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Citizenship: German, UK Pre-Settled Status

Employment

09/2024 - Lecturer in Economics, Department of Economics, University of Reading
09/2020 - 08/2024: Research Economist, Research Centre, Deutsche Bundesbank
11/2022 - 01/2023: Senior Research Associate, Smith School, University of Oxford
09/2016 - 08/2020: Teaching Assistant, Tilburg University
11/2014 - 08/2016: Teaching Assistant, University of Bonn

Education

Ph.D. in Economics, Tilburg University, The Netherlands, Nov 2020
Visiting Ph.D. Student, University of Wisconsin-Madison, United States, Aug-Oct 2019
Visiting Ph.D. Student, London School of Economics, United Kingdom, Feb-May 2019
MSc. in Environmental Economics, University of Bonn, Germany, 2014
BSc. in Business Economics (Finance), University of Mannheim, Germany, 2009
Undergraduate exchange study, University of Massachusetts-Amherst, United States, 2007

Publications and R&R

Smulders, S. & Zhou, S. Self-fulfilling Prophecies in the Transition to Clean Technology [R&R at **American Economic Journal: Macroeconomics**]
Helmschrott, S., Anand, K., Zhou, S., & Schmidt, T. (2022). The value of data privacy during the COVID-19 pandemic: a new set of survey questions. **Measurement Instruments for the Social Sciences** 4, 10. <https://doi.org/10.1186/s42409-022-00037-y>
Zhou, S., & Smulders, S. (2021). Closing the loop in a circular economy: Saving resources or suffocating innovations? **European Economic Review**, 139. <https://doi.org/10.1016/j.euroecorev.2021.103857>.
Cisneros, E., Zhou, S. L., & Börner, J. (2015). Naming and Shaming for Conservation: Evidence from the Brazilian Amazon. **PLoS ONE**, 10(9): e0136402. <https://doi.org/10.1371/journal.pone.0136402>.

Working Papers

Structural Change and the Climate Risk Premium During the Green Transition [with Rick van der Ploeg], submitted
Carbon Emissions and the Supply of Green Technology: Evidence from Technology-related Job Postings [with Christoph Meinerding and Mengjie Shi]
Anonymity-Driven Demand for Cryptocurrency: Theory and Policy Implications

Work In Progress

Coordination and Delay in the Green Transition [with Kartik Anand and Philipp Koenig]
 A Gradual Then Sudden Green Transition: Financial-technological Tipping Points [with Niko Jaakkola]
 Natural Capital and Increasing Returns in Ecology [with Alex Teytelboym]
 Production Networks and Endogenous (Directional) Substitutability
 Currency Exchange in Competitive Search Equilibrium [with Randall Wright]

Teaching

Teaching assistant for Macroeconomics I, PhD core course, Tilburg University. 2016-2018
 Teaching assistant for Environmental Economics, BSc course, Tilburg University. 2017-2020
 Teaching assistant for Economics 2 for IBA, BSc course, Tilburg University. 2020
 Teaching assistant for Environmental Economics & Policy, MSc course, University of Bonn. 2015-2016
 Second reader for Master's Theses in Economics, Tilburg University. 2017-2018
 Supervision of Bachelor's Theses in Environmental Economics, University of Bonn. 2015-2016

Referee Service

American Economic Review, European Economic Review, Journal of Environmental Economics and Management ($\times 2$), Environmental and Resource Economics, Economic Modelling ($\times 2$)

Conferences, Workshops and Seminars

2023: Deutsche Bundesbank Brown Bag Seminar; Annual Conference of the European Association of Environmental and Resource Economists; Royal Economic Society Annual Conference; Bundesbank Spring Conference; Virtual Seminar of ESCB Research Cluster on Climate Change
 2022: Annual Conference of the European Association of Environmental and Resource Economists; Conference on Sustainable Resource Use and Economic Dynamics; Deutsche Bundesbank Inhouse Workshop for Climate Research; Virtual Seminar of ESCB Research Cluster on Climate Change
 2020: 7th Conference on New Developments in Business Cycle Analysis; European Economic Association Annual Congress; Summer Workshop Money, Payments, Banking and Finance; Conference on Sustainable Resource Use and Economic Dynamics; European Economic Association Annual Congress; Annual Conference of the European Association of Environmental and Resource Economists
 2019: University of Wisconsin-Madison; Summer Workshop on Money, Banking, Payments and Finance at Bank of Canada; Finance Workshop at Toulouse School of Economics; University of Basel; Tilburg University
 2018: Spring Meeting of Young Economists; International Symposium on Environment and Energy Finance Issues; World Congress of Environmental and Resource Economists; Conference on Sustainable Resource Use and Economic Dynamics; Congress of the Spanish-Portuguese Association of Environmental and Resource Economists; Tilburg University
 2017: European Economic Association Annual Congress; China Meeting of the Econometric Society; EAERE-FEEM-VIU European Summer School; Annual Conference of the European Association of Environmental and Resource Economists; Tilburg University

2016: Annual Conference of the European Association of Environmental and Resource Economists; Conference on Sustainable Resource Use and Economic Dynamics; Tilburg University

2015: Association of Environmental and Resource Economists Annual Conference; Association of German-speaking Economists Young Researcher Workshop

Awards

2018: Best PhD Presentation Award, Congress of the Spanish-Portuguese Association of Environmental and Resource Economists

2017: Most Contributing Ph.D. Student at 2017 EAERE-FEEM-VIU European Summer School (joint)

2016: Young Economist Prize for the best presentation by a PhD student, Conference on Sustainable Resource Use and Economic Dynamics

2015: T. W. Schultz Award for the best paper by young professionals, International Conference of Agricultural Economists (with *Elías Cisneros* and *Jan Börner*)

2014: Best Graduate of the Year in Environmental Economics, University of Bonn

Other Courses and Activities

"The Economy as a Complex Production Network: Supply Chain Disruptions and Economic Dynamics", Budapest School for Central Bank Studies, National Bank of Hungary, Jul 2022

"Applied Bayesian Econometrics", Centre for Central Banking Studies, Bank of England, Mar 2022

"Causal Inference Using Microdata", Centre for Central Banking Studies, Bank of England, Sep 2021

"Liquidity: A New Monetarist Perspective", Royal Economic Society Easter Training School, Apr 2019

"Tools for Macroeconomists", London School of Economics, Aug 2018

"Macroeconomics, Growth, and the Environment", EAERE-FEEM-VIU Summer School, Jul 2017

"Economic Growth", Advanced Studies Program, Kiel Institute for the World Economy, Mar 2017

Other Experience

Organizer of Bundesbank Spring Conference, Frankfurt, Germany (2023)

Organizer of Bundesbank Inhouse Climate Workshop, Frankfurt, Germany (since 2021)

Deutsche Telekom AG, Department of Finance, Start up! trainee program, Bonn, Germany, 2010-2013

Skills

Programming

Matlab, Stata, R, Dynare, \LaTeX .

Languages

Mandarin Chinese (native), English (fluent), German (fluent), Spanish (B1)

References

Professor Sjak Smulders

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5000 LE Tilburg, The Netherlands
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Professor Emanuel Moench

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Adickesallee 32-34
60322 Frankfurt am Main, Germany
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Professor Rick van der Ploeg

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Manor Road Building, Manor Road
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