

CURRICULUM VITAE

SIMONE BORGHESI

PRESENT ACADEMIC POSITIONS AND QUALIFICATIONS

- 2017-today Director FSR Climate, Robert Schuman Center, European University Institute, Florence, Italy
- 2019-today Full Professor in Economic Policy, Department of Political and International Sciences, University of Siena
- 2019-today Secretary General Policy Outreach Committee, European Association Environmental and Resource Economists (EAERE)
- 2022-today President-Elect EAERE
- 2022-today Deputy Rector for International Relations, University of Siena

VISITING SCHOLAR ABROAD

- 2016 (June) Visiting scholar at the Center of Economic Research, Department of Management, Technology and Economics, ETH, Zürich
- 2015 (May) Visiting scholar at the Department of Land Economy, University of Cambridge
- 2013 (June) Visiting scholar at INRA – Institute National de la Recherche Agronomique, Grenoble

EDUCATION

- Ph.D. in Economics (European University Institute, 2001)
- Master of Science (MSc) in Economics with thesis distinction (University College London, 1996)
- Laurea (B.A.) in Economics cum laude and prize (University of Siena, 1995)

HONORS

- 2012 Invited participant by the Prime Minister of Bhutan at the United Nations at the High-Level Meeting on “Happiness and Wellbeing: Defining A New Economic Paradigm”, New York, 2-4/4/2012.
- 2021-22 Invited speaker at panels at the United Nations Conference of the Parties (COP26, Glasgow; COP27, Sharm-El-Sheik)

WORK EXPERIENCE

- 1999 Fondazione ENI Enrico Mattei, Milan
Research group on “Climate Change Modeling and Policy”
- 1998 International Monetary Fund, Department of Fiscal Studies, Washington D.C.
Summer Intern Programme (July-October)

PAPERS AND PUBLICATIONS

He published 3 books (Springer, Palgrave-Macmillan, Carocci), and over 90 articles in edited books and peer-reviewed international journals

Selected publications (since 2015):

1. “How trade policy can support the climate agenda”, (2022), with Jakob M. et al., *Science*, vol. 376 (6600), 1401-1403.

2. “Maladaptation to environmental degradation, and the interplay between negative and positive externalities”, (2022), with Antoci A., Russu P., *European Economic Review*, 143, 104023.
3. “The International Dimension of the EU Emissions Trading System: Bringing the Pieces Together”, (2022), with Verde S., *Environmental and Resource Economics*, 83, 23-46. <https://doi.org/10.1007/s10640-022-00705-x>
4. “Adoption Gaps of Environmental Adaptation Technologies with Public Effects”, (2022), with Antoci A., Galdi G., Vergalli S., *Environmental and Resource Economics*, 83, 313–339. <https://doi.org/10.1007/s10640-021-00561-1>
5. “European green policy announcements and sectoral stock returns”, (2022), with Castellini M., Comincioli N., Donadelli M., Gufler I., Vergalli S., *Energy policy*, 166 (113004).
6. “Should I stay or should I go? Carbon leakage and ETS in an evolutionary model”, (2021), with Antoci A., Iannucci G., Sodini M., *Energy Economics*, 103, 105561.
7. “Living in an uncertain world: Environment substitution, local and global indeterminacy”, (2021), with Antoci A., Galeotti M., Sodini M., *Journal of Economic Dynamics and Control*, vol.126, 103929, <https://doi.org/10.1016/j.jedc.2020.103929>
8. “The EU ETS and its companion policies: any insight for China’s ETS?”, (2021), with Verde S., Galdi G., Alloisio I., *Environment and Development Economics*, <https://doi.org/10.1017/S1355770X20000595>
9. “Climate and Energy Policies After COVID-19”, (2020), with Delbeke J., Glachant J.M., Pototschnig A., Ranci P., *Environmental and Resource Economics*, 76:501–503. DOI: <https://doi.org/10.1007/s10640-020-00493-2>
10. “Outward Foreign Direct Investments Patterns of Italian Firms in the EU ETS”, (2020), with Franco C. and Marin G., *The Scandinavian Journal of Economics*, vol. 122 (1), 219-256, DOI: <https://doi.org/10.1111/sjoe.12323>.
11. “Don’t feed the bears! Environmental defensive expenditures and species-typical behavior in an optimal growth model”, (2019), with Antoci A. and Russu P., *Macroeconomic Dynamics*, doi: 10.1017/S1365100519000397
12. “With or without U(K): a pre-Brexit network analysis of the EU ETS”, (2019), with A. Flori, *PLOS ONE*, doi.org/10.1371/journal.pone.0221587, pp.1-17
13. “EU ETS Facets in the Net: Structure and Evolution of the EU ETS Network”, (2018), with Flori A., *Energy Economics*, 75, 602-635.
14. “The dynamics of foreign direct investment Investments in Land and Pollution Accumulation” (2018), with Giovannetti G., Iannucci G., Russu P., *Environmental and Resource Economics*, 72 (1), 135-154, DOI: 10.1007/s10640-018-0263-7.
15. “Mapping the international flows of GHG emissions within a more feasible consumption-based framework”, (2017), with Caro D., Pulselli F., Bastianoni S., *Journal of Cleaner Production*, 147, 142-151.
16. “Are regional systems greening the economy? Local spillovers, green innovations and firms’ economic performances”, (2016), with D. Antonioli and M. Mazzanti, *Economics of Innovation and New Technology*, 25 (7), 692-713. DOI: <http://dx.doi.org/10.1080/10438599.2015.1127557>
17. “FDI, environmental externalities and capital segmentation in a rural economy”, (2015), with A. Antoci, E. Ticci, P. Russu, *Ecological Economics*, 116, 341-353, DOI: <http://dx.doi.org/10.1016/j.ecolecon.2015.04.029>
18. “Linking emission trading to environmental innovation: evidence from the Italian manufacturing industry”, (2015), with G. Cainelli and M. Mazzanti, *Research Policy*, 44 (3), 669-683, doi: <http://dx.doi.org/10.1016/j.respol.2014.10.014>.

