

ALESSANDRO TAVONI - ASSOCIATE PROFESSOR

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Academic Positions

- 2017– Associate Professor, Grantham Research Institute - LSE (from 1 August 2017)
- 2015–17 Assistant Professor, Grantham Research Institute - LSE
- 2013–14 Research Fellow, Grantham Research Institute - LSE
- 2011– Seminar Leader in 'Climate change: science, economics and policy' (MSc) - LSE
- 2008– Associate Researcher, Fondazione Eni Enrico Mattei (FEEM)
- 2011–12 Postdoc, Centre for Climate Change Economics and Policy - LSE
- 2010 Fellow, Centre for European Economic Research (ZEW)
- 2008–09 Visiting Research Collaborator, Princeton University and Autònoma University of Barcelona

Education

- 2010 CÀ FOSCARI UNIVERSITY OF VENICE
Ph.D. in Economics ('Essays on Fairness Heuristics and Environmental Dilemmas'), September 2010
- 2004 CORNELL UNIVERSITY
1st year Ph.D. curriculum in Applied Economics and Management
- 2003 SAN FRANCISCO STATE UNIVERSITY
Masters in Economics, January 2004
- 2001 UNIVERSITÀ DI BOLOGNA
Bachelor degree in Economics, March 2001
- 2000 UNIVERSITY OF CALIFORNIA AT BERKELEY
Exchange Abroad Program

Research Interests

Game Theory; Behavioral Economics; Political Economy; International Environmental Agreements; Coupled Social-Ecological Systems; Trade Networks and Food Security

Current Research Projects

Media coverage, public awareness and climate tweets
Electoral concerns and cooperation in public goods

Research Submissions

- 2017 “Monitoring networks in a commons pool resource dilemma”. *Experimental Economics*, submitted. With G. Shreedhar and C. Marchiori
- 2017 “Cooperation in the climate commons”. *Review of Environmental Economics and Policy*. With S. Carattini and S. Levin
- 2016 “Tipping Points and Loss Aversion in International Environmental Agreements”. *Journal of Public Economic Theory*, under review. With D.Iris
- 2016 “Habitat destruction, regime shifts, and resilience debts in systems with spatial connectivity and large-scale feedbacks”. *Proceedings of the Royal Society B*, under review. With Ratajczak Z. et al.
- 2015 “Delegation and Public Pressure in Threshold Public Goods Game: Theory and Experimental Evidence”. *Journal of Economic Behavior and Organization*, under review. With D. Iris and J. Lee

Research Publications

- 2017 “The Perceived Success of Climate Negotiations”. *Nature Climate Change*, 2017. With A. Dannenberg and S. Zitzelsberger
- 2017 “A Bargaining Experiment on Side Deals among Heterogeneous Countries in Climate Negotiations”. *Climatic Change*, 2017. With G.Gosnell
- 2017 “Domestic politics and the formation of international environmental agreements”. *Journal of Environmental Economics and Management*, 81, 115-131. With S. Dietz and C. Marchiori
- 2017 “Luring others in: Coalition formation games with threshold and spillover effects”. *Oxford Economics Papers*, 69 (2). With M. Heugues and V. Bosetti
- 2017 “When it pays to play: using climate-change insurance to incentivize cooperative mitigation”. *Ecological Economics*, 135. With C. P. Doncaster and J. G. Dyke
- 2017 “Long-term scenarios: Energy pathways in the UK”. *Nature Energy*, 2.
- 2017 “Resilience in the global food system”. *Environmental Research Letters*, 12 (2). With Seekell D. et al.
- 2016 “How green are green economists?” *Economics Bulletin*, 36 (4). With S. Carattini
- 2016 “Reserves and trade jointly determine exposure to food supply shocks”. *Environmental Research Letters*, 11 (9). With P. Marchand et al.
- 2016 “Past and present biophysical redundancy of countries as a buffer to changes in food supply”. *Environmental Research Letters*, 11 (5). With M. Fader et al
- 2016 “Robustness of norm-driven cooperation in the commons” *Proceedings of the Royal Society B*, 283 (1822). With M. Schlueter and S. Levin
- 2015 “Network Economics and the Environment: Insights and Perspectives” *Environmental and Resource Economics*, 65 (1). With S. Currarini, C. Marchiori
- 2015 “On the Provision of Public Goods with Probabilistic and Ambiguous Thresholds” *Environmental and Resource Economics*, 61 (3), 365-383. With A. Dannenberg, et al.

