

# Joschka Wanner

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## Personal

Born November 26th 1989 in Stuttgart, Germany  
Citizenship German

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## Research Interests

**International Trade**, especially Structural Gravity Models  
**Globalization and the Environment**  
**International Environmental Agreements**  
**Applied Econometrics**

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## Current Positions & Affiliations

since 04/2023 **Assistant Professor of Quantitative International and Environmental Economics**, *Julius-Maximilians-Universität Würzburg (JMU)*.  
since 03/2024 **Fellow**, *Kiel Institute for the World Economy*.  
since 05/2023 **Affiliate**, *CESifo Research Network*.

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## Previous Positions

11/2020–03/2023 **Assistant Professor of Quantitative Economics**, *Univ. of Potsdam*.  
04/2021–03/2023 **Faculty Member**, *Berlin School of Economics*.  
03/2020–02/2024 **External Researcher**, *Kiel Institute for the World Economy*.  
05/2013–03/2020 **Research Assistant**, *University of Bayreuth*.

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## 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).

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## Refereed Publications

- 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.
- [Trade and the Environment, Trade Policies and Environmental Policies — How do They Interact?](#) (with Gabriel Felbermayr and Sonja Peterson), *Journal of Economic Surveys*.
- [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 Höhle, 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.

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## Current Working Papers

- [The Potential of Carbon Border Adjustments to Foster Climate Cooperation](#) (with Timothé Beaufils and Leonie Wenz), CESifo Working Paper, *under review*.
- [New Trade Models, Same Old Emissions?](#) (with Robin Sogalla and Yuta Watabe), Kiel Working Paper No. 2267.
- [The Carbon Footprint of Global Trade Imbalances](#) (with Hendrik Mahlkow), CESifo Working Paper No. 10729., *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).

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## 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).

The Geopolitical Externality of Climate Policy (with Timothé Beaufile, Killian Conyngham, Michael Jakob, Matthias Kalkuhl, Philipp Richter, and Lennart Stern).

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

What Industries are Prone to Carbon Leakage? (with Akari Ono and Yuta Watabe).

The Trade Effects of EU Sanctions Against Russia (with Feodora Teti and Lisa Scheckenhofer).

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## Other Publications

- 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, joint with Philipp Richter), *ifo Schnelldienst*.

- 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 CO<sub>2</sub>-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 CO<sub>2</sub>-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 CO<sub>2</sub>-Emissionen und CO<sub>2</sub>-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.

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## Policy Columns/Blogs

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 Chowdry, 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*.

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## 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).

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## Conference and Seminar Presentations

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)

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)

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## Other Invited Talks

- 07/2024 **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.
- 06/2024 **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.

- 05/2024 **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.
- 03/2024 **Internationale Klimapolitik in einer Globalisierten Welt** (International Climate Policy in a Globalized World), Gewerbliche Schule Schwäbisch Hall.
- 01/2024 **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.
- 11/2021 **EU's Carbon Pricing: A Start for Decarbonising Trade with Russia?**, Expert Roundtable by the Heinrich-Böll-Foundation (held online).
- 04/2020 **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](#)).
- 06/2019 **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.

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## Awards, Grants, and Scholarships

- since 06/2024 Grant for the Project **International Environmental Cooperation: Determinants, Interlinkages, and Impacts**, principal investigator, financed by the German Research Foundation (DFG), 165,000 Euros.
- since 09/2023 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€.
- 08/2022 Young Economist selected for participation in the 7th Lindau Meeting on Economic Sciences.
- 11/2018 Best Paper Award at the 11th FIW Research Conference "International Economics".
- 02/2009–09/2015 Scholarship by the German National Academic Foundation.

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## Participation in Third-Party Funded Projects

- since 11/2021 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.
- 03/2021–10/2022 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.

- 12/2021–04/2022 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.
- 02/2021–06/2021 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.
- 05/2013–11/2015 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).

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## Teaching

### University of Würzburg

- 2024 **International Economics (Lecture)**, undergraduate level.
- 2023/24 **Globalization and the Environment (Lecture)**, undergraduate level.  
**International Climate Policy (Seminar)**, graduate level.
- 2023–2024 **Empirical International Trade (Lecture and Exercise Class)**, graduate level.

### 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.

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## Refereeing

*Agricultural and Food 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, Ecological Economics, Economic Systems, Economics Bulletin, Economics Letters (2x), Economics Modelling, Empirica, Energy, Energy Economics, Environmental and Resource Economics, European Economic Review (8x), 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, Journal of Common Market Studies, Journal of Comparative Economics, 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, Open Economies Review, Oxford Bulletin of Economics and Statistics, Review of International Economics (6x), Review of International Organizations (2x), Review of World Economics (10x), SN Business & Economics, Structural Change and Economic Dynamics, World Economy (2x)*

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## Other Activities

- since 2022 Member of the Program Committee of the FIW Research Conference “International Economics”
- 2024 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

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## Languages

- German native
- English fluent
- French good command