

## Alessandro Marra

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### Affiliations

- (Associate Professor) Department of Economics, University G. d'Annunzio of Chieti-Pescara (Ud'A).
- (Adjunct Professor) Department of Law, LUISS Guido Carli University, Rome (LUISS).
- (Associate Research Fellow) GRIF research centre, LUISS Business School, Rome (LBS).
- (Associate Research Fellow) BLISS research centre, Department of Management, University Ca' Foscari Venice (Ca' Foscari).

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### Description (short)

Associate Professor in Applied Economics and Coordinator of the PhD Program in Applied Sciences for Business Innovation at Ud'A; Adjunct Professor of Economics for Business at LUISS. Associate Research Fellow at GRIF (LBS, Rome) and BLISS (Ca' Foscari, Venice). Consolidated experience on research projects addressing regulatory and competition issues across sectors such as airport services, paper industry, antitrust damages, public-private partnerships, local utilities, quality certification, nuclear waste facilities, space economy, assisted wealth services, and local health authorities. Research areas include energy transition, circular economy, health need assessment, and innovation/competence mapping.

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### Current positions (main)

**2018–Present** Professor (Associate) of Economics (Economics for Innovation; Industrial Economics; Industry Dynamics; Text Analysis; Network Analysis) — Department of Economics, Ud'A.  
**2024–Present** Coordinator PhD Program in Applied Sciences for Business Innovation — Department of Economics, Ud'A.  
**2007–Present** Professor (Adjunct) of Economics (Economics for Business) — Department of Law, LUISS, Rome.  
**2005–Present** Research Fellow (Associate) GRIF research centre — LBS, Rome.  
**2021–Present** Research Fellow (Associate) BLISS research centre — Department of Management, Ca' Foscari.

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### Past positions (main)

**2023–2026** Principal Investigator @ PRIN 2022 — Department of Economics, Ud'A.  
**2023–2025** Coordinator Master I level in Economics — Department of Economics, Unidav @ Ud'A.  
**2019–2024** Co-founder — Explo s.r.l. – Academic spin-off, Department of Economics, Ud'A.  
**2014–2016** Coordinator Executive master MIFOR (Master in Fraud & Operational Risk) — LBS, Rome.  
**2009–2018** Professor (Assistant) of Economics — Department of Economics, Ud'A.  
**2007** Postdoc Researcher — Université Paris Nanterre, Paris.  
**2006–2009** Research Fellow (Postdoc) — LUISS, Rome.  
**2005–2006** Academic Assistant (ELEA Program) — College of Europe, Bruges.

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### Grants

**2023** Grant awarded by Ministero dell'Università for research on semantic proximity and firm performance (Codice 20224EATBN).  
**2020** Grant awarded by Fondirigenti for a project mapping the innovation ecosystem in Abruzzo (CIG 8188368708).

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### Awards & Fellowships

**2017** Eligible & recipient of funding for basic research — national evaluation of university researchers by ANVUR.  
**2016** "Valore al Merito", presented in the presence of former President of the Italian Republic Giorgio Napolitano (Associazione Amici della LUISS).  
**2007** 12-month Postdoctoral Fellowship at Paris Nanterre University, funded by Île-de-France.  
**2006** Award for Best PhD Dissertation in Economic Studies on public utilities regulation (Fondazione AMGA).  
**2002** Three-year PhD Scholarship at LUISS Guido Carli University, funded by Associazione Amici della LUISS.

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### Education

**2008** Master's Degree in Applied Econometrics (ISAE-SSEF) — SNA – Scuola Nazionale dell'Amministrazione.  
**2005** PhD in Law and Economics — LUISS, Rome.  
**2004** Master of Laws (LLM), Competition law and economics — Erasmus Universiteit, Rotterdam.  
**2001** Bachelor's Degree in Economics — LUISS, Rome.

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### Visiting

**2025-09** University of Oviedo (Erasmus+, one week).  
**2024-12** EDC Paris Business School, Paris (PRIN 2022, one week).  
**2024-09** University of Greenwich, London (PRIN 2022, one week).  
**2023-09** University Ca' Foscari, Venice (Research visiting, one week).  
**2005-05** Université de Paris I Sorbonne, Paris (Ph.D visiting, two months).  
**2005-03** Université de Liege (Ph.D visiting, two months).

