Daniel Prosi

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RESEARCH INTERESTS

Firm-interactions, Production Networks, Macroeconomics of Growth and Development, Network Econometrics, Causal Inference, Structural Transformation

REFERENCES

Alexander Monge-Naranjo
Vice-President, Fed Atlanta
alexander.monge-naranjo@alumniprofs.eui.eu

Giancarlo Corsetti
Pierre-Werner Professor, EUI
giancarlo.corsetti@eui.eu

Fabrizia Mealli
Head of Department, EUI
fabrizia.mealli@eui.eu

EDUCATION

Ph.D., Economics, European University Institute *2021–present*

MRes, Economics, European University Institute *2021–2022*
M.Sc., Economics, Eberhard-Karls Universität Tübingen *2018–2020*
M.Sc., Economics & Econometrics, University of Nottingham *2018–2020*
B.A., International Relations, TU Dresden *2015–2018*
Erasmus exchange Université de la Réunion *2017*

GRANTS AND AWARDS

STEG Small Research Grant *2023*
Amount: GBP 12,422; Role: PI
GEP CEPR Postgraduate Conference Best Paper Award *2026*
EUI Economics Department Best Second Year Paper Award *2023*
German Academic Exchange Service, PhD scholarship *2021–2026*
Scholarship Studienstiftung des Deutschen Volkes *2018–2020*

CONFERENCES AND PRESENTATIONS

Microeconometrics Working Group (EUI), GEP-CEPR Postgraduate Conference Nottingham, World Trade Dialogue Hamburg, GDE/EDEG Kiel — 2026

ITSG Milan, World Trade Forum Florence, DevEconMeet Florence, Vilfredo Pareto Doctoral Workshop Torino, Kiel-Aarhus Workshop — 2025

STEG Early Career Workshop (online), The Galbino Project — 2024

WORKING PAPERS

FDI, Forward Linkages, and Services Inputs

with Bernard Hoekman, Marco Sanfilippo, and Rohit Ticku
We provide evidence of spillover effects from foreign direct investment (FDI) through forward linkages. Using granular information on the universe of firm-to-firm transactions and inward FDI in Rwanda, we find substantial and persistent effects on value-added, employment and productivity of domestic firms after beginning to source from foreign-owned enterprises. These effects are more pervasive than those associated with selling to foreign-owned firms – the backward linkages emphasised in the literature. Suggestive evidence reveals that foreign-owned firms provide higher-quality intermediate inputs than domestic suppliers, particularly in specialized business and professional services that are difficult to import, and that these inputs complement rather than crowd out domestically sourced inputs. Our identification strategy extends the use of Synthetic Control estimators to (strongly) unbalanced panels without gaps.

Shock Propagation over Production Networks with Endogenous Market Power and the Indirect Effects of Foreign Investment

I study the propagation of firm-level scale shocks over a production network where market-power is endogenous and reflects a firm's position in the supply-chain. A marginal increase of a firm's scale of operation propagates downstream through the availability of cheaper intermediate inputs, upstream through demand creation, and horizontally to competitors by changing the competitive structure of the economy. Firms endogenise their position in the production network to extract both monopoly and monopsony rents. Positive shocks to a firm can exert negative aggregate welfare effects on the economy. Using granular administrative data on the universe of firm-to-firm interactions in Rwanda, I test the empirical relation between network position and market power with an instrumental variable strategy based on a surprising border closure between Rwanda and Uganda in 2019. I then study heterogeneous effects of Foreign Direct Investment in different industries and market positions on the economy of Rwanda. Investment is interpreted as a small shock to a firm's scale of operation, which yields ex-post insights into the market position that foreign-owned firms inhibit in the economy while accounting for both direct and indirect effects. The model also highlights economic sectors that are particularly affected by more efficient inputs, higher local demand, and changed competition.

POLICY PUBLICATIONS & OTHER FIELDS

with Jean-Baptiste Jouffray, John Virdin, and others
Identifying and Closing Gaps in Corporate Reporting of Ocean Impacts (2025) **Nature Sustainability**. Vol. 8, pp. 1371–1380. doi: 10.1038/s41893-025-01631-8.

with Calvin Djiofack, Peace Niyibizi, Bernard Hoekman, Marco Sanfilippo, and Rohit Ticku
Inclusiveness of Foreign Direct Investment in Rwanda (2023) **World Bank Rwanda Economic Update. No. 21**. doi: 10.1596/39975.

Sustainable Ocean Economy Country Diagnostics of Cabo Verde (2022) **OECD Development Perspectives**, No. 25. doi: 10.1787/e3cdc345-en.

Global Plastics Outlook, Chapter 7: International Co-operation to make Plastics Value Chains more Circular (2022) **OECD**. doi: 10.1787/de747aef-en.

TEACHING AND PROFESSIONAL EXPERIENCE

TA Microeconometrics *2023–2024*
PhD-level taught by Fabrizia Mealli and Alessandro Tarozzi EUI

RA Robert Schuman Centre *2022*
Prof. Bernard Hoekman EUI

OECD, External Consultant, part-time *2022–2026*
OECD, Consultant *2021*
Development Cooperation Directorate

RA Chair of International Macroeconomics *2019–2020*
Prof. Gernot Müller Tübingen University

RA Behavioural Economics Group *2019*
Prof. Ulrich Schmidt Kiel Institute

TA Chair of Econometrics *2018*
Undergraduate-level taught by Prof. Bernhard Schipp TU Dresden

TA Statistics *2016–2017*
Undergraduate-level taught by Dr. Jan Rudl TU Dresden

SUMMER SCHOOLS

Studienzentrum Gerzensee Advanced Course *2024*
Welfare Implications of Trade Growth: from Theory to Measurement
taught by Ariel Burstein

Data Research Camp Florence *2024*
Team leader: Laura Forastiere

SIDE Summer School on Network Econometrics *2022*
Oxford Summer School on Networks in Economics *2018*

ACADEMIC SERVICE

Referee: Review of World Economics

SKILLS

Languages: English, German *(native)*, French *(C1)*, Italian *(B2)*
Coding: Julia, R, Stata, LaTeX(proficient); Matlab, Python (literate)