Emanuele CIOLA

CONTACTS

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WORK EXPERIENCE

JANUARY 2023 PRESENT	**Postdoctoral Researcher** **Università degli Studi di Brescia**, Department of Economics and Management, Brescia (Italy). *Project*: "Modelling the energy and ecological transition with agent-based models".
JANUARY 2022 DECEMBER 2022	**Postdoctoral Researcher** **Università degli Studi di Brescia**, Department of Economics and Management, Brescia (Italy). *Project*: "Environment, Energy and Uncertainty (EEU): heterogeneity and complexity of the energy transition".
FEBRUARY 2021 PRESENT	**Postdoctoral Researcher** **Fondazione Eni Enrico Mattei**, Milano (Italy). *Project*: "Modelling the Energy Transition (MET)" research program.
FEBRUARY 2020 JANUARY 2021	**Postdoctoral Researcher** **Università Politecnica delle Marche**, Department of Management, Ancona (Italy). *Project*: "Systemic risk and heterogeneous agents".
OCTOBER 2020 DECEMBER 2020	**Visiting Researcher** **European Stability Mechanism**, Luxembourg (Luxembourg). *Project*: "ESM review of conditionality".

TEACHING EXPERIENCE

SEPTEMBER 2022 PRESENT	**Adjunct professor of *Advanced Macroeconomics*** **Università degli Studi di Trento**, Department of Economics and Management, Trento (Italy). *Description*: adjunct professor of *Advanced Macroeconomics* in the Master of Finance.
SEPTEMBER 2022 PRESENT	**Teaching Assistant of *Macroeconomics*** **Università degli Studi di Brescia**, Department of Economics and Management, Brescia (Italy). *Description*: teaching assistant of *Macroeconomics* in the Bachelor of Economics.

MAY 2020 OCTOBER 2020	Teaching Assistant of *Microeconomics* **Università Politecnica delle Marche**, Department of Economics and Social Science, Ancona (Italy). *Description*: teaching assistant of *Microeconomics* in the Bachelor of Economics.
MARCH 2020/2022	Lecturer of *Agent-Based Modelling* **Università Politecnica delle Marche**, Department of Economics and Social Science, Ancona (Italy). *Description*: lecturer of *Agent-Based Modelling* in the PhD of Economics.
MARCH 2020/2021/2022	Lecturer of *Agent-Based Modelling* **Università di Macerata**, Department of Economics and Law, Macerata (Italy). *Description*: lecturer of *Agent-Based Modelling* in the PhD of Quantitative Methods For Policy Evaluation.
MAY 2019 MARCH 2019	Teaching Assistant of *Advanced Macroeconomics* **Università degli Studi di Trento**, Department of Economics and Management, Trento (Italy). *Description*: teaching assistant of *Advanced Macroeconomics* in the Master of Finance.

EDUCATION AND TRAINING

MARCH 2019 NOVEMBER 2015	Joint Ph.D. in ECONOMICS **Università Politecnica delle Marche**, Department of Economics and Social Science, Ancona (Italy). **Universitat Jaume I**, Department of Economics, Castellon de la Plana (Spain). *Final Grade*: Excellent *Cum Laude.* *Thesis*: "The Feedback between Real and Credit Markets". *Supervisor*: Prof. Mauro GALLEGATI. *Supervisor*: Prof. Gabriele TEDESCHI.
JUNE 2018	Oxford Summer School in Economic Networks **University of Oxford**, Oxford Martin School & Mathematical Institute, Oxford (United Kingdom).
JUNE 2017	WEHIA PhD Summer School - Agent-Based Macroeconomics **Università degli Studi di Genova**, Genova (Italy).
MARCH 2015 SEPTEMBER 2012	Master in FINANCE **Università degli Studi di Trento**, Department of Economics and Management, Trento (Italy). *Final Grade*: 110/110 *with honour.* *Thesis*: "The Secular Stagnation Hypothesis". *Supervisor*: Prof. Edoardo GAFFEO.
MARCH 2015 FEBRUARY 2015	Internship **Università degli Studi di Trento**, Department of Economics and Management, Trento (Italy). *Title*: "The Management of Missing Data in Spatial Econometric Models". *Supervisor*: Prof. Marco BEE.

FEBRUARY 2012	Bachelor in ECONOMICS AND MANAGEMENT
SEPTEMBER 2008	**Università degli Studi di Trento**, Department of Economics and Management, Trento (Italy).

Final Grade: 105/110.

Thesis: "The Crisis in Europe and the Reform of the Stability and Growth Pact".

Supervisor: Prof. Roberto TAMBORINI.

RESEARCH INTEREST

Agent-based Economics, Macroeconomics, Financial Intermediation, Network Theory, Energy Economics, Energy Transition.

PUBLICATIONS IN JOURNALS

- Bazzana, D., Rizzati, M., Ciola, E., Turco, E., & Vergalli, S. (2023). "Warming the MATRIX: a Climate Assessment under Uncertainty and Heterogeneity", revise and resubmit at *Energy Economics*.

- Turco, E., Bazzana, D., Rizzati, M., Ciola, E., & Vergalli, S. (2023). "Energy price shocks and stabilization policies in the MATRIX model". *Energy Policy*, 177, 113567.

- Ciola, E., Turco, E., Gurgone, A., Bazzana, D., Vergalli, S., & Menoncin, F. (2023). "Enter the MATRIX model: a Multi-Agent model for Transition Risks with application to energy shocks". *Journal of Economic Dynamics and Control*, 146, 104589.

- Ciola, E., Gaffeo, E., & Gallegati, M. (2022). "Search for profits and business fluctuations: How does banks' behaviour explain cycles?". *Journal of Economic Dynamics and Control*, 135, 104292.