REFEREE for over 40 journals and international organisations including European Central Bank, IPCC, Netherlands Organisation Scientific Research, Social Sciences and Humanities Research Council (SSHRC) of Canada, Swiss National Science Foundation (SNSF)

TEACHING

PRESENT COURSES

Ph.D.: Environment and Development Economics (University of Florence, 2017-today)
Master: Environmental Economics (2012-today), Cultural and Public Economics (2016-today University of Siena)
Undergraduate: Economic Policy (2016-today, University of Siena)

PAST COURSES

ABROAD

2019 Courses at the Summer School on “Economic Foundations for Energy and Climate Policies”, Technischen Universität Berlin (DIW).
2013 Courses in the Advanced Training Program on Eco-Management: Strategy and Policy, Chinese Academy of Social Sciences (CASS) and in the Training Program on Industrial Energy Efficiency, Chinese Ministry for Environmental Protection (MOST), Beijing.
2012 Courses at the Summer School on “Knowledge dynamics, industry evolution and economic development”, CNRS - GREDEG/Universite de Nice Sophia Antipolis, Nice.

IN ITALY (selected)

Applied Economics (2005-12, UniSi), Political Economy (2006-11, UniSi), Economic policy and European Integration, Development Economics and Regional Economics and Fiscal Federalism, (2004-08, University of Pescara), Advanced Training Program on Environmental Management and Sustainable Development, (2006-16, Venice International University, Italian Environmental Ministry and the State Environmental Protection Agency of China).

OTHER ACTIVITIES

MEMBERSHIP AND DIRECTION OF INTERNATIONAL RESEARCH PROJECTS

2023- Director of the research unit of the European University Institute in the H2020 project CAPABLE (ClimAte Policy AcceptaBiLity Economic framework)
2023- Director of the research unit of the European University Institute in the H2020 project SPES (Sustainability Performances, Evidence and Scenarios)
2023- Director of the LIFE project COASE (Collaborative Observatory for ASsessment of the EU ETS), European University Institute and European Commission.
2019-2022 Director of the LIFE project DICET (Deepening International Cooperation on Emission Trading), European University Institute and European Commission.
2017-2018 Director of the LIFE project SIDE (Supporting the Implementation and Development of the EU ETS), European University Institute and European Commission.
2017-2021 Director of the research unit of the European University Institute in the H2020 project INNOPATHS (Innovation pathways, strategies and policies for the low-carbon transition in Europe)
2013-2015 Scientific Coordinator of the project “The future of Carbon Trading regulation in the post-2012 international climate change negotiations”, Venice International University and ENEL Foundation.

2013-2016 Member of the Board of Directors of the University of Siena for the UNITED NATIONS MED SOLUTIONS (Mediterranean Sustainable Development Solutions Network)

Member of the EU (VII Framework) research programmes “Transworld” (2012-2015), “Efficient mix of policy Instruments for Low-carbon development and Innovation – CECILIA” (2012-15), “Financialisation, economy, society and sustainable development – FESSUD” (2011-16), “Development of an Information Technology Tool for the Management of European Southern Lagoons” (2003-04)

MEMBERSHIP AND DIRECTION OF NATIONAL RESEARCH PROJECTS

2023- P.I. of the Research Unit of the University of Siena for Task “Analysis of criticalities and development perspectives of carbon credits markets”, Spoke 9 of the PNRR project AGRITECH

2012-2016 P.I. of the Research Unit of the University of Siena for the PRIN project “Climate change in the Mediterranean area: scenarios, economic impacts, mitigation policies and technological innovation”

2006-2008 Member of the research programme of the University of Siena (PAR-2006) on “Global Warming, the Kyoto Protocol and sustainable development”

2004-2006 Scientific coordinator of the project “Methodological foundations and instruments for the economic valuation of natural resources”, University of Siena and Italian Environmental Protection Agency, Roma.

