

Curriculum Vitae - Stefano Menegat

Assistant Professor in economic and political geography,
Department of economics and statistics, University of Turin

Academic profiles: [University of Turin](#), [Google Scholar](#), [Research Gate](#).

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1. Areas of Expertise

Economic and Political Geography; Ecological Economics and Environmental Economics; Sustainability Sciences; Political Ecology; Agri-food Systems; Remote Regions; Energy Transition.

2. Education

Doctorate (Ph.D.) in Renewable Resources – Ecological Economics [2015-2020], Department of Natural Resource Sciences, McGill University, Montreal (Canada). Thesis Title: Improving the Quality of Integrated Assessments for Agri-Food Systems Governance. An Ecological Economics Approach. Thesis Supervisor: Prof. Nicolas Kosoy.

Master's (M.Sc.) in Cooperation and Development (specialization in environmental and territorial economics) [2012-2014] 110/110 Magna cum Laude (distinction) and recommendation for publication, Department of Economics and Statistics, University of Turin (Italy). Thesis Title: Alternative food networks, market analysis and diffusion dynamics. Thesis Supervisor: Prof. Silvana Dalmazzone.

Diploma in Environment [2009-2010] UNESCO Chair in Sustainable Development, University of Turin.

Bachelor's (B.Sc.) in Environmental Economics [2005-2009] University of Turin.

3. Research Experience

Researcher and Partnership Coordinator [2023 - 2026], INTERFACE Project (Flagship 3, Spoke 4 NODES).

- Principal Investigator: Prof. Silvana Dalmazzone.
- Theme: Digital innovation for sustainable mountains.
- Funding: Next Generation EU Program (ID: ECS00000036).
- Description: Scientific and administrative coordination of the INTERFACE research partnership, hosting ten departments from four universities, two foundations, and several private partners. Direct support to the Principal Investigator in the strategic management of the project.
 - Project management: Monitoring deliverables, participating in steering committees, and drafting progress reports for the ministry and the European Union.
 - Monitoring: Tracking implementation and performance indicators of the project.
 - Research: Socio-economic analysis of remote regions, including demographic dynamics, spatial distribution of services, the productive fabric, and the tourism sector. Focus on two case studies in the Piedmont Alps, with data collection activities (interviews, surveys) and action research through the organization of training courses and workshops.
 - Research valorization activities currently in the planning phase.

Postdoctoral Fellow, Department of Economics and Statistics, University of Turin (Italy) [2022-2023].

- Principal Investigator: Prof. Silvana Dalmazzone.
- Theme: Water Pricing: metering and pricing policies for irrigation water.
- Funding: Po River Basin Authority.
- Description: As part of the research partnership led by the Po River Basin Authority, bringing together four departments from three universities, I contributed to research activities focusing mainly on the integration of economic assessments into the revision processes of the River Basin Management Plan, the evaluation of ecosystem services, and the development of incentive tools aimed at efficient water resource use and better management of drought episodes. While most of this work will serve to revise Italian and regional regulations to comply with the European Water Framework Directive, part of the research, focusing on drought risks in the Po plain and mitigation strategies available to the Authority, will be the subject of a technical-scientific report to be published in the coming months.

Postdoctoral Fellow, Department of Economics and Statistics, University of Turin (Italy) [2021-2022].

- Principal Investigator: Prof. Silvana Dalmazzone.
- Theme: Distributional effects of carbon pricing.
- Funding: University of Turin.
- Description: The research activity focused on the distributive effects of carbon pricing, with particular attention to the spatial impact of extending the ETS system to transport fuels planned for 2026-2027. The study was conducted using a quantitative, comparative, and cartographic approach. The scientific article resulting from this work has recently been submitted to the journal Communications Sustainability (a new journal from the Springer Nature group).

Visiting Researcher, Institute of Environmental Science and Technology (ICTA), Autonomous University of Barcelona (Spain) [July 2017].

- Funding: International Graduate Mobility Award, McGill University.
- Description: The research stay was organized to collaborate with Professor Mario Giampietro and his team (IASTE) on the theme of "multi-scale analysis of agri-food systems for policy making." The activities, conducted within a multidisciplinary research group, focused mainly on the application of the MuSIASEM (Multi-Scale Integrated Analysis of Societal and Ecological Metabolism) method to different geographical contexts and environmental issues.

