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Research Interests

PRIMARY	International Trade
SECONDARY	Environmental Economics, Spatial Economics, Industrial Organization

Doctoral Studies

KU Leuven PhD Student in Economics Advisor: Hylke Vandenbussche	2019 - present
Georgetown University Research affiliate Sponsor: Sharat Ganapati	2022 - 2023

Education

Lund University Master in International Economics	2017 - 2018
KU Leuven Master in Economics	2016 - 2017
University of Tübingen Bachelor in International Economics and East Asian Studies	2013 - 2016

Work Experience

S&P Global Market Intelligence Data Analytics Apprentice	2022 - 2023
National Bank of Belgium External Researcher	2020 - 2022
International Trade Center (WTO and UNCTAD) Carlo Schmid Fellow	2018 - 2019

Working papers

Can Unilateral Policy Decarbonize Maritime Trade? (Job Market Paper)

The international shipping sector is a vital part of the global trading system but also a large emitter of carbon dioxide emissions. In absence of a multilateral carbon policy for the shipping sector, different countries are starting to impose unilateral measures to decarbonize maritime trade. This paper investigates the impact of unilateral policy on global carbon emissions and welfare by combining a unique dataset of container ship movements and transport emissions with a structural model in which trade is routed indirectly through an endogenous transport network. I find that different unilateral approaches can lead to vastly different outcomes. Policies which directly affect the cost of transport such as carbon taxes reduce global transport emissions but also suppress global trade. Other policies which target transport technology by restricting port access to clean vessels can severely distort the allocative efficiency of the global fleet and thereby cause an increase in global transport emissions. I quantify the welfare effect of all unilateral approaches through a series of counterfactuals which jointly account for changes in transport emissions, production emissions and trade.

Exporters and Their Networks: The role of domestic network linkages in export entry

Joint with Emmanuel Dhyne and Hylke Vandenbussche

Previously circulated as: "Export Entry and Network Interactions – Evidence from the Belgian Production Network" (NBB Working Paper No. 429)

In this paper, we move beyond individual firm characteristics to explain export participation and investigate whether firms' domestic network linkages can facilitate export entry. Using rich data on buyer-seller linkages in the Belgian production network, we find that network heterogeneity is a key determinant of the extensive margin of trade. Firms linked to experienced exporters via their business transaction network have a key advantage in accessing foreign markets. Network effects however do not scale with network size. Instead they decrease as the network becomes large. We show that this pattern is closely linked to negative assortative matching in the network formation process. This indicates that small instead of large firms benefit most from network effects on the extensive margin of trade.

Work in progress

Monopoly on the High Seas

Joint with Sharat Ganapati, Woan Foong Wong and Oren Ziv

Conglomerates and Trade in the Middle Kingdom

Joint with Jiewei Fang and Honghao Zheng

Fellowships and Awards

PhD Fellowship Fundamental Research, Research Foundation Flanders (FWO)	2020 - 2024
Doctoral Scholarship, KU Leuven	2019 - 2020
Carlo Schmid Fellowship, German Academic Scholarship Foundation and DAAD	2018-2019
Pinxten Award for Best Paper in Economics, KU Leuven	2018

Teaching and University Service

Advanced Topics in International & Development Economics (B-KUL-DoM42B) Master of Advanced Studies in Economics TA for Prof. Hylke Vandenbussche	2019 - 2022
European Economic Policy Seminar (B-KUL-DoN91A) Master of Economic Policy TA for Prof. Hylke Vandenbussche	2019 - present
Master thesis advisor (3-4 students per year)	2019 - present
Exam invigilator	2019 - present
Organizer of the Leuven-Louvain Trade Workshop	2020 - 2022

Professional Service

REFEREE	Journal of the European Economic Association
DISCUSSANT	"China's Manufacturing Pollution, Environmental Regulation and Trade", by Dan Xie at QMUL Economics and Finance Workshop 2022

Presentations (past and scheduled)

2024:

GEP/CEPR Postgraduate Conference (Nottingham), Science Po Trade Lunch (Paris), CESifo Area Conference on Global Economy (Munich), Paris I Trade Lunch

2023:

Georgetown Trade Lunch (DC), Leuven-Louvain Trade Workshop (online), European Trade Study Group (Surrey)

2022:

National Bank of Belgium Internal Seminar (Brussels), RIEF Doctoral Meeting (Paris), EOS Conference (Namur), Spring Meeting of Young Economists (Orleans), Queen Mary University of London Economics and Finance Workshop (London), Workshop on International Economic Networks (Vienna), Georgetown Trade Lunch (DC), Maryland Trade Lunch (DC)

2021:

UCD-LCIS PhD Workshop (Leuven), Leuven-Louvain Trade Workshop (online)

Skills

LANGUAGES	German (native), English (fluent), Chinese (Intermediate), French (basic)
PROGRAMMING	R (advanced), Stata (advanced), Matlab (advanced), L ^A T _E X (advanced), Python (intermediate), SQL (basic)
SOFTWARE	Git, Microsoft Office Suite, Zotero

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