

Elena Paglialunga

Personal information

Place and date of birth: Fabriano (Italy), 7 September 1985

Work Address: Department of Economics - University of Roma Tre, Via Silvio D'Amico, 77, 00145 Roma (Italy)

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[Website](#)



Academic Appointments

Current Position

Associate Professor of Economic Policy (SECS-P/02, 13/A2), Department of Economics, University of Roma Tre (Italy), from November 2023.

Past Positions

Associate Professor of Applied Economics (SECS-P/06, 13/A4), Department of Economics, Society, Politics, University of Urbino 'Carlo Bo' (Italy), December 2022 – October 2023.

Assistant Professor (tenure track, RTD-B) of Applied Economics (SECS-P/06, 13/A4), Department of Economics, Society, Politics, University of Urbino 'Carlo Bo' (Italy), December 2019 - November 2022.

Post-doctoral researcher (SECS-P/02, 13/A2), Department of Economics, University of Roma Tre (Italy), Project: "Integrated assessment of climate, energy and innovation policies in the European Union", June 2017 - November 2019.

Post-doctoral researcher (SECS-P/02, 13/A2), Department of Economics, University of Roma Tre (Italy), Project: "Smart Environments – Development of an economic-energy model for the Assessment of policies in support of new clean energy technologies", June 2016 - May 2017.

Post-doctoral researcher (SECS-P/02, 13/A2), Department of Economics, University of Roma Tre (Italy), Project: "Applied models for the analysis of public policies for environmental and energy improvement", February 2015 - January 2016.

Editorial Positions

Advisory Board of [Journal of Industrial and Business Economics](#).

Lead Guest Editor for the [Special Issue "Natural hazards, human disasters: economics and policy of extreme events"](#), [Italian Economic Journal](#).

Other Positions

Ordinary Member Elected of the Council (2024-2027) of the Italian Association of Environmental and Resources Economists ([IAERE](#)).

Research associate at the inter-university Research Centre on Sustainability Environmental Economics and Dynamics Studies ([SEEDS](#)).

Member of the Faculty Board of the [PhD in Global Studies - Economy, Society and Law, University of Urbino](#).

Member of the Faculty of the [National Ph.D. programme in Sustainable Development and Climate change](#).

Member of the Italian Association of Environmental and Resource Economists ([IAERE](#)), European Association of Environmental and Resource Economists ([EAERE](#)), Società Italiana di Economia ([SIE](#)).

Member of [Rete delle Università per la Pace](#) (Department of Economics, University of Roma Tre).

Education

Ph.D. in Environmental and Development Economics (Scuola Dottorale in Economia e Metodi Quantitativi), Department of Economics, University of Roma Tre, January 2012 - June 2015.

Dissertation: “Energy substitution by sector: technological flexibility and the impact of mitigation policy”; Supervisor: Valeria Costantini (University of Roma Tre); co-supervisors: Alessandro Antimiani (EC), Simone Borghesi (University of Siena), Francesco Crespi (University of Roma Tre).

M.Sc (Laurea Magistrale) in Environment and Development Economics, University of di Roma Tre, School of Economics, September 2008 - December 2010, mark: 110/110 *cum laude*.

Bachelor (Laurea triennale) in Economics and Business Management, La Sapienza University of Rome (Italy), September 2004 - February 2008.

Erasmus programme University of Hertfordshire (Hatfield, UK), September 2006 - February 2007.

Advanced Courses and Summer/Winter Schools

SIDE Summer School 2019 “Machine Learning Algorithms for Econometricians”, Società Italiana di Econometria, Bertinoro (Italy), July 2019.

Eu-SPRI Summer School 2019 “Tools and methods for analysing complex Science, Technology and Innovation systems: A gentle introduction to Machine Learning, Network Science and Text Mining”, IRCrES-CNR, Rome (Italy), July 2019.

1st Naples Summer School “Spatial Econometrics & Statistics”, University of Naples Parthenope, Naples (Italy), June 2019.

BC3-EHU/UPV Summer School “Climate risk and the future of international climate policy”, Bilbao (Spain), July 2018.

Workshop “Accounting for life-cycle emissions in analysis of future energy systems”, EmInn project, UCL Energy Institute and European Commission, London (UK), November 2014.

GSE Summer School “Panel Data Linear Analysis” and “Dynamic and Non-Linear Panel Data Models”, Barcelona (Spain), July 2013.

Advanced Course “Spatial data analysis”, La Sapienza University of Rome (Italy), June 2013.

Advanced courses Centro Interuniversitario Di Econometria (CIDE) “Panel data econometrics: theory and applications” and “Policy Evaluation: from Reduced Form to Structural Form Analysis”, Bertinoro (Italy), August - September 2012.

EAEPE Summer School “Institutions for a better development after the financial crisis”, European Association for Evolutionary Political Economy (EAEPE), University of Roma Tre, July 2012.

Advanced course “Innovation, Growth and international production: Models and Data analysis”, Università di Urbino "Carlo Bo", La Sapienza University of Rome (joint with Università Politecnica delle Marche and University of Roma Tre), Rome, May 2011.

Visiting Scholar Programs

Visiting researcher at BAFFI CAREFIN (Centre for Applied Research on International Markets, Banking, Finance and Regulation) - Unit Laboratory for Analytical Economics (LAE), Bocconi University (Milan, Italy), January-February 2023.

Visiting Research Scholar at Science Policy Research Unit (SPRU), University of Sussex (Brighton, UK), September-November 2018.

Visiting Research Scholar at the Basque Centre for Climate Change (BC3, Bilbao, Spain), February-June 2018.

