

## Gilles LAFFORGUE

### Toulouse Business School

1 Place Alphonse Jourdain, CS 66810, 31068 Toulouse Cedex 7, France  
Tel. 33(0)5.61.29.47.24 – Email: [g.lafforgue@tbs-education.fr](mailto:g.lafforgue@tbs-education.fr)

#### ACADEMIC POSITIONS

---

- Since 2012 Associate Professor at Toulouse Business School (TBS)  
Since 2012 Associate researcher at Toulouse School of Economics (TSE), member of the research group on Environmental and Natural Resources Economics, and of the Climate and Energy Focus Center  
2005 – 2012 INRA junior research fellow (TSE-LERNA)  
2003 – 2005 Assistant Professor, Agrocampus Ouest (Angers)  
2002 – 2003 Lecturer in Economics (ATER), University of Perpignan  
2001 – 2002 Lecturer in Economics (ATER), University of Toulouse Capitole  
1998 – 2001 Doctoral research fellow and teaching assistant, University of Toulouse Capitole

#### EDUCATION

---

- 2013 HDR (French accreditation to supervise research), Toulouse School of Economics  
2002 *Ph.D.* in Economics, University of Toulouse  
1998 *MSc.* - Master in Environmental and Natural Resource Economics, University of Toulouse  
1998 *MSc.* - Master in Economics and Statistics (Magistère), University of Toulouse

#### TEACHING

---

##### **Toulouse Business School, since 2012:**

Macroeconomics (MBA), Managerial economics (undergraduate), Environmental and natural resources economics (Master), Climate economics (undergraduate and Master), International trade (MSc)

##### **INP Toulouse (ENSIACET et INPT-Purpan), since 2015:**

Climate economics (MSc), Circular economy and recycling (MSc)

##### **Toulouse School of Economics, since 2008:**

Economics of energy and climate change (master and PhD)

##### **Toulouse School of Economics, 2008 – 2012:**

Economic dynamics (master), Demography and economic applications (master)

#### RESEARCH INTERESTS

---

Environmental and natural resource economics  
Energy and climate change  
Growth and technical change  
Recycling

## PUBLICATIONS

---

### Published papers

- Recycling under environmental, climate and resource constraints (2022), with E. Lorang. *Resource and Energy Economics*, 67, 101278.
- Life Cycle Assessment models for overall aircraft design (2022), with A. Fabre, T. Planes, S. Delbecq and V. Budinger. *AIAA SciTech*, DOI: 10.2514/6.2022-1028.
- A dynamic model of recycling with endogenous technological breakthrough (2019), with L. Rouge. *Resource and Energy Economics*, 57, pp. 101-118.
- Recycling opportunity under environmental impacts (2019), with E. Lorang. *RMA Newsletter*, Fall 2019, pp. 9-10.
- Environnement et ressources naturelles: Introduction (2017), with F. Salanié and L. Rouge, *Revue Française d'Economie*, 31(3), pp. 1-8.
- Des modes de capture du carbone et de la compétitivité relative des énergies primaires (2016), with J-P. Amigues and M. Moreaux. *Economie et Prévisions*, 208-209, pp. 39-55.
- Optimal timing of carbon capture policies under learning-by-doing (2016), with J-P. Amigues and M. Moreaux. *Journal of Environmental Economics and Management*, 78, pp. 20-37.
- Optimal timing of carbon sequestration policies (2015) avec J-P. Amigues et M. Moreaux. *Economics Bulletin*, 35(4), pp. 2242-2251.
- Optimal timing of CCS policies with heterogeneous energy consumption sectors (2014), with J-P. Amigues and M. Moreaux. *Environmental and Resource Economics*, 57(3), pp. 345-366.
- A note on the induced effects of carbon tax and R&D subsidies in carbon-free technologies (2013), with A. Berwald and N. Taverdet-Popiolek. *Energy Studies Review*, 20(2), pp. 71-89.
- Optimal carbon capture and storage policies (2013), with A. Ayong le Kama and M. Fodha. *Environmental Modeling and Assessment*, 18(4), pp. 417-426.
- Faut-il subventionner la R&D dans les technologies énergétiques non carbonées ? L'apport des modèles macro-économiques sur la question (2012), with N. Taverdet-Popiolek. *Revue de l'Energie*, 606, pp. 119-128.
- Climate change mitigation options and directed technical change: A decentralized equilibrium analysis (2011), with A. Grimaud and B. Magné. *Resource and Energy Economics*, 33(4), 938-962.
- Climate change mitigation policies: Are R&D subsidies preferable to a carbon tax? (2008), with A. Grimaud. *Revue d'Economie Politique*, 119(6), pp. 915-940.
- Stochastic technical change, exhaustible resource and optimal sustainable growth (2008). *Resource and Energy Economics*, 30(4), pp. 540-554.
- Energy substitutions, climate change and carbon sinks (2008), with B. Magné and M. Moreaux. *Ecological Economics*, 67(4), pp. 589-597.
- Optimal soil management and environmental policy (2007), with W. Oueslati. *Economics Bulletin*, 17(3), pp. 1-10.
- Sustainable growth, exhaustible resource and stochastic discovery process (2006), in French. *Annales d'Economie et de Statistique*, 81, pp. 93-111.
- Uncertainty and amenity values in renewable resource economics (2005). *Environmental and Resource Economics*, 31(3), pp. 369-383.

