

CURRICULUM VITAE

STEFANO F. VERDE

Address

University of Siena
Department of Economics and Statistics
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Academic positions

01/2022 – Assistant professor (tenure track), Dept. of Economics and Statistics, University of Siena
05/2021 – 12/2021 Adjunct professor, LUISS University, Rome, Italy
09/2019 – 12/2021 Deputy director, Florence School of Regulation - Climate (FSR-Climate), EUI
04/2017 – 08/2019 Research fellow, FSR-Climate, EUI
04/2012 – 03/2017 Research associate, FSR-Climate, EUI
10/2007 – 09/2009 Research assistant, Dept. of Economics, Trinity College Dublin, Ireland

Qualifications

10/2019 – 10/2028 National Scientific Qualification as Associate Professor in Economic Policy (Abilitazione Scientifica Nazionale, Professore II Fascia, 13/A2 Politica economica)
07/2018 – 07/2024 National Scientific Qualification as Associate Professor in Public Economics (Abilitazione Scientifica Nazionale, Professore II Fascia, 13/A3 Scienza delle finanze)

Education

10/2007 – 03/2012 Ph.D. in Economics, Trinity College Dublin, Ireland
Thesis: *Essays on carbon taxation and food demand in Ireland*
(supervisor: Prof. Richard Tol)
09/2006 – 09/2007 M.Sc. in Economics, Trinity College Dublin, Ireland
Thesis: *Agricultural trade liberalisation within the Euro-Mediterranean Partnership: estimating potential imports of major EU economies*
(supervisor: Prof. Alan Matthews)
10/2000 – 07/2006 B.A. in Economics, Università di Roma Tor Vergata, Italy
Thesis: *Early warning systems for currency crises*
(supervisor: Prof. Riccardo Faini)
Final grade: 109/110
09/2003 – 02/2004 Erasmus Programme at Université Montesquieu – Bordeaux IV, France

09/1995 – 06/2000 High school degree in humanities, Liceo Giulio Cesare, Rome, Italy
Final grade: 100/100

Teaching experience

01/2022 – Assistant professor, *Economics of energy markets and resources*, Master of Science in Environmental Economics and Sustainability, University of Siena

05/2021 – 12/2021 Adjunct professor, *EU Environment and Climate Policies*, Master in European Studies and Master in European Law and Policies, LUISS University (Rome, Italy)

10/2020 Co-director of executive training *Linking emissions trading systems* (four weeks), LIFE DICET project

07/2018 Scientific coordinator of executive training *The EU Emissions Trading System* (five weeks), LIFE SIDE project

02/2018 Scientific coordinator of executive training *The EU Emissions Trading System* (two days), LIFE SIDE project

05/2013 – Occasional seminars, EUI and University of Florence (dept. of Political Science)

10/2007 – 05/2011 Teaching assistant in Mathematics and Statistics (88 hours/year), Dept. of Economics, Trinity College Dublin, Ireland (Prof. Carol Newman and Prof. Jacco Thijssen)

Fundraising and project management

09/2019 – 09/2022 *LIFE DICET – Deepening International Cooperation on Emissions Trading*
Role: Main author of the project proposal and scientific coordinator
Funder: EU LIFE Programme (€960K, 55% co-financing)

09/2018 – 05/2020 *FRESCO – The future of renewable energy communities*
Role: Principal Investigator
Funder: Fondation Tuck (France) (€47K)

12/2016 – 11/2020 *INNOPATHS – Innovation pathways, strategies and policies for the low-carbon transition in Europe*
Role: Researcher
Funder: EU Horizon 2020

09/2016 – 12/2018 *LIFE SIDE – Supporting the Implementation and Development of the EU ETS*
Role: Co-author of the project proposal and leader for the report *A literature-based assessment of the EU ETS* (available online at www.lifefsideproject.eu/)
Funder: EU LIFE Programme

04/2012 – 06/2014 *Assessment of EU climate policies*
Role: Researcher
Funder: European Commission, DG Climate Action (service contract)

Research interests

Climate change economics and policy (domestic and international)
Sustainable development
Public economics (economic inequality)

