

Etienne Lorang

PhD Candidate in Environmental Economics

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Education

- 2018–2022 : **PhD Candidate, Environmental Economics, BETA (INRAE) & Climate Economics Chair**, The resource, waste and climate conundrum: Essays on the economics of recycling, supervised by Philippe Delacote (INRAE) & Gilles Lafforgue (TBS).
My work concerns the evaluation of interactions between human activity and natural environment when recycling is considered. I explore the potential that recycling holds for the development of a sustainable economic model by assessing its environmental impacts, analyzing policy objectives and questioning the framework of analysis regarding sustainability.
- 2014–2018 : **Diplôme d'ingénieur, CentraleSupélec**, French School of Engineering and Applied Science, Supélec syllabus, Energy Conversion.
- 2017–2018 : **Master 2, Economics, Université Paris–Dauphine (and others)**, Master 2 IREN.
- 2012–2014 : **Classe Préparatoire aux Grandes Ecoles, Lycée Henri IV**, Mathematics and Physics section (MP).

Work Experience

- 2018 **Research internship, Climate Economics Chair**, Circular economy, recycling and CO₂ emissions, 5 months.
- 2017 **Pricing internship, ENGIE Entreprises et Collectivités**, Electricity pricing, 6 months.
- 2016 – 2017 **IS internship, Ortec Innovazione e Tecnologia, Torino**, Management of IS projects, 6 months.
- 2015 **Operating internship, Thales Asia Solutions, Singapore**, Maintenance workshop, 1 month.

Research

Journal Articles

- 2022 **Gilles Lafforgues and Etienne Lorang**, Recycling under environmental, climate and resource constraints, In *Resource and Energy Economics*.
<https://doi.org/10.1016/j.reseneeco.2021.101278>
- 2022 **Quentin Hoarau and Etienne Lorang**, An assessment of the European regulation on battery recycling for electric vehicles, In *Energy Policy*.
<https://doi.org/10.1016/j.enpol.2021.112770>

Working papers

- 2022 Etienne Lorang. Recycling in a sustainable framework.
- 2021 Etienne Lorang, Antonello Lobianco and Philippe Delacote. Sectoral, resource and carbon impacts of increased paper and cardboard recycling. ([link](#))

Work in progress

Recycling and oligopolistic markets
Sustainable resource use in the energy transition

Other

2019 *Recycling opportunity under environmental impacts*, Resource Modeling Association Newsletter. ([link](#))

2019 *Pourquoi l'économie circulaire ne doit pas remplacer la sobriété*, with P. Delacote and G. Lafforgue, The Conversation. ([link](#))

Media: [Libération](#)

Accepted presentations

2021 EAERE (Berlin, DE), IAEE (Paris, FR)

2020 FAERE (Grenoble, FR)

2019 EAERE (Manchester, UK), WCNRM (Montreal, CA)—*awarded best student paper presentation*, CEC Annual Conference (Paris, FR)

Refereeing

Resource and Energy Economics

Teaching

2019–2021 : **CentraleSupélec**, *Economics of growth*, undergraduate level.

2021 : **CIDEFE**, *Circular Economy and waste management*, for French elected officials.

Additional skills and achievements

Languages French (Mother tongue), English (Fluent)

IT skills Mac & PC, Office Pack, R, Julia, GAMS, Matlab, Java, Python, \LaTeX , VBA

References

Philippe Delacote

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d'Economie Théorique et Appliquée
INRAE
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Gilles Lafforgue

Associate Professor, Economics
Toulouse Business School
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