

## Karine Constant

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## Experience

### Current position

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- 2022- **Associate professor (*maîtresse de conférences*)**  
University of Orléans - Laboratoire d'Economie d'Orléans (LEO - research unit in economics)
- 2023- **Project manager of the University of Orléans on the Madeleine project.**
- 2023- **Co-director of the Master International Economics (M1 and M2)**  
Economic Institute of Orléans, UFR DEG, University of Orléans
- 2023- **Member of the Steering Committee of the FAERE, representative of the young researchers**  
French Association of Environmental and Resource Economists

### Research fields

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**Main :** Environmental economics, Macroeconomics.

**Details :** Public policy, Growth, Inequality, Education, Health, Population, International trade.

### Education

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- 2015 **PhD in Economics** *with highest honors*  
GREQAM, Aix-Marseille School of Economics, Aix-Marseille University  
*Environment and Growth : Essays on Some Implications of Households' Altruistic Choices*  
Jury : Alain Ayong Le Kama (Chairman), Mouez Fodha (Referee), Carine Nourry (Advisor), Fabien Prieur (Referee), Thomas Seegmuller (Advisor)

### Former positions

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- 2016-22 **Associate professor, ERUDITE** - University of Paris Est Créteil
- 2015-16 **Post-doctoral research fellow, EconomiX** - University Paris Nanterre
- 2014-15 **Research and teaching assistant (ATER),** University Paris Nanterre
- 2013-14 **Research and teaching assistant (ATER),** Aix Marseille University
- 2010-13 **Doctoral Grant and teaching assistant position,** French Ministry of Research and Aix Marseille University

# Research

## Research papers

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- Publications :**
- 1) The European renewable energy sector in calm and turmoil periods : The key role of sovereign risk**, with M. Davin, G. de Truchis and B. Keddad. Forthcoming in **Energy Journal** (HCERES A, CNRS 1), published online in May 2024 (<https://doi.org/10.1177/01956574241240293>).
  - 2) Pollution, Children's Health and the Evolution of Human Capital Inequality**, with M. Davin, **Mathematical Social Sciences**, (HCERES A, CNRS 2), 112, 9-25, 2021.
  - 3) Environmental Policy and Human Capital Inequality : A Matter of Life and Death**, **Journal of Environmental Economics and Management** (HCERES A, CNRS 1), 97, 134-157, 2019.
  - 4) Unequal Vulnerability to Climate Change and the Transmission of Adverse Effects through International Trade**, with M. Davin, **Environmental and Resource Economics**, (HCERES A, CNRS 2), 74(2), 727-759, 2019.
  - 5) Environmental Policy and Growth when Environmental Awareness is Endogenous**, with M. Davin, **Macroeconomic Dynamics** (HCERES A, CNRS 2), 23(3), 1102-1136, 2019.
  - 6) Environnement, Croissance et Inégalités : Le Rôle Particulier du Canal de la Santé**, with N. Raffin, **Revue Française d'Économie** (HCERES B, CNRS 3), XXXI (3), 9-29, 2017.
  - 7) Population Growth in Polluting Industrialization**, with C. Nourry and T. Seegmuller, **Resource and Energy Economics** (HCERES A, CNRS 2), 36(1), 229-247, 2014.

**Works in progress :** **Is income inequality bad to environmental health ? Evidence from France**, with M. Davin and E. Lavaine.

**Addressing the effects of meteorological disasters on public debt : A focus on Middle-income economies in the Asian region**, with S. Pouey and A. Paris.

**Natural disasters' induced migration**, with L. Cassin and T. Nunez Rocha.

## Expertise

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**The Economic, Social and Environmental Council (ESEC)** (a constitutional consultative assembly in France) :  
Presentation of "Environment, health and Inequalities : Economic implications" (2021)

## Conferences and seminars

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**Conferences (28) :**

**Conference on Environmental Economics : A focus on Natural resources - EENR** (2024, 2022 Orléans)

**Conference of the French Association of Environmental and Resources Economists - FAERE** (2023, Montpellier; 2021, Grenoble; 2017, Nancy; 2015, Toulouse; 2014, Montpellier)

**Conférence annuelle TEPP - Évaluation des Politiques Publiques** (2018, Université Paris Est Créteil)

**Conference of the Society for the Advancement of Economic Theory** (2018, Academia Sinica Taiwan)

**Workshop Environmental Regulation, International Trade and Innovation** (2018, Université Paris Est Créteil)

**Workshop on Growth, the Environment and Population** (2017, Université Paris Nanterre)

**Workshop on Location Choices and Environmental Economics** (2017, Université de Pau et des Pays de l'Adour)

**Conference of the European Association of Environmental and Resources Economists - EAERE** (2016, ETH Zurich)

**Conference on Sustainable Resource Use and Economic Dynamics - SURED** (2016, Université Paris 1 ; 2014, ETH Zurich)

**5th Thematic Workshop of the French Association of Environmental and Resources Economists - FAERE** Université Rennes 1 (2016)

