

# CURRICULUM VITAE

STEFANO F. VERDE

## Address

---

University of Siena  
Department of Economics and Statistics  
Piazza San Francesco 7, 53100 Siena, Italy  
stefano.verde@unisi.it

## 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

---

09/2022 – Assistant professor, *International economics*, Degree in Economics and Management, University of Siena

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

---

01/2023 – 12/2025 *LIFE COASE – Collaboratory Observatory for ASsessment of the EU ETS*  
Role: Main author of the project proposal and consultant  
Funder: EU LIFE Programme (€1.3M, 55% co-financing)

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/](http://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 areas

---

Climate change economics and policy  
Energy economics and policy  
Economic policy  
Behavioural economics

## Publications

---

### Articles in peer-reviewed journals

- 2021 – *The international dimension of the EU Emissions Trading System: bringing the pieces together*, Environmental and Resource Economics (2022), 83, 23-46. (with S. Borghesi)
- 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)

### Books and reports

- 2022 – *ETS alignment: a price collar proposal for carbon market integration*, FSR Research Report. (with B. Doda and S. Borghesi)
- 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

2022 – *Building blocks of the EU strategy for climate neutrality*, in: Quirico, O. and F. Baber (eds.), *Implementing climate policy: designing and deploying net zero governance*, Cambridge University Press, Forthcoming. (with I. Conti, N. Rossetto and P. Schlosser)

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 (2022). (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)

*Price collars for linking emissions trading systems* (with S. Borghesi and B. Doda)

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

*Vehicle registration taxes and fuel economy* (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)**

---

- 02/2023 *La questione dell'equità nella transizione energetica*, Invited presentation at the seminar *Unione Europea: le sfide della transizione energetica*, Politecnico di Torino e Centro Studi sul Federalismo, Turin (Italy).
- 08/2022 *A price collar proposal for carbon market integration*, Invited seminar in the ICAP Summer School on Emissions Trading for Emerging Economies and Developing Countries, EUI, Florence (Italy).
- 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*, 6<sup>th</sup> 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*, 6<sup>th</sup> 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*, 6<sup>th</sup> IAERE Annual Conference, Turin (Italy).
- 06/2017 *Is the gasoline tax regressive in the twenty-first century? Taking wealth into account*, 23<sup>rd</sup> 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*, 7<sup>th</sup> 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 macroeconomic analysis*, 2<sup>nd</sup> 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*, 20<sup>th</sup> 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