4. Grants and Funding

Postdoctoral Research Fellowships:

- 2023 – Research Fellowship, Department of Cultures, Politics and Societies, University of Turin. Project: "Analysis of actors, policies, practices and networks in the City Region Food System approach". Amount: €20,266.00. (Fellowship declined);
- 2021 – Research Fellowship. Department of Economics and Management, University of Trento (Italy). Project: "Development methods of the Trentino area and the contribution of associations in a circular and participatory economy perspective". Amount: €19,370. (Fellowship declined).

Doctoral Research Fellowships

- Doctoral Research Fellowship, Economics for the Anthropocene Program, McGill University and The Social Sciences and Humanities Research Council of Canada (SSHRC 895-2013-1010). Amount: \$63,000 CAD.

Awards and Distinctions

- 2019: 7th "Giorgio Rota" Prize (Best Article) Einaudi Center, Turin. Amount: €1,500.

- 2017: International Graduate Mobility Award, McGill University, Montreal. Amount: \$1,500 CAD.
- 2016: Graduate Excellence Award, McGill University, Montreal. Amount: \$5,000 CAD.
- 2014: Best Thesis Award, Department of Economics, University of Turin.

5. Publications

Books and Book Chapters

- Menegat, S. (in preparation, contract signed April 22, 2025). *Ecological Political Economy: a critical realist approach to ecological economics and political ecology*. London: Routledge.
- Menegat, S. (2023). Complex Systems Modeling. In Haddad, B., and Barry, D., S. (eds.). *Dictionary of Ecological Economics* (pp. 86-87). Cheltenham, UK: Edward Elgar. DOI: <https://doi.org/10.4337/9781788974912.C.78>.
- Menegat, S. (2023). Complexity. In Haddad, B., and Barry, D., S. (eds.). *Dictionary of Ecological Economics* (pp. 85-86). Cheltenham, UK: Edward Elgar. DOI: <https://doi.org/10.4337/9781788974912.C.76>.
- Menegat, S., Abbagnano, L., Di Girolami, E., & Valentini, G. (2014). Programmi di Finanziamento Europei. In Beltramo, R., & Vesce E. (Eds.) *Prove di Apea Strumenti per l'evoluzione verso le Aree produttive ecologicamente attrezzate. Il caso di Pescarito* (pp. 182-219). Milano, Italy: Edizioni Ambiente.
- Menegat, S., & Perna, N. (2014). *A.M.I. Obiettivo Primario*. Città di Castello (PG), Italy: Nuovaphomos Edizioni.
- Menegat, S., (2011). L'utilizzo del Suolo. In Tassoni, M. (Ed.) *L'Anfiteatro morenico di Ivrea, dalla Pera Cunca alla Olivetti* (pp. 118-136). Cossano Canavese, Italy: Alfredo Ferrero Editore.

Peer-Reviewed Journal Articles

- Menegat, S. (in press, accepted May 26, 2025). Metabolism in geographical thought: its development and future prospects. *Rivista Geografica Italiana*.
- Menegat, S. (under review). Feeding the accelerator: a metabolic historical analysis of the US food regime. *World Development*.
- Menegat, S., Dalmazzone, S., Frontuto, V. (submitted November 06, 2025). Pricing carbon emissions in the road transport sector requires bold revenue recycling policies to adjust for regional inequalities. *Communications Sustainability*.
- Sanniti, R., S., Juncos, M., & Menegat, S. (2025) Terror Management Theory and grand-metanarratives. The search for a consilient ethics of conscious limitedness for the ecological transition. *Visions for Sustainability*, 23, 11822, 1-32. DOI: <https://doi.org/10.13135/2384-8677/11822>.
- Menegat, S. (2024 - editorial review). The geography of conventional agriculture's unsustainability. *Nature Climate Change* 15(1), 20-21. DOI: <https://doi.org/10.1038/s41558-024-02143-7>.
- Menegat, S. (2024) Energy, urbanization, and complexity: Towards a multi-scale ecological economic theory of innovation. *Ecological Economics* 222: 108230. DOI: <https://doi.org/10.1016/j.ecolecon.2024.108230>.
- Sarri, C., Menegat, S., Besana, A., Bagliani, M., & Pietta, A. D. (2023). Global flows of virtual water: a sustainability problem for agri-food production? A geo-cartographic analysis. *Bollettino dell'Associazione Italiana di Cartografia*, (179), 92-107. DOI: <https://doi.org/10.13137/2282-572X/37146>.
- Battisti, L., Rota, F., S., Menegat, S., Lombardini, C., Chiarello, R., Maccarone, E., Bagliani, M. (2023). Il rapporto cibo-spazio e la sfida della sostenibilità ambientale in Italia: una scoping review. *Rivista Geografica Italiana* (4). DOI: <http://dx.doi.org/10.3280/rgioa4-2023oa16845>.
- Menegat, S., Ledo, A., & Tirado, R. (2022). Greenhouse gas emissions from global production and use of nitrogen synthetic fertilisers in agriculture. *Scientific Reports*, 12(1), 1-13. DOI: <https://doi.org/10.1038/s41598-022-18773-w>.