Publications

Articles in peer-reviewed journals

- 2020 – *The EU ETS and its companion policies: any insight for China's ETS?*, Environment and Development Economics (2021), 1-19. (with G. Galdi, I. Alloisio and S. Borghesi)
- 2019 – *The impact of the EU Emissions Trading System on competitiveness and carbon leakage: the econometric evidence*, Journal of Economic Surveys (2020), 34(2), 320-343.
- 2019 – *The impact of the EU Emissions Trading System on low-carbon technological change: the empirical evidence*, Ecological Economics, 164, 106347. (with J. Teixidó and F. Nicolli)
- 2018 – *Installation entries and exits in the EU ETS: patterns and the delay effect of closure provisions*, Energy Economics (2019), 78, 508-524. (with C. Graf and T. Jong)
- 2018 – *Free allocation rules in the EU Emissions Trading System: what does the empirical literature show?*, Climate Policy (2019), 19(4), 439-452. (with C. Marcantonini, J. Teixidó and X. Labandeira)
- 2018 – *The signaling effect of gasoline taxes and its distributional implications*, Journal of Economic Inequality (2019), 17, 145-169. (with S. Tiezzi)
- 2017 – *Is the gasoline tax regressive in the twenty-first century? Taking wealth into account*, Ecological Economics, 138, 109-125. (with J. Teixidó)
- 2016 – *Differential demand response to gasoline taxes and gasoline prices in the US*, Resource and Energy Economics, 44, 71-91. (with S. Tiezzi)
- 2015 – *Energy and climate hand-in-hand: financing RES-E support with carbon revenues*, Energy Policy (2016), 88, 234-244. (with M.G. Paziienza)
- 2009 – *The distributional implications of a carbon tax in Ireland*, Energy Policy, 37, 407-412 (with T. Callan, S. Lyons, S. Scott, and R. Tol)
- 2009 – *The distributional impact of a carbon tax in Ireland*, The Economic and Social Review, 40(3), 317-338 (with R. Tol)

Articles under review in peer-reviewed journals

- The international dimension of the EU Emissions Trading System: bringing the pieces together*, 'Revise and resubmit' with Environmental and Resource Economics. (with S. Borghesi)

Books and reports

- 2022 – *Emissions trading systems with different offsets provisions: implications for linking*, FSR Research Report. (with G. Galdi, S. Borghesi, J. Füssler, T. Jamieson, E. Wimberger and L. Zhou)
- 2021 – *Emissions trading systems with different measures for carbon leakage prevention: implications for linking*, FSR Research Report. (with G. Galdi, S. Borghesi, J. Füssler, T. Jamieson, E. Wimberger and L. Zhou)
- 2020 – *The future of renewable energy communities in the EU – An investigation at the time of the Clean Energy Package*, FSR Research Report. (with N. Rossetto)
- 2020 – *Emissions trading systems with different levels of environmental ambition: implications for linking*, FSR Research Report. (with G. Galdi, S. Borghesi, J. Füssler, T. Jamieson, E. Wimberger and L. Zhou)

2020 – *Emissions trading systems with different price control mechanisms: implications for linking*, FSR Research Report. (with G. Galdi, S. Borghesi, J. Füssler, T. Jamieson, E. Wimberger and L. Zhou)

Chapters

2021 – *A taxonomy of energy communities in liberalised energy systems*, in: Löbbe, S., Sioshansi, F. and D. Robinson (eds.), *Energy communities: customer-centered, market-driven, welfare-enhancing?*, Academic Press/Elsevier, *Forthcoming*. (with Nicolò Rossetto and T. Bauwens)

2019 – *The EU Emissions Trading System*, in: FSR-Climate, *Informing the Carbon Market Policy Dialogue – The emissions trading systems at a glance*, Florence School of Regulation, European University Institute. (with G. Galdi, I. Alloisio and S. Borghesi)

2014 – *Distributional effects of carbon pricing in Ireland - A CGE approach*, in: Tiezzi, S. and C. Martini (eds.), *Is the Environment a Luxury?*, Routledge.

Working papers

2017 – *The signaling effect of gasoline taxes and its distributional implications*, EUI Working Paper RSCAS 2017/06. (with S. Tiezzi). Revised version published in *Journal of Economic Inequality* (2018).

