

Paola Rocchi

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References

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Department of Applied
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Research interests

Environmental Economics, Applied Economics.

Current position

2023- Research position at European Institute on Economics and the Environment (EIEE), CMCC, Milan, Italy.

Previous position

- 2017-2023 Research position at the Joint Research Centre (JRC), European Commission. From 2017 to 2021 at the Circular Economy and Industrial Leadership Unit, Seville, Spain. From 2021 at the Knowledge for Finance, Innovation and Growth Unit, Ispra, Italy.
- 2019-2021 Teaching: Introduction to the EU. Lecture "Environmental protection in the EU", Course EUCONAS (Teaching language: English). Universitat Autònoma de Barcelona, Barcelona, Spain.
- 2016 Teaching: Microeconomics (Teaching language: Spanish). Universitat de Barcelona, Barcelona, Spain.
- 2011-2016 Teaching: International Economics (Teaching language: English). Fundació Universitat Autònoma de Barcelona Study Abroad, Barcelona, Spain.
- 2011-2012 Teaching: International Monetary and Financial Economics (Teaching language: English). ALBA Study Abroad, Barcelona, Spain.

Education

- 2012-2015 PhD in Economics, Cum Laude. *Universitat de Barcelona*, Department of Economic Theory. Thesis title: Essays on atmospheric emissions and environmental policy. Supervisors: Mònica Serrano Gutiérrez, Jordi Roca Jusmet.
- 2008-2010 M.A. in Applied Economics. 8.65/10. *Universitat Autònoma de Barcelona*, Department of Applied Economics. Master thesis title: Environmental structural decomposition analysis of Italian emissions, 1995-2005. Supervisor: Mònica Serrano Gutiérrez.
- 2004-2007 M.A. in Economics, Cum Laude. *Alma Mater Studiorum* (University of Bologna), Department of Economics. Thesis title: The Economic Development of Kosovo between Serbia and European Union. Supervisor: Vera Negri Zamagni.
- 2001-2004 B.A. in Cooperation and International Development. 108/110. *Alma Mater Studiorum* (University of Bologna), Department of Political Science. Thesis title: Europe and ACP Country, the Cotonou Agreement. Supervisor: Anna Maria Gentili.

International courses:

- 2011 Summer School in Applied Macroeconomics, University of Salento, Lecce, Italy.
- 2009 V Summer School In Public Economics, Georgia State University, Atlanta, USA. Scholarship from Rafael del Pino foundation and Economic and Public Finance Ministry (Spain).

Publications

- Albizzati, P., Rocchi, P., Cai, M., Tonini, D. Astrup, T.F., 2022. Rebound effects of food waste prevention: environmental impacts. *Waste Management*, 153, 138-146.
- Barbero J., Christensen M., Rocchi, P., 2022, The Economic benefits of eliminating the regulatory restrictiveness of heavily regulated business services in the European Union. *Scienze Regionali*, 21, 101-128.
- Rocchi, P., Rueda-Cantuche, J.M., Boyano, A., Villanueva, A., 2019. Macroeconomic Effects of EU Energy Efficiency Regulations on Household Dishwashers, Washing Machines and Washer Dryers. *Energies*, 12, 4312.
- Rocchi, P., Serrano, M., Roca, J., Arto, I., 2018. Border carbon adjustment based on avoided emissions: Addressing the challenge of its design. *Ecological Economics*, 145, 126-136.
- Rocchi, P., Serrano, M., Roca, J., 2014. The reform of the European energy tax directive: Exploring potential economic impacts in the EU27. *Energy Policy*, 75, 341-353.