Awards and Honors

Best Paper Award for Young Scholar, 13th European Network on the Economics of the Firm (ENEF) meeting “Firms, technology and the quest for sustainable development”. Collegio Carlo Alberto, Turin (Italy), 15-16 September 2016.

National Scientific Qualification (ASN):

Full Professor (2023-2034): Economic Policy (13/A2) and Applied Economics (13/A4).

Associate Professor (2019-2030): Economic Policy (13/A2) and Applied Economics (13/A4).

Teaching***Ph.D. Courses***

“Global Sustainability and Environment”, PhD in Global Studies - Economy, Society and Law, University of Urbino, Academic Year 2023-2024; 2021-2022 (10 hours, language: English).

“Spatial econometrics”, PhD Programme in Economics, Department of Economics, Roma Tre University, Academic Year 2024; 2022-2023 (10 hours, in English).

“Applied Statistics”, PhD Programme in Global Studies, University of Urbino, Academic Years 2021-2022; 2019-2020 (10 hours, language: English).

“Environmental Economics and Geography”, PhD Programme in Regional Science and Economic Geography, Gran Sasso Science Institute, Academic Year 2021-2022; 2020-2021 (10 hours, language: English).

Master Courses

“Socio-ecological accounting metrics and modelling” (SECS-P/02), Degree: Economics (LM-56), University of Roma Tre, Academic Year 2024-2025 (20 hours, 3 CFU, language: English).

“Energy and Resource Economics” (SECS-P/06), Degree: Green Industrial Engineering (LM-30), interuniversity course Marche Polytechnic University in cooperation with the University of Urbino Carlo Bo, Academic Year 2023-2024 (48 hours, 6 CFU, language: English).

“Political Economy” (SECS-P/01), Degrees: Economics and Management (LM-77); Marketing and Business Communication (LM-77), University of Urbino Carlo Bo, Academic Years 2021-2022; 2020-2021 (48 hours, 8 CFU, language: Italian).

“Quantitative Methods Lab” (SECS-S/05), Degree: Environment and Development Economics (LM-56), University of Roma Tre, Academic Years 2019-2020, 2018-2019 (20 hours, 3 CFU, language: English).

“Energy Economics and Climate Change Policy” (SECS-P/02), Degree: Environment and Development Economics (LM-56), University of Roma Tre, Academic Year 2014-2015 (30 hours, language: English).

Undergraduate Courses

“Economia dell’ambiente” (SECS-P/02), Degrees: L-33 - Economia; University of Roma Tre, Academic Years 2024-2025; (60 hours, 9 CFU, language: Italian).

“Economia Politica” (SECS-P/01), Degrees: L-18 - Economia e gestione aziendale; University of Roma Tre, Academic Years 2024-2025; (66 hours, 10 CFU, language: Italian).

“Economic Policy” (SECS-P/02), Degree: Economics and business administration (L-18), University of Roma Tre, Academic Year 2023-2024, 2018-2019 (Lecturer 20 hours, 3 CFU; Teaching assistant 40 hours, language: Italian).

“Regional Economics” (SECS-P/06), Degree: Economics and Management (L-18), University of Urbino Carlo Bo, Academic Year 2023-2024; 2022-2023; 2021-2022; 2020-2021 (48 hours, 8 CFU, language: Italian).

“Microeconomics” (SECS-P/01), Degree: Economics and Management (L-18), University of Urbino Carlo Bo, Academic Year 2019-2020 (48 hours, 8 CFU, language: Italian).

“Environmental Economics” (SECS-P/02), Degree: Economics (L-33), University of Roma Tre, Academic Years 2017-2018; 2015-2016; 2014-2015 (Lecturer 30 hours, Teaching assistant 40 hours, language: Italian).

Teaching assistant: Energy Economics and Climate Change Policy, Economia dell'ambiente, Economia dello Sviluppo, University of Roma Tre, Academic Years 2017-2018; 2015-2016; 2014-2015.

Other Courses

“Economia della transizione ecologica”, Master in “Impresa Cooperativa: economia, diritto e management”, Department of Economics, University of Roma Tre A.A. 2024-2025 (10 hours).

“Sviluppo sostenibile e economia circolare”, Master in “Economia dell'interdipendenza: metodologie di analisi, governo e insegnamento”, Department of Political Science, University of Roma Tre A.A. 2024-2025 (24 hours).

“The effect of climate change on armed conflicts: temporal dynamics and geographical spillovers”, Summer School “Roots of War and Establishment of a Lasting Peace”, European Centre of Peace Science, Integration and Cooperation (CESPIC) and the Catholic University "Our Lady of Good Counsel" (Tirana), 3-10 September 2024.

“Dynamic and Spatial Modelling for Environmental Economics”, 6th IAERE School, University of Urbino, SEEDS, University of Urbino (Italy), 11-15 July 2022 (Faculty, Scientific and Organizing committee).

“Innovation, Growth and International Production. Models and Data Analysis”, Advanced Course organised by Sapienza University of Rome, University of Urbino Carlo Bo, Scuola Normale Superiore (Editions 2021, 2022).

“Computable General Equilibrium Models for Environmental Assessment”, 1st IAERE School, Centre for Research on Energy and Environmental Economics and Policy (IEFE), Bocconi University, Milan (Italy), 26-29 September 2016.

Publications

Journals articles

Relatio sine qua non. Exploring interconnectedness in sustainable development (with V. Costantini and A. Zanoni), 2025, *Economics and Business Letters*, 14(1), 11-23 (Open Access). DOI: <https://doi.org/10.17811/eb1.14.1.2025.11-23>.