**Theory and Methods in Macroeconomics** (2016, Banque de France; 2011, HEC Montreal)

**Public Economic Theory** (2015, University of Luxembourg; 2013, Catholica-Lisbon University)

**Journées d'Economie Publique Louis-André Gérard-Varet** Aix-Marseille Université (2013, 2012)

**Instability and public policies in a globalized world : Conference in honor of Jean-Michel Grandmont** Aix-Marseille Université (2013)

**Overlapping Generations Days** (2013, Université d'Auvergne; 2012, Aix-Marseille Université; 2011, Université Catholique de Louvain)

**New Challenges for Macroeconomic Regulation : Financial Crisis, Stabilization Policy and Sustainable Development** Aix-Marseille Université (2011)

**Rencontres de l'Environnement** (2010, Université Montpellier I)

#### Seminars (16) :

**Cournot Seminar BETA** - Université de Strasbourg (2022)

**Seminar of LERN** Université de Rouen (2022)

**Environmental and resource economics seminar of EconomiX** Université Paris Nanterre (2021, 2015, 2014)

**Seminar of LEO** - Université of Orléans (2021)

**Seminar of UMR Économie Publique INRAE** - AgroParisTech (2020, 2016)

**Seminar of ERUDITE** - Université Paris Est Créteil (2016)

**Environmental and resource economics seminar of LAMETA INRA** - Université de Montpellier (2016)

**Economics seminar of LEMNA** - Université de Nantes (2016)

**Seminar of Institut du Développement et de la Prospective** Université de Valenciennes (2016)

**Lunch seminar of EconomiX** Université Paris Nanterre (2016)

**Environmental and resource economics lunch seminar of Paris School of Economics** Université Paris 1 (2016)

**PhD seminar of Aix-Marseille School of Economics** Aix-Marseille Université (2014, 2010)

## Distinctions

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|--------------|--|
| Feb-Aug 2022 | <b>CRCT (research distinction)</b>   |
| 2020-24      | <b>Recipient of the <i>Prime d'encadrement doctoral et de recherche</i> (research and supervising distinction)</b> |

## Scientific Supervision

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#### PhD Supervision (2) :

**2022- : Sarah Pouey on climate change and public finances**, co-supervised at 40%, Doctoral grant from University of Tours and teaching assistant position. Research visiting at OECD between Apr and Sept 2024.

**2024- : Aïssata Ousmane Dicko on climate inequalities and the acceptability of a carbon tax**, co-supervised at 45%, Doctoral grant from University of Orléans and teaching assistant position.

#### Master's thesis Supervision (17) :

**2024 : Aïssata Ousmane Dicko on inequality in CO2 emissions**, co-supervised at 50%, student of the Master 2

International Economics.

**2024 : Mathieu Galice on the impact of climate risk on banks' credit risk**, supervised at 100%, student of the Master 2 International Economics.

**2024 : Christopher Deskin on the determinants of the steel industry's environmental performances**, co-supervised at 50%, student of the Master 1 International Economics.

**2024 : Waed Memni on a spatial analysis of the economic effects of rainfall variability on Maghreb countries**, co-supervised at 50%, student of the Master 1 International Economics.

**2023 : Cezar Mezher on country risk analysis - a study case of Brazil's economy**, supervised at 100%, student of the Master 2 International Economics.

**2021 : Néji Jendoubi on the link between international trade of food items and environmental preferences of consumers**, supervised at 100%, student of the Master 1 International Economic Studies.

**2020 : Mariam Fathelbab on women's empowerment and gender discrimination in Egypt**, supervised at 100%, student of the Master 2 Development Economics and International Project Management.

**2020 : Mariana Fonseca De Souza on the evaluation of the Brazilian School Feeding and Smallholder Programme (PNAE)**, supervised at 100%, student of the Master 2 Development Economics and International Project Management.

**2020 : Hamida Issaka on the impact of the Covid-19 pandemic on food security in West Africa**, supervised at 100%, student of the Master 2 Development Economics and International Project Management.

**2020 : Sylvie Le on employment in the cultural sector in Europe**, supervised at 100%, student of the Master 2 Development Economics and International Project Management.

**2020 : Nathalia Candal on the socio-economic determinants of environmental preferences of consumers**, supervised at 100%, student of the Master 1 International Economic Studies.

