Visiting research fellow at Growth Lab – Harvard University (Cambridge MA, USA).

November 2013 – December 2013

Visiting PhD student at Bocconi University (Milan, Italy).

November 2012 – May 2013

Researcher at Utrecht University, Department of Economic Geography (Utrecht, The Netherlands).

November 2009 – October 2012

Researcher at PBL Netherlands Environmental Assessment Agency (The Hague, The Netherlands).

EDUCATION

June 2013 – June 2017

PhD in Economic Geography at Utrecht University (Utrecht, The Netherlands). Thesis: *Technological and Structural Change. Understanding Economic Growth in Countries and Regions*. Supervisors: Prof.dr. F.G. van Oort, Prof.dr. R.A. Boschma, Dr. A. Morrison. Degree awarded cum laude.

September 2008 - October 2009

Master of Science in Economics and Geography at Utrecht University (Utrecht, The Netherlands). Thesis: *Agglomeration and Productivity: Measuring the Impact of Urban Returns to Scale in Presence of Reverse Causality and Heterogeneity*. Degree awarded cum laude.

September 2004 - October 2007

Bachelor of Science in Economics of International Markets and New Technologies (CLEMIT) at Bocconi University (Milan, Italy). Thesis: *The Role of Discount Rates on the Exploitation of Renewable Resources*. Final grade: 105/110.

AWARDS

Druid Best Paper Award 2019. For: Diodato, Morrison, and Petralia, *Migration and invention in the age of mass migration*. (Copenhagen, June 19-21 2019).

Van der Knaap Prijs 2018. Triennial award for best PhD dissertation in the field of economic and social geography. Awarded by the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandse Maatschappij der Wetenschappen).

PUBLISHED ARTICLES

Balland, Pierre-Alexandre, Tom Broekel, Dario Diodato, Elisa Giuliani, Ricardo Hausmann, Neave O'Clery, and David Rigby (2022), **The new paradigm of economic complexity**. *Research Policy*. Vol.51-3.

Diodato, Dario, Andrea Morrison, and Sergio Petralia (2022), **Migration and invention in the age of mass migration**. *Journal of Economic Geography*. Vol.22-2, 477-498.

Amoroso, Sara, Dario Diodato, Bronwyn H Hall, Pietro Moncada-Paternò-Castello (2022), **Technological relatedness and industrial transformation**. *Journal of Technology Transfer* (forthcoming).

Lankhuizen, Maureen, Dario Diodato, Anet Weterings, Olga Ivanova, and Mark Thissen (2022), **Identifying labour market bottlenecks in the energy transition: a combined IO-matching analysis**. *Economic Systems Research* (forthcoming).

Diodato, Dario, Frank Neffke, and Neave O'Clery (2018), **Why do industries coagglomerate? How Marshallian externalities differ by industry and have evolved over time**. *Journal of Urban Economics*. Vol.106. 1-26.

Diodato, Dario, Franco Malerba and Andrea Morrison (2018), **The made-in effect and leapfrogging: A model of leadership change for products with country-of-origin bias**. *European Economic Review*. Vol.101. 297-329.

Diodato, Dario and Anet Weterings (2015), **The resilience of regional labour markets to economic shocks: exploring the role of interactions among firms and workers**. *Journal of Economic Geography*. Vol.15-4. 723-742.

Thissen, Mark, Martijn Burger, Frank van Oort and Dario Diodato (2014), **The magnitude and distance decay of trade in goods and services: New evidence for European countries**. *Spatial Economic Analysis*. Vol.9-3. 231-259.

WORKING PAPERS

Diodato, Dario, Ricardo Hausmann, Ulrich Schetter (2022), **A simple theory of economic development at the extensive industry margin**. *CID Faculty Working Paper* No. 416.

Straulino, Daniel, Dario Diodato, Neave O'Clery (2022), **Economic crisis accelerates urban structural change via inter-sectoral labour mobility**. *JRC Working Papers on Corporate R&D and Innovation* No 02/2022 (JRC129110).

Nedelkoska, Ljubica, Shreyas Gadgin Matha, James McNerney, Andre Assumpcao, Dario Diodato, and Frank Neffke (2021), **Eight decades of changes in occupational tasks, computerization and the gender pay gap**. *Unpublished draft*.

Diodato, Dario, Ricardo Hausmann, and Frank Neffke (2020), **The impact of return migration from the U.S. on employment and wages in Mexican cities**. *Papers in Evolutionary Economic Geography* No. 20.12. Revise and Resubmit for the *Journal of Urban Economics*.

Diodato, Dario (2020), **Structural accounting: An empirical assessment of cross-country differences in productivity**. *Papers in Evolutionary Economic Geography* No. 20.20.

Diodato, Dario and Andrea Morrison (2019), **Technological regimes and the geography of innovation: a long-run perspective on US inventions**. *Papers in Evolutionary Economic Geography* No. 19.24.

Nedelkoska, Ljubica, Dario Diodato, and Frank Neffke (2018), **Is our human capital general enough to withstand the current wave of technological change?** *CID Research Fellow and Graduate Student Working Paper* No. 93.