- 2014 “Managing the climate commons at the nexus of ecology, behavior and economics” *Nature Climate Change*, 4, 1057–1063. With S. Levin
- 2014 “Evolutionary escape from the climate dilemma” *Physics of Life Reviews*, 11 (4), 587-588.
- 2014 “Climate engineering reconsidered” *Nature Climate Change*, 4 (7), 527-529. With S. Barrett, *et al*
- 2013 “Game theory: Building up cooperation” *Nature Climate Change*, 3 (9), 782-783
- 2013 “Regime shifts in a social-ecological system” *Theoretical ecology* 6 (3), 359-372. With S.J. Lade, *et al.*
- 2012 “The survival of the conformist: Social pressure and renewable resource management” *Journal of Theoretical Biology* 299. With M.Schlueter and S.Levin
- 2011 “Inequality, communication, and the avoidance of disastrous climate change in a public goods game” *Proceedings of the National Academy of Science* 108,11825–11829. With A.Dannenberg, *et al*

Book Chapters, Blogs and non-refereed Journals

- 2017 “Think locally, act globally” With S. Carattini. *LSE Business Review*. Available at link
- 2016 Chapter 18 in *The Economics of Environmental Policy Behavioral and Political Dimensions*, Edward Elgar Publishers. Edited by T. Sterner and J. Coria. ISBN 9781783473373
- 2016 “Tipping Points and Reference Dependence in Climate Change Games”. With D. Iris. Accepted chapter: *Handbook on the Economics of Climate Change*, Edward Elgar Press.
- 2016 “Collective Action in Dangerous Climate Change Games”, with A. Dannenberg. Chapter in press: *WSPC Reference of Natural Resources and Environmental Policy in the Era of Global Change*, Vol. 4, Experimental Economics.
- 2016 “When enough countries lead by example, they create a tipping point for climate agreements” With D. Iris. *LSE Business Review*. Available at link
- 2016 “How green are economists?” With S. Carattini. *Inogov blog*. Available at link
- 2015 “COP21: Can game theory predict a global deal on climate change?”. *LSE GRI News*. Available at link
- 2015 “Carbon pricing might be the unlikely winner of the Volkswagen scandal”. With S. Carattini. *LSE Politics and Policy*. Available at link
- 2015 “Inequality in Climate Change Games”. Invited article for *Perspectives 2*. Available at link
- 2015 Chapter 43 in *Game Theory and International Environmental Cooperation: Essential Readings*, Edward Elgar Publishers. Edited by M. Finus and A. Caparrós. ISBN 1782545093
- 2015 “Ecology, Economics and the Management of Global Environmental Commons”. *Review of Environment, Energy and Economics*. Available at link
- 2014 “Climate negotiations: identifying key drivers of cooperation”. *Energy for Knowledge* 4. Available at link

- 2013 “Coordinating to protect the global climate: inequality and communication in the lab”, with A. Dannenberg. In *Analyzing Global Environmental Issues*, Routledge Publishers. Edited by A. Rapoport and A. Dinar
- 2012 “Why do we see unilateral action on climate change?” *Vox EU*. With S Dietz, C Marchiori. Available at link
- 2012 “Coordinating to protect the global climate” *Review of Environment, Energy and Economics*. Available at link

Selected Invited Lectures and Media Coverage

- 2016 *Cooperating in the Lab. Lessons from Behavioral Economics and International Relations*. Lecture, University of Reading, London.
- 2016 *Experiments, Game Theory and Common Resources*. Invited lecture at Politecnico di Torino.
- 2015 *Building up Cooperation beyond the Climate Crisis*. Invited lecture at the Greenaccord International Forum, Rieti.
- 2015 *Bargaining in Multilateral Negotiations*. Thematic Session Presentation at the Royal Economic Society conference
- 2015 *Climate Change Cooperation in the Lab*. Lecture, Stirling University, Stirling
- 2014 *Social-Ecological Regime Shift Avoidance via Ostracism*. ATP Public Lecture, Lisbon
- 2014 *The ecology-behaviour-economics nexus*. Eco2 Symposium LSE, London
- 2014 *Luring Others Into Climate Action*. Thematic Session Presentation at the World Congress of Environmental Economists, Istanbul
- 2014 *The provision of public goods: Tipping cooperation*. Istituto Veneto Lecture, Venice
- 2014 *Tipping Climate Cooperation: Theory and Experiments*. FEEM Workshop ‘Climate Change and Public Goods’, Venice
- 2014 *Climate engineering offers little hope of mitigation*. Phys.Org
- 2014 *Climate change and the methane crisis*. Examiner.com
- 2014 *Climate pact may depend on side deals by poor nations*. SciDev.Net
- 2013 *Regime shift modelling*. Stockholm Resilience Centre
- 2013 *México y el cambio climático*. Hispan TV
- 2012 *Public Goods and International Governance*. Invited lecture, Southeast Asia Regional Training Workshop, Taiwan
- 2012 *The impact of domestic lobbying on international environmental policy*. Invited seminar, Norwegian School of Economics, Bergen

Funding and Awards

- 2018-2023 *Economic and Social Research Council (ESRC), CCCEP Transition Phase* – €200,000 allocated to me as Co-PI (out of €1.3 million awarded)

