

Curriculum vitae

Romain GATÉ

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Born January 15, 1991.

Professional affiliation

- Assistant Professor in Economics, Paris-Dauphine University, PSL.
- CNRS-IRD UMR8007-260 LEDA
Paris-Dauphine University
Place du Maréchal de Lattre de Tassigny
F-75116 Paris.
- Ph. D. in Economics from the University of Rennes1.

Research fields

- Urban and transport economics
- Environmental economics

Occupations

- 2019-** Assistant Professor in Economics, Paris-Dauphine University, PSL.
- 2017-2018** Temporary Teaching and Research Assistant, University of Rennes1 - CREM.
- 2014-2017** PhD Student, Economic research, University of Rennes1 - CREM.

Professional experiences

2014 - 2018 **PhD.** University of Rennes1 – CREM; INRA UMR SMART-LERECO. Doctoral school EDGE.
Title: **Traffic congestion and pollution regulations in polycentric cities: Urban forms and road pricing.**

Thesis jury :

- Markus Herrmann – CREATE, University LAVAL (rapporteur)
- Miren Lafourcade – PSE, University Paris Sud (rapporteur)
- André De Palma – ENS Cachan
- Fabien Moizeau – CREM, University of Rennes1
- Laurent Denant-Boëmont – CREM, University of Rennes1 (advisor)
- Carl Gagné – SMART-LERECO, INRA, Rennes (advisor)

2016 **Short period on research activities** within the Center of Research in Environmental, Food processing, Transports and Energy Economics (CREATE). University LAVAL in Québec, Canada. (Two months).

2013 - 2014 **M2 Engineer.** Dissertation: « Farm transfers: transferors' strategies and socio-economic brakes: A case study in Brittany » with the CRÉDIT AGRICOLE of Brittany and INRA, Rennes.

2009-2014 **MSc Food Science and agricultural engineering** - Applied economics, econometrics, futures market, international economics, specialization in Agricultural and environment markets and policies. Agrocampus Ouest – Rennes (www.agrocampus-ouest.fr).

Articles

Coline L. et Gaté R. (2024). Quels impacts de l'enseignement supérieur et de la recherche française sur le développement économique des territoires ? *Revue d'économie rurale et urbaine*. **Forthcoming publication**.

Gaté R. et Hilal M. (2023). Les déterminants des distances domicile-travail : cas des aires urbaines françaises métropolitaines. (First R&R with *Revue d'Economie Politique* for 15/01/2024).

Gaté R. (2023). Do road pricing schemes are efficient in polycentric cities with endogenous workplace locations ? (First R&R with *Revue Economique* for 21/12/2023).

Gaté R. et Latruffe L. (2016). Difficultés rencontrées lors de la transmission d'exploitations agricoles : le cas de la région Bretagne. *Economie rurale*. 351(1), 5-24. (CNRS rang 4/ HCERES rang B).

Denant-Boëmont L., Gagné C. et Gaté R. (2018). Urban spatial structure, transport-related emissions and welfare. In *Journal of Environmental Economics and Management (JEEM)*. 89, 29-45 (CNRS rang 1/HCERES rang A).

Working papers

Coline L. et Gaté R. (2023). "Which impacts have French higher education and research establishments on regional economic development? [Quels impacts de l'enseignement supérieur et de la recherche française sur le développement," Working Papers hal-04291629, HAL.

Denant-Boëmont L., Gagné C. et Gaté R. (2016). Urban spatial structure, transport-related emissions and welfare. Working paper CREM, 2016 – 18. <http://crem.univ-rennes1.fr/wp/2016/2016-18.pdf>

Gaté R. et Latruffe L. (2015). Problems encountered with farm transfers: the case of Brittany. *Working paper SMART – LERECO*, 15 – 01. <http://prodinra.inra.fr/record/282384>

Gaté R. (2019). Efficiency of road pricing schemes with endogenous workplaces in polycentric city.

Work in progress

- Urban congestion, telecommuting and corporate social and environmental responsibility (with J. Merlet).
- Road congestion modeling and efficiency of urban policies internalizing congestion externality in urban economics model.
- Regional environmental policy competition (with T. Ly et S. Legras).
- Understanding Urban Ecosystems in the Global South: Interdisciplinary Path in the Puzzles of
- Heuristic Spaces for Sustainable Actions (with CoSav Villes Durables de l'IRD)
- Are urban areas better environmentally managed than countries ? Introducing a new
- composite index (with E. Callerisa).
- Determinants of combustion engines' energy efficiency in private vehicles
- (with A. Dumand).
- Determinants of slums prevalence and persistence in Africa (with P. Chadeaux).