BOOKS AND BOOKS' CHAPTERS

Diodato, Dario and Anet Weterings, **Putting adaptive resilience to work: Measuring regional re-orientation using a matching model**. In Bristow, Gillian and Adrian Healy (2020), **Handbook on regional economic resilience**. *Edward Elgar*.

Thissen, Mark, Frank van Oort, Dario Diodato and Arjan Ruijs (2013), **Regional competitiveness and smart specialization in Europe. Place-based development in international economic networks**. *Edward Elgar*.

Dogaru, Teodora, Frank van Oort, Dario Diodato and Mark Thissen, **Agglomeration and knowledge in European regional growth**. In Derudder, Ben, Sven Conventz, Alain Thierstein and Frank Witlox (2013), **Hub cities in the knowledge economy: Seaports, airports, brainports**. *Routledge*.

TECHNICAL BACKGROUND PAPERS

Diodato, Dario (2018), **A Network-based Method to Harmonize Data Classifications**. *Papers in Evolutionary Economic Geography* No. 18.43.

Thissen, Mark, Maureen Lankhuizen; Frank van Oort, Bart Los, and Dario Diodato (2018), **EUREGIO: The Construction of a Global IO Database with Regional Detail for Europe for 2000–2010**. *Tinbergen Institute Discussion Paper 2018-084/VI*.

Thissen, Mark, Dario Diodato and Frank van Oort (2013), **Integrated Regional Europe: European Regional Trade Flows in 2000**. *PBL Netherlands Environmental Assessment Agency*.

Thissen, Mark, Dario Diodato and Frank van Oort (2013). **Integration and Convergence in Regional Europe: European Regional Trade Flows from 2000 to 2010**. *PBL Netherlands Environmental Assessment Agency*.

Thissen, Mark and Dario Diodato (2010), **Towards a New Economic Geography based Estimate of Cross-Hauling in Regional Supply and Use Tables**. *PBL Netherlands Environmental Assessment Agency*.

POLICY REPORTS

Diodato Dario, Pietro Moncada-Paternò-Castello, Francesco Rentocchini, Alexander Tübke (2022). **Industrial innovation for sustainable competitiveness: Science-for-policy insights**. Science for Policy Brief – Industrial Innovation & Dynamics Series. No. JRC128430.

Diodato, Dario, Pietro Moncada-Paternò-Castello, Francesco Rentocchini, Alexander Tübke (2021). **Industrial innovation for competitive sustainability - Science-to-policy evidence from the 8th European Conference on Corporate R&D and Innovation (CONCORDi 2021)**. Publications Office of the European Union, Luxembourg. ISBN 978-92-76-43376-7, No. JRC127197

Weterings, Anet, Olga Ivanova, Dario Diodato, Maureen Lankhuizen, Mark Thissen, Klara Schure, Robert Koelemeijer (2018) **Effecten van de Energietransitie op de Regionale Arbeidsmarkt – een Quickscan**. *PBL Netherlands Environmental Assessment Agency*.

Weterings, Anet, Dario Diodato, Martijn van den Berge (2013) **De Veerkracht van Regionale Arbeidsmarkten**. *PBL Netherlands Environmental Assessment Agency*.

Thissen, Mark, Arjan Ruijs, Frank van Oort and Dario Diodato (2011). **De Concurrentiepositie van Nederlandse Regio's**. *PBL Netherlands Environmental Assessment Agency*.

Diodato, Dario (2008), **Italiani nella Bay Area: Innovazione, Imprese e Istituzioni**. *Documenti e Studi. Italian Ministry of Foreign Affairs. Science and Technology Office, San Francisco (USA)*.

TEACHING

Lecture on economic complexity at Policies for Smart Specialisation (POLISS) summer school [PhD class]. *Bocconi University (Italy)*,

Lecture on economic policy [Bachelor class]. *Pavia University (Italy)*, 15 November, 2021

Lecture on economic policy at Oxford Summer School on Economics Networks. *Oxford University (UK)*, 25 June, 2021

Lecture on economic policy [Bachelor class]. *Utrecht University (The Netherlands)*, 17 June, 2021

Lecture series on development policies [Faculty class]. *Tecnológico de Monterrey (Mexico)*, July, 2018.

Course: Applied Economics Research [Bachelor class]. *Utrecht University (The Netherlands)*. Spring 2015.

PANELS AND ROUNDTABLES

Panel on Policy Research at UNU-Merit/Maastricht University. Maastricht (The Netherlands), 18 May 2022.

Panel on Smart Cities at the 35th Congreso Nacional de Estudiantes de Economía de Colombia. Medellín (Colombia), 15 October 2021

Panel on Smart Specialization at ProMIS Summer School 2021. Venice (Italy), 1 July 2021.

Workshop on trade and industrial dynamics at Nordic Institute for Studies in Innovation, Research and Education (NIFU). Oslo (Norway), 20-21 September 2018.

Roundtable on surveying irregular migrants in Europe at United Nations. Bonn (Germany) 19 March, 2018.

