

# Joschka Wanner

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University of Würzburg  
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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**  
**Econometrics**

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## Current Positions & Affiliations

since 04/2023 **Assistant Professor of Quantitative International and Environmental Economics**, *University of Würzburg*.  
since 03/2020 **External Researcher**, *Kiel Institute for the World Economy*.  
since 04/2023 **Research Affiliate**, *CESifo Research Network*.

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## Previous Positions

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

- 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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## Other Publications

- 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.
- [CO<sub>2</sub>-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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## Current Working Papers

- [The Consequences of Unilateral Withdrawals from the Paris Agreement](#) (with Mario Larch), CESifo Working Paper No. 7804, invited for revision at the *European Economic 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).
- [The Impact of Trade and Trade Policy on the Environment and the Climate: A Review](#) (with Gabriel Felbermayr and Sonja Peterson), Kiel Working Paper No. 2233, invited for revision at the *Journal of Economic Surveys*
- [Brothers in Arms: The Value of Coalitions in Sanctions Regimes](#) (with Sonali Chowdry, Julian Hinz, and Katrin Kamin), Kiel Working Paper No. 2234, resubmitted after revision at *Economic Policy*

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## Selected Work in Progress

- The Carbon Footprint of Global Trade Imbalances (with Hendrik Mahlkow).
- Multinational Production, Trade, and Carbon Emissions (with Yuta Watabe).
- Carbon Dioxide Removal and Carbon Leakage (with Friedemann Grunder and Matthias Kalkuhl).
- The Trade Effects of EU Sanctions Against Russia (with Feodora Teti and Lisa Scheckenhofer).
- New Trade Models, Same Old Emissions? (with Robin Sogalla and Yuta Watabe).
- Separating the Wheat from the Chaff: Fast Estimation of GLMs with High-Dimensional Fixed Effects (with Julian Hinz and Alexander Hudlet).

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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

- 2023 ifo Institute (Munich), University of Stavanger, FIW Research Conference “International Economics” (Vienna), Johannes Gutenberg University Mainz, Vienna Institute for International Economic Studies (held online, video available [here](#))
- 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

- 11/2021 **“EU’s Carbon Pricing: A Start for Decarbonising Trade with Russia?”**, Expert Roundtable by the Heinrich-Böll-Foundation (held online).
- 04/2020 **“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 and Scholarships

- 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

2023 **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

*Annual Congress of the German Economic Association (Verein für Socialpolitik)* (2x), *Applied Economics*, *Asian Development Review*, *Canadian Journal of Economics*, *Ecological Economics*, *Economic Systems*, *Economics Bulletin*, *Economics Letters*, *Economics Modelling*, *Empirica*, *Environmental and Resource Economics*, *European Economic Review* (7x), *European Journal of Law and Economics*, *GTAP Conference*, *International Economics* (3x), *International Economics and Economic Policy*, *International Trade Journal*, *Journal of Comparative Economics*, *Journal of Public Economics*, *Journal of Public Economic Theory*, *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* (5x), *Review of International Organizations* (2x), *Review of World Economics* (8x), *Structural Change and Economic Dynamics*, *World Economy* (2x)

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## Other Activities

- 2021–2023 University of Potsdam's Center for Economic Policy Analysis' Responsible for Social Media
- 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
  - 2022 Member of the Program Committee of the 15th FIW Research Conference "International Economics"
- 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

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## Computer Skills

- Scientific GAMS, Gretl, R, Scilab, STATA
- Other L<sup>A</sup>T<sub>E</sub>X, Microsoft Office

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## References

**Prof. Dr. Mario Larch**, Chair for Economics VI: Empirical Economics, University of Bayreuth, [mario.larch@uni-bayreuth.de](mailto:mario.larch@uni-bayreuth.de).

**Professor Jonathan Eaton, PhD**, Department of Economics, Pennsylvania State University, [jxe22@psu.edu](mailto:jxe22@psu.edu).

**Professor Yoto V. Yotov, PhD**, LeBow College of Business, Drexel University, [yotov@drexel.edu](mailto:yotov@drexel.edu).