- Ciola, E., Tedeschi, G. (2022), "From Interaction to Business Fluctuations: How Credit Network Explain Cycles", revise and resubmit at *Journal of Money, Credit and Banking*.

- Ciola, E. (2020), "Financial sector bargaining power, aggregate growth and systemic risk". *Journal of Economic Interaction and Coordination*, 15(1), pp. 89–109.

WORKING PAPERS

- Bazzana, D., Rizzati, M., Ciola, E., Turco, E., & Vergalli, S. (2023). "Warming the MATRIX: a Climate Assessment under Uncertainty and Heterogeneity", *FEEM Working Paper* 09.2023, Fondazione Eni Enrico Mattei, Milano (Italy).

- Castelli, C., Castellini, M., Ciola, E., Gusperti, C., Romani, I. G., & Vergalli, S. (2022). "A review of macroeconomic models for the WEFE nexus assessment", *FEEM Working Paper* 35.2022, Fondazione Eni Enrico Mattei, Milano (Italy).

- Turco, E. M., Bazzana, D., Rizzati, M., Ciola, E., & Vergalli, S. (2022). "Energy price shocks and stabilization policies in a multi-agent macroeconomic model for the Euro Area", *FEEM Working Paper* 25.2022, Fondazione Eni Enrico Mattei, Milano (Italy).

- Ciola, E., Turco, E., Gurgone, A., Bazzana, D., Vergalli, S., & Menoncin, F. (2022). "Charging the macroeconomy with an energy sector: an agent-based model", *FEEM Working Paper* 09.2022, Fondazione Eni Enrico Mattei, Milano (Italy).

- Ciola, E., Tedeschi, G. (2021). "From interaction to business fluctuations: How credit network explain cycles", *Working Papers* 2021/01, Economics Department, Universitat Jaume I, Castellón (Spain).

- Ciola, E., Gaffeo, E., Gallegati, M. (2018). "Matching frictions, credit reallocation and macroeconomic activity: how harmful are financial crises?", *DEM Working Papers* 2018/05, Department of Economics and Management - Università degli Studi di Trento.

Other publications

- Ciola, E., Bazzana, D., Rizzati, M., Turco, E. M., & Vergalli, S. (2022, September 15). "Sussidi o price cap: quale politica per uscire dalla crisi?", *Il Sole 24 Ore* online. https://www.ilsole24ore.com/art/sussidi-o-price-cap-quale-politica-uscire-crisi-AEqQaV0B

Conferences and Workshops

- *2nd Workshop Research Dialogues on the complexity of the energy transition*, Università degli Studi di Brescia, Brescia, 6-7 December 2023 – Member of the Organizing Committee.

- *47th Annual Meeting of the Italian Association for Mathematics Applied to Social and Economic Sciences*, Università degli Studi di Milano-Bicocca, Milano, 20-22 September 2023.

- *2nd DISEI-Workshop on Heterogeneity, Evolution and Networks in Economics*, Università degli Studi di Firenze, Florence, 7-8 September 2023.

- *29th International Conference Computing in Economics and Finance*, Université Côte d'Azur, Nice, 3-6 July 2023.

- *28th Annual Conference of the European Association of Environmental and Resource Economists*, The Cyprus Institute, Cyprus University of Technology & Department of Economics of University of Cyprus, Limassol, 27-30 June 2023.

- *10th International Workshop on Computational Economics and Econometrics*, IRCrES-CNR, Roma, 30 June - 1 July 2022.

- *14th ESEE International Conference*, Università di Pisa, Pisa, 14-17 June 2022.

- *10th IAERE Annual Conference*, Università degli Studi di Cagliari & Fondazione Eni Enrico Mattei, Cagliari, 21-23 April 2022.

- *Workshop Research Dialogues on the complexity of the energy transition*, Università degli Studi di Brescia, Brescia, 6-7 December 2021.

- *24.5th Workshop on Economic Science with Heterogeneous Interacting Agents*, Università Cattolica del Sacro Cuore, Milano (Online), 10 September 2021.

- *9th IAERE Annual Conference*, Universitità degli Studi di Brescia & Fondazione Eni Enrico Mattei, Milano (Online), 21-23 April 2021 – Member of the Organizing Committee.

- *47th Annual Conference of the Eastern Economic Association*, New York Sheraton, New York (Online), 25-28 February 2021.

- *24th Workshop on Economic Science with Heterogeneous Interacting Agents*, City, University of London, London, 24-26 June 2019.

- *13th BiGSEM Doctoral Workshop on Economic Theory*, Bielefeld University, Bielefeld, 10-11 December 2018.

- *Finance and Economic Growth in the Aftermath of the Crisis*, Università degli studi di Milano, Milano, 11-13 September 2017. Paper presented by co-author Edoardo Gaffeo.

Refereeing Activity

- Advances in Complex Systems

- Economics Bulletin

- EPJ Data Science

- European Journal of Operational Research

- International Tax and Public Finance

- Journal of Economic Interaction and Coordination

- Physica A: Statistical Mechanics and its Applications

- SN Business & Economics

- The European Journal of Finance

Languages

Italian:	Mothertongue
English:	Fluent
German:	Basic Knowledge
Spanish:	Basic Knowledge

Computer Skills

Basic Knowledge:	Python, Visual Basic, Unix
Intermediate Knowledge:	Stata
Good Knowledge:	R, Gretl, Julia, MATLAB, Dynare, Gephi, Excel, Word, PowerPoint

Trattamento dei dati personali

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

Milano, 10/01/2024   Emanuele Ciola