

LORENZO SILECI

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Research Interests

I am an applied economist working at the intersection of environmental and development economics, with a focus on the spatially heterogeneous impacts of public policy on socioeconomic and ecological outcomes. I approach these questions by leveraging big data, remotely sensed information and causal inference techniques.

Current Employment

Grantham Research Institute on Climate Change and the Environment, LSE Postdoctoral Research Officer <i>The Economics of Biodiversity Additivity (BIOADD)</i>	Feb 2023 - present
LSE, Department of Geography and the Environment Visiting Research Fellow	Apr 2023 - present

Education

London School of Economics and Political Science, UK PhD in Environmental Economics Thesis: "Causal Inference in Spatial Environmental Economics" Examined by Prof. Paul Ferraro and Prof. Hendrik Wolff <i>Awarded without corrections</i>	2018 - 2023
London School of Economics and Political Science, UK MSc in Environmental Economics and Climate Change (Distinction)	2016 - 2017
University of Sydney, Australia Postgraduate Coursework Exchange Program (Distinction)	2015
University of Florence, Italy BA in Economics and Trade (110/110 <i>cum laude</i>)	2011 - 2014

Publications

Groom, B., Palmer, C., and **Sileci, L.** (2022). Carbon emissions reductions from Indonesia's Moratorium on forest concessions are cost-effective yet contribute little to Paris commitments. *Proceedings of the National Academy of Sciences*, 119 (5), February 2022. [Available at PNAS]

Bates, A. E. et al. (2021). Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. *Biological Conservation* 263, 109-175. [Available at Biological Conservation]

Amador-Jiménez, M., Millner, N., Palmer, C., Pennington, R.T. and **Sileci, L.** (2020). The Unintended Impact of Colombia's Covid-19 Lockdown on Forest Fires. *Environmental and Resource Economics* 76, 1081-1105. [Available at Environmental and Resource Economics]

Working Papers

Pagel, J., **Sileci, L.** (2024) More Than Just Carbon: The Socioeconomic Co-benefits of Large-Scale Tree Planting. *Forthcoming in the Grantham Research Institute on Climate Change and the Environment Working Paper Series*

Sileci, L. (2023). Carbon pricing with regressive co-benefits: evidence from British Columbia's carbon tax. *Centre for Climate Change Economics and Policy Working Paper No. 430. Grantham Research Institute on Climate Change and the Environment Working Paper No. 405. [Under Review] [JMP - latest version]*

Palmer, C., Groom, B., **Sileci, L.**, and Langton, S. (2023). Biodiversity-food trade-offs when agricultural land is spared from production. *Geography and Environment Discussion Paper Series (34)*. Department of Geography and Environment, LSE, London, UK. [Revise and resubmit at American Journal of Agricultural Economics] [Available at LSE]

Work in Progress

Carbon Pricing in Presence of Permeable Borders: The Case of British Columbia's 2008 Carbon Tax
Oil Spills, Agricultural Production and Deforestation in Nigeria (with Elena Perra and Marco Sanfilippo)
Policy Layering and Biodiversity Additionality in Indonesia (with Ben Groom and Charles Palmer)

Teaching Experience

GY476: Applied Geographical Information Systems 2022

London School of Economics and Political Science

Student Evaluations: 5/5

GY222: Applied Environmental Economics 2023

London School of Economics and Political Science

Student Evaluations: 4.4/5

GY499: Dissertation 2019-23

London School of Economics and Political Science

GY350: Dissertation 2019

London School of Economics and Political Science

Conferences and Invited Presentations

2024: University of Exeter, ifo Institut, University of Bologna, IAERE (declined), MEEP (University of Hamburg, invited speaker), XII Giorgio Rota Award Conference, SEEDS (declined), 1st GSSI ECCD Workshop, 14th TSE Energy and Climate Conference (declined), NAERE Workshop (declined), EAERE

2023: IAERE (declined), envecon23, AERE, EAERE, XXIV BIOECON, Climate Economics Chair - Paris Dauphine, GRI Empirical Seminar

2022: LSE Geography, SASCA PhD Conference, LSE WIP Seminar

2021: LSE Geography, UniFi DELoS Seminar

2020: SWEEET, LSE Geography, GRI Seminar

2019: LSE Geography, GRI Seminar, LEEPIn Conference

2018: LSE Geography, LSE South East Asia Centre, XX BIOECON

Other Experience

European University Institute <i>Research Associate, Robert Schuman Centre for Advanced Studies, Global Governance Programme</i> Project: Services and Economic Development in Africa	Jan 2021 - Aug 2021
European University Institute <i>Research Assistant, Robert Schuman Centre for Advanced Studies, Global Governance Programme</i>	May 2020 - Jan 2021
Carbon Cap Management LLP, London, UK <i>External Consultant</i>	May 2019 - Jun 2019
LSE Middle East Centre <i>Research Assistant</i>	Jan 2018 - Apr 2018
Grantham Research Institute for Climate Change and the Environment <i>Research Assistant</i>	Sep 2017 - Apr 2018
LSE, Department of Geography and Environment <i>Research Assistant</i>	Sep 2017 - Feb 2018

Technical Skills, Languages, Service

Statistical Software	R, STATA, Python
Other Software & Tools	LaTeX, Google Earth Engine, QGIS, RMarkdown, GitHub, MS Office
Languages	Italian (native), English (fluent), Spanish (basic)
Refereeing	Environmental and Resource Economics
Supervision	Dissertation co-supervisor MSc EECC (LSE)

Awards and Scholarships

University of Florence, Italy <i>Productivity and Merit Scholarship</i>	2011-2014
Regione Toscana, Italy <i>Abroad Master Scholarship, €14,000</i>	2016-2017
LSE South East Asia Centre, UK <i>Research Grant, £5,000</i>	2018
Economic and Social Research Council, UK <i>PhD Research Scholarship, full stipend</i>	2018-2022
Centro Einaudi and Fondazione CRT, Italy <i>XII Giorgio Rota Best Paper Award (1st prize), €2,500</i>	2024
European Association of Environmental and Resource Economists <i>EAERE Best Doctoral Dissertation Award</i>	2024

References

Prof. Ben Groom

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Prof. Charles Palmer

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Prof. Paul Ferraro

Carey Business School
Bloomberg School of Public Health
Whiting School of Engineering
Johns Hopkins University

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Dr. Sefi Roth

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