



Loïc BERGER

Ph.D. in Economics

Full Professor, Economics

CNRS Researcher

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EDUCATION

- 2021** HDR, Economics, University of Lille, France
- 2012** Ph.D. in Economics, Toulouse School of Economics, France
- 2008** MSc in Economics, ECARES, Université Libre de Bruxelles, Belgium
- 2007** Master in Economics, Université Libre de Bruxelles, Belgium

RESEARCH INTERESTS

Decision theory, economics of risk and uncertainty, environmental and climate change economics, health economics

PROFESSIONAL EXPERIENCE

ACADEMIC:

- 2018 - Present** Associate Professor, IÉSEG School of Management, France
- 2016 - 2018** Assistant Professor, IÉSEG School of Management, France
- 2015 - 2018** Associate Researcher, Fondazine Eni Enrico Mattei , Milan, Italy
- 2013 - 2015** Researcher, Fondazine Eni Enrico Mattei , Milan, Italy
- 2008 - 2012** FNRS Research Fellow, Fonds National de la Recherche Scientifique, Brussels, Belgium

PROFESSIONAL:

- 2015 - 2016** Environmental Economic Expert, Federal Planning Bureau, Brussels, Belgium

COURSES TAUGHT

- Environmental and energy economics, Grande ecole (bachelor cycle)
- Environmental economics and climate change, Grande ecole (master cycle)
- Understanding business cycles for strategic decisions, Grande ecole (bachelor cycle)

- Macroeconomics indicators and policies
- Industrial economics and corporate strategy, Grande école (bachelor cycle)
- Introduction to microeconomics
- Mathcamp
- Graduate macroeconomics
- Mathematics (1st year undergrad)
- Mathematics (2nd year undergrad)

INTELLECTUAL CONTRIBUTIONS

Papers in refereed journals

Published

Aydogan I., Berger L., Liu N., Bosetti V., (2023), Three Layers of Uncertainty, *Journal of the European Economic Association*, 21(5), pp. 2209-2236

Bayle-Cordier J., Berger L., Elatmani R., Tavoni M., (2023), Breath, Love, Walk? The impact of mindfulness interventions on climate policy support and environmental attitudes, *Sustainability*, 15(3), pp. 10491

Berger L., (2022), What is Partial Ambiguity?, *Economics and Philosophy*, 38(2), pp. 206-220

Berger L., Berger N., Bosetti V., Gilboa I., Hansen L. P., Jarvis C., Marinacci M., Smith R. D., (2021), Rational Policymaking during a Pandemic, *Proceedings of the National Academy of Sciences of the United States of America*, 118(4), pp. e2012704118

Berger L., Bosetti V., (2020), Are Policymakers Ambiguity Averse?, *The Economic Journal*, 130(626), pp. 331-355

Berger L., Bosetti V., (2020), Characterizing ambiguity attitudes using model uncertainty, *Journal of Economic Behavior & Organization*, 180(1), pp. 621-637

Berger L., Bréchet T., Pestiaux J., van Steenberghe V., (2020), The transition of Belgium towards a low carbon society : a macroeconomic analysis fed by a participative approach, *Energy Strategy Reviews*, 29(100463), pp. 1-4

Berger L., Eeckhoudt L., (2020), Risk, Ambiguity, and the Value of Diversification, *Management Science*, 67(3), pp. 1639-1647

Berger L., Emmerling J., (2020), Welfare as Equity Equivalents, *Journal of Economic Surveys*, 34(4), pp. 727-752

Berger L., Marinacci M., (2020), Model Uncertainty in Climate Change Economics: A Review and Proposed Framework for Future Research, *Environmental and Resource Economics*, 77(3), pp. 475-501

Jewell J., Emmerling J., Vinichenko V., Bertram C., Berger L., Daley H., Keppo I., Krey V., Gernaat D., Fragkiadakis K., McCollum D., Paroussas L., Riahi K., Tavoni M., van Vuuren D., (2020), Reply to MA: Why fossil fuel producer subsidies matter, *Nature*, 578(2020), pp. E5-E7