Knowledge spillovers through skilled-workers migration network: evidence from OECD countries (with S. Barabuffi, V. Costantini and V. Leone Sciabolazza), 2025, *Industry and innovation*, 1-31. DOI: <https://doi.org/10.1080/13662716.2025.2451398> (Fascia A).

Carbon border adjustments and climate clubs: an ex-ante evaluation of the effects on agriculture in Africa (with F. Calciolari, V. Costantini, M. D'Angeli), 2025, *The World Economy*, 48(1), 119-152 DOI: <http://doi.org/10.1111/twec.13643> (Fascia A).

Forecasting the climate-conflict risk in Africa along climate-related scenarios and multiple socio-economic drivers (with C. Conigliani, V. Costantini and A. Tancredi), 2024, *Economic Modelling*. DOI: <https://doi.org/10.1016/j.econmod.2024.106911> (Fascia A). [Slide Workshop Univ. Cattolica 2023].

Sustainable energy transition, knowledge co-creation and trade: the case of EU residential energy efficiency (with C. Lodi), 2024, *Economics of Innovation and New Technology*. DOI: <https://doi.org/10.1080/10438599.2024.2413472> (Fascia A).

Global value chains and within-country inequality: the role of functional positioning, (with A. Coveri and A. Zanfei), 2024, *Structural Change and Economic Dynamics*, 70, 382-397. DOI: <https://doi.org/10.1016/j.strueco.2024.05.001> (Fascia A). Previous version: [WP-EMS #2023/2](#). [SSRN](#).

Local sources of vulnerability to climate change and armed conflicts in East Africa (with F. Cappelli, V. Costantini, M. D'Angeli and G. Marin), 2024, *Journal of Environmental Management*, 355, 120403. DOI: <https://doi.org/10.1016/j.jenvman.2024.120403> (Fascia A).

An Econometric Analysis of the Energy-Saving Performance of the Italian Plastic Manufacturing Sector (with V. Costantini, M. D'Angeli, M. Mancini, C. Martini), 2024, *Energies*, 17(4), 811. DOI: [10.3390/en17040811](https://doi.org/10.3390/en17040811).

Domanda di competenze e transizione ecologica (with V. Costantini, G. Marin and J. Napierala), 2023, *Rivista di Politica Economica*, 1-2023. Available at: <https://tinyurl.com/2dc8jvnt>

- Fossil fuels subsidy removal and the EU carbon neutrality policy (with A. Antimiani and V. Costantini), 2023, *Energy Economics*, 119, 106524. DOI: [10.1016/j.eneco.2023.106524](https://doi.org/10.1016/j.eneco.2023.106524) (Fascia A).
- We're in this together: sustainable energy and economic competitiveness in the EU (with V. Costantini and D. Consoli), 2023, *Research Policy*, 52(1), 104644. DOI: [10.1016/j.respol.2022.104644](https://doi.org/10.1016/j.respol.2022.104644) (Fascia A).
- Climate change and within-country inequality: new evidence from a global perspective (with A. Coveri, A. Zanfei), 2022, *World Development*, 159, 106030. DOI: [10.1016/j.worlddev.2022.106030](https://doi.org/10.1016/j.worlddev.2022.106030) (Fascia A).
- Climate change and armed conflicts in Africa: persistence and propagation over time and space (with F. Cappelli, D. Consoli, C. Conigliani, V. Costantini), 2022, *Economia Politica - Journal of Analytical and Institutional Economics*, 40, 517–560. DOI: [10.1007/s40888-022-00271-x](https://doi.org/10.1007/s40888-022-00271-x) (Fascia A).
- Network-driven positive externalities in clean energy technology production: The case of energy efficiency in the EU residential sector (with Valeria Costantini and Valerio Leone Sciabolazza), 2022, *Journal of Technological Transfer*, 48, 716–748. DOI: [10.1007/s10961-022-09928-y](https://doi.org/10.1007/s10961-022-09928-y) (Fascia A).
- Controllo delle emissioni climalteranti e catene globali del valore (with V. Costantini, I. Fusacchia and L. Salvatici), 2021, *Rivista di Politica Economica*, 1. Available at: <https://tinyurl.com/va8s36ba>.
- Le politiche per la sicurezza alimentare e la sostenibilità nel contesto europeo e degli accordi commerciali internazionali (with N. Giannelli and F. Turato), 2021, *Argomenti*, 18. Available at: <https://tinyurl.com/zkuuys4t>.
- Modelling the EU sustainability transition: a soft-linking approach (with A. Bassi and V. Costantini), 2021, *Sustainability*, 13, 6303. DOI: [10.3390/su13116303](https://doi.org/10.3390/su13116303).
- Climate cooperation from Kyoto to Paris: What can be learnt from the CDM experience? (with A. Mele and G. Sforna), 2021, *Socio-Economic Planning Sciences*, 75, 100942. DOI: [10.1016/j.seps.2020.100942](https://doi.org/10.1016/j.seps.2020.100942) (Fascia A).
- Do spatial interactions fuel the climate-conflict vicious cycle? The case of the African continent (with V. Costantini, F. Cappelli, C. Conigliani, K. Lelo, A. Markandya, G. Sforna), 2020, *Journal of Spatial Econometrics*, 1, 1-52. DOI: [10.1007/s43071-020-00007-8](https://doi.org/10.1007/s43071-020-00007-8).
- System transition and structural change processes in the energy efficiency of residential sector: evidence from EU countries (with V. Costantini, F. Crespi and G. Sforna), 2020, *Structural Change and Economic Dynamics*, 53, 309-329. DOI: [10.1016/j.strueco.2019.05.001](https://doi.org/10.1016/j.strueco.2019.05.001) (Fascia A). Previous version: SPRU Working Paper Series (SWPS), 2018-03: 1-43.
- Capital-energy substitutability in manufacturing sectors: methodological and policy implications (with V. Costantini and F. Crespi), 2019, *Eurasian Business Review*, 9 (2), 157-182. DOI: [10.1007/s40821-018-0114-z](https://doi.org/10.1007/s40821-018-0114-z) (Fascia A). Previous version: SEEDS Working Paper, 13/2014.
- Impact and distribution of climatic damages: a methodological proposal with a dynamic CGE model applied to global climate negotiations (with V. Costantini, A. Markandya and G. Sforna), 2018, *Economia Politica - Journal of Analytical and Institutional Economics*, 35 (3), 809-843. DOI: [10.1007/s40888-018-0129-z](https://doi.org/10.1007/s40888-018-0129-z) (Fascia A).
- A dynamic assessment of instrument interaction and timing alternatives in the EU low-carbon policy mix design (with M. Corradini, V. Costantini, A. Markandya and G. Sforna), 2018, *Energy Policy*, 120, 73-84. DOI: [10.1016/j.enpol.2018.04.068](https://doi.org/10.1016/j.enpol.2018.04.068) (Fascia A).
- The employment impact of private and public actions for energy efficiency: evidence from European industries (with V. Costantini and F. Crespi), 2018, *Energy Policy*, 119, 250-267. DOI: [10.1016/j.enpol.2018.04.035](https://doi.org/10.1016/j.enpol.2018.04.035) (Fascia A).
- The Green Climate Fund as an effective compensatory mechanism in global climate negotiations (with A. Antimiani, V. Costantini, A. Markandya and G. Sforna), 2017, *Environmental Science and Policy*, 77, 49-68. DOI: [10.1016/j.envsci.2017.07.015](https://doi.org/10.1016/j.envsci.2017.07.015) (Fascia A).
- Eco-innovation, sustainable supply chains and environmental performance in European industries (with V. Costantini, F. Crespi and G. Marin), 2017, *Journal of Cleaner Production*, 155 (2), 141-154. DOI: [10.1016/j.jclepro.2016.09.038](https://doi.org/10.1016/j.jclepro.2016.09.038) (Fascia A). Previous version: ISI Growth Working Paper 14/2016.

