

## Research interests

- Primary** Urban economics and urban modeling for climate policy evaluation.  
**Secondary** Distributional impacts of urban climate policies.

## Education

- Jan 2021 - Dec 2023 **PhD candidate**, CIRED (Centre International de Recherche sur l'Environnement et le Développement, Paris) and Technische Universität Berlin.  
♦ Topic : Large-scale urban modeling for environmental diagnosis and policy.  
♦ Supervisors : Vincent Vigié (CIRED), Felix Creutzig (TU Berlin, MCC).
- 2018 - 2019 **Master in Economics**, Ecole Polytechnique and ENSAE, France.  
♦ Specialization : Urban economics, Development Economics, Environmental Economics, Public Policy Evaluation.  
♦ Master thesis : "Planning for environmental justice – reducing well-being inequalities through urban greening", supervised by Léa Tardieu (INRAE, CIRED) and Yann Kervinio (CIRED).
- 2016 - 2019 **ENSAE ParisTech**, Engineering degree in Economics and Statistics.  
♦ Advanced courses in econometrics, quantitative economics and sociology, and machine learning.  
♦ Specialization : Data Science and Social Sciences
- 2014 - 2016 **BL - CPGE Lycée Janson-de-Sailly**, Two years of intensive preparatory courses in Economics and Social Sciences (BL).

## Publications and work in progress

- Publications** Liotta, C., Vigié, V., Creutzig, F. 2023 *Policy portfolios can reduce GHG emissions in urban transport in 120 cities by 20% while improving welfare*. Nature Sustainability.
- Lepetit, Q., Vigié, V., Liotta, C. 2023. *A gridded dataset on densities, real estate prices, transport, and land use inside 192 worldwide urban areas*. Data in Brief 47, 108962.
- Vigié, V., Liotta, C., Pfeiffer, B., Coulombel, N. 2023. *Can public transport improve accessibility for the poor over the long term? Empirical evidence in Paris, 1968-2010*. Journal of Transport Geography 106, 103473.
- Liotta, C., Vigié, V., Lepetit, Q. 2022. *Testing the monocentric standard urban model in a global sample of cities*. Regional Science and Urban Economics, 103832.
- Liotta, C., Y. Kervinio, H. Levrel, Tardieu, L. 2020. *Planning for environmental justice—reducing well-being inequalities through urban greening*. Environmental Science and Policy 112, 47-60.
- Working papers** Liotta, C., Avner, A., Hallegatte, S. 2023. *Efficiency and equity issues in flood management policies : a systematic urban economics exploration*. Policy Research Working Papers 10292. World Bank.
- Liotta, C., Avner, P., Vigié, V., Selod, H., Hallegatte, S. 2022. *Climate policy and inequality in urban areas : beyond incomes*. Policy Research Working Papers 10185. World Bank.
- In progress** Liotta, C. *What drives inequalities in Low Emission Zones' impacts on job accessibility?*
- Other writings** Liotta, C., Vigié, V. 2021. *Pourquoi les villes continuent-elles à s'étendre ?*. Regards croisés sur l'économie, 28, 178-188.

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## Conference and Seminar Presentations

- 2023 **EASM** (Equitable Accessibility and Sustainable Mobility) workshop (Leeds, UK), **ITS Leeds Seminar**, **OFCE** (Observatoire français des conjonctures économiques) Seminar (Paris, France), **CIREN Summer School** (Paris, France).
- 2022 **Urban Transitions** conference (Sitges, Spain), **MCC** (Mercator Institute on Global Commons and Climate Change) Seminar (Berlin, Germany), **FHI 360** Seminar.
- 2021 **UEA North American** conference (online), **UEA Summer School** (online), **FAERE conference** (Grenoble, France), **FAERE Doctoral workshop** (online).
- 2019 **ESP** (Ecosystem Services Partnership) conference (Hanover, Germany).

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## Teaching

- Fall 2022 **“Introduction to Economics” tutorials** (35 hours), Ecole des Ponts ParisTech.
- Nov 2022 **Lecture on “Cities and Climate Change”**, as part of the ATHENS program, AgroParisTech.
- June 2022 **Lecture on “Cities and Climate Change”**, as part of the course “Introduction to the economic and (geo)political issues of the energy transition and climate change”, Ecole des Ponts ParisTech.

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## Supervision

- Spring 2022 Co-supervision of Lou Mandonnet’s internship (AgroParisTech) with Vincent Viguié.

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## Relevant work experience

- June - Dec 2020 **Global Facility for Disaster Reduction and Recovery**, *World Bank*.
  - ♦ Theoretical model for analysis of ex-ante flood management strategies.
  - ♦ Urban modelling and flood risks analysis in the city of Cape Town.
- Nov 2019 - May 2020 **Research Engineer at CNRS - CIREN**, *Urban economics*.
  - ♦ Urban economics model calibration on various cities worldwide.
  - ♦ Scenario simulations and environmental evaluations.
- May-Nov 2019 **Research intern on green spaces and social inequalities in the Paris metropolitan area**, *CIREN and French Ministry of Environment, Paris*.
- Jun-Sep 2017 **Internship at the Economics Department of the OECD**.

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## Grants

- 2021-2023 **18-month doctoral fellowship**, ENPC (Ecole des Ponts ParisTech).
- 2021-2023 **18-month doctoral fellowship**, DAAD (German Academic Exchange Service).
- 2021-2023 **Paris Est University mobility grant** (10,000 euros).
- 2020-2021 **Palladio Foundation Research Grant** (10,000 euros).

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## Miscellaneous

- Programming Python, R, Stata, QGIS, MATLAB.
- Langages French (native), English (TOEIC 950/990), German (B1 level).
- Refereeing *Nature Communications, Journal of Transport Geography, Climatic Change, Regional Studies, Environmental Science and Pollution Research, Empirical Economics, Environment and Planning B, Journal of Environmental Planning and Management*.
- Volunteering Rock-climbing teaching (2019-2023), French Red Cross (social action, 2015-2017)