

Joschka Wanner

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Personal

Born November 26th 1989 in Stuttgart, Germany
Citizenship German

Research Interests

International Trade
Globalization and the Environment
Applied Econometrics

Current Positions & Affiliations

since 04/2023 **Assistant Professor**, *Julius-Maximilians-Universität Würzburg (JMU)*,
Quantitative International and Environmental Economics.
since 03/2020 **External Researcher**, *Kiel Institute for the World Economy*.
since 05/2023 **Affiliate**, *CESifo Research Network*.
since 02/2025 **Fellow**, *Bavarian Science Alliance for Peace, Conflict & Security Research* .

Previous Positions

11/2020–03/2023 **Assistant Professor**, *University of Potsdam*, Quantitative Economics.
04/2021–03/2023 **Faculty Member**, *Berlin School of Economics*.
05/2013–03/2020 **Research Assistant**, *University of Bayreuth*.

Education

09/2015–11/2019 **PhD**, *University of Bayreuth*, Economics, “**Gravity in International Trade: Econometric Challenges and Environmental Extensions**” (summa cum laude).
First supervisor: Mario Larch, second supervisor: Jonathan Eaton, examination chairman: Hartmut Egger
02/2019–05/2019 **Visiting Scholar**, *Pennsylvania State University, United States*.
09/2010–07/2017 **Bachelor of Science (Honours)**, *Open University, United Kingdom*,
Mathematics and Statistics (first-class honours).
04/2013–09/2015 **Master of Science**, *University of Bayreuth*, Economics (with distinction).
09/2011–01/2012 **Term abroad**, *University of Nottingham, United Kingdom*.
10/2008–04/2013 **Bachelor of Arts**, *University of Bayreuth*, International Economics and
Development (with distinction).

Refereed Publications

- forthcoming [The Potential of Carbon Border Adjustments to Foster Climate Cooperation](#) (with Timothé Beaufigli and Leonie Wenz), *Journal of the Association of Environmental and Resource Economists*.
- 2025 [Trade and the Environment, Trade Policies and Environmental Policies — How do They Interact?](#) (with Gabriel Felbermayr and Sonja Peterson), *Journal of Economic Surveys*, 39(3), 1148–1184.
- 2024 [Brothers in Arms: The Value of Coalitions in Sanctions Regimes](#) (with Sonali Chowdry, Julian Hinz, and Katrin Kamin), *Economic Policy*, 39(118), 471–512.
- [The Consequences of Non-Participation in the Paris Agreement](#) (with Mario Larch), *European Economic Review*, 163, 104699.
- 2021 [A Tale of \(Almost\) 1001 Coefficients: The Deep and Heterogeneous Effects of the EU-Turkey Customs Union](#) (with Mario Larch and Aiko Schmeißer), *Journal of Common Market Studies*, 59(2), 242–260.
- [Worth the Pain? Firms' Exporting Behaviour to Countries under Sanctions](#) (with Matthieu Crozet, Julian Hinz, and Amrei Stammann), *European Economic Review*, 134, 103683.
- 2019 [Currency Unions and Trade: A PPML Re-assessment with High-Dimensional Fixed Effects](#) (with Mario Larch, Yoto V. Yotov, and Thomas Zylkin), *Oxford Bulletin of Economics and Statistics*, 81(3), pp. 487–510.
- [Review of Thermophysical Property Data of Octadecane for Phase-Change Studies](#) (with Moritz Faden, Stephan Hühlein, Andreas König-Haagen, and Dieter Brüggemann), *Materials*, 12(18), 2974.
- 2018 [Bi- and Unilateral Trade Effects of Joining the Euro](#) (with Mario Larch and Yoto V. Yotov), *Economics Letters*, 171, pp. 230–234.
- [Can Degrowth Overcome the Leakage Problem of Unilateral Climate Policy?](#) (with Mario Larch and Markus Löning), *Ecological Economics*, 152, pp. 118–130.
- 2017 [Carbon Tariffs: An Analysis of the Trade, Welfare and Emission Effects](#) (with Mario Larch), *Journal of International Economics*, 109, pp. 195–213.