Mitigation of adverse effects on competitiveness and leakage of unilateral EU climate policy: An assessment of policy instruments (with A. Antimiani, V. Costantini and O. Kuik), 2016, *Ecological Economics*, 128, 246-259. DOI: [10.1016/j.ecolecon.2016.05.003](https://doi.org/10.1016/j.ecolecon.2016.05.003) (Fascia A). Previous version: SEEDS Working Paper 9/2015.

The sensitivity of climate-economy CGE models to energy-related elasticity parameters: Implications for climate policy design (with A. Antimiani and V. Costantini), 2015, *Economic Modelling*, 51, 38–52. DOI: [10.1016/j.econmod.2015.07.015](https://doi.org/10.1016/j.econmod.2015.07.015) (Fascia A). Previous version: SEEDS Working Paper 5/2015.

L'efficienza energetica e l'elasticità di sostituzione, 2012, *QA - Rivista dell'Associazione Rossi-Doria*, 3, 67-103.

Books

International trade and climate change. Part of the problem or part of the solution? (with F. Cappelli, D. Consoli, V. Costantini, I. Fusacchia, G. Marin, C. Nardi, and L. Salvatici). Roma: Roma Tre-Press (2021). Available at: <https://tinyurl.com/2ecyfade>.

Book Chapters

Assessing Value Capture in GVCs: Conceptual Issues and Evidence at the Country Level (with A. Coveri and A. Zanfei). In: Lee et al. (eds.), *Inequality, Geography and Global Value Chains*, The Academy of International Business (2023). ISBN: 9783031240898.

Emergenza climatica e conflitti armati. In: *Atlante Geopolitico 2022*, Istituto della Enciclopedia Italiana Treccani (2022). ISBN: 8812010210.

Global and Regional Economic Damages from Climate Change (with A. Markandya, V. Costantini and G. Sforza). In: *The Oxford Encyclopedia of Environmental Economics*. Oxford University Press (2022). ISBN: 9780190631918.

The climate-conflicts nexus and the role of geographical spillovers (with F. Cappelli, V. Costantini, G. Sforza and A. Markandya). In: Markandya A., Rübhelke D. (Eds.) *Climate and Development*, World Scientific Series on Environmental, Energy and Climate Economics: Volume 1 (2021). ISBN: 978-981-124-054-6. DOI: [10.1142/9789811240553_0008](https://doi.org/10.1142/9789811240553_0008).

Diffusion pathways of eco-innovations in global supply chains (with V. Costantini, F. Crespi and G. Marin). In: Austrian National Bank and Austrian Federal Economic Chamber Annual Report on International Trade: International Trade and Sustainable Development (2020). ISBN: 978-3-7089-2013-9.

Sviluppo di un modello GTAP economico-energetico per la valutazione di politiche di sostegno delle nuove tecnologie pulite in campo energetico (with V. Costantini and G. Sforza), in *Smart Environments- Valorizzazione della ricerca e crescita del territorio negli ambienti intelligenti*, Roma: RomaTre Press (2018).

The challenge of hydropower as a sustainable development alternative. Benefits and controversial effects in the case of the Brazilian Amazon (with N. Caravaggio, V. Costantini, M. Iorio and S. Monni). In: *Inequality and Uneven development in the Post-crisis world*, Routledge Advances in Heterodox Economics (2017). ISBN: 978-1138229563.

