

# GRÉGOIRE SEMPÉ

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## Current Position

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### Paris School of Economics & Univ. Paris 1 Panthéon – Sorbonne

2023 – ...

#### *Ph.D. Candidate in Economics*

Paris, France

- Main research interests: Climate economics, macroeconomics, heterogeneous agent modelling
- Advisor: Katheline Schubert

### Stockholm University

April – July 2025

#### *Visit at the Institute for International Economic Studies*

Stockholm, Sweden

- Invited by John Hassler

## Education

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### Paris School of Economics

2020 – 2023

#### *Master in Economics (APE), Highest honors*

Paris, France

- Quantitative macroeconomics, environmental economics, econometric theory, welfare economics

### Université Paris 1 Panthéon – Sorbonne

2019 – 2023

#### *Magistère d'Économie, Highest honors*

Paris, France

- Research training in quantitative economics

### Université Paris 1 Panthéon – Sorbonne

2017 – 2019

#### *Bachelor in Economics & Econometrics, High honors*

Paris, France

- Dual curriculum with Classe Préparatoire in Economics and Mathematics (D2)

## Research

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### Work in progress

- *Optimal Climate Policy in the Housing Market*, with Paloma Péligry (SciencesPo)
- *The effects of climate policies under horizontal heterogeneity*, with Katheline Schubert (PSE) and Fanny Henriet (AMSE)
- *The macroeconomic impacts of climate change in Viet Nam*, with E. Espagne (WB), T.H Nguyen (WB), M. Simioni (TSE), T. Ngo Duc (VAST) and Q. Tran-Anh (VAST)

### Pre-Doctoral publications

- *Using Short-Term Scenarios to Assess the Macroeconomic Impacts of Climate Transition*, Thomas Allen, et al. (research assistantship), Banque de France Working Paper 922, 2023
- *Viet Nam's green industrial path between carbon and climate exposures*, Etienne Espagne et al. (co-author), GEMMES-VN national report, Chapter 2. 2022
- *The macroeconomics of climate change and adaptation in Viet Nam*, Etienne Espagne et al. (co-author), COP26 GEMMES-VN Report, Chapter 13. 2021.

## Teaching Experience

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### Graduate level

- *Introduction to Environmental Economics*, École Normale Supérieure – PSL. Lecturer Fall 2024 (20h)
- *Quantitative Macroeconomics I*, Paris School of Economics (M2). TA for Tobias Broer Fall 2024 (15h)
- *Advanced Macroeconomics*, Univ. Paris Dauphine – PSL (M1). TA for Abdelkader Slifi Spring 2023 (20h)

### Undergraduate level

- *International Trade*, Univ. Paris 1 (L3). TA for Léa Marchal Spring 2024 (30h)
- *Macroeconomics: Growth*, Univ. Paris 1, Magistère (L3). TA for Katheline Schubert Fall 2023 (36h)
- *Economic Policy*, Univ. Paris Cité (L2). TA for Olivier Alain Spring 2022 (40h)
- *Introduction to Macroeconomics*, Univ. Paris Cité (L1). TA for Olivier Alain Fall 2021 (40h)

## Employment

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- **Insee:** Research internship at the Department of Economic Studies 2023 (4 months)
- **Institut de Recherche pour le Développement:** Research Consultant, GEMMES-VN project 2022 (7 months)
- **Banque de France:** Research internship at the Climate Change Center 2022 (5 months)
- **French Treasury:** Policy internship at the Climate Economics Unit 2021–2022 (6 months)
- **French Development Agency:** Research internship, GEMMES-VN project 2021 (3 months)
- **Dijon Economics Laboratory:** Research internship 2020–2021 (6 months)

## Presentations

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- **2024:** Macroeconomics Workshop, PSE ; Macro Workshop, PSE ; Internal PhD Seminar, PSE
- **2023:** Macroeconomics Graduate Students Workshop, PSE

## Academic service

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- Representative of PhD students at the Doctoral School Économie Panthéon Sorbonne (300 PhD students) 2023–2026
- Member of the steering committee of the 19th edition of the Doctorissimes PhD Conference 2023–2024  
Keynotes: A. Rubinstein (NYU), C. de Chaisermartin (SciencesPo), K. Millock (PSE). 50 PhD participants.
- Board member & Associate Editor of *Partageons L'Éco* (12k readers/year) 2019–2024
- Refereeing for: *Macroeconomic Dynamics*

## Grants and Awards

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- PSE PhD International Mobility Grant (2k€) 2025
- Full Doctoral Fellowship, French Ministry of Research 2023–2026

## Miscellaneous

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**Programming:** R, Julia, Matlab, Dynare, Git

**Languages:** English (proficient), French (native)