2016 – *Installation entries and exits in the EU ETS industrial sector*, EUI Working Paper RSCAS 2016/19. (with C. Graf, T. Jong and C. Marcantonini). Revised version published in *Energy Economics* (2018).

2014 – *Overreaction to excise taxes: the case of gasoline*, EUI Working Paper RSCAS 2014/54. (with S. Tiezzi). Revised version published in *Resource and Energy Economics* (2016).

2013 – *Fiscal limits on first-best climate policy: A CGE analysis for Europe*, Dept. of Economics Working Paper 5813, University of Sussex. (with R.S.J. Tol)

2013 – *Cost recovery of RES-E support in Italy: A new case for a carbon tax*, EUI Working Paper RSCAS 2013/72. (with M.G. Paziienza). Revised version published in *Energy Policy* (2016).

2009 - *A note on carbon pricing and approaches to climate change*, Climate Justice Working Paper, Institute for International Integration Studies, Trinity College Dublin.

Policy briefs

2021 – *The biochar system in the EU: the pieces are falling into place, but key policy questions remain*, EUI Policy Brief RSCAS 2021/18. (with D. Chiaramonti)

2020 – *Achieving zero emissions under a cap-and-trade system*, EUI Policy Brief RSCAS 2020/26. (with W. Acworth, C. Kardish and S. Borghesi)

2018 – *The international dimension of the EU Emissions Trading System*, EUI Policy Brief RSCAS 2018/22. (with S. Borghesi and T. Zhu)

2017 – *The EU ETS and its interactions with other climate and energy policies*, EUI Policy Brief RSCAS 2017/21. (with C. Marcantonini, J. Teixidó and X. Labandeira)

2017 – *Low-carbon innovation and investment in the EU ETS*, EUI Policy Brief RSCAS 2017/22. (with C. Marcantonini, J. Teixidó and X. Labandeira)

2017 – *Free allowance allocation in the EU ETS*, EUI Policy Brief RSCAS 2017/02. (with C. Marcantonini, J. Teixidó and X. Labandeira)

Work in progress

A dynamic carbon tax on gasoline (with V. Di Cosmo)

The impact of the EU ETS on the environmental and economic performances of manufacturing firms in Sweden (with J. Jaraite and S. Schusser)

Are price collars the way forward for linking emissions trading systems?: An agent-based model approach (with G. Galdi)

Technological progress for the rich? (with S. Borghesi and F. Nicolli)

Vehicle registration taxes and fuel economy in Spain (with J. Teixidó)

Gasoline price changes, gasoline price expectations, and vehicle choice (with S. Tiezzi)

Wealth inequality and social acceptance of carbon pricing (with T. Cherry)

Conference and seminar presentations (selection)

- 10/2021 *Climate policy: the international regime and the EU approach*, Invited seminar in the FSR tailor-made training for Baker & Hughes, Florence School of Regulation, EUI, Florence (Italy).
- 05/2021 *Achieving zero emissions under a cap-and-trade system*, Invited presentation at the *Florence Process*, European Commission (DG Climate Action) – online.
- 05/2021 *Carbon markets for increasing international ambition*, CLIMATE EXP0 Panel, British COP26 Universities Network and Italian University Network for Sustainable Development - online.
- 03/2021 *Biochar and greenhouse gas removals: what policy framework should the EU adopt?*, Florence School of Regulation, EUI, Florence (Italy) – online.
- 12/2020 *Linking emissions trading systems: are price collars the way forward?*, School of Transnational Governance, EUI, Florence (Italy) – online.
- 06/2020 *The impact of the EU ETS on the environmental and economic performances of manufacturing firms in Sweden*, 6th EAERE Conference, Berlin (Germany) – online.
- 11/2019 *Gasoline price uncertainty, new vehicle fuel economy and dynamic carbon taxation*, FSR-Climate Annual Conference, EUI, Florence (Italy).
- 10/2019 *The future of renewable energy communities*, Future of Energy - Results Workshop, Fondation Tuck, Paris (France).
- 05/2019 *The future of renewable energy communities*, FSR Policy Advisory Council, EUI, Florence (Italy).
- 11/2018 *A literature-based assessment of the EU ETS – Results of the report*, LIFE SIDE Final conference EUI, Florence (Italy).
- 06/2018 *The signaling effect of gasoline taxes and its distributional implications*, 6th World Congress of Environmental and Resource Economists, Gothenburg (Sweden).
- 05/2018 *A literature-based assessment of the EU ETS*, LIFE SIDE, European Parliament, Brussels (Belgium).
- 02/2018 *An adjustable carbon tax on gasoline*, 6th IAERE Annual Conference, Turin (Italy).
- 06/2017 *Is the gasoline tax regressive in the twenty-first century? Taking wealth into account*, 23rd EAERE Conference, Athens (Greece).
- 11/2016 *Is the gasoline tax regressive in the twenty-first century? Taking wealth into account*, Invited seminar, University of Umeå, Department of Economics, Umeå (Sweden).
- 06/2016 *Differential demand response to gasoline taxes and gasoline prices in the US*, 7th Atlantic Workshop on Energy and Environmental Economics, A Toxa (Spain).
- 12/2015 *Installation entries and exits in the EU ETS industrial sector*, FSR-Climate Annual Conference, EUI, Florence (Italy).