Jewell J., McCollum D., Emmerling J., Bertram C., Gernaat D., Krey V., Paroussos L., Berger L., Fragkiadakis K., Keppo K., Saadi Failali N., Tavoni M., van Vuuren D., Vinichenko V., Riahi K., (2018), Limited emission reductions from fuel subsidy removal except in energy-exporting regions, *Nature*, 554, pp. 229-233

Berger L., Emmerling J., Tavoni M., (2017), Managing Catastrophic Climate Risks Under Model Uncertainty Aversion, *Management Science*, 63(3), pp. 749-765

Bosetti V., Weber E., Berger L., Budescu D., Liu N., Tavoni M., (2017), COP21 Climate Negotiators' Responses to Climate Model Forecasts, *Nature Climate Change*, 7(3), pp. 185-189

Berger L., (2016), The impact of ambiguity and prudence on prevention decisions, *Theory and Decision*, 80(3), pp. 389–409

Berger L., (2014), Precautionary saving and the notion of ambiguity prudence, *Economics Letters*, 123(2), pp. 248-251

Berger L., Bleichrodt H., Eeckhoudt L., (2013), Treatment decisions under ambiguity, *Journal of Health Economics*, 32(3), pp. 559-569

Forthcoming

Aydogan I., Berger L., Bosetti V., (2023), Unraveling Ambiguity Aversion, *The Review of Economics and Statistics*, -(-), pp. -

Berger L., (2023), A randomness device to create the conditions of uncertainty, *Applied Economics Letters*, tbd(tbd), pp. tbd

Communications in refereed conferences

International

Berger L., Aydogan I., Bosetti V., (2021), *Unraveling Ambiguity Aversion: The Links between Uncertainty, Complexity, and Sophistication* D-TEA, Paris, France

Berger L., Aydogan I., Bosetti V., Liu N., (2018), *Three layers of uncertainty: an experiment* D-TEA , Paris, France

Berger L., Eeckhoudt L., (2018), *Ambiguity and the Value of Diversification* 45th EGRIE Seminar , Nuremberg, Germany

Berger L., Marinacci M., (2018), *Model Uncertainty and Climate Change Economics* 6th World Congress of Environmental and Resource Economists, Gothenburg, Sweden

Berger L., Bosetti V., (2017), *Are Policymakers Ambiguity Averse?* 23rd Annual Conference of the European Association of Environmental and Resource Economists, Athens, Greece

Berger L., Bosetti V., (2017), *Are Policymakers Ambiguity Averse?* 32nd Annual Congress of the European Economic Association (EEA) - 70th European Meeting of the Econometric Society, Lisbon, Portugal

Berger L., Bosetti V., (2017), *Are Policymakers Ambiguity Averse?* 44th Seminar of the European Group of Risk and Insurance Economists (EGRIE), London, United Kingdom

Berger L., Bosetti V., (2017), *Smooth Model Uncertainty and Ambiguity Aversion* 44th seminar of the European Group of Risk and Insurance Economists (EGRIE), London, United Kingdom

Berger L., Bosetti V., (2016), *Ellsberg Re-Revisited: An Experiment Disentangling Model Uncertainty and Risk Aversion* CEAR/MRIC Behavioral Insurance Workshop 2016, Munich, Germany

Berger L., Emmerling J., (2016), *Spanning the Inequity Simplex across Time, States and Regions* EAERE annual conference, Zurich, Switzerland

Berger L., Emmerling J., (2015), *Spanning the Inequity Simplex across Time, States and Regions* 8th Annual Meeting of the Integrated Assessment Modeling Consortium (IAMC), Postdam, Germany

Berger L., Emmerling J., (2015), *Spanning the Inequity Simplex across Time, States and Regions* Our Common Future under Climate Change, International Scientific Conference, Paris, France