- 2018 *European Research Council (ERC), Consolidator Grant* – Interviewed (awaiting response) – Amount of funding sought €1.8 million as Principal Investigator and sole recipient
- 2018 *Abilitazione Scientifica Nazionale, areas: “13/A1 Economia Politica” and “13/A4 Economia Applicata”, Fascia II. Ministero dell’Istruzione, dell’Universita’ e della Ricerca*
- 2017 *Abilitazione Scientifica Nazionale, areas: “13/A2 Politica Economica” and “13/A3 Scienza delle Finanze”, Fascia II. Ministero dell’Istruzione, dell’Universita’ e della Ricerca*
- 2017–18 *Marshall Institute Grant Scheme - Tile: Peer effects, Rewards, and Image Concerns in Energy Decisions. Received funding for 18 months for field work on peer effects in green energy demand*
- 2013–15 *Enel Foundation* – Principal Investigator and sole recipient of €60,000 (Grant 1-RGI-U885)
- 2011–12 *Postdoctoral Fellowship. LSE*
- 2012 “The survival of the conformist: Social pressure and renewable resource management”. Article evaluated by Faculty of 1000 as top 2% of published articles
- 2009 *Conference Grant Scheme award, Royal Economic Society*
- 2008 *Best poster award, Princeton Research Symposium*
- 2006–09 *Doctoral Fellowship. Italian Ministry of Education*
- 2003 *Honours graduation, SFSU Master’s Program*
- 2000 *EAP Student Exchange Fellowship, UC Berkeley*
- 1997–00 *Scholarships for outstanding academic performance, ENEA (Italian National agency for new technologies, Energy and sustainable economic development)*

Service

Programme Leader, Changing Behaviour Theme, Grantham Research Institute, LSE.

Organiser, Behavioural Group, Grantham Research Institute, LSE.

International Editor: *Journal of Natural Resources Policy Research*

Reviewer: *Climate Policy, Climate Change Economics, Climatic Change, Climatic Change Letters, Current Opinion in Environmental Sustainability, Ecological Economics, Ecology and Society, Economic Inquiry, Economic Journal, Energy Economics, Energy Policy, Environmental and Resource Economics, Environment and Planning C, European Economics Review, Games, International Journal of Game Theory, International Journal of Climate Change Strategies and Management, Journal of Conflict Resolution, Journal of Economic Surveys, Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economists, Journal of Public Economic Theory, Land Economics, Natural Hazards, Natural Resource Modelling, Nature, Nature Climate Change, Nature Energy, Nature Human Behavior, Nature Sustainability, Oxford Economics Papers, Palgrave Communications, Palgrave Communications, Plos Computational Biology, Plos One, Population Ecology, Proceedings of the National Academy of Sciences, Resource and Energy Economics, Review of Economic Studies, Review of International Organizations, Scandinavian Journal of Economics, Sustainability, Science*

Funding applications refereeing: *European Research Council - Advanced Grant; United States-Israel Binational Science Foundation (BSF)*

2017 Scientific Committee: International Conference on ENVIRONMENTAL ECONOMICS: A FOCUS ON NATURAL RESOURCES

2015. Organizer: International Workshop on “Bottom-up evolution of cooperation: linking local and global environmental commons”, *Grantham Research Institute, LSE*

2015 - present. Co-organizer: *Research Seminar Series, Grantham Research Institute, LSE*

2009. Co-organizer: International Workshop on “Fairness and the Commons: Socio-economic Strategies and Resource Dynamics”, *Fondazione Eni Enrico Mattei*

Teaching Experience

- 2017– External Ph.D. co-supervisor, Laura Elsler - Stockholm University
- 2015– Postdoc Line Manager: Greer Gosnell; Teevrat Garg - LSE
- 2014– PhD Examiner: Maria Apergi - LSE (2017); Eleftherios Giovanis - Royal Holloway University (2014)
- 2013– Ph.D. Supervisor: Greer Gosnell (defended); Ganga Shreedhar (3rd year), Leanne Cass (1st year), Daniel Gordon (1st year). Environmental Economics Ph.D. - LSE
- 2012– MSc Dissertation Supervisor: MSc “Environmental Economics and Climate Change” and MSc “Environment and Development” (25 students so far)
- 2012– Research Assistant Manager (5 RAs so far) - LSE
- 2011– Seminar Leader in ‘Climate change: science, economics and policy’ (MSc) - LSE
- 2016 Postdoc Line Manager, Zak Ratajczak (visiting from University of Virginia) - LSE
- 2016 MSc Dissertation Supervisor, Serena del Prete. Visiting student from Sapienza University.
- 2015– Occasional lecturer - University of Reading; Moscow State University; Stirling Management School; African Institute for Mathematical Studies
- 2009–10 Advanced Microeconomics TA (Econ Ph.D) & Microeconomics TA (Econ undergrads), Ca’ Foscari University of Venice

Skills

IT: Mathematica, Stata, Matlab, Qualtrics, zTree, HTML, \LaTeX

Languages: Italian, English, French, Spanish