

Curriculum vitae

Stefan Ambec

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FIELDS OF SPECIALIZATION

Environmental Economics, Energy Economics.

CURRENT POSITION

INRAE Researcher Professor, Toulouse School of Economics (since 2007)
Director, TSE Energy and Climate Center (since 2016)

EDUCATION:

Ph.D. in Economics, University of Montreal, Canada (1999)
M. Sc in Econometrics, University of Toulouse, France (1992)
B.Sc. in Economics, University of Toulouse, France (1991)

PREVIOUS POSITIONS

2001-2007: INRA Researcher, University of Grenoble, France (2001-2007)
2000-2001: Postdoc, CSEF, University of Salerno, Italy
1999-2000: Postdoc, GREEN, Laval University Québec, Canada
1996-1997: Economist, (CSN, French National Service), IRD in Dakar, Senegal

VISITING PROFESSOR POSITIONS AND AFFILIATIONS

University of Pennsylvania, Kleinman Center for Energy Policy (April 2024)
University of Gothenburg (2010-2018)
University of Lausanne (Fall 2008, Fall 2007),
CEPR and CESifo research fellow

EDITORIAL ACTIVITIES

Editor-in-Chief, Resource and Energy Economics (2015-2024)
Member of the Editorial Board, Journal of Environmental Economics and Management
Member of the Editorial Council, Journal of the Association of Environmental Economists
Co-Editor, Environmental and Resource Economics (2013-2015)

TEACHING

Energy and Climate Economics, Ph.D. level, Toulouse School of Economics, since 2021
Advanced Environmental Economics, Ph.D. and Master levels, Toulouse School of Economics, since 2018

Environmental Economics, graduate level, Toulouse School of Economics, 2009-2018.
Environmental Policy Instruments, PhD level, University of Gothenburg, 2010, 2012, 2014.
Green Business Strategies, graduate level, Toulouse School of Economics, 2011, 2012.
Advanced in Environmental and Resource Economics, Ph.D. level, Toulouse School of Economics, 2011
Water Economics, graduate level, Toulouse School of Economics, 2010, 2011.
Microeconomics, advanced undergraduate, University of Lausanne (HEC), 2008.
Contract Theory, graduate, University of Lausanne (HEC), 2008.
Game Theory, advanced undergraduate, University of Lausanne (HEC), 2007.
Economics of Organizational Design, graduate, EM Lyon (Lyon Business School), 2006, 2007.
Applied Microeconomics, undergraduate, EM Lyon (Lyon Business School), 2006.

PUBLICATIONS

The economics of carbon leakage mitigation policies (with Federico Esposito and Antonia Pacelli), **Journal of Environmental Economics and Management**, 2024, 175: 102973.

Climate policy with electricity trade (with Yuting Yang) **Resource and Energy Economics**, 2024, 76: 101422.

Environmental policy with green consumerism (with Philippe De Donder), **Journal of Environmental Economics and Management**, 2022, 111: 102584.

Sharing Rules for a Common-Pool Resource in a Lab Experiment (with Benjamin Ouyard, Arnaud Reynaud, Stéphane Cezera, and Murudaiah Shivamurthy) **Social Choice and Welfare**, 2022, 59: 605–635.

The information value of environmental taxes (with Jessica Coria) **Journal of Public Economics**, 2021, 199: 104439.

Real-time electricity pricing to balance green energy intermittency (with C. Crampes) **Energy Economics**, 2021, 94: 105074.

Decarbonizing electricity generation with intermittent sources of energy (with C. Crampes) **Journal of the Association of Environmental and Resource Economists**, 2019, 6: 919-948.

How institutions shape individual motives for efficiency and equity: Evidence from distribution experiments (with A. Garapin, L. Muller, B. Rahali), **Journal of Behavioral and Experimental Economics** 2019, 81: 128-138.

Policy spillovers in the regulation of multiple pollutants (with J. Coria) **Journal of Environmental Economics and Management**, 2018, 87:114-134.

Regulation via the polluter-pays principle (with L. Ehlers) **The Economic Journal**, 2016, 593: 884-906.

Decision-making in organizations: when to delegate and whom to delegate (with M. Poitevin) **Review of Economic Design**, 2016, 20: 115-143

Cooperative decision-making for the provision of a locally undesirable facility, (with Y. Kervinio) **Social Choice and Welfare**, 2016, 46:119-155.

Regulatory instruments to protect the commons: An experimental investigation (with A. Garapin, L. Muller and C. Sebi) **Environmental and Resource Economics**, 2014, 58:219-244.

Water Sharing Agreements Sustainable to Reduced Flows (with A. Dinar and D. McKinney) **Journal of Environmental Economics and Management**, 2013, 66: 639–655.

Prices vs Quantities with Multiple Pollutants (with Jessica Coria) **Journal of Environmental Economics and Management**, 2013, 66(1), 123-140.

The Porter Hypothesis at 20: Can Environmental Regulation Enhance Innovation and Competitiveness? (with M.A. Cohen, S. Elgie and P. Lanoie) **Review of Environmental Economics and Policy**, 2013 7(1), 2-22

Electricity Production with Intermittent Sources of Energy (with Claude Crampes) **Resource and Energy Economics** 2012 34(3), 319-336

Regulation of a Spatial Externality: Refuges versus Tax for Managing Pest Resistance (with M. Desquilbet) **Environmental and Resource Economics**, 2012, 51: 79-104.

