

SILVANA DALMAZZONE

Curriculum vitae

2023



Personal Information

Nationality: Italian. Date of birth: 27/08/1966

Contact: Department of Economics and Statistics (EST), Lungo Dora Siena 100, 10153 Torino, Italy

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Academic employment

Current: **Associate Professor of Economic Policy** (SECS-P/02). Department of Economics and Statistics (EST), University of Turin. Teaches Environmental Economics, Climate Change Economics, Natural Resource Management, Microeconomics (graduate level) since 2001. Supervisor of over 100 master or undergraduate dissertations on environmental policies, 8 doctoral dissertations, 2 post-doc and 15 research fellowships.

2001-October 2015: Assistant Professor of Economic Policy, Department of Economics / Faculty of Political Sciences, University of Turin.

1998-2000: Postdoctoral research fellow, Environment Department, University of York (UK). 1999-2000: Lecturer (Mathematical Methods), Environment Department, University of York (UK),

University senior administration

Member of the Scientific Committee of the Master in Environmental Virology - Università degli Studi di Torino and Regional Environmental protection Agency (ARPA) Piemonte, 2021-.

Supervisor for the Ph.D programme in Economics and Complexity, Università di Torino.

Member of the Research Commission of the Department of Economics and Statistics, Università di Torino, 2021-

President of the Master degree (Laurea Magistrale) in Environmental, Culture and Land Economics, University of Turin, 2016-2019.

Vice-President of the Master degree in Environmental, Culture and Land Economics, University of Turin, 2013-2015.

Deputy Director and Head of Teaching of the Department of Economics and Statistics (EST), Università di Torino, Oct. 2016-Sept. 2018.

Member of the Teaching Commission of the Department of Economics and Statistics, Università di Torino, 2010-2015.

Policy consultancy

Policy consultant since 2005 for several national and international bodies, among which United Nations Environment Programme for the design of ecological fiscal reforms in developing countries (Mauritius, Ghana, Kenya); Environmental protection Agencies in Italy, Italian Ministry of the Environment,

Environment DG of Piedmont Region, Po River Basin Organization, Gran Paradiso National Park (and others), for the design and evaluation of policies in the areas of water resource management, air quality, protection of biodiversity, environmental impact of infrastructures.

Member of the Ministerial Commission on Environmental Accounting (Ministry of Economy and Finances, Italian Government), in charge of designing the draft law on environmental accounting, 2006-2008.

Member of the Advisory Board for the *Environmental Protection Mission* of Fondazione Compagnia di San Paolo (2020-).

Other appointments

President of MACA - Museum of Environmental Education, Turin (Italy), 2023-2026.

Member of the Board of Directors of P.R.I.S.M.A Scrl for 2022-2024.

Vice-President of Italian Association of Environmental and Resource Economists (IAERE), 2016-2019.

Topic Editorial Board Member of the Journal *Sustainability* (Impact Factor: 3.889).

Director, IRIS – Interdisciplinary Research Institute on Sustainability, University of Turin (www.iris-sostenibilita.net), 2003-2007.

Referee for: Environmental and Resource Economics, Ecological Economics, Journal of Environmental Management, International Journal of Agricultural Resources, Governance and Ecology, Environment and Development Economics, International Journal of the Commons, Ecological Indicators, Journal of Environmental Planning and Management, Environmental Politics, Information Economics and Policy.

Education and training

Post-Ph.D, 1999-2000, University of York (UK). *Policies for the conservation of biodiversity – Global Invasive Species Programme*.

D.Phil. in Environmental Economics and Environmental Management, 1999. University of York (UK). Dissertation on *Economic Activity and the Resilience of Ecological Systems: Complexity, Nonlinearities and Uncertainty in Economic-Ecological Modelling*.

Master of Science in Economics, 1993. CORIPE, Torino (Italy).

University: First class degree (110/110, Cum Laude and ‘Dignità di stampa’) in Political Science with specialization in Economics, 1992. University of Turin, Italy. *Environmental Quality Control through Emission Trading*.

Prizes

K. M. Stott Prize for the best D.Phil Dissertation in Science or Medicine for the academic year 1999/2000, University of York, July 2000.

Teaching management

Design and coordination of the Master’s degree in Environmental, Cultural and Territorial Economics (www.eact.unito.it), University of Turin, 2012-current.

Design and coordination of the specialization in Environmental Economics and Policy of the postgraduate degree in Development, Environment, Cooperation, Faculty of Political Science, Università di Torino, 2008-2012.

Research

Scientific coordinator of the following projects:

- *Participatory and Digital Ecological Transition for Mountain Communities (INTERFACE)*, Flagship Project 3 of SPOKE 4, “*Montagna digitale e sostenibile*”, PNRR – Innovation Ecosystems. 2022-2025.

