

# Marie Bruguet

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Laboratoire d'Economie de Dauphine (LEDa) – Université Paris Dauphine-PLS  
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## PRINCIPAL INTERESTS

Behavior Environmental Economics, Applied Econometrics, Public policy

## ACADEMIC BACKGROUND

*Ph.D. Economics* Nov. 2023 - Present

[Université Paris Dauphine-PLS](#), Paris, France

[Climate Economics Chair](#), Paris, France

[Ministry of Ecological Transition](#), Paris, France

*Dissertation* : Decarbonising French Homes: Behavioral and Technological Shifts Toward Low-Carbon

*Supervision* : [Anna Creti](#) and [Arthur Thomas](#)

*Visiting* : Hosted by [Robert D. Metcalfe](#) at [School of International and Public Affairs \(SIPA\)](#), [Columbia University](#)

*M.Sc. Economics*

Sept. 2020 - Sept. 2022

[Aix-Marseille School of Economics](#), Marseille, France

*Focus areas* : Econometrics, Big Data and Statistics

*Erasmus semester* : [Norwegian University of Science and Technology](#)

*B.Sc. Economics & Preparatory classe (ENS D2)*

Sept. 2017 - Sept. 2020

Université de Rennes I, Rennes, France

Lycée Victor et Hélène Basch, Rennes, France

## EXPERIENCES

*Economist - Statistician*

Sept. 2022 - Oct. 2023

Banque de France, Paris, France

*Statistical Research Officer Trainee*

Sept. 2021 - Sept. 2022

Ministry of Ecological Transition, Paris, France

*Statistical Research Officer Trainee*

June. 2021 - Aug. 2021

Insee, Marseille, France

*Research Assistant Trainee*

May. 2020 - June. 2020

Aix-Marseille School of Economics, Marseille, France

## TECHNICAL SKILLS

Econometrics (time-series, panel data, causal inference)

Machine Learning (regression, classification, supervised and unsupervised set-up)

Data Management (administrative microdata, high-frequency smart-meter data)

Software (R, Python, Matlab)

## RESEARCH

## PEER-REVIEWED

*Weather Effects in Energy Seasonal Adjustment: An Application to France Energy Consumption.* In: *The Energy Journal* (2025) [[Working Paper](#)]

Marie Bruguet\*, LEDa, Université Paris Dauphine-PSL and Climate Economics Chair

Arthur Thomas, LEDa, Université Paris Dauphine-PSL and Climate Economics Chair

Ronan Le Saout, ENSAI, CREST

Awarded best student paper by the FAEE (2024)

## ONGOING

*When Words Save Watts: Government Communication and Household Electricity Use* (2025) [[Working Paper](#)]

Marie Bruguet\*, LEDa, Université Paris-Dauphine and Climate Economics Chair

Job-Market Paper

*Switching to Clean Heat: Household-Level Impacts of Heat Pump Adoption under ETS2 in France*

Marie Bruguet\*, LEDa, Université Paris Dauphine-PSL and Climate Economics Chair

Wissem Baba-Moussa, Cerna, Mines Paris-PSL

*Efficiency versus Flexibility: The Impact of Heat Pumps on Household Electricity Demand in France*

Marie Bruguet\*, LEDa, Université Paris Dauphine-PSL and Climate Economics Chair

Edouard Civel, Square Management Research Center and Climate Economics Chair

Anna Creti, LEDa, Université Paris Dauphine-PSL and Climate Economics Chair

Shorlisted for best student paper by the FAEE (2025)

## CONFERENCE PARTICIPATION

### 2025

AICC (Lausanne, Switzerland), BEHAVE (Paris, France), IAEE (Paris, France), CNIS (Paris, France), JDS (Marseille, France), PPSEE (Paris, France), YEEES (Paris, France), LEDa PhD Seminar (Paris, France), LEDa PhD Econometrics Seminar (Paris, France), IRMAR PhD Seminar (Rennes, France), AMSE Econometrics Seminar (Marseille, France), FAEE PhD Workshop (Grenoble, France)

### 2024

IAAE (Thessaloniki, Greece), IAEE (Istanbul, Turkey), ICEEF (London, United Kingdom), ISF (Dijon, France), FAEE PhD Workshop (Grenoble, France), LEDa PhD Econometrics Seminar (Paris, France)

## AWARDS & GRANTS

COFRA PhD Fellowship

Nov. 2023 - Oct. 2026

Ministry for the Ecological Transition

Mobility Research Grant

Nov. 2025

Université Paris Dauphine-PSL

Best Student Paper Award

Dec. 2024

French Association of Energy Economists

<b>TEACHING</b>	<i>Applied Econometrics [Undergraduate]</i> ENSAI, Bruz, France	<i>Fall 2024 - Present</i>
	<i>Introduction to Econometrics [Undergraduate]</i> Université Dauphine, Paris, France	<i>Spring 2024 - Present</i>
	<i>Time Series for Finance [Graduate]</i> Panthéon-Sorbonne, Paris, France	<i>Spring 2024</i>
	<i>Monetary instruments [Undergraduate]</i> Panthéon-Sorbonne, Paris, France	<i>Fall 2022</i>
<b>STUDENT SUPERVISION</b>	Eddy Darragi <i>‘Estimating residential consumption elasticities prices under subsidies in time of crisis’, M.Sc. Thesis</i> Co-supervised with Arthur Thomas	<i>Spring 2024</i>
	Antoine Mary <i>‘Residential Electricity Consumption Dynamics: An Analysis of End-Use Transformation’, B.Sc. Thesis</i>	<i>Spring 2025</i>