

CES LECTURES

Professor Alessandro Tavoni

University of Bologna

Gives a series of lectures on

Climate Action in Lab, Online and Field Experiments

- 1 Climate Change Cooperation in the Lab
- 2 Cooperation Outside the Lab: Field and Survey Experiments
- 3 Norm Change and Social Tipping Interventions to Scale Climate Action

Dates: Tuesday, 15/07/2025, 10:15 – 11:45

Tuesday, 22/07/2025, 10:15 – 11:45

Wednesday, 23/07/2025, 14:15 – 15:45

Location: CES, Schackstr. 4, 2nd floor, seminar room (214)

Registration for PhD and MQE students: For an official recognition and confirmation of participation of the lecture in your transcript, registration at My ECONPAS the CES Lectures is mandatory. Please adhere to the registration deadline for this course as no registration is possible after this date.
If you cannot register at MyECONPAS please contact the MGSE PhD Office mgse-phd@econ.lmu.de.

Climate Action in Lab, Online and Field Experiments

Professor Alessandro Tavoni, University of Bologna

Lecture 1: Climate Change Cooperation in the Lab

Lecture 2: Cooperation Outside the Lab: Field and Survey Experiments

Lecture 3: Social Norm Change and Social Tipping Interventions to Scale Climate Action

Brief course outline: 6-9 lines

The course will take stock of the recent experimental literature on the provision of environmental public goods. Lecture 1 will give a brief overview of laboratory experiments in economics and adjacent fields that capture environmental externalities at local and global scales. Lecture 2 will focus on field and online survey experiments that assess the role of personal and social norms (descriptive, injunctive and dynamic) and of the behaviour's observability in driving cooperation. Lecture 3 will introduce the concept of social tipping point and give a critical account of the rapidly expanding literature on social norm change and interventions aiming at deliberately triggering tipping to scale up climate action.

Reading list

Lecture 1

Bosetti et al. (2017) Luring others into climate action: coalition formation games with threshold and spillover effects. *Oxford Economic Papers* 69

Casari and Tavoni (2024) Climate clubs in the laboratory. *Journal of Behavioral and Experimental Economics*, Vol 110.

Dannenberg et al (2015) On the Provision of Public Goods with Probabilistic and Ambiguous Thresholds.

Environmental and Resource Economics 61

Milinski et al. (2008): The collective-risk social dilemma and the prevention of simulated dangerous climate change. *Proceedings of the National Academy of Sciences* 105, 7

Tavoni et al. (2011): Inequality, communication, and the avoidance of disastrous climate change in a public goods game. *Proceedings of the National Academy of Sciences* 108, 29

Lecture 2

Andre, et al. (2024): Misperceived Social Norms and Willingness to Act Against Climate Change. *The Review of Economics and Statistics* in press

Andre, et al. (2024) "Globally Representative Evidence on the Actual and Perceived Support for Climate Action." *Nature Climate Change*, February 9, 2024, 1–7.

Dechezleprêtre, et al. (forthcoming) 'Fighting Climate Change: International Attitudes Toward Climate Policies', *American Economic Review*

Gosnell, et al. (2021). Observing the unobservable: A field experiment on early adopters of a climate-friendly behavior Grantham Research Institute on Climate Change and the Environment Working Paper, 365

Lecture 3

Andreoni, et al (2021). Predicting social tipping and norm change in controlled experiments. *Proc. Natl Acad. Sci. USA* 118

Andrighetto and Vriens (2022) 'A research agenda for the study of social norm change', *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, 380(2227), p. 20200411.

Centola, et al (2018). Experimental evidence for tipping points in social convention. *Science* 360, 1116–1119.

Pizziol and Tavoni (2024): From niches to norms: the promise of social tipping interventions to scale climate action. *npj Climate Action* 3, 46