Berger L., Emmerling J., Tavoni M., (2015), *Managing Catastrophic Climate Risks under Model Uncertainty Aversion* 11th World Congress of the Econometric Society, Montreal, Canada

Berger L., Emmerling J., Tavoni M., (2015), *Managing Catastrophic Climate Risks under Model Uncertainty Aversion* 21st Annual Conference EAERE, Helsinki, Finland

Berger L., Emmerling J., Tavoni M., (2015), *Managing Catastrophic Climate Risks under Model Uncertainty Aversion* 34th edition of the International Energy Workshop (IEW), Abu Dhabi, United Arab Emirates

Berger L., Emmerling J., Tavoni M., (2015), *Model Uncertainty, Climate Change, and Catastrophes* 3rd Annual Conference IAERE, Padova, Italy

Berger L., Emmerling J., Tavoni M., (2014), *Model Uncertainty, Climate Change, and Catastrophes - The impact of ambiguity prudence on prevention* 29th Annual Congress of the European Economic Association - 68th European Meeting of the Econometric Society, Toulouse, France

Berger L., Emmerling J., Tavoni M., (2014), *Model Uncertainty, Climate Change, and Catastrophes - The impact of ambiguity prudence on prevention* 41st Seminar of the European Group of Risk and Insurance Economists (EGRIE), St Gallen, Switzerland

Berger L., Emmerling J., Tavoni M., (2014), *Model Uncertainty, Climate Change, and Catastrophes* 3rd Convention of FEEM and CMCC fellows working on climate change and sustainable development economics, Venice, Italy

Other conference and seminar presentations

International

Berger L., (2024), *Comprehension and use of scientific knowledge by policymakers* CAPABLE - ClimAte Policy AcceptaBILity Economic framework, Barcelone, Spain

Aydogan I., Berger L., (2023), *Experiments on compound sources of uncertainty* Ghent University, Ghent, Belgium

Aydogan I., Theroude V., Berger L., (2022), *More Ambiguous or More Complex? An Investigation of Individual Preferences under Model Uncertainty* Erasmus University Rotterdam, Rotterdam, Netherlands

Berger L., (2022), *Rational Policymaking under Deep Uncertainty* Decisions Under Uncertainty: From Theory to Practice, St. Gallen, Switzerland

Berger L., Aydogan I., Bosetti V., Liu N., (2022), *Three Layers of Uncertainty and the Role of Model Misspecification* Rislab, Rabat, Morocco

Berger L., (2021), *Economic Rationality: Investigating the links between Uncertainty, Complexity and Sophistication* FETS (French Experimental TalkS), online, France

Berger L., (2021), *Rational decision-making under deep uncertainty* 24th International Congress on Insurance: Mathematics and Economics, Online, USA

Berger L., (2021), *Unravelling ambiguity aversion: the effects of complexity and sophistication* Lancaster University Economics – Departmental Seminar, Lancaster, United Kingdom

Berger L., (2021), *Unravelling Ambiguity Aversion* Behavioral seminar, Ghent University, Ghent, Belgium

Berger L., Aydogan I., Bosetti V., Liu N., (2021), *Three Layers of Uncertainty and the Role of Model Misspecification* CER-ETH Seminar, Zurich, Switzerland

Aydogan I., Berger L., Bosetti V., (2020), *Economic Rationality: Investigating the Links between Uncertainty, Complexity and Sophistication* Erasmus University, Rotterdam, Netherlands

Berger L., (2018), *Behavioral Characteristics of a Unique Group of Individuals* ICA, Berlin, Germany

Berger L., Aydogan I., Bosetti V., Liu N., (2018), *Three layers of uncertainty: an experiment* HEC Paris, Paris, France

Berger L., Bosetti V., (2017), *Are Policymakers Ambiguity Averse?* HEC Economics & Decisions Sciences seminar, Paris, France