Current Working Papers

[New Trade Models, Same Old Emissions?](#) (with Robin Sogalla and Yuta Watabe), CESifo Working Paper No. 11596, invited for revision at the *Journal of the European Economic Association*

[The Carbon Footprint of Global Trade Imbalances](#) (with Hendrik Mahlkow), CESifo Working Paper No. 10729, invited for revision at *The World Economy*.

[Tariffs Hit Differently: The Regional Impact of US tariffs across Europe and the Role of the Single Market](#) (with Gabriel Felbermayr, Julian Hinz, Sebastian Krantz, and Hendrik Mahlkow), Kiel Working Paper 2309, reject & resubmit at the *Journal of Economic Geography*

[The Economic Logic of Policies to Address Import Dependence in Clean Energy Goods](#) (with Michael Jakob, Matthias Kalkuhl, Robert Marschinski, and Michael Mehling), CEEPR WP 2025-17, submitted upon invitation to *WIREs Climate Change*.

[The Geopolitical Externality of Climate Policy](#) (with Timothé Beaufils, Killian Conyngham, Marlene de Vries, Michael Jakob, Matthias Kalkuhl, Philipp Richter, Daniel Spiro, and Lennart Stern), Kiel Working Paper No. 2283, *under review*.

[State Dependence and Unobserved Heterogeneity in the Extensive Margin of Trade](#) (with Julian Hinz and Amrei Stammann, previously called “Persistent Zeros: The Extensive Margin of Trade” Kiel Working Paper No. 2139).

Selected Work in Progress

International Trade, Nominal Wage Rigidities, and the Unemployment Effects of Decarbonization (with Paul Ko, Mario Larch, Yuta Suzuki, and Han Yang).

Multinational Production, Trade, and Carbon Emissions (with Yuta Watabe).

Gravity with Persistence (with Amrei Stammann and Tom Zylkin).

Evading Sanctions (with Lisa Scheckenhofer, Feodora Teti, and David Torun).

Climate Change, International Trade, and Adaptive Capital Accumulation (with Pietro Fasoli, Mario Larch, and Tim Lüdiger).

Solar Radiation Management and Trade (with Pietro Fasoli, Daniel Heyen, Sarah Spycher, and Alessandro Tavoni).

Simple Fixed Effects Estimators for Undirected (Panel) Networks With Applications to International Agreements (with Mario Larch and Amrei Stammann).

Trade Agreements and Informality in Africa (with Julian Hinz, Oliver Krebs, and Hendrik Mahlkow).

Distributional Effects of the European Union Carbon Border Adjustment Mechanism (with Timothé Beaufils, Johannes Gallé, Michael Jakob, Matthias Kalkuhl, and Jan Steckel).

Other Publications

2026 Der CO₂-Grenzausgleichsmechanismus zwischen Klimaschutz und Wettbewerbsfähigkeit (The Carbon Border Adjustment Mechanism between Climate Protection and Competitiveness, with Markus Ludwigs), *Europäisches Wirtschafts- und Steuerrecht*, 2026-2.

[The Effectiveness of EU Export Bans on Military Goods](#) (with Lisa Scheckenhofer, Feodora Teti, and David Torun), *EconPol Policy Brief* 80.

[Die Wirksamkeit von EU-Ausfuhrverboten für Militärgüter](#) (The Effectiveness of EU Export Bans on Military Goods, with Lisa Scheckenhofer, Feodora Teti, and David Torun), *ifo Schnelldienst*, 79(2), 36–41.