2001-2003 Member of the PRIN project on “Interaction among heterogeneous agents, imperfect markets, financial fragility and monetary policy”

MEMBERSHIP AND DIRECTION OF RESEARCH CENTERS, BOARDS AND ASSOCIATIONS

President-Elect and Council Member of the Board of the European Association of Environmental and Resource Economics (EAERE) (2022-today)

Deputy Rector for International Relations, University of Siena (2022-today)

President of the Italian Association of Environmental and Resource Economics (IAERE) (2018-2019)

Council Member of the Board of the Italian Association of Environmental and Resource Economics (2016-2021)

Member of CEPR (Center for Economic Policy Research) – Research and Policy Network on Climate Change (2020-today)

Member of the CRM Academic Advisory Council, BROOKINGS INSTITUTION, Center on Regulation and Markets (2021-today)

Member of the Scientific Committee of IRPET (Institute Economic Programming of the Tuscan Region) (2021-today)

Co-Director of the research group R4S (Regulation for Sustainability), University of Siena (2013-today)

Member of the Climate Governance Stakeholder and Expert Group at the School of Transnational Governance (STG), EUI (2019-today)

Research Affiliate of the Interuniversity Research Centre SEEDS – Sustainability Environmental Economics and Dynamics Studies (2014-today)

Member of the International Relations Commission of the University of Siena (2014-2018).

Member of PhD Reading Committee and Examining Board at University of Tor Vergata (2010, 2011, 2016, 2020), Venice (2011, 2017), Roma Tre (2014), Florence (2016), University of Milan (2018), Technischen Universität Berlin (2019), Siena (2020)

ORGANIZATION OF WORKSHOPS AND CONFERENCES (selected)

Chairman of the 1st MED-IAERE International Conference on the Mediterranean (2022, Cagliari).

Scientific Organizer and Chairman of the Plenary Session “The European Green Deal: Prospects and Challenges for the Future”, at the 25th Annual Conference of the European Association of Environmental and Resource Economists (EAERE 2020)

Chairman of FSR Climate Annual Conference, European University Institute (2017-today).

Scientific Organizer and Chairman of Policy Sessions at the Annual Conference of EAERE (2019, Manchester; 2021, virtual; 2022, Rimini) and at World Congress of Environmental Economists (2018, Gothenburg).

Scientific Organizer and Chairman of Workshops at the State of the Union, European University Institute (2018-today).

Course Director of the Executive Training Seminar on “Global quest for investment finance for the low-carbon economy”, School of Transnational Governance, European University Institute, 11-12/4/2019.

Scientific Organizer and Chairman of the Public Debate on “The LIFE SIDE project: Presentation of the EU ETS Assessment Report”, European Parliament, Brussels, 20/6/2018.

Course Director of Residential and Online Training Courses on the EU ETS (2018) and Linking ETS (2021-22), European University Institute.

Course Director of the 3rd Summer School on Economic Foundations for Energy and Climate Policies, European University Institute (2022).

Chairman of Carbon Market Workshop, organized in collaboration with DG Climate Action, European University Institute, 25/9/2017.

Member of the Organizing Committee of the 18th Annual Conference of the European Association of Environmental and Resource Economics (EAERE), Rome, 29/6-2/7/2011.

SEMINARS

Invited/keynote speaker at plenary sessions of international conferences and institutions including World Ecosummit (Columbus, 2012), Columbia University (2012), School of Environment, Tsinghua University (Beijing, 2013), SOAS (London, 2013), EUI Annual Climate Conference (2016, Plenary Session), University of Cambridge (2017), University of East Anglia (2018), Harvard Environmental Economics Program (2018, 2021), SEEDS Annual Workshop (2018, keynote), High-Level Policy Dialogue on Climate Change Governance (Paris, 2019), SIE (Italian Economists Society, 2019, Plenary Roundtable Session), International Emissions Trading Association (2020, 2022), AERNA (Spanish-Portuguese Association of Natural and Environmental Resources Economics, 2021), OECD-Network Economic Regulators (2021), Brookings Institution (2021), United Nations COP26 (Glasgow, 2021), United Nations COP27 (Sharm-el-Sheik, 2022).

Speaker at over 110 seminars and workshops