Main presentations

Invited seminars

« Commuting and urban forms: the case of French municipality areas »

CREAM 2021 Weekly seminar of Applied Economics of Globalization Research Center (CREAM-EA4702). Rouen-Normandie University. Rouen, France. March 2021.

« Commuting and urban forms: the case of French municipality areas »

INRA 2019 Weekly seminar of Public Economic Research Center (INRA UMR210). Paris, France. February 2019.

« Commuting and urban forms: the case of French municipality areas »

CREM 2018 Weekly seminar of Economic and Management Research Center (CREM). Rennes, France. October 2018.

« Urban Spatial Structure, Transport-Related emissions and Welfare »

CATT 2017 Workshop Location Choices and Environmental Economics organized by the CATT (Center of Theoretical and Economics Data Analysis). University of Pau, France. July 2017.

Conferences

« Commuting and urban forms: the case of French municipality areas »

FAERE 2019 6th Annual Conference of the French Association of Environmental and Resource Economists (FAERE). Rennes, France. 29 – 30 Août 2019.

« Commuting and urban forms: the case of French municipality areas »

AFSE 2019 68th Annual Meeting of the French Economic Association (AFSE). Orléans, France. June 2019.

« Efficiency of road pricing schemes with endogenous workplace location in a polycentric city »

JMA 2019 36th Days of Applied Microeconomics. Casablanca. Morocco. June 2019.

« Efficiency of road pricing schemes with endogenous workplace location in a polycentric city »

ADRES 2019 Association for Economic and Statistical Research Development Annual doctoral conference (ADRES). Marseille, France. February 2019.

Student prize session: « Efficiency of road pricing schemes with endogenous workplace location »

UEA 2018 8th European Annual Meeting of the Urban Economic Association (UEA). Düsseldorf, Germany. May 2018. Paper accepted to concur for the student prize session (only 6 participants).

« Efficiency of road pricing schemes with endogenous workplace location »

AFSE 2018 67th Annual Meeting of the French Economic Association (AFSE). Paris, France. May 2018.

« Urban Spatial Structure, Transport-Related emissions and Welfare »

AFSE 2017 66th Annual Meeting of the French Economic Association (AFSE). Nice, France. June 2017.

« Urban Spatial Structure, Transport-Related emissions and Welfare »

JMA 2016 33rd Days of Applied Microeconomics. Besançon, France. June 2017.

“Problems encountered with farm transfers: the case of Brittany”

SFER 2015 Symposium SFER: Farm structure and agricultural work organization: Stabilities, Changes or Brakes? Rennes, France. February 2015.

International workshops and seminars

« Efficiency of second-best road pricing schemes in the polycentric city »

CREATE 2016 PhD Workshop in Economics organized by the CREATE. University LAVAL, Québec, Canada. October 2016.

« Urban Spatial Structure, Transport-Related emissions and Welfare »

UEA 2016 Summer School in Urban Economics for Economics PhD Students organized by the Urban Economic Association (UEA). Faculty of Economics and Business of the University of Barcelona, Espagne. June 2016.

National workshops and seminars

« The Rise of Green Cities: ecological awareness and environmental policy competition »

LEDA 2023 Work-in-Progress workshop of Economic Research Center (LEDa). Paris Dauphine University, PSL. Paris, France. November 2023.

« Commuting and urban forms: the case of French municipality areas »

LEDA 2019 Weekly seminar of Economic Research Center (LEDa). Paris Dauphine University, PSL. Paris, France. October 2019.

« Efficiency of road pricing schemes with endogenous workplace location »

CREM 2018 PhD students' seminar of Economic and Management Research Center (CREM). Rennes, France. April 2018.

« Efficiency of second-best road pricing schemes with endogenous workplace location »

SMART 2017 Weekly seminar of SMART-LERECO, INRA. Rennes, France. May 2017.

« Efficiency of second-best road pricing schemes with endogenous workplace location »

SHOS 2017 PhD Students' Workshop in Management and Economics organized by the doctoral school SHOS (Human, Organizational and Social Sciences). Brest, France. April 2017.