- 2025 [Dodging Trade Sanctions? Evidence from Military Goods](#) (with Lisa Scheckenhofer and Feodora Teti), *AEA Papers and Proceedings*, 115.
[The Security Dividend of Climate Policy](#) (with Timothé Beaufigli, Michael Jakob, Matthias Kalkuhl, Philipp Richter, Daniel Spiro, and Lennart Stern), *Kiel Policy Brief* 187.
[EU Climate Policy in a Globalized World](#) (with Philipp Richter), *EconPol Policy Report* 53.
- 2024 [What if? The Effects of a Hard Decoupling from China on the German Economy](#) (with David Baqaee, Julian Hinz, Benjamin Moll, Moritz Schularick, Feodora Teti, and Sihwan Yang), in: Pisani-Ferry, J, B Weder Di Mauro and J Zettelmeyer (eds), *Paris Report 2: Europe's Economic Security*, CEPR Press, Paris & London.
[Coalitions for Sanctions Heighten Costs for Russia but Burden of Implementation Should be Shared Among Member Countries](#) (with Sonali Chowdry, Julian Hinz, and Katrin Kamin), *DIW Weekly Report* 8/2024.
[Die EU muss Handels- und Klimapolitik zusammen denken](#) (The EU has to think trade and climate policy jointly, with Philipp Richter), *ifo Schnelldienst*, 77(1), 7–10.
- 2022 [Structured Literature Review and Modelling Suggestions on the Impact of Trade and Trade Policy on the Environment and the Climate](#) (with Gabriel Felbermayr and Sonja Peterson), *Trade Chief Economist Note (Special External Author Edition)*, Issue 3.
[The Brussels Effect 2.0 — How the EU Sets Global Standards with its Trade Policy](#) (with Elisabeth Christen, Birgit Meyer, Harald Oberhofer, Julian Hinz, and Katrin Kamin), *FIW-Research Report*, 2022-07.
- 2021 [Folgen eines höheren CO₂-Preises in der EU — wer gewinnt, wer verliert?](#) (Consequences of a higher carbon price in the EU — who will win, who will lose?, joint with Hendrik Mahlkow and Thieß Petersen), *Wirtschaftsdienst*, 101(11), 870–877.
[EU-Klimapolitik, Klimaclubs und CO₂-Grenzausgleich](#) (EU Climate Policy, Climate Clubs, and Carbon Border Adjustment, joint with Hendrik Mahlkow, Gabriel Felbermayr and Sonja Peterson), Report on behalf of the Bertelsmann Foundation.
[Der Effekt von klimapolitischen Maßnahmen auf CO₂-Emissionen und CO₂-Fußabdrücke](#) (The Effect of Climate Policy Measures on Carbon Emissions and Carbon Footprints, joint with Sonja Peterson and Gabriel Felbermayr), Report on behalf of the Bertelsmann Foundation.
[CO₂-Bepreisung](#) (Carbon Pricing, joint with Thieß Petersen, Sonja Peterson, and Thomas Rausch), Bertelsmann Foundation Factsheet.

Policy Columns/Blogs

- 2026 [Export bans that weren't really bans: How Russia kept importing military goods](#) (joint with Lisa Scheckenhofer, Feodora Teti, and David Torun), *VoxEU*.
- 2022 [Sanctions coalitions: Stronger together](#) (joint with Sonali Chowdry, Julian Hinz, and Katrin Kamin), *VoxEU*.

Das Pariser Klimaschutzabkommen und seine Wirkung: Wie wichtig ist die Teilnahme einzelner Staaten? (The Paris Agreement and its effect: How important is the participation of individual countries?, joint with Mario Larch), *transforming economies*

Brothers in arms: The value of coalitions in sanctions regimes (joint with Sonali Chowdhry, Julian Hinz, and Katrin Kamin), *BSE Insights*

2021 Internationale Emissions- und Verteilungseffekte eines höheren CO₂-Preises in der EU (International Emission and Distribution Effects of a Higher EU Carbon Price, joint with Hendrik Mahlkow and Thieß Petersen), *Ökonomenstimme*.

Firms' exporting behaviour to countries under sanctions (with Matthieu Crozet, Julian Hinz, and Amrei Stammann), *VoxEU*.

Revisiting the Trade Effects of the EU-Turkey Customs Union (with Mario Larch and Aiko Schmeißer), *JCMS Blog*.

Software

`glmhdfe`: R package for fast estimation of generalized linear models with high-dimensional fixed effects, based on an iterative procedure with separate updating of the fixed effects (joint work with Alexander Hudlet and Julian Hinz).