- *Managing corporate climate and transition risks*, PON Project ex- DM n 1062/21. Action IV.6. In collaboration with Golder Associates /WSP, 2022-2025.
- *Water footprint of food production. Data driven analysis and impact reduction strategies*. Department of Economics and Statistics (Est), UniTO. PON Project ex- DM n 1062/21. Action IV.6. 2022-2025.
- *Implementation of economic analysis ex Water Framework Directive in support of Po river basin policy planning*. Memorandum of understanding between Northern Italy Universities, National Research Council and Po River Basin Organization (scientific coordinator for the University of Turin). 2020-2023.
- *Improving the conservation status of critically endangered orchid communities in selected habitats in Northwestern Italy* (LIFEorchids), LIFE Project NAT/IT/000596. Coordinated By UniTO (Department of Biology). Responsible for Actions B2 and D3, economic valuation of ecosystem services. 2018-23.
- *Economic Analysis of the Management Plan for the Po River Basin in the Piedmont Region*, in collaboration with Piedmont Region – DG Environment, Governance and Territorial Protection, 2015-2018.
- *Observing, modelling and testing synergies for the adaptive management of multiple impacts in coastal systems* (TETRIS), Inter-University research project (PRIN) funded by the Italian Ministry of University and Research, 2013-2016. Scientific coordinator of the UniTo local unit.
- *Policy, macro-economic assessment and instruments to empower governments and business to advance resource efficiency and move towards a green economy*, UNEP Project 61-P3 United Nations Environment Programme, 2014-15 (with Ethisham Ahmad (LSE), Giorgio Brosio, Vito Frontuto, Santino Piazza), to design ecological tax reforms for the governments of Ghana, Mauritius and Kenya.
- *Sustainability of the Piedmontese socio-economic system: material and energy flows, environmental impact of infrastructures and of energy supply*, in collaboration with Ires Piemonte and Dipartimento Interateneo Territorio of the Polytechnic of Torino. 2006-2008, Funding: Piedmont Region, Bando regionale sulla ricerca scientifica applicata 2004.
- *Monetary evaluation of externalities from public infrastructures*, with Ugo Colombino. Funding: Office for the Evaluation of Public Policies, Piedmont Region (2004- 2007).
- *Coordination of environmental accounting at different levels of government*", with Giorgio Brosio. 2004-2006, Funding: Piedmont Region (competitive call on applied scientific research 2003).
- *Environmental policies in decentralized governmental systems*, with A. Breton, G. Brosio. Funding: Compagnia di San Paolo (2002-2006).
- *Economics of Invasive Species*, within the Global Invasive Species Programme, in collaboration with SCOPE (Scientific Committee on Problems of the Environment) and UNEP, United Nations Environment Programme. With Prof. Charles Perrings (Environment Department, University of York) and Prof. Mark Williamson (Department of Biology, University of York) (1998-2000).

Member of the research team of 6 more EU or international research projects.

Organisation of conferences and workshops

Head of the Scientific and Organizing Committee of the VI Annual Conference of the Italian Association of Environmental and Resource Economists (IAERE), Turin, 15-16 February 2018.

Member of the Programme Committee of the European Association of Environmental and Resource Economists - EAERE 2000 Annual Conference (Crete) and of EAERE 2011 Annual Conference (Rome).

Organizer of several international symposia on environmental governance.

Selected Publications

Author of more than 50 scientific publications, among which:

Articles in scientific journals

FRONTUTO V., DALMAZZONE S., SALCUNI F., PEZZOLI A (2020), "Risk aversion, inequality and the economic evaluation of flood damages: a case study in Ecuador". *Sustainability*, 12, Impact Factor: 2.576.

