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Personal Details

Name: Roweno Johannes Ryan King Heijmans
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Education

2017/21   **Ph.D. Candidate, Economics**, Tilburg University, the Netherlands
2017   **Research Master, Economics**, Tilburg University, the Netherlands
2015   **BSc, Economics**, Tilburg University, the Netherlands

References

Prof. Dr. Eric van Damme
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Prof. Dr. Reyer Gerlagh
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Research

Job Market Paper

"Sequential Global Games"

Abstract: Global games are incomplete information games where players receive private noisy signals about the true game played. In a sequential global game, the set of players is partitioned into subsets. Players within a subset (of the partition) play simultaneously but no two subsets move at the same time. The resulting sequence of stages introduces intricate dynamics not encountered in static global games. We show that a sequential global game with strategic complementarities and binary actions has at least one equilibrium in monotone strategies. When signals are sufficiently precise, the sequential global game has a unique equilibrium satisfying iterated dominance, forward induction, and backward induction, even if the complete information game (given the partition of the player set) has multiple equilibria. Several applications are discussed.

Publications in peer-reviewed journals

- "Climate-conscious consumers and the buy, bank, burn program", with Reyer Gerlagh. *Nature Climate Change, 2019.*

The buy, bank, burn scheme we propose in this paper is being implemented by three NGOs that we know of: ForTomorrow, Compensators, and CAP_2.

- "COVID-19 TESTS THE MARKET STABILITY RESERVE", with Reyer Gerlagh and Knut Einar Rosendahl. *Environmental and Resource Economics, 2020.*

Working Papers

- "AN ENDOGENOUS EMISSION CAP PRODUCES A GREEN PARADOX", with Reyer Gerlagh and Knut Einar Rosendahl. Revise and resubmit at *Economic Policy*

- "REGULATING STOCK EXTERNALITIES", with Reyer Gerlagh. Submitted.

- "EFFICIENT EPIDEMICS: CONTAGION, CONTROL, AND COOPERATION IN A GLOBAL GAME", with Ana Moura. Submitted.

Work in Progress

- "REGULATING GLOBAL EXTERNALITIES", with Reyer Gerlagh

- "ENDOGENOUS EMISSION CAPS ALWAYS PRODUCE A GREEN PARADOX", with Reyer Gerlagh and Knut Einar Rosendahl.

Book Chapters

Gerlagh, R., Heijmans, R.J.R.K., & Mayumi, K. T. (2019). 5 Can the social cost of carbon be calculated? Contemporary Climate Change Debates: A Student Primer, 65.

Policy Reports (in Dutch)

Van Damme, E.E.C., Gerlagh, R., Heijmans, R.J.R.K., & Willems, B.J. (2018). Veilen of vergelijken voor het winnen van windenergie op zee?

Policy report written on request of the Dutch Ministry of Agriculture, Nature and Food Quality regarding the question how the rights to build windmill parks on the North Sea are most efficiently allocated.

Academic talks

Conferences

2020	SURED (Ascona, Switzerland); European Economic Association Annual Meeting (Berlin, Germany); Econometric Society World Congress (Milan, Italy); Conference of the Spanish-Portuguese Association of Resource and Environmental Economics (Lleida, Spain – moved to 2020); European Association of Environmental and Resource Economists Annual Meeting (Berlin, Germany); Koninklijke Vereniging voor Staatshuishoudkunde New Paper Session (Leiden, the Netherlands); Autumn panel meetng on the economics of climate change (Berling, Germany – organized by Economic Policy and CEPR)
2019	European Economic Association Annual Meeting (Manchester, United Kingdom); European Association of Environmental and Resource Economists Annual Meeting (Manchester, UK); CREE Workshop (Statistics Norway, Oslo, Norway); UECE Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal); International Energy Workshop (IEA, Paris, France); Energy & Climate Conference (Toulouse, France)

2018	SURED (Ascona, Switzerland); World Meeting of Environmental and Resource Economists (Gothenburg, Sweden); European Economic Association Annual Meeting (Cologne, Germany); CREE Workshop (Statistics Norway, Osly, Norway); UECE Lisbon Meetings in Game Theory and Applications (Lisbon, Portugal); Nederlandse Economendag/Dutch Economists Day (Amsterdam, the Netherlands)

Seminars

2020	Tilburg University; Nova SBE Health Economics & Management Knowledge Center, Lisbon, Portugal; Universidad del Rosario, Bogota, Colombia
2019	Nederlandse Emissieautoriteit (Dutch emissions authority)
2017	Tilburg University; CPB Netherlands Bureau for Economic Policy Analysis

Awards

2015	Tilburg University Excellence Scholarship
2019	Scholarship from the Spanish-Portuguese Association of Resource and Environmental Economics to present my job market paper at their conference.

Teaching Experience

2019/20	**Teaching Assistant**, Tilburg University, the Netherlands BSc thesis supervision, Grondslagen macro-economie (undergraduate macro, in Dutch), Microeconomics 2: Game Theory (research master).
2018/19	**Teaching Assistant**, Tilburg University, the Netherlands BSc thesis supervision, Grondslagen macro-economie (BSc macro, in Dutch), Economics for Social Sciences (BSc).
2017/18	**Teaching Assistant**, Tilburg University, the Netherlands MSc thesis supervision, Grondslagen macro-economie (BSc macro, in Dutch), Macroeconomics for EOR (BSc).

Employment

2014	**Intern, De Nederlandsche Bank**, Amsterdam

Professional Activities

Refereeing: Resource and Energy Economics, Annals of Economics and Statistics
Conferences: reviewer for the Spring Meeting of Young Economists (24th and 25th edition)
Organizational: Member of the Education Committee, Tilburg University, 2015-2017

Skills

Computer: LaTeX, Matlab, Python (beginner)
Languages: Dutch (native), English (fluent), German (intermediate), Portuguese (beginner).