- Menegat, S. (2022). From Panarchy to World-Ecology: Combining the Adaptive Cycle Heuristic with Historical-Geographical Approaches to Explore Socio-Ecological Systems' Sustainability. *Sustainability* 14(22): 14813. DOI: <https://doi.org/10.3390/su142214813>.
- Bagliani, M., Bignante, E., Dansero, E., Fedi, A., & Menegat, S. (2022). Cambiamenti climatici e ondate di calore in ambito urbano. Temi, problemi e vissuti della cittadinanza nel caso torinese. *Rivista Geografica Italiana* (2). DOI: <https://doi.org/10.3280/rgioa2-2022oa13796>.
- Menegat, S., & Perna, N. (2014). Consumatori , produttori ed istituzioni: le nuove filiere del cibo nell'Anfiteatro morenico di Ivrea. *Politiche Piemonte*, n. 27: 8-11.

Peer-Reviewed Conference Proceedings

- Menegat, S. (in press, accepted October 14, 2025). Declining marginal returns, world-ecology and possible globalizations. *Memorie geografiche*.
- Menegat, S. (under review). Geopolitics of Extended Urbanization: Capitalist Reproduction and Operational Landscapes in the Globalization Era. In *Atti del XXXIV Congresso Geografico Italiano*, Roma, A.Ge.I.
- Menegat, S. (2024). L'ambiente e la sua cura: la prospettiva dell'economia. In Massa Pinto, I. (eds.). *L'ambiente e la sua cura. Atti delle Giornate di Studio del Dottorato in Diritti e Istituzioni dell'Università di Torino* (pp. 149-158). Napoli: Edizioni Scientifiche Italiane.
- Menegat, S. (2019). Alternative Food Networks, growing niches or paradigm shift? Exploring the case of US Farmers' Markets Through a System Dynamics Approach. *Quaderni del Premio «Giorgio Rota»*, n. 7-19: 77-102.
- Menegat, S. (2015). Alternative Food Networks in Urban Contexts: a System Dynamics Approach. In *Proceedings of the SYDIC (System Dynamics Society) and the FAO « Meeting Urban Food Needs » project, First Mediterranean Conference on Food Supply and Distribution Systems in Urban Environments*, Rome (pp. 1-13). FAO.

Research Reports

- Viaggi, D., Pellegrini, E., Fasolino, N. G., Raggi, M., Zanni, G., Gizzi, P. Dalmazzone, S., Frontuto, V., Menegat, S., Pellegrino, C. (in press). *Report Siccità: analisi economica degli impatti della siccità e possibili soluzioni tecniche e di governance*. Parma, IT: Autorità di Bacino Distrettuale del Fiume Po.
- Dalmazzone, S., Leombruni, R., Menegat, S. (2025). *Proof of Concept - natural and cultural itineraries* (Deliverable D8 - Interface).
- Paolucci, E., Menegat, S., Rogna Manassero, A., Dalmazzone, S., Leombruni, R. (2025). *Web platform and App* (Deliverable D7 - Interface).
- Mauro, S., Di Gangi, E., Rataj, G., Melis, G., Menegat, S., Dalmazzone, S. (2023). *Accessibility to basic services: preliminary analysis for the pilot area definition* (Deliverable D14 - Interface).
- Menegat, S., Dalmazzone, S., Leombruni, R. (2023). *Report on socio-economic status quo - needs and resources* (Deliverable D10 - Interface).
- Menegat, S., Ledo, A., Tirado, R. (2021): *Greenhouse gas emissions from global production and use of nitrogen synthetic fertilisers in agriculture - Dataset*. <https://doi.org/10.6084/m9.figshare.16796569.v1>.
- Menegat, S. (2021). *EFTA-Mercosur trade deal GHG emissions dataset*. In GRAIN (Ed.) EFTA-Mercosur: another low blow to climate, peoples' rights and food sovereignty Girona, Spain: GRAIN. Available online.
- Menegat, S. (2021). *Dataset on the GHG emissions generated by the European livestock industry*. In Sharma, S. (Ed.). *Emissions Impossible Europe*. Washington, DC: Institute for Agriculture and Trade Policy (IATP). Available online.
- Menegat, S. (2019). *EU-Mercosur trade deal GHG emissions dataset*. In GRAIN (Ed.) EU-Mercosur trade deal will intensify the climate crisis from agriculture. Girona, Spain: GRAIN. Available online.
- Anderzén, J., Ament, J., Juncos, M., & Menegat, S. (2016). *A Non-Western Ethic and the Sprit of Tar Sands: An Analysis of TransCanada's Energy East Pipeline from a Non-Western Ontological Perspective*. Economics for the Anthropocene Energy Cohort Working Paper Series.

