

LORENZO SILECI

Grantham Research Institute on Climate Change and the Environment
London School of Economics and Political Science, Houghton Street, London WC2A 2AE
✉ l.sileci@lse.ac.uk • ☎ +393284477266 • lorenzosileci.com

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 Additionality (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

Palmer, C., Groom, B., **Sileci, L.**, and Langton, S. (2024). Biodiversity-food trade-offs when agricultural land is spared from production. [*Conditionally accepted* at the *American Journal of Agricultural Economics*] [[Available at LSE](#)]

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. *Grantham Research Institute on Climate Change and the Environment Working Paper Series No. 410*. [Under Review] [GRI WP]

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]

Work in Progress

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)

Large-scale Tree Planting, Land-use Change and Biodiversity (with Jeff Pagel and Charles Palmer)

Accounting for biodiversity and carbon additionality risk in the Amazon in the presence of deforestation and regrowth (with Ben Balmford, Ben Groom, Ville Inkinen, Sarah Meier, Charles Palmer, Diana Weinhold)

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, XII Giorgio Rota Award Conference, 1st GSSI Environment, Climate Change and Disasters Workshop, EAERE (online), XXV BIOECON, Nordic Environmental and Resource Economics Seminar, University of Sydney (scheduled), Monash Environmental Economics Workshop 2024 (scheduled), 10th FSR Climate Conference (scheduled)

2023: envecon23, AERE, EAERE, XXIV BIOECON, Paris Dauphine Climate Economics Chair Conference, 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

Department of Economics
University of Exeter

✉ B.D.Groom@exeter.ac.uk

Prof. Charles Palmer

Department of Geography and the Environment
London School of Economics and Political Science

✉ c.palmer1@lse.ac.uk

Prof. Paul Ferraro

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

✉ pferrar5@jhu.edu

Dr. Frank Venmans

Grantham Research Institute on
Climate Change and the Environment
London School of Economics and Political Science

✉ F.Venmans1@lse.ac.uk