Technical Reports

Environmental and socioeconomic consequences of the war and the green industrial recovery programme in Ukraine: Evidence from NICE (with G. Marin), United Nations Industrial Development Organization (UNIDO) Background Paper for “UNIDO UKRAINE - INDUSTRIAL COUNTRY DIAGNOSTICS 2023”.

Chief Economist Note on EU trade and climate policy. PROJECT: Trade and climate change: an energy-economic modelling approach, Service contract no. SI2.819836 – DG TRADE-CRES.

Ukraine: Building climate resilience in agriculture and forestry (2021). World Bank Group Final Report of the project: “Understanding the impacts, managing risks, and exploring new opportunities from climate change in Ukraine”.

The sun also rises: Policy instruments to mitigate the adverse effects on competitiveness and leakage (with A. Antimiani, V. Costantini, O. Kuik, F. Branger and P. Quirion), 2015, Deliverable 5.3b, WP5, CECILIA2050 Research Project.

Sviluppo di una metodologia per la valutazione dell'impatto occupazionale per interventi di efficienza energetica nella green economy (with V. Costantini, F. Crespi and A. Palma), 2015, Report Ricerca di Sistema Elettrico – Accordo di Programma Ministero dello Sviluppo Economico - ENEA (September 2015).

Working Papers (only recent) and other Publications

Climate Change, Armed Conflicts and Resilience (with M. D'Angeli and G. Marin), 2022, SEEDS Working Papers Series [WP 02/2022](#); FEEM Working Papers Series [WP 04/2022](#).

I sussidi ai combustibili fossili frenano la transizione energetica (with G. Marin), 2022. Lettera Matematica (n. 5).

Cooperazione territoriale con il Progetto Start up Tunisie (with A. Sentuti A. and E. Viganò), 2022. Mediterraneo Dossier (n. 69).

Cambiamenti climatici e conflitti, 2021. Mediterraneo Dossier (n. 65).

Climate Change and Armed Conflicts African Observatory (CACAO): A Georeferenced Map of Africa (with F. Cappelli, C. Conigliani, V. Costantini, K. Lelo, A. Markandya and G. Sforna), 2018, BC3 Working Paper 2018-02.

Ongoing Research

More than just transition: uncovering heterogeneous socio-economic outcomes of climate policies (with V. Costantini, A. Zanoni). *Under Review*

Functional specialization and upgrading in European regions: new insights from FDI data (with A. Coveri and A. Zanfei). *Under Review*

Analysis of Environmental and Trade Impacts of EU Regulation on Deforestation Free Products (with Calciolari F., De Maria M., Escobar N., van de Ven D.J.). *Accepted for presentation at EAERE 2025*.

Climate Change, Armed Conflicts and Resilience (with M. D'Angeli and G. Marin).

Flooded Firms and heterogenous effects of Climate Change (with C. Lodi, G. Marin and M. Modica).

Invited Lectures

Invited seminar at Workshop “Macroeconomics and Innovation for the Green Transition”, Department of Economics and Statistics, University of Salerno, 8 April 2025. Title of the presentation: “More than Just transition. Factors and networks behind the EU sustainable development”.

Seminario di studi a partire dal volume “L'intervento pubblico nell'economia tra solidarietà, vincolo esterno e questione ambientale”. Sapienza Università di Roma, 27 febbraio 2025.

Invited seminar at Collegio Carlo Alberto, Seminars in Economics of Innovation and Knowledge (Torino), 5 March 2024. Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

Tavola rotonda “Giornata sul clima”, Accademia Nazionale dei Lincei, Centro linceo Interdisciplinare “Beniamino Segre”, 25 maggio 2023.

Invited seminar at Department of Economics, University of Roma Tre, 18 April 2023. Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

Invited seminar at Department of Economics and Management, University of Florence, 4 April 2023. Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

Oxford Style Debate “Net-zero transition policies and inequality”, PhD SDC Kick-off meeting, National PhD Programme in Sustainable Development and Climate Change, 25 January 2023.

Invited seminar at LEI & BRICK Seminars on the Economics of Innovation, University of Torino – Collegio Carlo Alberto, 22 April 2021. Presented paper: “Network-driven positive externalities in clean energy technology production”.

Invited seminar at SPRU (Science Policy Research Unit) Department, Energy and Climate Seminar, 23 October 2018, University of Sussex (Brighton, UK). Presented paper: “Sustainable energy transition and policy mix design in the European Union: a trade-based supply value chain approach”.

Media Coverage, Scientific Outreach, and Public Engagement

“La transizione energetica nell’Unione Europea tra politica di coesione e PNRR” (with M. D’Angeli). In: [Energy for Future. La politica di coesione per la sicurezza energetica e la sostenibilità ambientale](#). E-book Il Sole 24 Ore, a cura di Raffaella Coletti e Luisa Chiodi.

“La transizione verso un’Europa più verde e il ruolo della politica di coesione europea”: Il Sole 24 Ore - <https://tinyurl.com/3j72xhc7> (Italy, 16/06/2023). E-book Il Sole 24 Ore [La programmazione dei Fondi Europei](#).

Articles Mentioned in the Media

“Domanda di competenze e transizione ecologica”: L’imprenditore - <https://tinyurl.com/k83h4nzd> (Italy, 08/11/2023).

“We’re in this together: sustainable energy and economic competitiveness in the EU”: 30science - <https://tinyurl.com/2adc99z3> (Italy, 27/10/2022).