« **Urban Spatial Structure, Transport-Related emissions and Welfare** »

SHOS 2016 PhD Students' Workshop in Management and Economics organized by the doctoral school SHOS (Human, Organizational and Social Sciences). Rennes, France. April 2016.

“**Urban spatial structure, transport-related emissions and welfare.**”

CREM 2016 PhD students' seminar of Economic and Management Research Center (CREM). Rennes, France. March 2016.

“**Is polycentric city environmentally sustainable?**”

SMART 2015 PhD students' day of research unit SMART-LERECO. Rennes, France. December 2015.

“**Problems encountered with farm transfers: the case of Brittany.**”

CREM 2015 PhD students' seminar of Economic and Management Research Center (CREM). Rennes, France. February 2015.

Doctoral courses

ITEA 2015 Summer School on Transportation Economics. International Transportation Economics Association (ITEA). Norwegian Centre for Transport Research (NCTR), Oslo, Norway.

CREM 2015 Summer School « Social Interactions and Urban Segregation ». CREM, Rennes, France.

Teaching experiences

Sustainable cities and transport systems (2022-2024), Master's Degree EFC (2nd year), 27 Hours of TW. *Introduction to major urban issues, characterization of a sustainable city, urban economics of climate change, presentation of canonical urban economics models, financing sustainable mobility.*

Apprentice supervisor (2022-2024), Master's degree 211 International Economic Diagnosis (2nd year), 18 Hours of TW. *Supervision, company visits, monitoring of apprentices' assignments, evaluation of an apprenticeship booklet and a dissertation with a defense by each student.*

Sustainability of urban policies (2022-2024), Master's degree AID/EEF (1st year), 27 Hours of TW. *Introduction to stylized facts, characterization of a sustainable city and its socio-economic effects, impacts of transport-related urban pollution.*

Game theory (2019-2024), Master's degree AID/EEF (1st year), 54 Hours of TW. *Introduction, dominant and dominated strategies, Nash equilibria, repeated games, Bayesian equilibria.*

International Economics (2021-2024), Bachelor's degree in applied economics (3rd year), 54 Hours of TW. *International trade in goods and services analysis, Ricardo's comparative advantage model, HOS model and new theories of international economics.*

Statistical treatment of economic information (2019-2024), **Bachelor's degree EIF (3rd year)**, 54 Hours of TW. *Survey, inference, sampling, parametric and non-parametric test theory, usual theoretical laws and approximations of laws, sampling distributions, confidence intervals, parametric and non-parametric hypothesis testing.*

Industrial Economics (2017), **Bachelor (2nd year)**, 64 hours of TW. *Imperfect competition, Simple and discriminating monopolies, monopsony, duopolies and oligopolies.*

Statistics/Probabilities (2017), **Bachelor (2nd year)**, 54 hours de TW. *Introduction to probability, random variables, usual theoretical laws and approximations of laws, sampling distributions, and confidence intervals.*

Risk and information economics (2016), **Bachelor (3rd year)**, 36 hours of TW. *Decisions making under uncertainty, mathematical expected payoffs, expected utility, certainty equivalent and risk premiums and attitudes towards risk.*

Introduction to the microeconomic market (2014, 2015), **Bachelor (1st year)**, 128 hours of TW. *Market equilibrium, consumer and firm behaviors, elasticities and cost functions.*

Macroeconomics (2017), **Bachelor (2nd year), International Section**, 12 hours of TW **in English**. *National accounting, the goods market, financial markets and the IS-LM model.*

Externalities and public goods (2017, 2018), **Bachelor (2nd year)**, 84 hours of TW. *Asymmetry of information, negative externalities and Nash equilibrium.*

Industrial Economics (2017), **Bachelor (2nd year)**, 64 hours of TW. *Imperfect competition, Simple and discriminating monopolies, monopsony, duopolies and oligopolies.*

Statistics/Probabilities (2017), **Bachelor (2nd year)**, 54 hours de TW. *Introduction to probability, random variables, usual theoretical laws and approximations of laws, sampling distributions, and confidence intervals.*

Risk and information economics (2016), **Bachelor (3rd year)**, 36 hours of TW. *Decisions making under uncertainty, mathematical expected payoffs, expected utility, certainty equivalent, risk premiums and attitudes toward risk.*