Conference and Seminar Presentations

2026 Johannes Gutenberg University Mainz

2025 FIW Research Conference “International Economics” (Vienna), Workshop “Internationale Wirtschaftsbeziehungen” (Göttingen), University of Copenhagen, CESifo Area Conference on Global Economy (Munich), European Association of Environmental and Resource Economists (Bergen), Workshop “The Green Shift in the Global Economy: Global Value Chains, Innovation and Policies” (Rome), European Trade Study Group (Milan), Aarhus University, University Paris-Saclay

2024 FIW Research Conference “International Economics” (Vienna), Workshop “Internationale Wirtschaftsbeziehungen” (Göttingen), Bundesbank (Frankfurt), CESifo Area Conference on Global Economy (Munich), Mannheim Conference on Energy and the Environment, Kiel-Göttingen-CEPR Conference “China in the Global Economy” (Berlin), European Association of Environmental and Resource Economists (Leuven), European Trade Study Group (Athens), Verein für Socialpolitik (Berlin), University of Hohenheim, Vienna University of Economics and Business, Research Conference “Africa in the Global Economy – Uncertain Future in Turbulent Times” (Bonn), Aarhus-Kiel Workshop (Sandbjerg)

- 2023 Vienna Institute for International Economic Studies (held online, video available [here](#)), Johannes Gutenberg University Mainz, FIW Research Conference “International Economics” (Vienna), University of Stavanger, ifo Institute (Munich), Technical University of Darmstadt, Baltic Economic Conference (Riga), Global Economic Policy Group Meeting (Nürnberg), INFER Annual Conference/INTECO Workshop on Economic Integration (Valencia), European Trade Study Group (Surrey), Workshop “Climate Change and Global Economy” (Lancaster), University of Freiburg, Workshop “Shaping Globalization” (Mainz)
- 2022 Workshop “Internationale Wirtschaftsbeziehungen” (Göttingen), Schumpeter Seminar (HU Berlin), Workshop “Shaping Globalization” (Mainz), European Association of Environmental and Resource Economists (Rimini), European Trade Study Group (Groningen), Vienna University of Economics and Business, Workshop “Gravity at Sixty” (Vienna)
- 2021 Mercator Research Institute on Global Commons and Climate Change (held online), CESifo Area Conference on Global Economy (held online), Canadian Economic Association (held online), Workshop “Shaping Globalization” (held online), European Meeting of the Econometric Society (held online), German Economic Association (held online), Berlin School of Economics “Opportunity Day”, IX. Annual Conference on Global Economy at the Higher School of Economics (held online)
- 2020 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen), Kiel Institute for the World Economy, European Association of Environmental and Resource Economists (held online), F.R.E.I.T. Empirical Trade Online Seminar (video available [here](#))
- 2019 Brock University, Drexel University, Midwest International Economics Spring Meeting (Bloomington), European Trade Study Group (Bern), University of Freiburg
- 2018 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen), Kiel Centre for Globalization, University of Innsbruck, 2nd "Trade and International Sourcing: The Academic Network (TRISTAN)" Workshop (Bayreuth), World Congress of Environmental and Resource Economists (Gothenburg), European Trade Study Group (Warsaw), FIW Research Conference "International Economics" (Vienna), Aarhus-Kiel Workshop (Sandbjerg)
- 2017 European Trade Study Group (Florence)
- 2016 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen)
- 2015 European Association of Environmental and Resource Economists (Helsinki), European Trade Study Group (Paris), FIW Research Conference "International Economics" (Vienna)
- 2014 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen), GEP Postgraduate Conference (Nottingham), European Economic Association (Toulouse)
- 2013 European Trade Study Group (Birmingham)