- LA NOTTE A., DALMAZZONE S. (2018). Sustainability assessment and causality nexus through ecosystem service accounting: The case of water purification in Europe. *Journal of Environmental Management*, 1; 223:964-974. Impact Factor 4.005.
- LA NOTTE. A, MAES J., DALMAZZONE S., CROSSMAN N.D., GRIZZETTI B., BIDOGLIO G. (2017), "Physical and monetary ecosystem service accounts for Europe: A case study for in-stream nitrogen retention", *Ecosystem Services*, 23, pp. 18–29. Impact factor 4.307.
- FRONTUTO V., DALMAZZONE S., VALLINO E., GIACCARIA S. (2017), "Earmarking conservation: further inquiry on scope effects in stated preference methods". *Tourism Management*, 60, pp. 130–139. Impact Factor 3.140.
- GIACCARIA S., FRONTUTO V., DALMAZZONE S. (2016). "Valuing externalities from energy infrastructures through stated preferences: A geographically stratified sampling approach". *Applied Economics*, 48(56), pp. 5497-5512 -, pp.1-29, Impact Factor 0.613.
- DALMAZZONE S., GIACCARIA S. (2014). "Economic drivers of biological invasions: A worldwide, biogeographic analysis", *Ecological Economics* 105, pp. 154-165, Impact Factor 2.855.
- DALMAZZONE S., LA NOTTE A. (2013). "Multi-scale environmental accounting: Methodological lessons from the application of NAMEA at sub-national levels", *Journal of Environmental Management*, vol. 130: 405-416, 4797, Impact Factor 3.057.
- BAGLIANI M., BRAVO G, DALMAZZONE S. (2008). "A consumption-based approach to environmental Kuznets curves using the ecological footprint indicator." *Ecological Economics*. vol. 65, pp. 650-661, Impact Factor 1.912,
- PERRINGS, C, M. WILLIAMSON, E. B. BARBIER, D. DELFINO, DALMAZZONE S., J. SHOGREN, P. SIMMONS, A. WATKINSON. (2002). "Biological Invasion Risks and the Public good: An Economic Perspective". *Conservation Ecology* (now *Ecology & Society*): vol. 6(1), 1195-5449. Impact Factor: 3.310.

Articles in volumes

- FRONTUTO V., DALMAZZONE S., MANCIN P., GIANNETTA A., CALA' D. (2021), "Environmental and Resource Costs Assessment and the Case for Reforming the Italian System of Water Abstraction Charges", in "Water law, policy and economics in Italy", P. Turrini, A. Massarutto and M. Pertile (eds): Springer.
- DALMAZZONE, S. (2015), "Decentralization in environment and climate change policies." In Ahmad, E. and Brosio G. (Eds), *Handbook of Multilevel Finance*. Cheltenham, UK: Edward Elgar (pp. 546-566).
- LA NOTTE A., DALMAZZONE S. (2013), "Feasibility and uses of the NAMEA-type framework applied at the local level: case studies in North-Western Italy". In Costantini, V., Mazzanti, M., Montini, A. (eds), *Hybrid Economic-Environmental Accounts*. Routledge, ISBN: 978-0-415-59421-9 (pp. 80-103).
- DALMAZZONE, S., LA NOTTE, A. (2009), "Environmental Accounting at Different Levels of Government: The State of the Art", in Breton, A., Brosio, G., Dalmazzone, Silvana, Garrone, Giovanna, eds. *Governing the Environment: Salient Institutional Issues*. New Horizons in Environmental Economics. Cheltenham, U.K. and Northampton, Mass.: Elgar (pp. 266-290).
- DALMAZZONE S. (2008). "Economics and Policy of Biodiversity Loss". In: Clini, C., Musu, I., Gullino, M.L. (Eds) *Sustainable Development and Environmental Management*. ISBN: 9781402065972. Dordrecht: Springer (Netherlands) (pp. 451-466).
- ALBERT BRETON, GIORGIO BROSIO, DALMAZZONE S., GIOVANNA GARRONE. (2007). "Trends in environmental governance: Evidence from seventeen countries". In: A. Breton, G. Brosio, S. Dalmazzone, G. Garrone Eds. *Decentralization and the environment*. ISBN: 9781847203984. Cheltenham, UK: Edward Elgar (pp. 618- 634).

Books

- BRETON, A. BROSIO, G., DALMAZZONE S., GARRONE, G. (Eds) (2009), *Governing the environment: Salient institutional issues*. New Horizons in Environmental Economics. Cheltenham, U.K. and Northampton, Mass.: Elgar.

BRETON, A. BROSIO, G., DALMAZZONE S., GARRONE, G. (Eds) (2007). *Environmental Governance and Decentralization*. Cheltenham, UK: Edward Elgar.

PERRINGS C., M. WILLIAMSON, AND S. DALMAZZONE (Eds) (2000), *The Economics of Biological Invasions*, Cheltenham, UK: Edward Elgar.

DALMAZZONE S. (1999). *Economic Activity and the Resilience of Ecological Systems: Complexity, Nonlinearities and Uncertainty in Economic-Ecological Modelling*. Ph.D. dissertation. YORK: University of York, UK.

Articles under review

MENEGAT S., FRONTUTO V., DALMAZZONE S. (2023), “Distributional impacts of the extension of the EU-ETS to transport fuels”. Submitted to Energy Policy.

COLLINI D., BARLETTI L., DALMAZZONE S, FRONTUTO V., BULLERI F., TAMBURELLO L., MATERASSI M. (2023), “Modelling species interaction in coastal ecosystems via a space-implicit dynamical model breaking the law of mass action”. Submitted to *Scientific Reports*.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV.

Torino, 07/07/2023

A handwritten signature in blue ink, appearing to be 'S. Dalmazone', written in a cursive style.