

# Claire Alestra

PhD candidate at Aix-Marseille School of Economics

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## Research Fields

Environmental and Labour Economics, Policy Impact Evaluation, Applied Microeconomics.

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## Education

- Since 2019 **PhD in Economics**, *Aix-Marseille School of Economics (AMSE)*,  
Thesis: Evaluation of the Public Policies of the Energy and Environmental Transition,  
Supervisors: Olivier Chanel, Sarah Flèche.
- 2021 **Summer School**, *Paris School of Economics (PSE)*,  
One-week training course in Microeconometrics and Policy Evaluation - Modern Estimation Methods and Machine Learning.
- 2017-2019 **Master in Economics**, with honours, *Aix-Marseille School of Economics (AMSE)*,  
Track: Empirical and Theoretical Economics,  
Dissertation: The Long-term Economic Impacts of Carbon Taxation,  
Supervisors: Gilbert Cette, Olivier Chanel.
- 2017 **Master in Economics**, *University of Kent*, Canterbury, United Kingdom,  
Erasmus semester.
- 2016-2019 **Magistère Economist Engineer**, with honours, *Aix-Marseille School of Economics (AMSE)*,  
Economic analysis, quantitative methods, data science, bilingual: English-French.
- 2014-2017 **Bachelor in Economics and Management**, with honours, *Aix-Marseille Université, Université Lumière Lyon II*.
- 2014-2016 **Preparatory Class ENS Cachan D2**, *Lycée Juliette Récamier*, Lyon,  
Economics and Quantitative Methods.

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## Professional Experience

- April-June 2019 **Research Assistant Internship**, *Banque de France*, Paris,  
Study of the long-term economic impacts of climate change and carbon taxation,  
writing of a research paper, conception and realisation of a projection tool.

May-August 2018 **Research Assistant Internship**, *Banque de France*, Paris,  
Study of the long-term economic impacts of carbon taxation, literature review,  
building of an original database, econometric estimates and calibration, seminars.

May-July 2017 **Research Assistant Internship**, *Aix-Marseille School of Economics (AMSE)*,  
Study on the digital platforms of job search and hotel/restaurant booking, web  
scraping, algorithm on data recovery and treatment, literature review, seminars,  
testing campaign.

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## Teaching Experience

Since 2019 **Teaching Assistant**, *Aix-Marseille University*, Undergraduate Tutorials,  
Statistical Techniques, Macroeconomics, Industrial Organisation, Microeconomics.

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## Research Visits

May 2022 **Visiting Scholar**, *Scripps Institution of Oceanography*,  
University of California, San Diego (UCSD)  
Sponsored by Tarik Benmarhnia.

March-April 2022 **Visiting Scholar**, *Environmental Markets Lab (emLab)*,  
Bren School of Environmental Science and Management,  
University of California, Santa Barbara (UCSB)  
Sponsored by Olivier Deschenes.

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## Published Articles

C. Alestra, G. Cette, V. Chouard, R. Lecat (2022), *Growth impact of climate change and response policies: The advanced climate change long-term (ACCL) model*, **Journal of Policy Modeling**, Vol. 44(1), p. 96-112.

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## Working Papers and Work in Progress

C. Alestra, *Heterogeneous Impact Evaluation of Short-Term Policies against Air Pollution using Synthetic Control Design*.

C. Alestra, *Powering down nuclear, a multidimensional impact evaluation of the German case*.

C. Alestra, G. Cette, V. Chouard and R. Lecat (2023), *How can technology significantly contribute to climate change mitigation?*, **AMSE WP 2023-01**.

C. Alestra, G. Cette, V. Chouard, R. Lecat (2020), *Long-term growth impact of climate change and policies: the Advanced Climate Change Long-term (ACCL) scenario building model*, **Banque de France WP 759**.

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## Academic Responsibilities

Since 2022 **Seminar Co-Organiser**, *Aix-Marseille School of Economics (AMSE)*,  
[Empirical & Econometric Methods Sessions](#),  
Methodological seminar for PhD candidates.

Since 2022 **Reading Group Organiser**, *Aix-Marseille School of Economics (AMSE)*,  
Environmental Economic Meetings for PhD candidates.

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## Presentations

December 2022, **PhD seminar**, *Aix-Marseille School of Economics (AMSE)*.  
April 2021,  
June 2020

November 2022 **FAERE Doctoral Workshop**, *French Association of Environmental and Resource Economists (FAERE) and Solar Academy*.

July 2021 **International Conference on Economic Modeling and Data Science (Eco-Mod2021)**, *Center for European Studies (CefES), University of Milano - Bicocca*.

June 2021 **69<sup>th</sup> Congress of the French Economic Association**, *Association Française de Science Économique (AFSE)*.

December 2020 **Public Policy Evaluation - 6th Conference**, *Association Française de Science Économique (AFSE), Direction Générale du Trésor*.

November 2020 **Environmental Economics: a focus on Natural Resources - 2nd International Conference (EENR)**, *University of Orléans*.

October 2019 **Workshop GREEN-Econ**, *Aix-Marseille School of Economics (AMSE), Center for Environmental Economics Montpellier*.

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## Special Skills

**Computer & Programming**  $\LaTeX$ , Office, Python, R, R Shiny, Stata.

**Languages** French (native language), English (fluent), Italian (intermediate).