RICCARDO NORBIATO

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Italian citizen, born in 1995

EDUCATION

Ph.D. in Economics, CREST - École Polytechnique 2021-

Supervisor: Prof. Gregory Corcos

Topic: International Trade, Environmental Economics

Visiting Student Researcher, UC Berkeley ARE Fall 2023

Sponsor: Prof. Thibault Fally

M.A. in Economics, ENSAE - Institut Polytechnique de Paris 2020-2021

M.A. in Economics, Collegio Carlo Alberto 2019-2020

M.Sc. in Economics, Università di Torino 2017-2019

B.Sc. in International Relations, Università di Trieste 2014-2017

RESEARCH / WORK IN PROGRESS

Production Fragmentation, Trade and Emissions

Between 1990 and 2008, emissions embodied in the production of traded goods increased and many developed countries became net importers of pollution emissions. At the same time, these countries experienced a decrease in domestic emissions despite a substantial increase in output. Technological changes leading to lower pollution intensity (e.g., the amount of domestic emissions per unit of output) are usually reported to be the main cause of this emissions reduction. However, the standard decomposition analysis lacks considering the possible role played by production fragmentation and trade in intermediates: while not altering the composition of final goods produced, offshoring intermediates may lead to a decrease in firms' pollution intensity through two channels. On the one hand, lower input prices associated with larger sourcing capabilities may affect firms' abatement investment decisions. On the other, the physical production of several components can be offshored by implying a composition effects related to intermediates. Thus, I develop a quantitative model linking trade with the environment to better understand the economic forces driving these changes. In particular, the model includes heterogeneous firms sourcing intermediates and it accommodates decreasing pollution intensities as a result of both endogenous abatement investment and offshoring decisions. The aim is to analyze the effects of trade and environmental regulation on domestic and global pollution emissions. In future work, I plan to estimate the model and quantitatively evaluate a range of counterfactuals in order to explain the evolution of pollution emissions.

How Additive and Multiplicative Trade Costs Shape Global Value Chains

OTHER PUBLICATIONS

1. Langot F, Malherbet F, Norbiato R, Tripier F., Strength in unity: The economic cost of trade restrictions on Russia, VoxEU column, 22 April 2022.

2. Belletti C. and Norbiato R. (2021) Country chapter Italy, in Spasova S., Ghailani D., Sabato S. and Vanhercke B. (eds.) Social protection of non-standard workers and the self-employed during the pandemic. Country chapters: Belgium, France, Ireland, Italy.

CONFERENCES AND SEMINARS

2023: Trade-Lunch seminar (UC Berkeley), ERE seminar (UC Berkeley), HEC PhD workshop (HEC Paris), Firms and Market seminar (CREST)

2022: Firms and MArket seminar (CREST)

EXPERIENCE

Teaching experience

Environmental Economics and Geography (1st year Master, École polytechnique)	2023-2024
Introduction to Econometrics (1st year Bachelor, École polytechnique)	2023-2024
Advanced Macroeconomics (3rd year Bachelor, École polytechnique)	2022-2023
Advanced Macroeconomics (3rd year Bachelor, École polytechnique)	2021-2022
Introduction to Economics (1st year Bachelor, École polytechnique)	2022-2023
Introduction to Economics (1st year Bachelor, École polytechnique)	2021-2022

Research experience

Research Intern, ENSAE (Prof. Gregory Corcos)	2020-2021

GRANTS AND SPONSORED PROJECTS

Energy4Climate research grant	2023
Full Ph.D. scholarship, École polytechnique	2021-2024
Ph.D. track scholarship, Institut Polytechnique de Paris	2020-2021
Merit-based scholarship, Collegio Carlo Alberto	2019-2020

MISCELLANEOUS

Computer skills: Julia, Matlab, R CRAN, Stata, LaTeX

Languages: Italian (native), English (fluent), French (intermediate)