Book chapters:

- Rocchi, P., Valderas Jaramillo, J.-M., 2022, Spain. In: J. Murray, A. Owen, M. Simas & A. Malik (eds) *A Triple Bottom Line Analysis of Global Consumption: Economic, Environmental, and Social Effects of Pre-Pandemic World Trade 1990–2015*, ch. 20. Singapore: Pan Stanford Publishing Pte. Ltd.
- Roca, J., Rocchi, P., Serrano, M., 2018, Paris-COP21 and carbon pricing: coordination challenges and carbon border measures. The case of the EU. In: D. Dejuán, M. Lenzen & M.A. Cadarso (eds.), *Environmental and Economic Impacts of Decarbonization: Input-output studies on the consequences of the 2015 Paris Agreements*, ch. 15, 313-334. Florence: Routledge.

Technical reports:

- Cai, M., Cardani, R., Pataracchia, B., Pericoli, F., Ratto, M., Rocchi, P., Rueda Cantuche J.-M., 2019. Modelling the macroeconomic impact of competition policy: Update and further development 2017-2019. EUR 29620 EN, Publications Office of the European Union, Luxembourg, JRC114191.
- Christensen, M., Barbero, J., Rocchi, P., Conte, A., Marschinski, R., Salotti, S., 2019. Economic modelling for the single market performance report 2019. Territorial Development Insights Series, JRC118689, European Commission.
- Rocchi, P., Reynes, F., Hu, J., Pedauga, L., Cai, M., Boonman, H. & Rueda Cantuche, J.M., 2025. FIDELIO Manual: Model description, equations, data sources and econometric estimations, Publications Office of the European Union, Luxembourg. <https://data.europa.eu/doi/10.2760/1241946>, JRC141957.
- Rocchi, P., Salotti, S., Reynès, F., Hu, J., Bulavskaya, T., Rueda Cantuche, J.M., Valderas Jaramillo, J.M., Velázquez Afonso, A., Amores, A.F., Corsatea, T., 2019. FIDELIO 3 manual: Equations and data sources. EUR 29620 EN, Publications Office of the European Union, Luxembourg, ISBN 978-92-79-98872-1, doi:10.2760/219417, JRC115308.
- Salotti, S., Rocchi, P., Rueda-Cantuche, J.M., Arto, I., 2019. Macroeconomic effects of US tariffs on steel and aluminium: who would pay the bill?, EUR 29769 EN, Publications Office of the European Union, Luxembourg, ISBN 978-92-76-08299-6, doi:10.2760/387494, JRC112036.

Working papers:

- Amores, F. A., Bolívar, a., Bouwmeester, M. C., Martins-Ferreira, P., Remond-Tiedrez, I., Rocchi, P., Román, M. V., Rueda-Cantuche, J. M., Stehrer, R., Valderas-Jaramillo, J. M., Velázquez, A., 2019. EU inter-county supply, use and input-output tables — Full international and global accounts for research in input-output analysis (FIGARO). I. Remond-Tiedrez, J. M. Rueda-Cantuche (eds.), Eurostat statistical working papers, Publications Office of the European Union, Luxembourg, ISBN 978-92-76-00806-4, doi:10.2785/385561.
- Rocchi, P., Arto, I., Roca, J., Serrano, M., 2015. Carbon-motivated border tax adjustment. A proposal for the EU. *Working papers in Economics*, E15/327, Universitat de Barcelona.
- Rocchi, P., Serrano, M., Roca, J., 2013, The effect of the European tax directive reform on prices in Europe. *Working papers in Economics*, E13/295, Universitat de Barcelona.
- Rocchi, P., Serrano, M., 2011, The reform of the European Energy tax directive: Does data disaggregation matter? The Italian case. *Working papers in Economics*, E15/330, Universitat de Barcelona.
- Rocchi, P., Serrano, M., 2011, Environmental structural decomposition analysis of Italian emissions, 1995-2005. *Working papers in Economics*, E11/267, Universitat de Barcelona.