“Climate change and armed conflicts in Africa: persistence and propagation over time and space”: Delegación Institucional del Consejo Superior de Investigaciones Científicas en la Comunitat Valenciana - <https://tinyurl.com/4vb4887h> (Spain, 22/06/2022); La Vanguardia - <https://tinyurl.com/4vbc538z> (Spain, 22/06/2022); La Voz - <https://tinyurl.com/ycksa9nb> (Argentina, 16/07/2022); South Africa Today - <https://tinyurl.com/bdf588dc> (South Africa, 16/07/2022); ecoavant - <https://tinyurl.com/yc2f5nwk> (Spain, 16/07/2022); Science Blog - tinyurl.com/mrxzbvki (27/06/2022).

“Ukraine: Building Climate Resilience in Agriculture and Forestry”: World Bank press release NO: 2022/ECA/49 (09/02/2022).

“Eco-innovation, sustainable supply chains and environmental performance in European industries”: Science for Environment Policy - European Commission DG Environment News Alert Service, edited by SCU, The University of the West of England, Bristol (12 April 2018, Issue 505).

Articles Mentioned in Policy Reports

“A dynamic assessment of instrument interaction and timing alternatives in the EU low-carbon policy mix design”: IPCC (2022): Climate Change 2022: Mitigation of Climate Change (Sixth Assessment Report, Working Group III).

“Mitigation of adverse effects on competitiveness and leakage of unilateral EU climate policy: An assessment of policy instruments”: IPCC (2022): Climate Change 2022: Mitigation of Climate Change (Sixth Assessment Report, Working Group III).

“The Green Climate Fund as an effective compensatory mechanism in global climate negotiations”: IPCC (2022): Climate Change 2022: Mitigation of Climate Change (Sixth Assessment Report, Working Group III).

“The employment impact of private and public actions for energy efficiency: evidence from European industries”: IPCC (2022): Climate Change 2022: Mitigation of Climate Change (Sixth Assessment Report, Working Group III).

Public Speeches

“EuTalks”, Webinar Instagram - Il Sole 24 ore in collaboration with CNR ISSIRFA. Content: Un’Europa più verde. Le risorse della politica di coesione per la transizione, 29 May 2023. Articolo [Il Sole 24 Ore](#). E-book Il Sole 24 Ore [La programmazione dei Fondi Europei](#).

“Lezione zero - Che cos’è la sostenibilità?”. Massive Open Online Course, Università di Urbino ‘Carlo Bo’ and Rete delle Università Sostenibili. Content: “Transizione energetica, innovazione e sostenibilità – SDG 9 - Imprese, innovazione e infrastrutture” (online).

Conferences and Presentations

ASSA 2025 Annual Meeting, Annual Conference of the Allied Social Sciences Association. January 3–5, 2025, San Francisco, California (USA).

65° RSA Società Italiana di Economia (SIE), Urbino 24-26 October 2024. Presented paper: “Carbon border adjustments or climate clubs: Impacts on African agricultural sectors under different cooperative scenarios”.

29th Annual Conference European Association of Environmental and Resource Economists (EAERE), 01-04 July 2024, Leuven (Belgium). Presented paper: "Forecasting the climate-conflict nexus in Africa under SSPs scenarios".

12th Annual Conference IAERE 22-23 February 2024, Pescara (Italy). Presented paper: “Transition and Innovation: Are We Leaving Anyone Behind?”.

62nd Congress ERSA (European Regional Science Association), 28 August - 1 September 2023, Alicante (Spain). Presented paper: “Functional specialization and upgrading in European regions: new insights from FDI data”.

Jan Tinbergen European Peace Science Conference, 26-28 June 2023, University of Bologna. Presented paper: "Local sources of vulnerability to climate change and armed conflicts in East Africa".

Workshop on “Conflict and the Economy”, 9 June 2023, Università Cattolica del Sacro Cuore and SEEDS. Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

11th Annual Conference IAERE 23-24 February 2023, Napoli (Italy). Presented paper: “EU sustainable transition, knowledge co-creation and economic competitiveness”.

63rd Annual Conference - Italian Economic Association (SIE), 20-22 October 2022, Università di Torino (Italy). Presented papers: "Overview of the World Bank Report "Ukraine - Building climate resilience in agriculture and forestry"; "Knowledge spillovers through skilled-workers migration network: evidence from OECD countries".

6th Geography of Innovation Conference (GEOINNO), 4-6 July 2022, Bocconi University, Milano (Italy). Presented paper: "Climate change and inequality: new evidence from a global perspective".

27th Annual Conference European Association of Environmental and Resource Economists (EAERE), 28 Jun - 01 Jul 2022, Rimini (Italy). Presented paper: "Knowledge spillovers through skilled-workers migration network: evidence from OECD countries".

Workshop on “Climate Change, Conflict and Policies”, 26 May 2022, Università Cattolica del Sacro Cuore and SEEDS. Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

10th Annual Conference IAERE, 21-23 April 2022, Cagliari (Italy). Presented paper: “Forecasting the climate-conflict nexus in Africa under SSPs scenarios”.

39th Conference Eurasia Business and Economics Society (EBES), 6-8 April 2022, Rome (Italy). Presented paper: "Mission-Oriented Innovation Policies and Knowledge Spillovers: Exploiting Opportunities from Skilled-Workers Migration Network".

25th Annual Conference EAERE, 23-25 June 2021, Berlin (Germany). Presented paper: “Network-driven positive externalities in clean energy technology production. The case of EE in the EU residential sector”.

46th Annual Conference of the European International Business Academy (EIBA), 10-12 December 2020. Presented paper: “Climate change and inequality in a global context. Exploring climate induced disparities and the reaction of economic systems”.