### Collective books; Book chapters

- *Environnement et Ressources Naturelles* (2017), in French, coedited with L. Rouge and F. Salanié, special issue of *Revue Française d’Economie*, Vol. 31, n°3.
- The optimal sequestration policy with a ceiling on the stock of carbon in the atmosphere (2008), with B. Magné and M. Moreaux. In *The Design of Climate Policy* (Chapter 14, pp. 273-304), R. Guesnerie and H. Tulkens eds, Boston: The MIT Press.
- The optimal use of a renewable resource under catastrophic risks (2002). In *Risk and uncertainty in environmental and resource economics*, E.C. van Ierland, H.P. Weikard and J. Wesseler eds, Wageningen, The Netherlands (Conference proceedings).

### CONFERENCES & SEMINARS

---

#### Conferences presentations

**2019:** FAERE (Rennes). **2018:** SURED (Ascona). **2017:** EAERE (Athens); FAERE (Nancy). **2016:** SURED (Banyuls-sur-mer); FAERE (Bordeaux). **2015:** FAERE (Toulouse). **2014:** WCERE (Istanbul); FAERE (Montpellier). **2013:** EAERE (Toulouse); APET (Lisbon). **2012:** SURED (Ascona); EAERE (Prague). **2011:** EAERE (Roma). **2010:** SURED (Ascona); WCERE (Montreal). **2009:** GCET (Lisbon). **2008:** EAERE (Gothenburg); SURED (Ascona). **2007:** CREE (Ottawa); EAERE (Thessaloniki). **2006:** WCERE (Kyoto); SURED (Ascona). **2004:** SURED (Ascona); AERNA (Vigo). **2002:** CREE (Montreal); Conference on “Risk and Uncertainty in Environmental Economics” (Wageningen). **2001:** ASSET (Rethymno); IWRC (Girona).

#### Invited talks and seminars

**2020:** Seminar Beta (University of Nancy). **2019:** TSE (Reading Group in Environmental and Resource Economics). **2018:** International Workshop on “Environmental and Natural Resources Economics” (Rennes); Green ECON Spring School (Marseille); CEE-M Seminar (Montpellier). **2017:** Economix Environmental Economics Seminar (University of Paris 10 – Nanterre). **2016:** Conference on “Combating climate change” (Vrije University, Amsterdam). **2015:** TSE Conference on Energy and Climate (Toulouse). **2014:** TIGER Forum (Toulouse School of Economics); LEF Workshop on “Economics of Carbon, Climate Change and Forest” (Nancy). **2013:** TBS Financial economics seminar (Toulouse). **2011:** TSE Conference in Honor of M. Moreaux (Toulouse). **2010:** Public Economics Seminar (Agroparistech Grignon); Environmental Economics Seminar (Paris School of Economics); ERF Conference on “Environmental Challenges in the MENA Region” (Casablanca); Journées INRA de l’Environnement (Montpellier). **2009:** LEMNA Seminar (Nantes); CESifo Conference on Climate Change (Munich); IDEI-LERNA Conference on “Equity in Environmental and Resource Economics” (Toulouse); Recent Advances in CCS Economics and Sociology (Pau). **2008:** Journées Jeunes Chercheurs INRA (Montpellier). **2007:** Seminar of the Center of Resource and Environmental Studies (Tilburg University); Conference on “Macro-dynamics and Environmental Economics” (University of Paris 10 – Nanterre). **2006:** EUREQua Seminar (University of Paris 1), LERNA Seminar (University of Toulouse 1); **2004:** GEAPE Seminar (University of Angers); ENSAR Seminar (Agrocampus Rennes); EUREQua Seminar (University of Paris 1); **2003:** CREREG Seminar (University of Rennes); LEN Seminar (University of Nantes), JEREM Seminar (University of Perpignan), EUREQua Seminar (University of Paris 1).