Other Invited Talks

- 2026 **Wie gelingt internationale Klimapolitik?** (How can international climate policy be successful?), Kitzingen.
- 2025 **Trade Sanctions Against Russia: Coalitions, Evasion, and Effectiveness**, Winter School on Trade and Security 2025 – Europe in a Multipolar World, Amerikahaus Munich.
- Current trends in international trade and environmental policies**, Konrad-Adenauer-Foundation Academy, Economic Benefits of Decarbonisation (held online).
- Grünes Wachstum in einer globalisierten Welt** (Green Growth in a Globalized World), part of the lecture series *Wissenschaftliche Perspektiven auf Nachhaltigkeit (Scientific Perspectives on Sustainability)*, University of Würzburg.
- 2024 **Europäische Klimapolitik: Wichtiges globales Vorbild oder Tropfen auf den heißen Stein?** (European climate policy: an important global role model or a drop in the ocean?), Student University (grades 8 to 10), Würzburg.
- International Trade and its Impact on the Climate**, part of the German Federal Foreign Office's *2nd Executive Seminar on Economy – Open Fair and Sustainable Trade*, Würzburg.
- Grünes Wachstum in einer globalisierten Welt** (Green Growth in a Globalized World), part of the lecture series *Wissenschaftliche Perspektiven auf Nachhaltigkeit (Scientific Perspectives on Sustainability)*, University of Würzburg.
- Internationale Klimapolitik in einer Globalisierten Welt** (International Climate Policy in a Globalized World), Gewerbliche Schule Schwäbisch Hall.
- Internationale Klimapolitik in einer Globalisierten Welt** (International Climate Policy in a Globalized World), part of the lecture series *Nachhaltigkeit & Globale Verantwortung (Sustainability & Global Responsibility)*, University of Würzburg.
- 2021 **EU's Carbon Pricing: A Start for Decarbonising Trade with Russia?**, Expert Roundtable by the Heinrich-Böll-Foundation (held online).
- 2020 **Nach Trump die Sintflut? Die Auswirkungen des US-Ausstiegs aus dem Pariser Klimaabkommen** (After Trump the Deluge? The Consequences of the US Withdrawal from the Paris Climate Agreement), German-American Institute Tübingen (held online, video available [here](#)).
- 2019 **After Trump the Deluge? The Consequences of the US Withdrawal from the Paris Climate Agreement**, part of the lecture series *Has Donald Trump really disrupted global governance?*, FAU Nürnberg-Erlangen, Germany.

Awards, Grants, and Scholarships

- 2026 Media Award for Outstanding Outreach Activity, Kiel Institute, 5000 € (joint with Julian Hinz and Hendrik Mahlkow).
- since 2024 Grant for the Project **International Environmental Cooperation: Determinants, Interlinkages, and Impacts**, principal investigator, financed by the German Research Foundation (DFG), 165,000€.
- since 2023 Grant for the Kopernikus-Project **Ariadne: Evidence-based Assessment for the Design of the German Energy Transition on the Way to Climate Neutrality**, contributor to sub-project **Quantitative Analysis of the Climate Foreign Policy**, funded by the German Federal Ministry of Education and Research, 150,000€.
- 2022 Young Economist selected for participation in the 7th Lindau Meeting on Economic Sciences.
- 2018 Best Paper Award at the 11th FIW Research Conference "International Economics".
- 2009–2015 Scholarship by the German National Academic Foundation.

Participation in Third-Party Funded Projects

- 2025 Freihandel, anyone? Effekte handelspolitischer Szenarien zwischen der Schweiz und den USA (Free Trade, Anyone? Effects of Trade Policy Scenarios between Switzerland and the USA), one of six authors of the report, funded by the Institute for Swiss Economic Policy.
- 2021–2022 The Brussels Effect 2.0: How the EU sets global standards with its trade policy, one of seven authors of the report, funded by the Austrian Federal Ministry of Digital and Economic Affairs.
- 2021–2022 Economic Cluster Africa Research, subproject on trade perspectives in and with Africa, one of four authors of the report, funded by the German Ministry for Economics and Energy and Ministry of Finance.
- 2021–2022 Structured literature review and modelling suggestions on the impact of trade and trade policy on the environment and the climate, one of three authors of the report, funded by the European Commission.
- 2021 CO₂-Grenzausgleich für nachhaltiges Wirtschaften (Carbon Border Tax Adjustment for a Sustainable Economy), one of four authors of both of the study's two reports, funded by the Bertelsmann Foundation.
- 2013–2015 Gravity with Unemployment: Empirical Analysis of the Effects of International Trade in the Presence of Labor Market Imperfections, research assistant, funded by the German Research Foundation (DFG).

Teaching

University of Würzburg

- 2025-2026 **Empirical Environmental Economics (Seminar)**, undergraduate level, *annually*.
- 2023/24–2025/26 **Globalization and the Environment (Lecture)**, undergraduate level, *annually*.
- International Climate Policy (Seminar)**, graduate level, *annually*.