61st Annual Conference of the Italian Economic Association (SIE), 20-23 October 2020. Presented paper: “The EU sustainable energy transition process: technological capabilities, knowledge co-creation and policy convergence for a low-carbon and competitive economy”.

XXI Scientific Conference AISSEC (Italian Association for the Study of Comparative Economic Systems), Comparative perspectives on economic development and inequalities, 8-9 October 2020. Presented paper: “Climate change and inequality in a global context. Exploring climate induced disparities and the reaction of economic systems”.

XIII World Conference Spatial Econometrics Association (SEA) joint with 66th NARSC (North American Meetings of the Regional Science Association International, SAI) Conference 2019, 13-16 November 2019,

Pittsburgh, PA. Presented paper: “Violent conflicts, climate conditions and socio-economic vulnerability in Africa: a dynamic spatial econometric analysis”.

CONCORDi 2019 - 7th European Conference on Corporate R&D and Innovation (EC, JRC, OECD), 25-27 September 2019, Seville (Spain). Presented paper: “Sustainable energy transition and policy mix design in the European Union: a trade-based supply value chain approach”.

Workshop “Innovation and sustainable growth: is the circular economy a disruptive model?”, Università Cattolica del Sacro Cuore, 20 September 2019, Milan (Italy). Presented paper: “Sustainable energy transition and policy mix design in the European Union: a trade-based supply value chain approach”.

VII International Workshop on Computational Economics and Econometrics “Advances in Spatial Economics and Econometrics: Data, Visualization, Modelling for Sustainable Spatial Systems”, July 2019, IRCrES-CNR. Presented paper: “Violent conflicts, climate conditions and socio-economic vulnerability in Africa”.

Grape Christmas Workshop, 19 December 2018, CNR. Presented paper: “Climate change and armed conflicts in Africa: a georeferenced analysis”.

23rd Annual Conference EAERE, 28 June-1 July 2017, Atene (Greece). Presented paper: “Policy instruments interaction in the long-term EU low-carbon strategy”.

Workshop on environmental new technologies - Smart Environments, 15 June 2017, Roma Tre University, Roma (Italy). Presented paper: “Development of an economic-energy GTAP model for the assessment of policies in support of new clean energy technologies”.

5th Annual Conference IAERE, 16-17 February 2017, Roma (Italy). Presented paper: “How costs of climate change influence the convenience of a global action”.

19th Conference QMOD “Quality and Service Sciences: Building a Culture for Quality, Innovation and Sustainability”, Rome (Italy), 21-23 September 2016, Roma (Italy). Presented paper: “Eco-innovation, sustainable supply chains and environmental performance in European industries”.

13th European Network on the Economics of the Firm (ENEF) meeting, 15-16 September 2016, Torino (Italy). Presented paper: “Eco-innovation, sustainable supply chains and environmental performance in European industries”.

Governance of a Complex World Conference (GCW) del EUROpean Network on Knowledge, INnovation, Development (EURKind), 22-24 June 2016, Valencia (Spain). Presented paper: “The employment impact of energy efficiency policies: evidence from European industries”.

4th Annual Conference IAERE, 11-12 February 2016, Bologna (Italy). Presented paper: “EU climate policy up to 2030: reasoning around timing, overlapping instruments and cost effectiveness”.

Research Grants and Scholarships

Principal Investigator (PI): PNRR Bando a cascata - Partenariato Esteso GRINS - Spoke 5 “ERICE - Environmental Risks mapping for the Italian Circular Economy” (2024-2025).

Principal Investigator (PI): PRIN 2022 PNRR. “RE-ADJUST - REgional Assessment of Distributive impacts of a JUst and Sustainable Transition” (2023-2025).

Principal investigator (PI): “Exploring determinants of income inequality: the role of FDI, Global Value Chain participation and Climate change”. Research grant funded by Department of Economics, Society, and Politics - University of Urbino Carlo Bo (2021-2023).

Scholarship “Valutazione degli effetti della riforma ISEEU attraverso l’analisi delle dichiarazioni degli studenti iscritti a Roma Tre”, Department of Economics, University of Roma Tre, from February to May 2017.

Full Ph.D. Scholarship awarded by the Italian Ministry of Education, Italian Ministry of Education, Universities and Research (2012-2014).

Participation in Research Projects

Ongoing

PRIN 2022 “APPLICATE - Assessing Public Policy effectiveness in minimising Local Impacts with Climate-related AdapTation Expenditures”. (Principal Investigator: G. Marin), as member of the Department of Economics, Society, and Politics - University of Urbino ‘Carlo Bo’.

Ended

PRIN 2017 “Innovation for global challenges in a connected world: the role of local resources and socio-economic conditions” (Coordinatore scientifico: C. Antonelli), as member of the Department of Economics University of Roma Tre (2020-2023).

“Optimal timing and control to eradicate the heterogeneity of firms on polluting activities: the economic-environmental roles of fiscal and monetary policies”. Research grant funded by Department of Economics, Society, and Politics - University of Urbino ‘Carlo Bo’.

“ECO+ECO: l’industria del futuro tra transizione ECOlogica ed ECONomia circolare”, Università degli Studi di Urbino ‘Carlo Bo’, finanziamento di Ateneo per Progetti di Terza Missione (Public Engagement).

“FOR US AN EXP - FOod secuRity and sUSTainAbility: Nudging and EXPerimental evidence”, Università degli Studi di Urbino ‘Carlo Bo’, finanziamento di Ateneo per progetti di ricerca sul tema della promozione della salute e della sicurezza alimentare.

“Start up Tunisie” (CUP E39F18001220009), Università degli Studi di Urbino, progetto co-finanziato dall’Agenzia Italiana per la Cooperazione allo Sviluppo.

