

# Joschka Wanner

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Research Assistant  
Chair of Empirical Economics  
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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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## 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, best student of the year).
- 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, best student of the year).
- 09/2000–06/2008 **High School Diploma (Abitur)**, *Erasmus Widman Gymnasium, Schwäbisch Hall*, (grade 1.0, best student of the year).

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## Publications

- forthcoming A Tale of (Almost) 1001 Coefficients: Deep and Heterogeneous Effects of the EU-Turkey Customs Union (with Mario Larch and Aiko Schmeißer), *Journal of Common Market Studies*.
- 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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## Papers Under Review

Worth the Pain? Firms' Exporting Behaviour to Countries under Sanctions (with Matthieu Crozet, Julian Hinz, and Amrei Stammann), invited for revision at the *European Economic Review*.

The Consequences of Unilateral Withdrawals from the Paris Agreement (with Mario Larch), CESifo Working Paper No. 7804.

Persistent Zeros: The Extensive Margin of Trade (with Julian Hinz and Amrei Stammann), Kiel Working Paper No. 2139.

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## Work in Progress

Trading Less, but Greener? The Effects of Environmental Provisions in Free Trade Agreements (with Miriam Frey and Elisa Rottner).

Separating the Wheat from the Chaff: Fast Estimation of GLMs with High-Dimensional Fixed Effects (with Julian Hinz and Alexander Hudlet).

Heteroskedasticity, Zeros, Incidental Parameters, Weighting, and Model Misspecification: What Drives the Differences in Gravity Estimates? (with Julian Hinz, Mario Larch and Yoto V. Yotov).

The Determinants of International Environmental Cooperation (with Mario Larch).

The Treatment Effect of Regional Trade Agreements (with Steffen Sirries).

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## Software

`glmhdfc`: 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

- 2020 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen)
- 2019 Brock University, Drexel University, Midwest International Economics Spring Meeting (Bloomington), European Trade Study Group (Bern), University of Freiburg

- 2018 Workshop "Internationale Wirtschaftsbeziehungen" (Göttingen), Institute for the World Economy (Kiel), University of Innsbruck, 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

- 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

- 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

- 05/2013–11/2015 Gravity with Unemployment: Empirical Analysis of the Effects of International Trade in the Presence of Labor Market Imperfections, Prof. Dr. Mario Larch, University of Bayreuth, funded by German Research Foundation (DFG).

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### Vocational Experience

- since 05/2013 **Research Assistant**, *Chair of Empirical Economics*, Prof. Dr. Mario Larch, University of Bayreuth.
- 03/2011–03/2014 **Student Assistant**, *Chair of Empirical Economics*, Prof. Dr. Mario Larch, University of Bayreuth.
- 01/2010–04/2010 **Intern**, *Sustainable Europe Research Institute*, Vienna.
- 02/2009–11/2009 **Civilian Servant**, *Red Cross, Emergency Rescue Service*, Bayreuth.

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### Teaching

- 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)**, *University of Bayreuth*, graduate level, together with Mario Larch.
- 2015–2019 **Empirical Labor Economics (Exercise Class)**, *University of Bayreuth*, graduate level, *annual*.
- 2016/17–2019/20 **Advanced Econometrics (Exercise Class)**, *University of Bayreuth*, graduate level, *annual*.
- 2016/17–2018/19 **Empirical International Trade (Seminar and Computer Exercise Class)**, *University of Bayreuth*, graduate level, together with Mario Larch, *annual*.
- 2017–2019 **Introduction to Empirical Methods (Lecture and Exercise Class)**, *University of Bayreuth*, graduate level.
- 2016 **Introduction to Empirical Methods (Lecture)**, *University of Bayreuth*, graduate level.
- 2015/2016 **Econometrics of Panel Data and Time Series (Exercise Class)**, *University of Bayreuth*, undergraduate level, together with Steffen Sirries.
- 2015/2016 **Empirical International Trade (Lecture and Exercise Class)**, *University of Bayreuth*, graduate level, together with Mario Larch.
- 2015 **Economic Methods and Techniques (Lecture)**, *University of Bayreuth*, undergraduate level.
- 2013 **Tutorials in Econometrics**, *University of Bayreuth*, undergraduate level.

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## Ph.D. Courses

- 03/2018 **Dynamics of International Trade**, by *Samuel Kortum*.
- 07/2017 **EAERE FEEM VIU European Summer School in Resource and Environmental Economics on “Macroeconomics, Growth, and the Environment”**, by *Snorre Kverndokk, Pietro Peretto, Aude Pommeret, Armon Rezai, and Sjak Smulders*.
- 04/2016 **Empirical Trade and Regional Economics**, by *Thierry Mayer*.
- 03/2015 **International Trade**, by *Peter Neary*.
- 09/2014 **10th Ruhr Graduate Summer School on “Trade and Climate Policy Analysis with GAMS and MPSGE”**, by *Ed Balistreri, Christoph Böhringer, and Volker Claussen*.
- 03/2014 **Advanced Econometrics**, by *Jeffrey Wooldridge*.

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## Refereeing

*Annual Congress of the German Economic Association (Verein für Socialpolitik), European Economic Review (3x), European Journal of Law and Economics, International Economics (2x), Journal of Public Economic Theory, Natural Resources Forum, Review of International Organizations, Review of World Economics*

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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).