- 2024 **International Economics (Lecture)**, undergraduate level.
- 2023–2026 **Empirical International Trade (Lecture and Exercise Class)**, graduate level, *annually*.
- [University of Potsdam](#)
- 2021/22–2022/23 **Structural Estimation in International Economics (Lecture and Exercise Class)**, *University of Potsdam & Berlin School of Economics*, graduate & PhD level, *annually*.
- 2020/21–2022/23 **Advanced Quantitative Methods (Lecture and Exercise Class)**, undergraduate level, *annually*.
- 2021–2022 **Introduction to Statistics (Lecture)**, undergraduate level, *annually*.
- Panel Data Econometrics (Lecture and Exercise Class)**, *University of Potsdam & Berlin School of Economics*, graduate & PhD level, *annually*.
- 2020/2021 **International Political Economics (Seminar)**, graduate level.
- [University of Bayreuth](#)
- 2019 **Certificate for Teaching in Higher Education of the Bavarian Universities**, basic level (corresponding to the participation in at least 60 units à 45 minutes in seminars on academic teaching).
- 2019/2020 **Climate Econometrics (Seminar)**, graduate level, together with Mario Larch.
- 2015–2019 **Empirical Labor Economics (Exercise Class)**, graduate level, *annually*.
- 2016/17–2019/20 **Advanced Econometrics (Exercise Class)**, graduate level, *annually*.
- 2016/17–2018/19 **Empirical International Trade (Seminar and Computer Exercise Class)**, graduate level, together with Mario Larch, *annually*.
- 2017–2019 **Introduction to Empirical Methods (Lecture and Exercise Class)**, graduate level.
- 2016 **Introduction to Empirical Methods (Lecture)**, graduate level.
- 2015/2016 **Econometrics of Panel Data and Time Series (Exercise Class)**, undergraduate level, together with Steffen Sirries.
- 2015/2016 **Empirical International Trade (Lecture and Exercise Class)**, graduate level, together with Mario Larch.
- 2015 **Economic Methods and Techniques (Lecture)**, undergraduate level.
- 2013 **Tutorials in Econometrics**, undergraduate level.

Refereeing

Agricultural and Food Economics, American Economic Review, American Journal of Agricultural Economics, Applied Economics Letters, Annual Congress of the German Economic Association (Verein für Socialpolitik) (2x), Applied Economics, Asian Development Review, Bulletin of Economic Research, Canadian Journal of Economics, Climate Policy, Ecological Economics, Economic Systems, Economics, Economics Bulletin, Economics Letters (2x), Economics Modelling, Empirica (2x), Energy, Energy Economics, Environmental and Resource Economics, European Economic Review (10x), European Journal of Law and Economics, German Research Foundation (DFG), GTAP Conference, International Economics (4x), International Economics and Economic Policy, International Finance, International Trade Journal (2x), Journal of Common Market Studies, Journal of Comparative Economics, Journal of Environmental Economics and Management, Journal of Environmental Management (2x), Journal of Industry, Competition, and Trade, Journal of International Economics, Journal of International Trade and Economic Development, Journal of Public Economics, Journal of Public Economic Theory, Labour Economics, Miscellanea Geographica, Natural Resources Forum, Nature Climate Change, OeNB's Anniversary Fund, One Earth, Open Economies Review, Oxford Bulletin of Economics and Statistics, Review of International Economics (6x), Review of International Organizations (2x), Review of World Economics (11x), SN Business & Economics, Structural Change and Economic Dynamics, World Economy (3x)

Other Activities

- since 2022 Member of the Program Committee of the FIW Research Conference “International Economics”
- 2025 Co-organizer of the Workshop “Economic Security and the Future of the Global Trading System” (held in Kiel)
- 2025 Reviewer for the Academic Association for Security Studies’ Young Talent Award “Goldene Eule”
- 2024 & 2025 Member of the selection committee for the “Leadership for Africa” programme of the German Academic Exchange Service (DAAD)
- 2020–2023 Member of the Study Commission of the University of Potsdam’s Faculty of Economics and Social Sciences
- 2022 Co-organizer of the BSE Climate Macro Workshop
- 2021 & 2022 Member of the Berlin School of Economic’s PhD selection committee
- 2021 Co-organizer of the 7th Potsdam PhD Workshop in Empirical Economics
- 2017–2020 Member of the University of Bayreuth’s Presidential Commission on Teaching and Academic Studies

Languages

- German native
- English fluent
- French good command