

# LORENZO SILECI

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## Research Interests

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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

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

## Education

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<b>London School of Economics and Political Science, UK</b> 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
<b>London School of Economics and Political Science, UK</b> MSc in Environmental Economics and Climate Change (Distinction)	2016 - 2017
<b>University of Sydney, Australia</b> Postgraduate Coursework Exchange Program (Distinction)	2015
<b>University of Florence, Italy</b> BA in Economics and Trade (110/110 <i>cum laude</i> )	2011 - 2014

## Publications

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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

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**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.* [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

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Carbon Pricing in Presence of Permeable Borders: The Case of British Columbia's 2008 Carbon Tax

More Than Just Carbon: The Socioeconomic Impact of Large-Scale Tree Planting (with Jeffrey Pagel)

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

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<b>GY476: Applied Geographical Information Systems</b>	2022
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*London School of Economics and Political Science*

Student Evaluations: 5/5

<b>GY222: Applied Environmental Economics</b>	2023
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*London School of Economics and Political Science*

Student Evaluations: 4.4/5

<b>GY499: Dissertation</b>	2019-23
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*London School of Economics and Political Science*

<b>GY350: Dissertation</b>	2019
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*London School of Economics and Political Science*

## Conferences and Invited Presentations

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**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:** SWEET, LSE Geography, GRI Seminar

**2019:** LSE Geography, GRI Seminar, LEEPIn Conference

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

## Other Experience

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

## Technical Skills, Languages, Service

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

## Awards and Scholarships

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

## References

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**Prof. Ben Groom**

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University of Exeter

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**Prof. Charles Palmer**

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

✉ [c.palmer1@lse.ac.uk](mailto:c.palmer1@lse.ac.uk)

**Prof. Paul Ferraro**

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

✉ [pferraro@jhu.edu](mailto:pferraro@jhu.edu)

**Dr. Sefi Roth**

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