Berger L., Bosetti V., (2017), *What is behind ambiguity aversion?* EM-Lyon, Lyon, France

Berger L., Bosetti V., (2016), *Ellsberg re-revisited: An experiment disentangling model uncertainty and risk aversion* Bocconi IEFE-FEEM seminar, Milan, Italy

Berger L., Bosetti V., (2016), *Ellsberg re-revisited: An experiment disentangling model uncertainty and risk aversion* Behavioral Economics seminar, Rotterdam, Netherlands

Berger L., Bosetti V., (2016), *What is behind ambiguity aversion? An experiment disentangling model uncertainty and risk aversion* Invited seminar, Lille, France

Berger L., Bosetti V., (2015), *What is behind ambiguity aversion? An experiment disentangling model uncertainty and risk aversion* Workshop Uncertainty and Public Decision, Paris, France

Berger L., Emmerling J., (2015), *Integrated Assessment Modeling beyond Utilitarianism: Dynasties, hedging, risk sharing* Equity and Risk in Integrated Assessment Models, EquiRisk Project, Paris, France

Berger L., Emmerling J., Tavoni M., (2015), *Model Uncertainty, Climate Change, and Catastrophes* Uncertainty and Public Decision, Paris, France

Berger L., (2014), *Optimal Abatement Policy in the Presence of Model Uncertainty and catastrophic events* Uncertainty in climate change modeling and policy, Expert Workshop of the FP7 ADVANCE project, Milan, Italy

National

Berger L., (2024), *Ambiguous Compound Events* Thema, Cergy University and ESSEC, Paris, France

Berger L., (2024), *The Ambiguosness of Compound Prospects* BETA University Lorraine, Nancy, France

Berger L., (2023), *Prise en compte de l'incertitude et impacts économiques des points de bascule du système climatique* Prévisibilité dans les sciences de l'atmosphère, des océans, et du climat, Paris, France

Berger L., Aydogan I., Bosetti V., Liu N., (2022), *Three Layers of Uncertainty and the Role of Model Misspecification* Behavioral Economics Seminars, PSE, Paris, France

Berger L., Aydogan I., Bosetti V., Liu N., (2022), *Three Layers of Uncertainty and the Role of Model Misspecification* Led, Université Paris 8, Paris, France

Berger L., (2021), *Three Layers of Uncertainty* Behavioral Economics Seminar, Center for Environmental Economics, CEE-M., Montpellier, France

Berger L., Aydogan I., Bosetti V., (2020), *Economic Rationality: Investigating the links between uncertainty, complexity, and sophistication* tbd, Montpellier, France

Working papers

Berger L., Aydogan I., Bosetti V., Liu N., (2020), *Three layers of uncertainty and the role of model misspecification*, iRisk

Berger L., Marinacci M., (2017), *Model Uncertainty and Climate Change Economics*, Bocconi University, IGIER WP 616

Grants

2018 INDUCED - Integrating Deep Uncertainty in Climate change moDelling, ANR (Agence Nationale de la Recherche) (France)

2012 Six-month travel and research grant for long term stay in Toulouse School of Economics, Ministry of Education and Scientific Research - Federation Wallonia-Brussels (Belgium)

2010 Doctoral Scholarship, Belgian National Science Research Fund (Belgium)

2008 Doctoral Scholarship, Belgian National Science Research Fund (Belgium)

GRANTS AND HONORS

Award

2019 Finalist of the INFORMS Decision-Analysis Society Publication Award of 2019 (best publication in decision analysis of the year 2017) for the paper "Managing catastrophic climate risks under model uncertainty aversion", INFORMS, USA

2014 Best Paper Presented Award, Fondazine Eni Enrico Mattei, Italy

RESEARCH ACTIVITIES

COMMITTEE CHAIR

Participation in recruitment of professors

Participation in recruitment, IÉSEG School of Management, France