

Chloé Beaudet

PhD Candidate in Environmental Economics
Université Paris-Saclay, AgroParisTech
Palaiseau, France
Citizenship: French

Website: <https://chloebeaudet.github.io/>
Email: chloe.beaudet5@gmail.com

RESEARCH INTERESTS

Main: Biodiversity and environmental economics, urban sustainability and spatial planning, causal inference for public policy evaluation.

Secondary: Machine learning, development economics.

EDUCATION

PhD in Environmental Economics, University Paris-Saclay & AgroParisTech Palaiseau, France
Title of the dissertation: "Towards sustainable lighting : socio-economic analyses of light pollution reduction policies" 2022-2025
Supervisors: Maia David & Léa Tardieu

Visiting Scholar, Berlin Center for Empirical Economics Berlin, Germany
Invited by Prof. Tobias Börger March 2025 - May 2025

MSc in Economics and Statistics, ENSAE Paris Palaiseau, France
Specialization in microeconomic evaluation of public policies 2017-2021

MSc in Environmental Economics, AgroParisTech & Université Paris-Saclay Paris, France
Title of the thesis: "Are citizens willing to accept changes in public lighting for biodiversity conservation?" 2020-2021
Specialization in non-market valuation

PUBLICATIONS

Planning sustainable lighting for biodiversity and society (2025), with Léa Tardieu, Sarah Potin, Julie Chaurand, Léa Mariton, Vincent Delbar and Maia David. *Nature Cities*. [Pre-print version](#). [Associated R-Shiny tool](#).

Are citizens willing to accept changes in public lighting for biodiversity conservation? (2022) with Léa Tardieu and Maia David. *Ecological Economics*, 200, 107527. [Pre-print version](#).

From poverty to disaster and back: A review of the literature (2020) with Stéphane Hallegatte, Adrien Vogt-Schilb, Julie Rozenberg, Mook Bangalore. *Economics of Disasters and Climate Change*, 4, 223-247.

WORK IN PROGRESS

The Dark Night Rises: the impact of switch-off policies on crime – *Job market paper*.

Identifying public lighting switch-offs from space: A breakpoint detection approach using DNB VIIRS data, with Christopher Kyba and Sébastien Castets.

Mapping preferences derived from a choice experiment : a comparison of two methods, with Léa Tardieu, Romain Crastes dit Sourd and Maia David. [Pre-print version](#).

WORKING PAPERS

Early Warnings: Coverage, Determinants of Reception, and Benefits. What surveys can tell us. (2025) with Louise Bernard, Bramka Arga Jafino and Paolo Avner. *World Bank, Policy Research Working Paper 11199*

Leveling Up - Impacts of Performance-Based Grants on Municipal Revenue Collection in Mozambique (2021) with Alvina Erman, Carla Solis Uehara. *World Bank, Policy Research Working Paper 9789*.

TEACHING

TA sessions

- Econometrics 2, ENSAE Paris Spring 2023, Spring 2024
Prof. Laurent Davezies and Michael Visser (Graduate Level). 72h
Received 100% positive student evaluations (“satisfactory” or “very satisfactory”).
- Intermediate econometrics, ENS Paris-Saclay Fall 2022, Fall 2023
Prof. Gregory Verdugo (Graduate Level) 42h
- Microeconomics, AgroParisTech Fall 2023
Prof. Jean-Christophe Bureau (Bachelor level) 6h

Lectures

- Introduction to econometrics, AgroParisTech Fall 2023, Fall 2024
Prof. Elodie Rouvière (Graduate Level) 6h

ADMINISTRATIVE EXPERIENCE & WORKSHOP ORGANIZATION

- Doctoral students’ representative** at Paris-Saclay Applied Economics (PSAE) 2023-2024
- Organized a three-day scientific retreat for PSAE PhD students** (Le Havre, France) 2024
- Organized the PhD Day** at PSAE 2023 and 2024
- Doctoral students’ representative** at the Scientific Council of AgroParisTech 2022-2023

ADDITIONAL WORK EXPERIENCE

- World Bank**, Short-Term Consultant (GFDRR) Paris, France
— Conducted econometric analyses and descriptive studies on early warning systems for natural disasters 10/2024 - 06/2025
- Inspection générale des finances** (Ministry of economics and finance), Data Scientist Paris, France
— Evaluation of public policies at the request of ministries 02/2022 - 09/2022
- World Bank**, Short-Term Consultant (GFDRR) Washington DC, USA
— Supervisors: Stéphane Hallegatte, Jun Rentschler, Paolo Avner, Alvina Erman 03/2020 - 09/2020
— Public policy evaluations, literature review
- Veltys**, Data Scientist Intern Paris, France
— Evaluation of the impact of weather conditions on the sales of ready-to-wear clothing 09/2019 - 02/2020
— Development of a marketing strategy to find sponsors for a national team
- Athena Infonomics**, Data Scientist Intern Chennai, India
— Statistical study on two different development-related projects 06/2019 - 08/2019
— Writing of an article on the impact of drought on women.