### REFEREE and EDITION SERVICES

---

#### Editorial Board

- French Economic Review (*Revue Française d’Economie*)
- FAERE Working Papers series

**Journals (referee services)**

Annals of Economics and Statistics, Ecological Economics, Economics Bulletin, Energy Economics, Energy Studies Review, Environment and Development Economics, Environment Development and Sustainability, Environmental and Resource Economics, European Economic Review, Journal of the Association of Environmental and Resource Economists, Journal of Economic Dynamics and Control, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Public Economy, Journal of Public Economic Theory, Journal of Risk and Uncertainty, Macroeconomic dynamics, Review of Agricultural and Environmental Studies, Resource and Energy Economics, The BE Journal of Macroeconomics, The Review of Economic Studies

**Conference program committee**

EAAE (2008), AFSE (2008, 2012), EAERE (since 2010), WCERE (2014, 2018), SFER (2012), FAERE (2015), TSE Conference on Energy and Climate (2015, 2016, 2017, 2019)

**OTHER SCIENTIFIC AND ADMINISTRATIVE ACTIVITIES**

---

**PhD supervision**

- E. Lorang (co-supervision with P. Delacote – Climate Economics Chair): *Circular economy, recycling and CO2 emissions*. In progress.
- J. Visi Bobese (DBA, TBS Paris): *Sustainable development in the Congo Basin tropical forest of DRC*. In progress.
- A. Salgas (co-supervision with S. Delbecq – ISAE-Supaero): *Simulation de scénarios à moyen et long terme pour un transport aérien durable par une approche pluridisciplinaire*. In progress.

**Ph.D and HDR committee member**

- P. Cayet (2021, PhD, rapporteur), Université Paris Nanterre
- C. Andrade (2021, PhD), PSL University
- A. Tomini (2019, HDR, referee), Aix-Marseille School of Economics
- P. Da Costa (2017, HDR), University of Toulon
- M-H. Hubert (2017, HDR, referee), University of Rennes1
- M. Altaghlibi (2017), University of Amsterdam
- B. Vardar (2016, referee), Paris School of Economics and Université Catholique de Louvain
- A. Vogt-Schilb (2015, referee), Université Paris Est
- M. Renner (2015, referee), Université Paris Ouest-Nanterre
- R. Coulomb (2013), Paris School of Economics
- A. Mosiño (2012), Université de Grenoble Haute-Savoie

**Other committees**

Since 2019 Elected member, Executive Committee, French Association of Environmental and Resource Economists (FAERE)  
 2011-2013 Elected member, Scientific Committee, INRA, Department of Social Science (SAE2)  
 2006-2008 Member of the recruitment committee (commission de spécialistes, section 05), UT1

**Expertise**

Since 2021 Expert for the CEDD (Commission Economique du Développement Durable)  
 2017-2019 Appointed member of the France's Commission on the Social Value of Carbon  
 2015-2018 Expert for the CCEE (Commission des Comptes et de l'Economie de l'Environnement)

**Granted research programs and partnerships**

- 2021-2025 SCARCYCLET (economics of recycling), ANR-21-CE03-0012.  
2021-2023 SUSAN (SUStainable AviatioN), granted by STAE Foundation  
2014-2017 SEARRCH (Sustainable Engineering Assessment Research for Recycled Composites with High value), ANR-13-ECOT-0005-04  
2011-1014 GLOBAL IQ (Global Impact Quantification), EU-FP7-266992  
2011-2012 « Séquestration des gaz à effet de serre, compétitivité relative des énergies primaires et diversité de leurs usages », Conseil Français de l'Énergie, coordinator  
2010-2012 Partnership TSE-Ministry of Ecology (MEEDTL), coordinator  
2008-2009 « Changement Climatique, Progrès Technique Endogène, Choix énergétiques et CCS », INRA-SAE2, CSD grant for junior researchers, coordinator.  
2006-2009 « Changement climatique et croissance endogène », Conseil Français de l'Énergie  
2003-2005 ACI « Modélisation économique du développement durable », Ministère Recherche