Congresses presentations

- 2024 Presentation of the paper “Expanding carbon pricing boundaries and the EU CBAM: insights into China and India” to the VII IAMC Annual Meeting, Seoul, South Korea.
- 2024 Presentation of the paper “Expanding carbon pricing boundaries and the EU CBAM: insights into China and India” to the 10th Conference on Input-Output Analysis, Gijón, Spain.
- 2019 Presentation of the paper “Macroeconomic Effects of EU Energy Efficiency Regulations on Household Dishwashers, Washing Machines and Washer Dryers” to the I EU Conference Modelling for Policy, Brussels, Belgium.
- 2019 Presentation of the technical report “Macroeconomic effects of US tariffs on steel and aluminium: who would pay the bill?” to the II HREAL WORKSHOP, Seville, Spain.
- 2018 Presentation of the technical report “Macroeconomic effects of US tariffs on steel and aluminium: who would pay the bill?” to the 1st Annual Gathering of the Community of Practice on Modelling, Ispra, Italy.
- 2016 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the XLI Symposium Of the Spanish Economic Association, Bilbao, Spain.
- 2016 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the Florence School of Regulation Climate Conference, Firenze, Italy.
- 2016 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the IV Workshop in Industrial and Public Economics, Reus, Spain.
- 2015 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the VI Spanish Conference of Input-Output Analysis, Barcelona, Spain.
- 2015 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the XXII International Input-Output Conference, Ciudad de Mexico, Mexico.
- 2015 Presentation of the working paper “Carbon-motivated border tax adjustment. A proposal for the EU” to the XI Biennial Conference of the European Society for Ecological Economics, Leeds, UK.
- 2013 Presentation of the working paper “The Effect of the European Tax Directive Reform on Prices in Europe” to the V Spanish Conference of Input-Output Analysis, Sevilla, Spain.
- 2013 Presentation of the working paper “The Effect of the European Tax Directive Reform on Prices in Europe” to the XXI International Input Output Conference, Kitakyushu, Japan.
- 2013 Presentation of the working paper “The Effect of the European Tax Directive Reform on Prices in Europe” to the XVI Applied Economics Meeting, Granada, Spain.
- 2011 Presentation of the working paper “Environmental Structural Decomposition Analysis of Italian Emissions, 1995-2005” to the I Encuentro de la Asociación de Economía Ecológica en España, Barcelona, Spain.
- 2011 Presentation of the working paper “Environmental Structural Decomposition Analysis of Italian Emissions, 1995-2005” to the IV Spanish Conference of Input-Output Analysis, Madrid, Spain.

Related professional experience

- 2015 Local organizing committee at the VI Spanish Conference of Input-Output Analysis, *University of Barcelona*, Barcelona, Spain.
- 2013 Research assistant: Survey on Business Strategy, panel data updating. *University of Barcelona*, Barcelona, Spain.
- 2010-2011 Research assistant: Entrepreneurship and Business Models. *IESE Business School*, Barcelona, Spain.
- 2003 Research assistant: European Programs Implementation of Economic Development for ACP countries (University Training Period). *Economisti Associati*, Bologna, Italy.

Participation in projects

- Universitat Loyola (Seville), participation to the research team “Research in Applied and Computational Macroeconomics”.
- Universitat Autònoma de Barcelona, “Actividad económica y emisiones de gases de efecto invernadero” (Main researcher: Emilio Padilla Rosa), ECO2012-34591 *Ministerio de Economía y Competitividad*.
- Universitat de Barcelona, “Economia, energia i pressions ambientals” (Main researcher: Jordi Roca Jusmet), SGR 950, *Agència de Gestió d'Ajuts Universitaris i de Recerca*.

Language knowledge

	Oral Comprehension	Written Comprehension	Oral Expression	Written Expression
Italian	Native	Native	Native	Native
Spanish	Good	Good	Good	Good
Catalan	Regular	Regular	Basic	Basic
French	Good	Good	Basic	Regular
English	Good	Good	Good	Good

Other skills

Quantitative and informatics skills	Computing Language: GAMS, Matlab, Latex. Statistical software: Microfit, Eviews, Stata. Applicative Tools: Office, Access, SAP.
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