Introduction to the microeconomic market (2014, 2015), **Bachelor (1st year)**, 128 hours of TW. *Market equilibrium, consumer and firm behaviors, elasticities and cost functions.*

Commitments

- 2023** **Internship and dissertation supervision of P. Chadeaux, a student** in the Master 111 International Economy and Development on the subject of «Determinants of slums prevalence and persistence in Africa » (3 months).
- 2023** **Internship and dissertation supervision of S. Le Gall, a student** in the Master APE of Paris School of Economics (PSE) on the subject « Which urban planning policies are most effective in reducing commuting distances? ».
- 2023** **Internship and dissertation supervision of E. Callerisa, a student** in the Master 111 International Economy and Development on the subject of « Are urban areas better environmentally managed than countries? ».

- 2022-** **Elected member of the MSO Council** of Paris-Dauphine University, College B of Associate Professors.
- 2022-2023** **Treasurer** of the French Association of Energy Economists (FAEE).
- 2022** **Internship and dissertation supervision of C. Louis**, a student in the Master 111 International Economy and Development on the subject of “What impact does French higher education and research have on the economic development of regions?” (3 months).
- 2021-** **Co-responsible for International Economics course**, 3rd year of the bachelor’s degree in applied economics (about 60-75 students). Co-organization of exams and assessment procedures.
- 2021** **Selection committee member for assistant professor** positions 4751 and 4752. Review of candidates for recruitment, evaluation reports drafting and participation in committee meetings.
- 2020-2024** **Executive Committee member of the French Association of Energy Economists (FAEE)**, organizing monthly conferences and an annual conference with academics, professionals and institutions.
- 2020-2022** **Member of Maria-Juliana SUAREZ FORERO's Thesis Follow-up Committee**. Thesis subject: Analysis of the economic and technical issues associated with integrating electric vehicles into electricity grids.
- 2020-2021** **Member of the organizing committee** for the French Association of Energy Economists (FAEE). Discussion of a scientific article.
- 2020** **Substitute member of the recruitment committee** for future doctoral students at LEDa.
- 2015-2018** **President** of PROJECT association (Promotion of young economists in the thesis) gathering the Ph.D. students of the CREM. Involvement in the annual PhD seminar organization that aims at enhancing their research work (<https://project-rennes.com/>).
- 2015-2018** **Doctoral students' representative** on the Unit Council of Economic and Management Research Center. (CNRS, UMR6211 CREM).
- 2014-2015** **Treasurer** of PROJECT association. Budget management.

Leading research

- 2023** **Speaker at a cross-disciplinary conference “Dauphine Durable” about Urban mobility in town entry points**. Conference organized in October 2023 by “le cercle Dauphine Durable” from Paris Dauphine University. https://dauphine.psl.eu/dauphine/media-etcommunication/article/reinventer-les-entrees-de-ville-commerciales-defis-urbainclimatique?utm_campaign=HD%20173%20-%201%27hebDau%27%20du%2013%20octobre%202023&utm_medium=email&utm_source=Mailjet
- 2023** **Conference organizer on heavy transport decarbonization** as part of the French Association of Energy Economists conference cycle. (In October 2023). <https://dauphine.psl.eu/dauphine/media-et-communication/article/colloque-la-decarbonation-destransports-lourds>
- 2023-** **External member of the Board** of the EDGE Doctoral School in Economics and Management of Brittany.

- 2022** **Panel speaker at the round table discussion on Sustainable Mobility** organized in October 2022 by the Doctoral School of the Universities of Rouen, Le Havre and Caen. Presentation on transport-related pollution and urban policies sustainability.
- 2021-** **Active member of the interdisciplinary “Communauté de Savoir” (CoSav) Sustainable Cities in the Souths** from the Research Institute for Development (IRD). Participation in a research school with field surveys in Tunis in April 2022. Co-host of a webinar on CoSav Words.

Computer skills

Programming languages: Maple (advanced), STATA (advanced), R (basics, ANOVA, ACP, ACM, textual analysis).

Markup language: L^AT_EX

Office software: Word, Excel, Powerpoint, Access, LibreOffice.

Languages

English (fluent),
German (intermediary),
Spanish (beginner),
French (native).