

# JOSSELIN ROMAN

Senior Researcher in Climate Macroeconomics

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## RESEARCH INTERESTS

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Heterogeneous-agent macroeconomics; climate and environmental economics; production networks; carbon pricing; macro-finance.

## CURRENT POSITION

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**Paris School of Economics**

Senior Researcher, i-MIP (CEPREMAP & PSE)

*Since 2025*

## PAST POSITIONS

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**European Commission — Joint Research Centre (JRC)**

Research Economist

*2022–2025*

**London School of Economics**

Visiting Researcher, Grantham Research Institute

*2022*

**Paris-Dauphine University**

Teaching Fellow

*2020–2021*

Graduate Teaching Assistant

*2017–2020*

**Institut Louis Bachelier**

Research Officer

*2017*

## EDUCATION

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**PhD in Economics**, PSL Research University – Paris-Dauphine

*2021*

*Summa Cum Laude*

**MRes in Financial and Monetary Economics**, Paris-Dauphine University

*2017*

**BSc in Economics**, Paris-Saclay University

*2015*

**BSc in Management (Wealth Management)**, Paris-Dauphine University

*2013*

## SUBMITTED PAPERS

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*Weitzman Meets Taylor: EU Allowance Price Drivers and Carbon Cap Rules*

(with Ghassane Benmir and Luca Taschini)

*Beneath the Trees: The Influence of Natural Capital on Shadow Price Dynamics in a Macroeconomic Model with Uncertainty*

(with Ghassane Benmir, Aditya Mori, and Romano Tarsia)

## WORKING PAPERS

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*The Distributional Costs of Net-Zero: A Heterogeneous-Agent Perspective*

(with Ghassane Benmir)

*Policy Interaction and the Transition to Clean Technology*

(with Ghassane Benmir and Akash Raja)

### *Ecosystem Services in a Simple Macroeconomic Framework*

(with B. Döhring, I. Grammatikopoulou, A. La Notte, B. Pataracchia, D. Pisani, C. Planas, A. Rossi, A. Thum-Thysen, and M. Zurbaran Nucci)

## WORK IN PROGRESS

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### *Endogenous Abatement Technology*

(with Ghassane Benmir, Pietro Corti, and Luca Taschini)

### *Climate Ripples in Production Networks*

(with Ghassane Benmir, Simone Maso, Aditya Mori, and Romano Tarsia)

### *EU Carbon Pricing: When Production Networks Matter*

(with Ghassane Benmir, Armon Rezai, and Rick van der Ploeg)

### *Unveiling the Green Equity Premium: A Macro-Financial Outlook*

(with Ghassane Benmir, Rhys Bidder, Simone Maso, and Aditya Mori)

## POLICY PUBLICATIONS

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### *Navigating Uncertainty: Evaluating the European Economic Forecasts Amidst Pandemic and Energy Crises*

European Economy – Discussion Papers, DG ECFIN, European Commission

### *European Economic Forecasts*

Autumn 2024; Spring 2024; Autumn 2023; Summer 2023; Spring 2023

## CONFERENCES & SEMINARS

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**2025:** CEPR Climate Change and the Environment Symposium (Gerzensee); GRASFI Annual Conference (Paris-Dauphine); Climate Challenges Workshop (UM6P Rabat); CLIMADAP Workshop (Lancaster).

**2024:** Ecosystem Services Partnership Conference (Wageningen); Dynare Workshop (JRC Ispra); Advancing Climate Economics Workshop (IE Madrid).

**2023:** Computing in Economics and Finance (Nice); CLIFIRIUM Workshop (Banque de France); Climate Change and Global Economy Workshop (Lancaster).

**2022:** Board of Governors of the Federal Reserve; University of Oslo; Bundesbank Research Centre; Higher School of Economics.

**2021:** AEA Annual Meeting (online); MIT GCFP Annual Conference (online); CEBRA Annual Meeting (online); Climate Risk Workshop FRBSF (online); University Paris-Dauphine; Sustainable Macro Conference (online); Money Macro and Finance Society Annual Conference (online).

**2020:** University Paris-Dauphine PhD Workshop;

**2018:** Computing in Economics and Finance (Milan); Theories and Methods in Macroeconomics (Paris); Computational and Financial Econometrics (Pisa).

**2017:** International Macroeconomics Workshop (Rennes).

## TEACHING

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<b>International Macro-Finance</b> — PhD in Economics, UM6P Rabat	2024–2026
<b>Macroeconomics</b> — BSc in Management, Paris-Dauphine University	2020–2021
<b>Macroeconomics</b> — BSc in Mathematics & C.S., Paris-Dauphine University	2017–2021

## REFEREEING

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*American Economic Review, Economica, Ecosystem Services*

## FELLOWSHIPS, GRANTS & AWARDS

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ATER Fellowship, Paris-Dauphine University	<i>2020–2021</i>
PhD Fellowship, Paris-Dauphine University	<i>2017–2020</i>
Ranked first in the Economics Department	
CFA Program Student Scholarship, CFA Institute	<i>2017</i>

## SKILLS

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**Languages:** French (native), English (fluent), German (basic)

**Scientific Computing:** MATLAB, Dynare, Python, Julia, Fortran, C++.