“Sostenibilità e[in]sicurezza alimentare”, Dipartimento di Economia, Società e Politica (DESP), Progetto di interesse d’Ateneo, Università degli Studi di Urbino ‘Carlo Bo’.

“Understanding the impacts, managing risks, and exploring new opportunities from climate change in Ukraine”, BC3 Basque Centre for Climate Change - Klima Aldaketa Ikergai and WORLD BANK GROUP (February 2020 - October 2020). [Final Report](#). [The World Bank Press Release \(2022/ECA/49\) February 9, 2022](#).

“Trade and Climate Change: an Energy-Economic Modelling Approach”, financial support from European Commission - Directorate General For Trade (December 2019-September 2020).

“SMART ENVIRONMENTS – Valorizzazione della ricerca e crescita del territorio negli ambienti intelligenti”, financed by Regione Lazio.

“Sviluppo di una metodologia per la valutazione dell’impatto occupazionale per interventi di efficienza energetica nella green economy”, Università degli Studi Roma Tre, Accordo di Collaborazione con ENEA nell’ambito dell’Accordo di Programma MSE-ENEA su Ricerca di Sistema Elettrico Piano Annuale di Realizzazione 2014.

International Research Staff Exchange Scheme (IRSES) Marie Curie action AguaSociAL on “Social Innovation in the Water Treatment Sector in the Amazon” (EC Research Executive Agency, FP7 People Programme).

European Research Project EMInn “Environmental Macro Indicator of Innovation” (7th FWP).

Cecilia2050 Optimal EU Climate Policy, as member of the Department of Economics University of Roma Tre (7th FWP).

PRIN 2010-2011 “I cambiamenti climatici nell’area del Mediterraneo: scenari evolutivi, impatti economici, politiche di mitigazione e innovazione tecnologica”, as member of the Department of Economics University of Roma Tre.

Organization of Scientific Events

[13th IAERE Conference](#) 2025 (co-chair), Department of Economics University of Roma Tre, 20-21 February 2025.

Coordinator of the [8th IAERE School](#) “Natural hazards, human disasters: economics and policy of extreme events”, IAERE in collaboration with Department of Economics University of Roma Tre, in collaboration with Genius, Rome Technopole, EAERE. University of Roma Tre, 23-27 September 2024.

Scientific and Organizing committee “[Urbino Economic Seminars](#)” Department of Economics, Society, and Politics - University of Urbino ‘Carlo Bo’ (Italy).

Co-organization of the workshop "Economics of climate-related extreme events" in collaboration with IAERE, DESP University of Urbino, Gruppo Economisti Urbino (GEU), Uniurb Sostenibile, University of Urbino ‘Carlo Bo’ (Italy), 9 November 2022.

Co-coordinator of the 6th IAERE School “Dynamic and Spatial Modelling for Environmental Economics”, IAERE in collaboration with University of Urbino, GEU, SEEDS, University of Urbino ‘Carlo Bo’ (Italy), 11-15 July 2022.

Scientific Committee of [International School on Migration](#) (2021). “The social dimensions of the environmental transition. Making the transition towards a sustainability that is just and equal for all.” project co-funded by the European Union, EuropeAid DEAR, Africa e Mediterraneo, Lai-Momo, and Snapshots From The Borders).

Scientific and Organising Committee of AISSEC (Italian Association for the Study of Comparative Economic Systems) XXI Scientific Conference, Comparative perspectives on economic development and inequalities, 8-9 October 2020.

Ph.D. tutoring

Edoardo Iannetti. Ph.D. in Economics, Department of Economics, Roma Tre University (Italy),

Martina Farinella. Ph.D. in Economics, Department of Economics, Roma Tre University (Italy),

Martina Mancini. Ph.D. in Economics, Department of Economics, Roma Tre University (Italy),

Filippo Cicoli (co-supervisor). “Capitalism, Climate Change and Political Polarization”. Ph.D. Global Studies, Department of Economics, Society, and Politics, University of Urbino ‘Carlo Bo’ (Italy), discussed May 2025.

Francesco Calciolari (supervisor). “Analysis of climate policies impacts on International Agri-Food Market”. National Ph.D. programme in Sustainable Development and Climate change, IUSS Pavia and University of Urbino, discussed March 2025.

Saverio Barabuffi (co-supervisor) “Mission oriented innovation policies: a network approach”. Ph.D. in Economics, Department of Economics, Roma Tre University (Italy), discussed May 2022.

Federica Cappelli (co-supervisor) “Three essays on socioeconomic vulnerability to climate change”. Ph.D. in Economics, Department of Economics, Roma Tre University (Italy), discussed January 2021.

Editorial activity

Referee for: Nature Energy; Nature Communications; Environmental and Resource Economics; World Development; Energy Economics; Research Policy; Journal of Cleaner Production; Regional Studies; Structural Change and Economic Dynamics; Journal of Technological Transfer; Ecological Economics; Economic Modelling; Economia Politica - Journal of Analytical and Institutional Economics; Economics of Innovation and New Technology; Journal of Industrial and Business Economics; Italian Economic Journal; Industry and Innovation; Applied Economics; Climate Policy; Eurasian Business Review; Environment, Development and Sustainability; Journal of Economic Studies; Defence and Peace Economics.

Language and Computer skills

Language - Italian: mother tongue; English: fluent, C1; Spanish: good, B1; French: basic, A1.

Software: R, Stata, Qgis, Latex

Ai sensi della legge 679/2016 del Regolamento del Parlamento Europeo del 27 aprile 2016, esprimo il consenso al trattamento e all'utilizzo dei miei dati forniti nel presente CV.