- 02/2014 *Replacing Italy's RES-E surcharge with a carbon tax: A macroeconometric analysis*, 2nd IAERE Conference, Milan (Italy).
- 10/2013 *Distributional implications of support for renewable electricity*, FSR Webinar, EUI, Florence (Italy).
- 10/2013 *Cost recovery of RES-E support in Italy: A new case for a carbon tax*, CPRU Annual Conference, EUI, Florence (Italy).
- 06/2013 *Fiscal limits on first-best climate policy: A CGE analysis for Europe*, 20th EAERE Conference, Toulouse (France).
- 05/2013 *Distributional effects of climate policy: fundamentals and a CGE application*, Invited seminar, University of Florence, Department of Political and Social Sciences (Italy).
- 09/2012 *Distributional effects of carbon pricing in Ireland: A CGE approach using GTAP*, Invited seminar, Fondazione Eni Enrico Mattei, Venice (Italy).

Professional service

Advisory experience

- 2021 – 2023 *LIFE VII EW 2050 – The impact assessment of the EU Emissions Trading System with the long-term vision for a climate neutral economy by 2050*, Centre for Climate and Energy Analyses, Institute of Environmental Protection – National Research Institute (Warsaw, Poland), Member of the project Advisory Board
- 2021 – 2022 *Implementing Climate Policies*, Centre for European Studies, Australian National University (Canberra, Australia), Member of the project Advisory Board
- 2020 – *Environmental Management System of the European University Institute*, Member of the Steering Committee

Journal refereeing (selection)

Environmental and Resource Economics, Energy Economics, Energy Journal, Climate Policy, Energy Policy, Sustainability, Technological Forecasting and Social Change, Economic Analysis and Policy

Training courses and workshops attended

- 04/2019 Executive Training Seminar *Global quest for investment finance for the low-carbon economy* (two-day), EUI School of Transnational Governance, EUI
- 09/2018 IAERE Summer School *Experimental methods in environmental economics and resource economics* (five-day), University of Bologna (Italy)
- 06/2017 EUI Max Weber Programme (MWP) Workshop (one-day): *Survey experiments* (T. Leeper, LSE), EUI.
- 05/2016 EUI MWP – FSR-Climate Workshop (one-day): *Field and lab experiments in climate policy*, EUI.
- 05/2016 Training course (four-day) *Running experiments*, Experimental Working Group (joint Economics and Political and Social Sciences dept.), EUI
- 11/2013 Training course (three-day) *EUROMOD model* (ISER, University of Essex), Colchester (UK)
- 06/2013 Training course (two-day) *E3ME model* (Cambridge Econometrics), Cambridge (UK)
- 05/2009 Training course (five-day) *CGE modelling*, Warsaw (Poland)

Languages

Italian: Native speaker. *English*: Fluency in speaking, reading and writing. *French*: Fluency in reading, competency in speaking and writing.

Software

Stata, GEMPACK, Matlab, Microsoft Office programs