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PLACEMENT DIRECTORS

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EDUCATION

Ph.D.	Economics, McGill University, expected May 2023
M.A.	Environmental, Resource and Development Economics, University of Winnipeg, 2016
B.Sc.	Resources, Environment and Urban Planning, Hubei Normal University, China, 2014

FIELDS OF SPECIALIZATION

Primary:	Environmental and Resource Economics
Secondary:	Industrial Organization, International Trade and Political Economy

DISSERTATION

Three Essays in Environmental and Resource Economics

Committee: Prof. Hassan Bencheikroun (Chair), Prof. Francesco Amodio, Prof. Laura Lasio

JOB MARKET PAPER

[“Environmental lobbying on international trade in waste: Theory and evidence”](#) (sole-authored)

This paper investigates the role played by environmental lobby groups on international trade in waste, an externality generated by production activities in the global North that can be exported to the South for disposal. A theoretical framework is presented, emphasizing the potential impact of environmental lobbies on environmental and trade policies and how waste trade flows are affected through these policy channels. We show that the politically chosen policies are ambiguous relative to the socially optimal levels, depending on the heterogeneity of environmental preferences and the degree of pollution damages from waste. This in turn leads to ambiguous effects of environmental lobbying on North-to-South waste trade. Bringing theory to empirics using novel data on the bilateral waste trade and the number of environmental NGOs as a proxy for the strength of environmental lobby groups, we exploit two different empirical strategies. The first one is a gravity specification that exploits within-country and cross-country variations. The results show that a 10% increase in the number of environmental NGOs in the North will lower North-to-South waste exports by 3.52%, whereas a similar increase in the South can reduce waste exports by 8.74%. The second one employs a triple difference estimation strategy, which exploits the policy change brought by EU Waste Shipment Regulation (WSR). Evidence shows that environmental lobby groups exert a statistically significant impact on waste exports reduction by EU developed countries. Thus, strengthening environmental NGOs can represent an important strategy in reducing international waste trade.

PUBLICATIONS

Dai, Miao, Hassan Bencheikroun, and Ngo Van Long. "[On the profitability of cross-ownership in Cournot nonrenewable resource oligopolies: Stock size matters](#)." *Journal of Environmental Economics and Management* 111 (2022): 102597.

Bencheikroun, Hassan, Miao Dai, and Ngo Van Long. "[The Impact of Cross-ownership on the Value of a Clean Technology in the Energy Market](#)." *Environmental Modeling & Assessment* (2022): 1-13.

RESEARCH PAPERS IN PROGRESS

“The role of pressure groups on international trade in waste: A gravity approach”

“Common ownership, corporate social responsibility, and climate change”, with Hassan Benchechroun

“Solving Feedback Nash equilibria with heterogenous players: using Markov chain approximation method”

TEACHING EXPERIENCE

Graduate Teaching Assistant, Max Bell School of Public Policy, McGill University

Global Macroeconomic Policy (Winter 2022, Winter 2021, Winter 2020)

Microeconomics for Public Policy (Fall 2021, Fall 2020, Fall 2019)

Teaching Assistant, Department of Economics, McGill University

Natural Resource Economics (Winter 2022), Advanced Economic Theory - Honours (Fall 2021)

Microeconomic Theory (Winter 2021, Winter 2020, Winter 2018)

Political Economy of Trade Policy (Winter 2021, Winter 2019)

Industrial Organization (Fall 2020), Public Sector Economics (Fall 2019, Fall 2018)

Mathematics for Economists (Summer 2019), Economics of the Environment (Fall 2017)

Instructor, Department of Economics, University of Winnipeg

Intermediate Microeconomics (Spring 2017)

RESEARCH AND RELEVANT WORK EXPERIENCE

Research Assistant for Prof. Hassan Benchechroun, McGill University, 2018-2021

Research Assistant for Prof. Amrita Ray Chaudhuri and Soham Bakshi, University of Winnipeg, 2015-2017

Research Assistant for Prof. Melanie O’Gorman and James Townsend, University of Winnipeg, and Public Interest Law Centre, 2016

GRANTS AND AWARDS

2018-2022 STP – Fonds de recherche du Québec Société et culture (FRQSC)

2022 STP – Social Sciences and Humanities Research Council of Canada (SSHRC)

2017-2020 Clifford C F Wong Fellowship- Economics

2019 14th Competition and Regulation European Summer School (CRESSE) Fellowship

2019 International Graduate Mobility Award

2017 Graduate Excellence Award in Economics

2016 Graduate Student of the Highest Distinction

CONFERENCE AND SEMINAR PRESENTATIONS

2022 The Chinese Economists Society (CES), Asia Pacific Trade Seminars (APTS), 8th Canadian PhD and Early Career Researcher Workshop in Environmental and Resource Economics, Canadian Economics Association (CEA), Australasian Trade Workshop (ATW), Montreal Environmental and Natural Resources Economics Workshop, McGill-CIREQ Lunch Seminar

2021 Montreal Environmental and Natural Resources Economics Workshop

2020 Canadian Resource and Environmental Economics Association (CREEA)

PROFESSIONAL SERVICE

Referee for *Resource and Energy Economics*

Discussant for CES, CEA, ATW and CREEA

LANGUAGES

English (Fluent), Chinese (native)

COMPUTATIONAL SKILLS

Matlab, Stata, Mathematica

REFERENCES

Prof. Hassan Benchechroun, McGill University, hassan.benchechroun@mcgill.ca , 514-398-4400

Prof. Francesco Amodio, McGill University, francesco.amodio@mcgill.ca , 514-398-2184

Prof. Laura Lasio, McGill University, laura.lasio@mcgill.ca , 514-398-2953

Prof. Christopher Ragan, McGill University, christopher.ragan@mcgill.ca , 514-398-5997