PRESENTATIONS AT SELECTED CONFERENCES AND SEMINARS

- Geography of Innovation Conference.** Milan (Italy), 4–6 July, 2022.
- Global Conference on Economic Geography.** Dublin (Ireland), 7–10 June, 2022
- Seminar at Catholic University of Milan,** Department of Economic Policy. Milan (Italy), 30 June, 2021.
- Workshop on Smart Specialisation for the recovery from COVID-19 economic crisis.** European Commission and European Committee of the Regions (Online), 15 April, 2021.
- Geography of Innovation Conference.** Stavanger (Norway), 29-31 January, 2020.
- Workshop on Migration, Globalization and the Knowledge Economy.** Utrecht (The Netherlands), 16-17 May, 2019.
- Urban Economics Association (UEA) Meeting.** New York (USA), 12-13 October, 2018. (also discussant).
- American Association of Geographers (AAG) Conference.** New Orleans (USA), 10-14 April, 2018.
- Seminar of Media Lab's Collective Learning at MIT.** Cambridge (MA, USA), 6 March, 2018.
- Geography of Innovation Conference.** Barcelona (Spain), 31 January – 2 February, 2018.
- NBER Productivity Seminar.** Cambridge (MA, USA), 12 September, 2017.
- Regional Studies Association (RSA) Conference.** Dublin (Ireland), 4-7 June, 2017. (also discussant and special session organizer).
- American Association of Geographers (AAG) Conference.** Boston (USA), 5-9 April, 2017.
- Geography of Innovation Conference.** Toulouse (France), 28-30 January, 2016.
- Royal Economic Society PhD Conference.** London (UK), 8-9 January, 2016.
- VPDE-BRICK workshop at Collegio Carlo Alberto.** Turin (Italy), 29-30 January, 2015. (also discussant).
- DRUID Academy.** Aalborg (Denmark), 21–23 January, 2015. (also discussant).
- Growth Lab Seminar at Harvard University.** Cambridge (MA, USA), 8 December, 2014.
- Workshop on Industrial Relatedness and Regional Growth at Utrecht University.** Utrecht (The Netherlands), 9 September, 2014.
- European Regional Science Association (ERSA) Congress.** Palermo (Italy), 27–31 August, 2013.
- Regional Studies Association (RSA) Early Career Conference.** Hamburg (Germany), 1–2 November, 2012.
- Regional Studies Association (RSA) Conference.** Delft (The Netherlands), 11–16 May, 2012.

EDITOR AND REFEREE

Editor. Guest editor with Pierre-Alex Balland, Tom Broekel, Elisa Giuliani, Ricardo Hausmann, Neave O'Clery, and David Rigby: Special Issue on Economic Complexity – *Research Policy* (in print). Guest editor with Sara Amoroso, Bronwyn Hall, and Pietro Moncada Paternò Castello: Special Issue on Technological Relatedness and Industrial Transformation – *Journal of Technology Transfer* (in print). Guest editor with Elena Huergo Orejas, Pietro Moncada Paternò Castello, Francesco Rentocchini and Bram Timmermans: Special Issue on Digital and green transition – *Industry and Innovation* (in preparation).

Referee. *Research Policy*, *Journal of Economic Geography*, *Economic Geography*, *Regional Studies*, *Journal of Evolutionary Economics*, *Journal of Regional Science*, *Science Advances*, *Industrial and Corporate Change*, *Structural Change and Economic Dynamics*, *Italian Economic Journal*.

ORGANIZATIONAL ACTIVITIES

Seminar series: bi-monthly seminar on Industrial Innovation and Dynamics at the Joint Research Centre, Seville (Spring 2022, Fall 2022). With Clemens Domnick.

Conference: European Conference on Corporate R&D and Innovation (CONCORDi, online, November 2022). With Sara Amoroso, Nicola Grassano, Pietro Moncada-Paternò-Castello, Francesco Rentocchini.

Workshop: 1st JRC Workshop Economic Complexity to Inform Policy (online, June 2020). With Emanuele Pugliese and Andrea Tacchella

Seminar series: weakly Growth Lab Seminar at the Center for International Development, Harvard University (Fall 2018). With Andres Gomez.

Workshop series on Python and Machine Learning: weakly workshop at the Center for International Development, Harvard University (Spring 2018, Fall 2018). With Andres Gomez.

Workshop on the future of production. Involved parties: World Economic Forum, Prof. Erik Brynjolfsson (MIT), Prof. Ricardo Hausmann (Harvard). At Center for International Development, Harvard (Cambridge, June 2018).

Conference special session on *Economic networks: A complex systems approach to the study of urban and regional dynamics*. Regional Studies Association Conference (Dublin, June 2017). With Neave O'Clery.

Conference: Geography of Innovation (Utrecht, January 2014). With Pierre-Alex Balland, Ron Boschma, Riccardo Cappelli, Gianluca Capone, Koen Frenken, Matté Hartog, Andrea Morrison, Frank van Oort, Sergio Petralia.

LANGUAGES

Italian: mother tongue. **English:** fluent. **Spanish:** fair. **French:** fair. **Dutch:** fair.

COMPUTER SKILLS

Stata, Python, GAMS, SAS, Ruby.

28 September 2022