6. Scientific Communications

Organizer

- Co-organizer: Session "(Un)sustainable Trajectories", proposed as a workshop within the XVth edition of the Study Day of the Società di Studi Geografici "Beyond Globalization" [University of Bologna, Rimini campus], 15/12/2025). With Federico Martellozzo (University of Florence), Pasquale Pennacchio (University of Naples Federico II) and Filippo Randelli (University of Florence).

Speaker

- Geopolitics of extended urbanization: capitalist reproduction and operational landscapes in the globalization era [University of Turin], 03/09/2025 – 05/09/2025 – session "Beyond the perspectives of extended urbanization, towards new and/or renewed forms of regionalism. The territorial paradigm of the urban bioregion", XXXIV Italian Geographical Congress "Urban era and world disorder. Geographies for interpreting the present".
- Rendimenti marginali decrescenti, ecologia-mondo e globalizzazioni possibili [University of Florence], 6/12/2024 – session "Global networks beyond growth: between planetary urbanization, re-localization and solidarity-based interconnections", XIV Edition of the Study Day "Beyond Globalization", Società di Studi Geografici.
- Metabolism as a grid: mapping the geographies of open, complex, and hierarchical systems. [Imperial College London], 27/08/2024 – 30/08/2024 – session "metabolic returns, metabolic geographies?", Annual International Conference of the Royal Geographical Society - Institute of British Geographers (RGS-IBG).
- Invited Speaker: Assessing the distributional impacts of the ETS 2 in the road transport sector. [University of Pescara (Italy), 22/02/2024 – 23/02/2024 – session: A comparative perspective on policies for ecological challenges, 12th conference of the IAERE (Italian Association of Environmental and Resource Economists).
- I flussi globali di acqua virtuale: un problema di sostenibilità per le produzioni agro-alimentari locali? Un'analisi geo-cartografica [University of Trento (Italy), 27/09/2023 – 29/09/2023] – Annual Conference of the Italian Cartographic Association (AIC).
- Picturing the US food regime through the Multi-Scale Integrated Analysis of the Societal and Ecological Metabolism (MuSIASEM) [Columbia University (New York, NY), 17/11/2022 – 18/11/2022] – Geography 2050: the Future of Food. American Geographical Society.
- Alternative Food Networks, growing niches or paradigm shift? Exploring the case of US Farmers' Markets Through a System Dynamics Approach [University of Turin, 01/05/2019 – 01/05/2019] - VIIIth Giorgio Rota Conference "Rural economies, evolutionary dynamics and new paradigms".
- Improving the Quality of Integrated Assessment Models: an Ecological Economics Approach [University of Vermont, Burlington (US), 03/10/2018 – 05/10/2018] - E4A Graduate Student Research Symposium.
- Towards a Biophysical Theory of Economic Growth: Empirical Testing and Theoretical Extension [University of Surrey (UK), 02/07/2018 – 04/07/2018] - Economic Theory for the Anthropocene (ET4A) Workshop.
- Revisiting Financialization Through the Corn Commodity Chain – a Holistic Analysis of Debt, Technology and Land [Concordia University (Montreal), 05/10/2017 – 08/10/2017] - XIth Conference of CANSEE (Canadian Society for Ecological Economics).
- Reading Socio-Ecological Transformations: Critical Realism, System Thinking and the Civilizing Process [Universitat Autònoma de Barcelona (Spain), 06/06/2017 – 06/06/2017] - ICTA seminar Series.
- Les Enjeux Socio-écologiques du Système Agro-alimentaire Global dans une Perspective Historique: une Approche Thermodynamique [McGill University (Montreal), 09/05/2017 – 12/05/2017] – 85th ACFAS congress.
- Multi-Scale Integrated Assessment of the Ecological and Societal Metabolism [OCAD University (Toronto, Canada), 06/04/2017 – 06/04/2017] - System Thinking Ontario, Strategic Innovation Lab.

