

# GRÉGOIRE SEMPÉ

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## RESEARCH FIELDS

**Primary**    Macroeconomics, Climate Change  
**Secondary** Environmental and Resource Economics, Public Economics

## EDUCATION

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|------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Ph.D. in Economics</b><br>Paris School of Economics & Université Paris 1 Panthéon-Sorbonne<br>Advisor: Katheline Schubert | 2023 – Present |
| <b>Visiting PhD Student</b><br>IIES – Stockholm University – hosted by John Hassler                                          | Spring 2025    |
| <b>Master in Economics (APE)</b><br>Paris School of Economics & Université Paris 1 – <i>Highest honors</i>                   | 2020 – 2023    |
| <b>Magistère d'Économie</b><br>Université Paris 1 Panthéon-Sorbonne – <i>Highest honors</i>                                  | 2019 – 2023    |
| <b>Bachelor in Economics</b><br>Université Paris 1 Panthéon-Sorbonne – <i>High honors</i>                                    | 2017 – 2019    |

## RESEARCH

### JOB MARKET PAPER

**Marginal Propensities to Decarbonize** In progress  
What is the cost-effective climate policy mix for households' emissions? I show that direct emissions are driven by durable goods usage. Durables create heterogeneous incidence between carbon taxes and subsidies that shape the policy mix.

### WORKING PAPER

**Climate Policies in the Housing Market** Preliminary draft  
with Paloma Péligny (Sciences Po) – CEPR and FAERE prizes

### WORK IN PROGRESS

**The Geographical Effects of Climate Policies**  
with Katheline Schubert (PSE) and Fanny Henriet (AMSE)

## GRANTS, HONORS & AWARDS

|                                                                                            |             |
|--------------------------------------------------------------------------------------------|-------------|
| <b>Banque de France PhD Fellowship</b>                                                     | 2026        |
| <b>Teaching and Research Fellow (ATER)</b> – Sorbonne Management School, Univ. Paris 1     | 2026 – 2027 |
| <b>CEPR Philippe Martin Prize</b> – best student poster, with Paloma Péligny (Sciences Po) | 2025        |
| <b>FAERE Prize</b> – best young economist paper, with Paloma Péligny (Sciences Po)         | 2025        |
| <b>PhD Mobility Grant</b> – Univ. Paris 1 Panthéon-Sorbonne                                | 2025        |
| <b>PhD International Mobility Grant</b> – Paris School of Economics                        | 2025        |
| <b>Full Doctoral Fellowship</b> – French Ministry of Research                              | 2023 – 2026 |

## TEACHING EXPERIENCE

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### GRADUATE LEVEL

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|--------------------------------------------------------------------------------------------|-----------------|
| Introduction to Environmental Economics · <b>Lecturer</b> , École Normale Supérieure – PSL | Fall 2024, 2025 |
| Quantitative Macroeconomics I (M2) · TA, Paris School of Economics, for Tobias Broer       | Fall 2024, 2025 |
| Advanced Macroeconomics (M1) · TA, Univ. Paris Dauphine – PSL, for Abdelkader Slifi        | Spring 2023     |

### UNDERGRADUATE LEVEL

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|---------------------------------------------------------------------------------------|-------------------|
| Mathematics for Economics and Management (L2) · TA, Univ. Paris 1, for Thierry Lafay  | Fall 2026         |
| Microeconomics: Information and Uncertainty (L1) · TA, Univ. Paris 1, for Sophie Cros | Fall 2026         |
| Intro. to Macroeconomics (L1) · TA, Univ. Paris 1, for Laura de Lisi                  | Fall 2026         |
| International Trade (L3) · TA, Univ. Paris 1, for Léa Marchal                         | Spring 2024, 2026 |
| Macroeconomics: Growth (L3) · TA, Univ. Paris 1, Magistère, for Katheline Schubert    | Fall 2023         |
| Economic Policy (L2) · TA, Univ. Paris Cité, for Olivier Alain                        | Spring 2022       |
| Intro. to Macroeconomics (L1) · TA, Univ. Paris Cité, for Olivier Alain               | Fall 2021         |

## PRESENTATIONS

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- 2026** Banque de France Research Days, poster (Paris); **LEO Seminar** (Orléans); **Modeling Climate-Economic Dynamics Workshop for Young Scholars**, poster (Chicago); **Augustin Cournot Doctoral Days** (Strasbourg); **EENR Conference** (Orléans)
- 2025** **CEPR Annual Symposium**, poster (Paris), by co-author; **4th Workshop on Residential Housing Markets** (Zurich), by co-author; **FAERE 12th Annual Conference** (Nantes); **IIES Macro Group** (Stockholm)
- 24–26** Departmental seminars: Macro Workshop, Internal PhD Seminar (PSE); Informal Macro Group (IIES)

## PROFESSIONAL EXPERIENCE

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|-------------------------------------------------------------------------------------|------------------------|
| <b>Insee</b> – Research internship, Department of Economic Studies                  | 2023 (4 months)        |
| <b>Institut de Recherche pour le Développement</b> – Research consultant, GEMMES-VN | 2022 (7 months)        |
| <b>Banque de France</b> – Research internship, Climate Change Center                | 2022 (5 months)        |
| <b>French Treasury</b> – Policy internship, Climate Economics Unit                  | 2021 – 2022 (6 months) |
| <b>French Development Agency</b> – Research internship, GEMMES-VN                   | 2021 (3 months)        |
| <b>Dijon Economics Laboratory</b> – Research internship                             | 2020 – 2021 (6 months) |

## ACADEMIC SERVICE

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|--------------------------------------------------------------------------------------------------------|-------------|
| <b>PhD student representative</b>                                                                      | 2023 – 2026 |
| Doctoral School Économie Panthéon Sorbonne (300 PhD students)                                          |             |
| <b>Steering committee, 19th Doctorissimes PhD Conference</b>                                           | 2023 – 2024 |
| Keynotes: A. Rubinstein (NYU), C. de Chaisemartin (Sciences Po), K. Millock (PSE). 50 PhD participants |             |
| <b>Refereeing</b> for <i>Environmental and Resource Economics</i> ; <i>Macroeconomic Dynamics</i>      |             |

## SKILLS & TRAINING

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|----------------------------|---------------------------------------------------------------------------------|
| <b>Programming</b>         | Julia, Matlab, Dynare, Python, R                                                |
| <b>Languages</b>           | English, French (native)                                                        |
| <b>Additional training</b> | Deep Learning for Solving Dynamic Stochastic Models (University of Turin, 2025) |