**2020 : Christy Dessy Alphonson on the socio-economic determinants of household waste emissions in the EU**, supervised at 100%, student of the Master 1 International Economic Studies.

**2020 : Andrew Butt Mutagwanya on international development aid in Sub-Saharan African countries**, supervised at 100%, student of the Master 1 International Economic Studies.

**2020 : Sandra Omanhene on the effectiveness of international cooperation on CO2 emissions**, supervised at 100%, student of the Master 1 International Economic Studies.

**2019 : Fares Ben Salah on the mental health of Syrian refugees**, supervised at 100%, student of the Master 1 International Economic Studies.

**2019 : Mariam Fathelbab on the socio-economic determinants of fertility decisions in Egypt**, supervised at 100%, student of the Master 1 International Economic Studies.

**2019 : Hamida Issaka on the impact of international aid programs on Mozambique**, supervised at 100%, student of the Master 1 International Economic Studies.

## Research projects

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- 2024 **Principal Investigator of the project "Physical CLIMATE risk, public Finance, Insurance and Real Estate (Climate on FIRE)"** to be submitted to the *AAPG 2025* of the French ANR - with Square Management.
- 2024 **Principal Investigator of the project "Trade, Environment and Digital Technology (CommEN)** to be submitted to the *Bonus Qualité Recherche* of the University of Orléans.
- 2022-24 **Collaborator on the APR IA CriseReactGlobal "Crises and Globalization"**, Interdisciplinary research project (economics, law) on the analysis of challenges posed by globalization and recent crises, funded by the Centre-Val de Loire region (budget of 123k€). PI : Camélia Turcu
- 2020-24 **Collaborator on the project "Corporate Performance : Environment, Failure, and Public Policies"**, funded by the UPEC - BQR support (budget of 40 k€). PI : Claude Mathieu and Juliette Rey.
- 2015-16 **Collaborator on the project "Wasteforecaster"**, Collaborative project on the waste management and forecasting, funded by the Île-de-France Region. PI for EconomiX : Alain Ayong Le Kama (budget of 191 k€).

## Referee activities

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Mathematical Social Sciences, Environmental and Resource Economics, Journal of Economic Growth, Environmental Modeling and Assessment, International Journal of Economic Theory, International Economics, Economics Bulletin

# Teaching

## Teaching activities

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### University of Orléans, Lectures

- 2024- **Challenges of the ecological transition** - Licence 2 Economie Gestion - 20h CM/an
- 2024- **International Trade and the Environment** - Master 1 International Economics - 10hCM/an et 5hTD/an
- 2023- **Environmental Economics** (in english) - Master 1 International Economics
- 2022- **Development economics** (in english) - 3rd year undergraduate - Bachelor in International economics
- 2022- **European economic environment** (in english) - Master 1 in Applied Foreign Languages (LAME and LACI)
- 2022- **Global value chain - introduction to globalization** - 2nd year undergraduate - Joint Bachelor in Law and Economics
- 2022- **Labor economics** (in English since 2024) - 3rd year undergraduate - Bachelor in Economics
- 2022-24 **Statistics** - 1rd year undergraduate - Bachelor in Management

### University Paris East Créteil, Lectures

- 2020-21 **International economics 2 - International trade policy** - 3rd year undergraduate - Bachelor in Applied Foreign Languages
- 2020-22 **International economics 3 - International trade and the environment** - Master 1 International management - Applied Foreign Languages
- 2018-21 **Environmental economics and sustainable development** (in english) - Master 1 International Economic Studies and Master 1 Applied Economics
- 2018-20 **Applied mathematics** - 2nd year undergraduates - Bachelor in Applied Foreign Languages
- 2016-22 **Economic policy analysis 1** - 2nd year undergraduates - Bachelor in Applied Foreign Languages
- 2016-22 **Economic policy analysis 2** - 2nd year undergraduates - Bachelor in Applied Foreign Languages
- 2016-22 **International economics 1** - 3rd year undergraduates - Bachelor in Applied Foreign Languages
- 2016-21 **Conference on "Environment, Growth and Inequality"** - 2nd year undergraduates - Bachelor in Economics and Management

### University Paris Nanterre, Tutorials

- 2014-15 **Macroeconomics** - 1st year undergraduates - Bachelor in Economic and Social Administration
- 2014-15 **Microeconomics** - 2nd year undergraduates - Bachelor in Economic and Social Administration

### Aix-Marseille University, Tutorials

- 2011-14 **Statistics** - 1st and 2nd year undergraduates - Bachelor in Economics and Management
- 2011-14 **Probability** - 2nd year undergraduates - Bachelor in Economics and Management
- 2012-13 **Mathematics** - 1st year undergraduates - Bachelor in Social and Economic Administration
- 2010-12 **Macroeconomics** - 1st and 2nd year undergraduates - Bachelor in Economics and Management

## Textbook

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**International economics** (in french - Économie internationale) - Vuibert - co-written with Patrick Domingues, Gérard Duchene, Amélie Guillin, Sandrine Kablan, Patrick Lenain and Julie Lochard, 2018.

