

EDOARDO TOLVA

[edoardotolva.github](https://github.com/edoardotolva)

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RESEARCH INTERESTS

International Trade, Transportation, Environmental Economics, Spatial Economics

EDUCATION

University of Warwick (United Kingdom)

PhD in Economics

2020-2024(*expected*)

MRes in Economics (with merit)

2018-2020

Kiel Institute for the World Economy (Germany)

Advance Study Program in International Economic Policy Research

2017

University of Bologna (Italy)

Msc in Economics (summa cum laude)

2015-2017

University of Firenze (Italy)

B.A. in Economic Development and International Cooperation

2012-2015

JOB MARKET PAPER

One Way or Another: Modes of Transport and International Trade

The transportation sector is the backbone of international trade and has faced multiple disruptions in recent years. I study the substitutability of different transport modes (such as air and ocean shipping) and how mode-specific trade cost shocks affect international trade flows. First, I use the closure of Ukrainian-Russian airspace as an exogenous increase in air transport costs to provide novel estimates of the elasticity of substitution between transport modes. Second, to quantify the importance of this new margin of adjustment in equilibrium, I build a Ricardian model of international trade with multiple transport modes. Higher trade costs on a particular route are endogenously mitigated by a switch to relatively cheaper transport modes, thereby reducing the impact of the shock. I also introduce congestion forces that limit the ability to substitute. Finally, I apply this framework to evaluate the consequences of three distinct transport cost shocks: the closure of Ukrainian-Russian airspace, the closure of the Suez Canal, and a policy aimed at reducing the carbon footprint of ocean shipping, effectively increasing maritime transport costs. I find that transport mode substitution plays a significant role in mitigating welfare losses arising from increased transport costs. However, substitutability also implies potential negative consequences for the carbon footprint of international trade. Relative to a no-substitution scenario, higher maritime transport costs lead to an increase in carbon emissions due to substitution toward more carbon-intensive air transport.

WORK IN PROGRESS

Oligopolies in Trade and Transportation: Implications for Gains from Trade

With E. Cristoforoni, M. Errico, and F. Rodari

Brexit and Goods Trade: A trending topic

With J. Lewis

Sustainable Relationships: deforestation in the cocoa supply chain

With D. Del Prete, and V. Guye

POLICY WORK

COVID-19 has disrupted businesses' ability to prepare for Brexit, but the lack of clarity on the UK-EU relationship is worse (With S. Dhingra and J. De Lyon), CEP Blog 2020

PRESENTATIONS IN CONFERENCES AND WORKSHOPS

- **2024:** RES Easter Training School, 23rd RIEF Doctoral Meeting, EAYE Annual Meeting, 13th European Meeting of the Urban Economics Association, JIE Summer School, Napoli Parthenope, CEP/LSE-Warwick Junior Trade Workshop, European Trade Study Group 2024, SETC, Midwest Trade Conference^{*}, Norwegian School of Economics.
- **2023:** 12th European Meeting of the Urban Economics Association, 2023 Swedish Network for European Studies in Economics and Business conference, Warwick PhD Conference, Queen Mary PhD Conference, European Trade Study Group 2023, Advancing Sustainability of Critical Supply Chains (Kiel IFW), Junior Research Day Autumn London Meeting (King's College and Collège de France).

TEACHING

University of Warwick	2021-2022
Senior teaching assistant	
International Economics (EC312)	
Economics 2 (EC204)	
University of Cambridge	MICHAELMAS TERM 2020-2021
Teaching Assistant for St John's College	
Paper IV International Trade	

OTHER WORK EXPERIENCE

Bank of England	
Academic visitor at the Research Hub division	October 2022-July 2024
PhD intern	July-September 2022
London School of Economics, Centre for Economic Performance (CEP)	September 2020-May 2023
Occasional Research Assistant To Prof. S.Dhingra and Prof. C.Thomas	

ACADEMIC ACTIVITIES

Co-organiser Macro and International workshop at Warwick	2021-2023
Co-organiser X Warwick PhD Conference	2022
Co-organiser IX Warwick PhD Conference	2021
Member of the Graduate Student Staff Liaison Committee (GSSLC)	2020
Course in Trade Policy Analysis with Gravity Models, Prof. Y. Yotov, Kiel IFW	2016

REFEREEING ACTIVITIES

Annals of Tourism Research, Bulletin of Economic Research, Journal of Economic Behavior and Organization

SCHOLARSHIPS

Full departmental scholarship by the University of Warwick	2018-2024
Scholarship Kiel Institute	2019
Merit award by the University of Florence	2015
Merit award by the University of Florence	2013

SKILLS

- Basic: QGIS, PYTHON
- Advanced: MATLAB, STATA, L^AT_EX

LANGUAGES

^{*}forthcoming

Italian (native), *English* (fluent), *Spanish* (conversational)

REFERENCES

Prof. Dennis Novy

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