**Publications (selected) – 23 out of 24 articles in top-tier international journals ("Fascia A" ranking)**

1. Marra, A., Cartone, A., & Di Giorgio, G. (2026). Artificial intelligence and competitive edges: Do knowledge spillovers undermine strategic autonomy?. *Technological Forecasting and Social Change*, 226, 124612. doi: 10.1016/j.techfore.2026.124612
2. Marra, A., D'Isidoro, A., & Sarra, A. (2026). Knowledge flows through text data: the case of Milan's tech ecosystem. *The Annals of Regional Science*, 75(1), 1-22. doi: 10.1007/s00168-026-01465-y
3. Marra, A., Colantonio, E., Benedetti, R. (2025). A panel regression approach to the role of economic policy uncertainty in the energy transition: what to expect with the return of trumponomics? *Economia Politica*, 1–34. doi: 10.1007/s40888-025-00355-9
4. Marra, A., D'Isidoro, A. (2025). Combining geographical and semantic proximity to measure spillovers. The case of Sweden. *Spatial Economic Analysis*, 1–21. doi: 10.1080/17421772.2025.2357330
5. Ben Zaid Y., Mattoussi W., Marra A. (2025) Endogenous directed technical change for energy transition. *European Journal of Operational Research*, p. 1–22, doi: 10.1016/j.ejor.2025.02.020
6. Marra A., Colantonio E., Cucculelli M. (2024). Catalyzing solar and wind technology exports: the «Flywheel Effect» of demand-side factors. *Economia e Politica Industriale*, doi: 10.1007/s40812-024-00339-x
7. Marra A., Colantonio E., Sarra A. (2024). Natural resources, socio-technical regimes, and the environmentally sustainable transition: Evidence from OECD countries. *Journal of Cleaner Production*, vol. 469, doi: 10.1016/j.jclepro.2024.143920
8. Marra A., Cucculelli M., Cartone A. (2024). So far, yet so close. Using networks of words to measure proximity and spillovers between firms. *Eurasian Business Review*, vol. 14, p. 973–1006, doi: 10.1007/s40821-024-00260-x
9. Marra A., Colantonio E., Cucculelli E., Nissi E. (2024). The 'complex' transition: Energy intensity and CO<sub>2</sub> emissions amidst technological and structural shifts. Evidence from OECD countries. *Energy Economics*, vol. 136, p. 1–19, doi: 10.1016/j.eneco.2024.107702
10. Marra A., Di Giorgio G. (2023). Missing steps in the assessment of the local economic impact of nuclear waste: The case of Italy. *Environmental Impact Assessment Review*, vol. 103, p. 1–8, doi: 10.1016/j.eiar.2023.107290
11. Marra A., Colantonio E. (2023). On public policies in the energy transition: Evidence on the role of socio-technical regimes for renewable technologies. *Energy Economics*, vol. 128, p. 1–14, doi: 10.1016/j.eneco.2023.107126
12. Marra A., Mazzocchitti M., Sarra A. (2022). A multi-dimensional space to map national research communities in the circular economy: Any common pattern? *Environmental Science and Policy*, vol. 132, p. 48–59, doi: 10.1016/j.envsci.2022.02.003
13. Marra A., Colantonio E. (2022). The institutional and socio-technical determinants of renewable energy production in the EU: implications for policy. *Economia e Politica Industriale*, p. 1–36, doi: 10.1007/s40812-022-00212-6
14. Marra A., Baldassari C. (2022). Using text data instead of SIC codes to tag innovative firms and classify industrial activities. *Plos One*, vol. 17, doi: 10.1371/journal.pone.0270041
15. Marra A., Colantonio E. (2021). The path to renewable energy consumption in the European Union through drivers and barriers: A panel vector autoregressive approach. *Socio-Economic Planning Sciences*, vol. 76, doi: 10.1016/j.seps.2020.100958
16. Quaglione D., Matteucci N., Furia D., Marra A., Pozzi C. (2020). Are mobile and fixed broadband substitutes or complements? New empirical evidence from Italy and implications for the digital divide policies. *Socio-Economic Planning Sciences*, vol. 71, p. 1–14, doi: 10.1016/j.seps.2020.100823
17. Quaglione D., Cassetta E., Crociata A., Marra A., Sarra A. (2019). An assessment of the role of cultural capital on sustainable mobility behaviours: Conceptual framework and empirical evidence. *Socio-Economic Planning Sciences*, vol. 66, p. 24–34, doi: 10.1016/j.seps.2018.07.005
18. Marra A., Carlei V., Baldassari C. (2019). Exploring networks of proximity for partner selection, firms' collaboration and knowledge exchange. The case of clean-tech industry. *Business Strategy and The Environment*, vol. 29, p. 1034–1044, doi: 10.1002/bse.2415
19. Losurdo F., Marra A., Cassetta E., Monarca U., Dileo I., Carlei V. (2018). Emerging specializations, competences and firms' proximity in digital industries: The case of London. *Papers in Regional Science*, vol. 98, p. 737–753, doi: 10.1111/pirs.12376
20. Marra A., Mazzocchitti M., Sarra A. (2018). Knowledge sharing and scientific cooperation in the design of research-based policies: The case of the circular economy. *Journal of Cleaner Production*, vol. 194, p. 800–812, doi: 10.1016/j.jclepro.2018.05.164
21. Marra A., Antonelli P., Agostinone S., Raucci D. (2018). Opening Pandora's box of twenty years of research on energy policies: On the rise of a 'technology-driven' debate. *Energy Policy*, vol. 122, p. 542–550, doi: 10.1016/j.enpol.2018.08.003
22. Cassetta E., Marra A., Pozzi C., Antonelli P. (2017). Emerging technological trajectories and new mobility solutions. A large-scale investigation on transport-related innovative start-ups and implications for policy. *Transportation Research. Part A, Policy and Practice*, vol. 106, p. 1–11, doi: 10.1016/j.tra.2017.09.009
23. Marra, A., Antonelli, P., Pozzi, C. (2016). Emerging green-tech specializations and clusters – A network analysis on technological innovation at the metropolitan level. *Renewable and Sustainable Energy Reviews*, vol. 67, p. 1037–1046, doi: 10.1016/j.rser.2016.09.086
24. Marra A., Antonelli P., Dell'Anna L., Pozzi C. (2015). A network analysis using metadata to investigate innovation in clean-tech – Implications for energy policy. *Energy Policy*, vol. 86, p. 17–26, doi: 10.1016/j.enpol.2015.06.025