# Responsibilities

## Collective responsibilities

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- 2023- **Project manager of the University of Orléans on the Madeleine project**  
*Monitor the real estate project aimed at hosting the faculty of Law, Economics and Management on the (new) Madeleine site in the heart of Orléans, lead the move of this faculty, prepare and lead the installation of the department of school teacher studies and the health center (medical and kinesitherapy studies) on the campus, participate in partnership relations with local authorities and private service providers involved in the realization of the project.*
- 2023- **Vice-president of the Conseil d'Experts Disciplinaires in Economics.** University of Orléans.  
*Council at the university level in charge of recruiting academics and following up their careers.*
- 2018- **Member of the Conseil National des Universités - Economics** (national authority in charge of recruiting academics and following up their careers).
- 2016- **Member of assistant professors recruitment committees (15)**  
AMSE, Université Aix-Marseille - 2022, 2023, 2024 (2)  
CREM, University of Rennes 1 - 2020, 2024  
LEMNA, Nantes University - 2023  
BETA, University of Nancy - 2022  
ERUDITE, University Paris Est Créteil - 2018, 2020  
ERUDITE, University Paris Est Marne la Vallée - 2019, 2020  
EconomiX, University Paris Nanterre - 2017, 2019
- 2018-22 **Member of the research center council ERUDITE,** University Paris Est Créteil

## Scientific responsibilities

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- 2024- **Co-organizer of the international conference "Environmental Economics : A Focus on Natural Resources"** LEO research center, University of Orléans.
- 2024- **Co-organizer of the FAERE doctoral workshop,** with Dorothée Charlier, Annecy.
- 2024 **Guest Editor of a special issue of the Journal of Applied Economics** (Impact Factor 1.8) with Thaïs Nunez Rocha.
- 2023- **Member of the Steering Committee of the FAERE, representative of the young researchers.**  
French Association of Environmental and Resource Economists.
- 2023 **Co-organizer of the 1st JD LEO - a workshop dedicated to the PhD students of the University of Orléans, University of Tours and University Clermont Auvergne.**  
LEO research center, University of Orléans
- 2023- **Scientific expert for the French National Research Agency (ANR).** Review of proposals.
- 2022- **Member of conferences scientific committee**  
The International Conference on Development Economics 2023 - Paris School of Economics  
Environmental Economics : A Focus on Natural Resources 2022, 2024 - Université d'Orléans
- 2020-22 **Organizer of the cultures and sustainable development seminar (interdisciplinary seminar)**  
Applied Foreign Languages Department, UFR LLSH, University Paris Est Créteil
- 2018-22 **Organizer of the seminar of ERUDITE**  
Economics Department, FSEG, University Paris Est Créteil
- 2015-16 **Organizer of the environmental and resource economics seminar**  
EconomiX - University Paris Nanterre

## Educational responsibilities

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| 2023-   | <b>Co-director of the Master International Economics (M1 and M2)</b> Economic Institute of Orléans, UFR DEG, University of Orléans  |
| 2022-   | <b>Member of the steering committee of the Master International Economics</b><br>Economic Institute of Orléans, UFR DEG, University of Orléans  |
| 2020-22 | <b>Co-director of the Master 1 International Management (100 students)</b><br>Applied Foreign Languages Department, UFR LLSH, University Paris Est Créteil  |
| 2020-22 | <b>Coordinator and recruiter for the courses in economics, law, management, communication and information technology</b><br>Applied Foreign Languages Department, UFR LLSH, University Paris Est Créteil              |
| 2018-20 | <b>Director of the second year of the Bachelor degree in Applied Foreign Languages</b><br>Applied Foreign Languages Department, UFR LLSH, University Paris Est Créteil  |
| 2019-22 | <b>Internship advisor - Master International Management</b><br>Applied Foreign Languages Department, UFR LLSH, University Paris Est Créteil   |
| 2016-22 | <b>Member of master's thesis committees - Master International Economic Studies and Master Development Economics and International Project Management</b><br>Economics Department, FSEG, University Paris Est Créteil |
| 2017-22 | <b>Member of the admission committee - Master International Economic Studies and Master Development Economics and International Project Management</b><br>Economics Department, FSEG, University Paris Est Créteil    |