Environment policy, innovation and performance: New insights on the Porter hypothesis (with P. Lanoie, J. Laurent-Lucchetti and N. Johnstone) **Journal of Economics and Management Strategy**, 2011, 20(3): 803–841.
FIR-PRI Finance & Sustainability Award 2012 for the best published article.

Fair intergenerational sharing of a natural resource (with H. d’Albis), **Mathematical Social Science** 2010, 59(2): 170-183.

Does it pay to be green? A Systematic Overview (with P. Lanoie), **Academy of Management Perspectives** 2008, 23: 45-62. *Prize of the most cited paper in Academy of Management Perspective in the last decade 2018.*

Sharing a river among satiable agents (with L. Ehlers), **Games and Economic Behavior** 2008, 64:35-50.

Sharing a common resource with concave benefits, **Social Choice and Welfare** 2008, 31: 1-13.

Incentive to reduce crop trait durability (with S. Lemarié and C. Langinier), **American Journal of Agricultural Economics** 2008, 90: 379-391.

Sequential communication with ex post participation constraints, **Journal of Economic Theory** 2007, 137: 733-744.

Roscas as financial agreements to cope with social pressure (with N. Treich), **Journal of Development Economics** 2007, 82: 120-137.

Fees or refuges: which is better for the sustainable management of insects resistance to transgenic Bt corn? (with C. Vacher, D. Bourguet, M. Desquilbet, S. Lemarié and M.H. Hochberg) **Biology Letters**, 2006, 2: 198-202.

Decentralizing hydropower production (with J. Doucet) **Canadian Journal of Economics**, 2003, 36: 587-607.

A theoretical foundation to the Porter hypothesis (with P. Barla), **Economic Letters**, 2002, 75: 355-360.

Sharing a river (with Y. Sprumont), **Journal of Economic Theory**, 2002, 107: 453-462.

WORKING PAPERS

The European Union's Carbon Border Adjustment Mechanism: Challenges and Perspectives
https://www.tse-fr.eu/sites/default/files/TSE/documents/doc/wp/2022/wp_tse_1365.pdf

Environmental regulation informed by biased stakeholders (with Jessica Coria)

Tax and nudge to reduce carbon emissions: Results from an online shopping experiment (with Henrik Andersson, Stéphane Cezera, Aysegul Kanay, Benjamin Ouvrard, Luca Panzone, Sebastian Simon)

Energy transition with contracts for difference (with Claude Crampes and Stefan Lamp)

RESEARCH GRANTS

Agence Nationale de la Recherche, *Trade Green*, 2024-2028 (leader, 217 000 euros)

European Union, Global Excellent in Modeling of Climate and Energy (GEOCEP) 2022-2026
(leader TSE team, <https://www.geocep.cuni.cz>)

European Union, Global Excellent in Modeling of Climate and Energy (GEMCLIM) 2017-2023
(leader TSE team)

The Sloan Foundation: 2018-2019. Energy and Climate Economics Conferences (leader \$50 000)

Agence Nationale de la Recherche, *Political Economy of the Environment* 2013-2015 (leader, 50 000 euros)

European Union, *Economic Modelling for Energy-Climate Policy* (ECOCEP) 2014-2017 (leader TSE team)

STUDENTS

Supervision of PhD students:

Graham MacLean (Toulouse School of Economics, ongoing)

Antonia Pacelli (University of Naples, 2024 now postdoc at TSE)

Alipio Ferreira Da Silva (2022 now at Southern Methodist University)

Aysegul Kanay (2022 co-supervised with Denis Hilton, Department of Psychology, University of Toulouse)

Yuting Yang (Toulouse School of Economics 2020, now at University of New Mexico)

Yann Kervinio (Toulouse School of Economics 2016, now at CIREN)

Carine Sebi (University of Grenoble 2008, now at Grenoble School of Management)

Member of thesis committees:

Clément Leblanc (CIREN 2023)

Pauline Pedehour (University of Nantes 2022)

Charles Pebereau (TSE 2022)

Ling Zhou (TSE 2021)

Roweno Heijmans (Tilburg University 2021)

Behrang Shirizadeh (EHESS Paris 2021)

Anouk Faure (Paris Nanterre University 2020)

Adrien Fabre (Paris School of Economics 2020)

Dinna Kassab (Paris School of Economic 2015)

Sarina Steinman (University of Bern 2015)

Xiao-Bing Zhang (University of Gothenburg 2015)

Nigel Moes (Free University of Amsterdam 2010)

Marianne Lefèvre (University of Montpellier 2011)

Jeremy Laurent-Luchetti (HEC Montreal 2009)

HDR committees:

Nicolas Astier (Paris School of Economics 2024)
Renaud Coulomb (Paris School of Economics, 2022)
Louis-Gaëtan Giraudet (CIRED, 2022)
Hélène Ollivier (Paris School of Economics, 2018)
Guy Meunier (University of Toulouse, 2015)

LEADERSHIP AND MANAGEMENT ACTIVITIES

2016:- Director TSE Energy and Climate Center
2020-2023 Leader of the environmental economics group at TSE
2019-2020: President of the evaluation committee on the EU-Mercosur trade agreement mandated by the French Government
2009-2020: Member of the TSE recruiting committee
2009-2012: Director of the Master in Environmental and Natural Resource Economics in Toulouse

PERSONAL INFORMATIONS

Citizenship: French.

Status: Married, four children.

Date of birth: August 23th, 1970.

Languages: Fluent in English and French, basic Italian and Swedish.