- Ethics for Agriculture in the Anthropocene [Corvinus University (Budapest, Hungary), 08/07/2016 – 10/07/2016] – 5th Degrowth Conference.
- Alternative Food Networks in Urban Contexts, a System Dynamics Approach [La Sapienza University (Rome, Italy), 06/07/2015 – 09/07/2015] - First Mediterranean Conference on Food Supply and Distribution Systems in Urban Environments.

7. Teaching Experience and Pedagogical Training

Teaching Experience

- 2024-2025 – Department of Cultures, Politics and Societies. Environmental Geography and Geopolitics. 18 hours. University of Turin, 150 undergraduate students.
- 2023-2024 – Department of Cultures, Politics and Societies. Environmental Geography and Political Geography. 18 hours. University of Turin, 150 undergraduate students.
- 2022-2023 – Department of Cultures, Politics and Societies. Environmental Geography and Political Geography. 18 hours. University of Turin, 150 undergraduate students.
- 2022-2023 – "Ferdinando Rossi" School of Advanced Studies. Distributional impacts of decarbonization policies. 3 hours. University of Turin, 20 undergraduate students.
- 2021-2022 – Master in Socio-Environmental Sustainability of Agri-Food Networks (MASRA). Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM). 8 hours. University of Turin and COREP, 30 graduate students.
- 2016-2017 – Graduate Seminar Ethics for the Anthropocene. Knowledge and epistemology: scientific narratives in the Anthropocene. 12 hours. McGill University (Montreal) and York University (Toronto), 5 graduate students.

Pedagogical Training

- IRIDI START Training Program - Pedagogical Strategies and Course Planning [2025] University Pedagogy Center (Teaching and Learning Center), University of Turin.

8. Supervision

- 2023-2024 – Co-supervisor of Alessandro Petroccia's Master's thesis (University of Turin): Impacts of extending the ETS system to the private transport sector: analysis of regressivity and tax revenue recycling strategies in Italy – Completed.
- 2023-2024 – Co-supervisor of Sara Bersini's Master's thesis (University of Turin): The Covenant of Mayors in Lombardy: analysis of the provinces of Brescia, Bergamo, Mantua and Cremona – Completed.

9. Service to the Community and Administrative Responsibilities

Reviewer for scientific journals:

- 2025 – Nature Communications (1 article) - Communications Earth & Environment (1 article)
- 2024 – Nature Food (1 article) - Nature Climate Change (1 article) - Ecological Economics (2 articles)
- 2023 – Journal of Cleaner Production (1 article)
- 2022 – Proceedings of the National Academy of Sciences – PNAS (1 article).
- 2022 – Geo-spatial Information Science (1 article)
- 2019 – Ecological Economics (1 article)
- 2016 – Journal of Agricultural and Environmental Ethics (1 article).

Administrative Involvement:

- (2023 - present) Partnership Coordinator, INTERFACE Project.

- (2024 - present) Co-responsibility for teaching allocation for the Master's program in Economics of the Environment, Culture and Territory of the Department of Economics and Statistics at the University of Turin.
- Between 2023 and 2024, I participated as secretary on six commissions for awarding research fellowships, organized by the Departments of Economics and Statistics and Cultures, Politics and Societies at the University of Turin.

10. Skills

- Language Skills: French (fluent), English (fluent), Italian (native language).
- Computer Skills: STATA, R, JPL, GRET, MAPLE, WOLFRAM MATHEMATICA, VENSIM, POWERSIM, STELLA, NETLOGO, QGIS.

11. Professional Activities

- Scientific Consultant – GREENPEACE [01/10/2025 – 30/10/2025] Amsterdam, Netherlands. Review of the scientific literature on regenerative agriculture and the potential of cattle grazing management to offset emissions from the livestock industry via soil carbon sequestration, with a focus on Brazil.
- Scientific Consultant – GREENPEACE [01/08/2024 – 30/08/2024] Amsterdam, Netherlands. Review of a study on methane emissions from the meat and dairy sector (modeling and scenario analysis).
- Scientific Consultant – GRAIN [01/11/2020 – 01/03/2021] Montreal, Canada. Audit of the greenhouse gas emission potential related to the implementation of multilateral trade agreements (EFTA-Mercosur).
- Scientific Consultant – Institute for Agriculture and Trade Policy (IATP) [01/06/2020 – 01/03/2021], Washington, United States. Analysis of the ecological impacts of agricultural and trade policies: principal investigator (nitrogen fertilizer supply chains) and research assistant (livestock industry).
- Scientific Consultant – GRAIN [01/11/2019 – 01/01/2020], Montreal, Canada. Audit of the greenhouse gas emission potential related to the implementation of multilateral trade agreements (EU-Mercosur).