Melanie Marten

PhD in quantitative economics
Paris

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WORK EXPERIENCE

Doctoral researcher in quantitative economics, ESSEC Business School   09/2019 - 12/2024

» Econometric modeling, data analysis, causal inference and ex-post evaluation

» Descriptive statistical analysis and literature reviews

» Gained access to and utilized confidential administrative, survey, and firm-level microdata under data protection protocols (CASD)

» Authored three working papers *(topics: energy & climate, taxation, non-financial reporting, corporate finance, microeconometrics)*

» Presented ongoing work at international conferences

Teaching assistant, CY Cergy Paris Université (CYU)   01/2020 - 08/2025

» Statistics (descriptive and inferential), microeconomics, macroeconomics and Microsoft Excel

Consultant, OECD   05/2016 - 08/2018

» Collected, evaluated and input granular energy tax information data (e.g. rates, exemptions, discounts) from official sources and legal documents for flagship *Taxing Energy Use* publications

» Contributed to countries notes detailing the structure of energy taxation (e.g. electricity, fuels, carbon) across different sectors

» Co-authored two OECD Taxation Working Papers

» Biannual Q&A presentations of ongoing work to OECD country representatives

Intern, United Nations ESCAP (Bangkok, Thailand)   04/2014 - 07/2014

EDUCATION

PhD, Economics, ESSEC Business School & CY Cergy Paris Université (CYU)   2024

Thesis: Three essays on energy and carbon mitigation policies

M.Sc., Business Administration Research, ESSEC Business School   2020

M.Sc., Economic Analysis (M2), CY Cergy Paris Université   2019

M.Sc., International Economic Studies (M1),University Paris-Est Créteil (UPEC)   2016

M.A., Social Sciences, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany   2015
6 month study abroad in Bangkok, Thailand

B.A., Foreign Affairs & Spanish, University of Virginia, Charlottesville, USA   2011
12 month study abroad in Buenos Aires, Argentina

DATA ANALYTICS, LANGUAGES AND PERSONAL SKILLS

Software	Stata, R, Python, SAS, Excel, Power BI (PL-300 in progress), LaTex
Languages	English & French (native), Spanish (professional)
Volunteering	Fresque du Climat (Rentrée du Climat CYU 2022, 2023)
Additional training	ESG investing, corporate finance, Python programming, forecasting and predictive analytics with R

COMMUNICATION

2023   24th Global Conference on Environmental Taxation (GCET24); Association of Environmental and Resource Economists (AERE); 71st Congress of the French Economic Association (AFSE); European Association of Environmental and Resource Economists (EAERE); EAERE-ETH Winter School on Climate Policies, Innovation, and International Competitiveness

2022   Conférence Évaluation des politiques publiques (DG-Trésor, EPP); French Association of Environment and Resources Economists (FAERE); AFSE; 21st Journées Louis-André Gérard-Varet (LAGV); AERE

2021   Comparative Analysis of Enterprise Data (CAED) 2021 Conference; 3rd World Bank Tax Conference: New Tax Instruments

SCIENTIFIC OUTPUT

Marten, M. and Rowley, T. (2024), Carbon Disclosures on Investors: The Impact on French Manufacturing and Carbon Imports, *THEMA Working Paper* No. 2024-13

Marten, M. (2024),The effect of a 2016 electricity tax reform on French manufacturing: Evidence from micro-panel data, *THEMA Working Paper* No. 2024-02

Marten, M. (2024), Carbon tax reform and French industry response: Insights from panel data, 2005-2019, *THEMA Working Paper* No. 2022-19

Marten, M. and Van Dender, K. (2019), The use of revenues from carbon pricing, *OECD Taxation Working Papers*, No. 43, Paris

Harding, M. and **Marten, M.** (2018), Statutory tax rates on dividends, interest and capital gains, *OECD Taxation Working Papers*, No. 34, Paris

AWARDS AND GRANTS

2020-2025   Labex MME DII project grant
» Full financial support for confidential French administrative, business statistics, survey and trade microdata (CASD) $\sim$ €5 000 per year
Comité du Secret Statistique
» Granted access to confidential French microdata