

ALESSANDRO TAVONI

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Education

- 2010 CÀ FOSCARI UNIVERSITY OF VENICE
Doctor of Philosophy in Economics, 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

Academic Positions

- 2015– Assistant Professorial Research Fellow, Grantham Research Institute - LSE
- 2012–14 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 Postdoctoral Fellow, Grantham Research Institute - LSE
- 2010 Fellow, Centre for European Economic Research (ZEW)
- 2009 Visiting Research Collaborator, Autònoma University of Barcelona
- 2008–09 Visiting Research Collaborator, Princeton University

Research Interests

Game Theory
Experimental Economics
International Environmental Agreements
Coupled Social-Ecological Systems
Trade Networks and Food Security

Current Research Projects

Identifying key drivers of cooperation with surveys and laboratory investigations
 Evolution of cooperation and common pool resource management
 Norms, willingness to pay and climate policy global food system resilience to trade
 Resilience of the global food system to trade
 Insights from behavioural economics to improve fisheries management

Research Submissions

- 2015 “A Bargaining Experiment on Side Deals among Heterogeneous Countries in Climate Negotiations”. *Nature Climate Change*, under review. With G.Gosnell
- 2015 “Delegation and Public Pressure in Threshold Public Goods Game: Theory and Experimental Evidence”. *Review of Economic Studies*, under review. With D. Iris and J. Lee
- 2015 “When it pays to play: using climate-change insurance to incentivize cooperative mitigation”. *Global Environmental Change*, under review. With C. P. Doncaster and J. G. Dyke
- 2015 “Luring others in: Coalition formation games with threshold and spillover effects”. *Journal of Environmental Economics and Management*, under review. With M. Heugues and V. Bosetti
- 2014 “Domestic politics and the formation of international environmental agreements” *Journal of Environmental Economics and Management*, revised and resubmitted. With S. Dietz and C. Marchiori
- 2014 “Robustness of norm-driven cooperation in the commons” *Proceedings of the Royal Society B*, under review. With M. Schlueter and S. Levin

Research Publications

- 2015 “Network Economics and the Environment: Insights and Perspectives” *Environmental and Resource Economics*. With S. Currarini, C. Marchiori
- 2014 “Managing the climate commons at the ecology-behaviour-economics nexus” *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 “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 “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 and non-refereed Journals

- 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
- 2010 “The wisdom of sustainable communities in the digital era: the case of efficient energy management”. *Proceedings of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering* 21: 119-129
- 2002 “Developments in the banking sector for Italy’s northern regions”, *Prometeia* (in Italian)
- 2002 “Financial Institutions’ performance forecast”, *Prometeia* (in Italian)

Working Papers

- 2015 “Negotiating the route from Copenhagen to Paris. Elicitation of expert views on international climate policy”. *In preparation*. With A. Dannenberg and M. Kesternich
- 2015 “Luxury discounting versus need discounting: Does our rate of pure time preference depend on what is being discounted?” *In preparation*. With A.de Freitas
- 2015 “Loss aversion in international environmental agreements”. *In preparation*. With D.Iris
- 2015 “Bargaining in multilateral negotiations”. *In preparation*. With G. Gosnell
- 2015 “Staying in tune with the norm: climate policy, conditional cooperation and private provision of public goods”. *In preparation*. With S. Carattini
- 2014 “Extreme weather events and insurance behaviour: a post-Hurricane Sandy quasi-natural experiment”. *In preparation*. With J. Helgeson and S. Dietz
- 2013 “A note on the loss-aversion parameter in the Impulse Balance Equilibrium concept”. *In preparation*. With D. Iris
- 2013 “When fairness bends rationality: incorporating inequity aversion in models of regretful and noisy behaviour”. *In preparation*. With D. Iris

Recent Invited Lectures and Media Coverage

- 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

- 2013–15 'Climate negotiations: identifying key drivers of cooperation with surveys and laboratory investigations'. Principal Investigator and sole recipient of €60.000 research funding for Grant 1-RGI-U885, *Enel Foundation*
- 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

Editor for: *Journal of Natural Resources Policy Research*

Reviewer for: *Climate Policy, Climate Change Economics, Climatic Change, Climatic Change Letters, Ecological Economics, Ecology and Society, Economic Inquiry, Economic Journal, Energy Policy, Environment and Planning C, European Economics Review, Games, International Journal of Game Theory, 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 Climate Change, Plos One, Population Ecology, Proceedings of the National Academy of Sciences, Review of Economic Studies, Review of International Organizations, Scandinavian Journal of Economics*

Teaching Experience

- 2011– Seminar Leader in ‘Climate change: science, economics and policy’ (MSc) - LSE
- 2013– Ph.D. Dissertation Supervisor, Greer Gosnell and Ganga Shreedhar. Environmental Economics Ph.D. - LSE
- 2012– MSc Dissertation Supervisor, MSc “Environmental Economics and Climate Change” and MSc “Environment and Development” (13 students so far)
- 2015 Occasional lecturer - Stirling Management School
- 2014 PhD Examiner, Eleftherios Giovanis - Royal Holloway University
- 2010 Advanced Microeconomics Teaching Assistant (Economics Ph.D. students), Ca’ Foscari University of Venice
- 2009–10 Microeconomics Teaching Assistant (1st year Economics undergraduates), Ca’ Foscari University of Venice
- 2002–03 Head Tutor (Economics undergraduates), San Francisco State University

Skills

IT: Mathematica, Stata, Matlab, Qualtrics, zTree, HTML, L^AT_EX

Languages: Italian, English, French, Spanish