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RESEARCH FIELDS

Macroeconomics, Firm dynamics, Climate change, Computational economics

REFERENCES

Prof. Dr. Alexander Meyer-Gohde
Goethe University Frankfurt, IMFS
Theodor-W.-Adorno Platz 3
60323 Frankfurt am Main
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Prof. Michael Binder, Ph.D.
Goethe University Frankfurt
Theodor-W.-Adorno Platz 3
60323 Frankfurt am Main
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Ulf Söderström, Ph.D.
Head of Research, Research Division
Sveriges Riksbank
SE-103 37 Stockholm
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JOB MARKET PAPER (joint with Philip Schnattinger)

Investing in the Green Transition and Competition from Laggards

We study heterogeneous firms' greening investment decisions and the role of competition between early greening investors and non-investors ("laggards") therein. Empirically we show that firms have a higher propensity to engage in greening investment if they are more productive, less financially constrained and expect positive effects from an economy-wide transformation to climate-neutrality (green transition) on their competitiveness. We incorporate these facts into a dynamic heterogeneous firm model. We show that competition from non-investors keeps aggregate prices and thus idiosyncratic profits low and prevents possible early greening investors from engaging in greening investment. Incorporating expectations about a future green economy with increased competitiveness for early greening investors increases greening investment already today. Furthermore, easing financing constraints by 50% increases the share of greening firms by roughly 20%-points in the early stages of a green transition.

PUBLICATIONS

[Solving Linear DSGE Models with Newton Methods](#) (joint with Alexander Meyer-Gohde), *Economic Modelling* 133, April 2024, 106670.

WORKING PAPERS

[Solving Linear DSGE Models with Structure-Preserving Doubling Methods](#) (joint with Johannes Huber and Alexander Meyer-Gohde), *R&R Macroeconomic Dynamics*.

WORK IN PROGRESS

Firm climate investment, financing constraints and optimal green transition policies

Optimal Monetary Policy and the Green Transition (joint with Francesca Diluiso, Lien Laureys, Boromeus Wanengkirtyo)

EDUCATION

10/2019–08/2025 (expected)	Graduate School of Economics, Finance & Management (GSEFM), Goethe University Frankfurt am Main, Germany Thesis Work, Advisor: Prof. Dr. Alexander Meyer-Gohde
10/2017–09/2019	Graduate School of Economics, Finance & Management (GSEFM), Goethe University Frankfurt am Main, Germany Course Phase
09/2015–09/2016	University of Nottingham, UK M.Sc. Economics and Financial Economics
09/2014–09/2015	London School of Economics and Political Science, UK M.Sc. International Political Economy
10/2010–09/2014	Technical University Dresden, Germany B.A. International Relations

PROFESSIONAL EXPERIENCE

04/2023–current 10/2018–08/2022	Chair of Financial Markets and Macroeconomics, Prof. Dr. Alexander Meyer-Gohde, Goethe University Frankfurt am Main (Research & Teaching Assistant)
04/2023–12/2023 11/2021–08/2022	Chair of Financial Markets and Macroeconomics, Prof. Dr. Alexander Meyer-Gohde, Goethe University Frankfurt am Main (Research Assistant DFG Project „Numerical diagnostics and improvements for the solution of linear dynamic macroeconomic models“)
11/2022–03/2023	Bank of England, London (PhD Intern: E-DSGE Modelling)
09/2022–10/2022	Sveriges Riksbank, Stockholm (PhD Intern: E-DSGE Modelling)
04/2017–08/2017	European Central Bank, Frankfurt am Main (Trainee: Data analysis)

PRESENTATIONS

2025	WIMFEH Conference, Berlin (scheduled); RGS Doctoral Conference, Dortmund; University of Bologna; Tilburg University
2024	EEA-ESEM Conference, Rotterdam; NOeG Annual Meeting, Wien; QCGBF Conference, London (poster); PhD Macromodelling Seminar, Frankfurt
2023	EEA-ESEM Conference, Barcelona; Bonn-Frankfurt-Mannheim PhD Conference, Frankfurt
2022	International Conference on Computing in Economics and Finance, Dallas; Macro Brown Bag Seminar Mainz
2021	Global Economic Policy Group Meeting, FernUniversität Hagen

TEACHING EXPERIENCE

PhD-level	Linear Algebra and Matlab , Pre-Semester Course (Fall 2023) Advanced Macroeconomics , Tutorial (Spring 2023)
Master level	Monetary Theory and Policy , Tutorial (Spring 2023, Spring 2025)
Bachelor level	Business Cycle Theory and Policy , Tutorial (Fall 2023, Fall 2021, Fall 2020) Macroeconomics 2 , Tutorial (Spring 2024, Spring 2022, Fall 2021, Spring 2021, Fall 2020, Spring 2020, Fall 2019, Spring 2019, Fall 2018)
Teaching Certificate	University Teaching Certificate , Interdisciplinary Center for University Teaching and Learning, Goethe University (2023-2025)

AWARDS AND SCHOLARSHIPS

2024	Conference Stipends/Bonus (DAAD Congress Travel Stipend [1000 €]; GRADE Sustain Travel Stipends [800 €/500 €]; Verein für Socialpolitik [300 €])
2023	Conference Stipends/Bonus (Vereinigung von Freunden und Förderern der Goethe-Universität [700 €]; Faculty Economics and Business, Goethe Universität Frankfurt [600 €]; Verein für Socialpolitik [600 €])
2022	Conference Stipends (IAAE travel grant [150\$]; Congress Stipends Faculty Economics and Business, Goethe Universität Frankfurt [1600€/600€])
2017	Full Ph.D. Stipend (Leibniz-Institute SAFE) [12,000 €]
2015	Masters Scholarship tuition fees (University of Nottingham) [£ 6,310]

DEPARTMENTAL + REFEREE SERVICE

Spring-Fall 2023	Founding Organiser PhD Macro Modelling Seminar Frankfurt
Spring-Fall 2023	Founding Organiser PhD Initiative "Interdisciplinary Dialogue and Collaboration on Climate Change"
Fall 2021, Spring 2022	Organisation Macro Brown Bag Seminar Frankfurt
Referee	Annual Meeting of the European Association of Young Economists

OTHER WORK EXPERIENCE

10/2016–01/2017	European Commission, Brussels (Bluebook Trainee, Industry Policy)
09/2013–10/2013	Permanent Representation of Germany at the EU, Brussels (Intern)
01/2013–03/2013	German Council on Foreign Relations (DGAP), Berlin (Intern)
08/2011–09/2011	Centre d'Info sur les Institutions Européennes, Strasbourg (Intern)

SKILLS

Software:	Matlab, Julia, Dynare, Stata, LATEX, MS Office
Languages:	German (native), English (fluent), French (fluent), Spanish (intermediate), Japanese (intermediate), Polish (basic)

Last updated: 12/04/2025