POLICY COLLABORATION AND REPORTS

POLLUM: Planning sustainable lighting to reduce its impact on biodiversity and health; in partnership with the Région Occitanie, the Montpellier Metropolitan Area, La TeleScop, le CESCO, OPIE, LPO & Groupe des Chiroptères du Languedoc Roussillon. Associated reports:

- "POLLUM : Création d’un outil d’aide à la définition de la trame noire à partir d’images satellites nocturnes à très haute résolution", with Sarah Potin, Julie Chaurand and Léa Tardieu. [Link to the report.](#)
- Participation to the Lighting Plan (*Plan lumière*) of Montpellier metropolitan area: [Link to the report.](#)

OPINION PAPERS AND MEDIA COVERAGE

Éclairer la ville ou protéger la biodiversité : faux dilemme (2025) in *The Conversation*, with Léa Tardieu, Léa Mariton, and Maia David.

Lucioles, grenouilles, oiseaux nocturnes... A Montpellier, la pollution lumineuse des lampadaires passée au crible par les scientifiques (2025) in *Libération*.

“El 83% de la población mundial y el 99% de los europeos viven bajo un cielo contaminado por la luz”, in *soziable.es* (2025).

Repenser la ville à la lumière de la nuit, interview in *Le Géomètre magazine* (2025).

«Des millions d’euros économisés» : à Montpellier, un plan anti-pollution lumineuse sur mesure qui fait consensus, in *Vert le média* (2025).

Éclairage public : les Français sont-ils prêts à éteindre la lumière ? (2022) in *The Conversation*, with Léa Tardieu and Maia David.

SEMINARS, WORKSHOPS & CONFERENCES

2025: EAERE (European Association of Environmental and Resource Economists) Winter School on Biodiversity Economics, BETA external seminar, PSAE PhD seminar, DCE colloquium (Leipzig), iDiv external seminar (Leipzig), Berlin School of Economics and Law seminar, Institute for Ecological Economy Research (IÖW) seminar (Berlin), AFSE (Association française des sciences économiques) conference.

2024: PSAE Internal Seminar, Annual conference of the AES (Agricultural Economic Society) (Edinburgh), Workshop on non-market valuation (Leeds), ValuGaps Summer School "Economic Valuation of Natural Capital: From Theory to Practice", EAERE (European Association of Environmental and Resource Economists) conference (Leuven), FAERE (French Association of Environmental and Resource Economists) conference (Strasbourg).

2023: EAAE (European Association of Agricultural Economics) Congress (Rennes), FAERE conference (Montpellier), 21st Workshop on Spatial Econometrics and Statistics, 5th CIRED International Summer School, "Economy, Health and Environment: Risks and Uncertainties" workshop, Salon de l’Agriculture, Université Paris-Saclay PhD Day, UMR TETIS PhD Day.

2022: PhD Workshop of the FAERE, PSAE Kick-off seminar

2021: UMR TETIS Internal seminar

GRANTS, SCHOLARSHIP AND AWARDS

Mobility grant, **ABIES doctoral school** (€1000) 2025

Mobility grant, **Graduate School Biosphera** (€2000) 2025

Best paper award, **Workshop on non-market valuation** (Leeds) 2024

EAERE participation grant (€500) 2024

PhD Scholarship, **INRAE (Ecosocio department) and ABIES (AgroParisTech doctoral school)** 2022

TECHNICAL SKILLS AND LANGUAGES

Languages: English (speaking, reading, writing: C1), French (native), Spanish (reading: C1, writing, speaking: B2)

Programming and softwares: R, Python, Stata, L^AT_EX

REFERENCES

Léa Tardieu

Research Fellow at INRAE

Email: lea.tardieu@inrae.fr

Paolo Avner

Senior Economist at The World Bank

Email: pavner@worldbank.org

Maia David

Professor at AgroParisTech

Email: maia.david@agroparistech.fr

Romain Crastes dit Sourd

Associate professor at University of Leeds

Email: R.CrastesditSourd@leeds.ac.uk