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Born on September 10, 1985 in Kassel (Germany).

Married, two children.

Employment

Since 2015 Assistant Professor (non-tenure-track) of *International Economic Policy*, TU Dresden

2012 - 2015 Research Associate, Department *Energy, Transportation, Environment*, DIW Berlin

Affiliations

Since 2018 CESifo Research Network Affiliate

Since 2018 DIW Research Fellow

Since 2017 Kiel Centre for Globalization (KCG) External Research Fellow

Education

2011 - 2015 PhD in Economics, TU Berlin and DIW Berlin Graduate Center
Thesis: *Trade and Climate Policies. The Role of Market Structure, Firm Behaviour, and the Supply Side of Carbon*

2005 - 2011 Diploma in International Economics, University of Tübingen
Thesis: *Trade, Monopolistic Competition, and the Environment*

2008 - 2009 Environmental Economics, University of Hohenheim

2007 - 2008 Exchange Student, University Jean Moulin III Lyon

Grants, Awards, and Prizes

2018 Invited CESifo Young Affiliate Award Candidate to CESifo Area Conference on Energy & Climate Economics, Munich

2014 Invited to Best Student Paper Award Session at the IAEE conference, New York

2011- 2012 PhD scholarship, DIW Berlin Graduate Center

2011 Best graduate diploma student KPMG-prize, University of Tübingen

2007 - 2008 ERASMUS exchange program scholarship

Research Interests

Trade and the Environment, Climate Policy, International Energy Markets, Market Structure and Firm Behaviour

Publications

Refereed Journal Articles

Coal Taxes as Supply-Side Climate Policy: A Rationale for Major Exporters? (with R. Mendelevitch and F. Jotzo), *Climatic Change* 150(1-2), 43-56, 2018.

CO₂ Emission Intensity and Exporting: Evidence from Firm-Level Data (with A. Schiersch), *European Economic Review* 98, 373-391, 2017.

Shaking Dutch Grounds Won't Shatter the European Gas Market (with F. Holz, H. Brauers and T. Roobeek), *Energy Economics* 64, 520-529, 2017.

The Role of Natural Gas in a Low-Carbon Europe: Infrastructure and Supply Security (with F. Holz and R. Egging), *The Energy Journal* 37, 33-59, 2016.

All Quiet on the Eastern Front? Disruption Scenarios of Russian Natural Gas Supply to Europe (with F. Holz), *Energy Policy* 80, 177-189, 2015.

A Global Perspective on the Future of Natural Gas: Resources, Trade, and Climate Constraints (with F. Holz and R. Egging), *Review of Environmental Economics and Policy* 9(1): 85-106, 2015.

From Boom to Bust? A Critical Look at US Shale Gas Projections, *Economics of Energy and Environmental Policy* 4(1): 131-151, 2015.

Trade and the Environment: The Role of Firm Heterogeneity (with U. Kreickemeier), *Review of International Economics* 22: 209-225, 2014.

Policy Reports

The Paris Climate Agreement: Is It Sufficient to Limit Climate Change? (with H. Brauers), *DIW Roundup* 91, 2016.

Climate Negotiations: What can be Expected from the Climate Summit in Paris? (with H. Brauers), *DIW Roundup* 86, 2015.

The Controversy over the Free-Trade Agreement TTIP (with G. F. Schäffer), *DIW Roundup* 42, 2014.

European Natural Gas Infrastructure: The Role of Gazprom in European Natural Gas Supplies (with F. Holz, H. Engerer, C. Kemfert, and C. von Hirschhausen), *DIW Berlin Politikberatung kompakt* 81, 2014.

European Natural Gas Supply Secure Despite Political Crisis (with H. Engerer, F. Holz, C. von Hirschhausen, and C. Kemfert), *DIW Economic Bulletin* 8, 2014.

Structural Shift in Global Natural Gas Markets: Demand Boom in Asia, Supply Shock in the US (with F. Holz, and C. von Hirschhausen), *DIW Economic Bulletin* 11-12, 2013.

Emissionshandel für den Luftverkehr: internationaler Widerstand gegen den Alleingang der EU (with S. Dröge), *SWP-aktuell* 55, 2012.

Work in Progress

Strategic Environmental Policy and the Mobility of Firms (with M. Runkel and R. C. Schmidt)

Environmental Policy and Firm Selection in the Open Economy (with U. Kreickemeier).

Unilateral Tax Policy in the Open Economy (M. Kohl)

Strategic Environmental Policy in General Equilibrium (with U. Kreickemeier).

Trade Exposure and CO₂ Emission Intensity: Evidence from German Firm-Level Data (with A. Schiersch)

Strategic R&D Investment in a Market with Spillovers (with R. C. Schmidt).

Conference and Workshop Presentations

Conference on Sustainable Resource Use and Economic Dynamics (SURED), 2018
 Economic Geography and International Trade Research Meeting (EGIT), 2013, 2016
 ENERDAY Conference on Energy and Technology, 2012, 2013
 European Association of Environmental and Resource Economists (EAERE) – Annual Conference, 2016
 European Economic Association (EEA) – Annual Congress, 2013
 European Trade Study Group (ETSG) – Annual Conference, 2012, 2014, 2018
 German Economic Association (VfS) – Annual Congress, 2012, 2016
 Göttinger Workshop für Internationale Wirtschaftsbeziehungen, 2016, 2018
 International Association for Energy Economics (IAEE) – International Conference, 2014
 International Association for Energy Economics (IAEE) – European Conference, 2013
 Research Seminar on Environment, Resource and Climate Economics (RSERC) Berlin, 2013, 2014, 2015
 World Congress of Environmental and Resource Economists (WCERE), 2018
 Workshop for Young Environmental and Resource Economists (AURÖ), 2015, 2016

Summer Schools

IfW Kiel Advanced Studies Program 2013: “Firms in International Trade“
 Lecturer: Marc Melitz (Harvard University)

DIW Berlin Masterclass 2013: “Modeling Multiple Leaders and Followers using Equilibrium Problems under Equilibrium Constraints”
 Lecturer: Sauleh Siddiqui (Johns Hopkins University)

ZEW Mannheim Summer Workshop 2012: “Trade and the Environment”
 Lecturers: Brian R. Copeland (University of British Columbia) und M. Scott Taylor (University of Calgary)

TU Berlin und DIW Berlin InfraTrain Fall 2012: “One and Two-Level Energy Market Equilibrium Modeling”
 Lecturer: Steven A. Gabriel (University of Maryland)

Research Visits

University of Tübingen, 2014.

Norwegian University of Science and Technology (NTNU), Trondheim, Norway, 2013.

Stiftung Wissenschaft und Politik (SWP) – Deutsches Institut für Politik und Sicherheit, Berlin, 2012

Refereeing

Economic Inquiry, Economics of Energy & Environmental Policy, Energies, Energy Policy, European Economic Review, Journal of Environmental Economics and Management, Review of Industrial Organization, The Energy Journal, The Journal of International Trade & Economic Development, The Scandinavian Journal of Economics

Teaching

Lectures plus Exercise Classes

Environmental Economics (Master), summer terms 2016, 2017, 2018, TU Dresden.

The Economics of European Integration (Master), winter terms 2015/16, 2016/17, 2017/18, 2018/19, TU Dresden.

Seminars

Topics in International Trade (Master), summer terms 2016, 2017, 2018, TU Dresden.

Tutorials (teaching assistant)

Statistics II: Probability Theory (Bachelor), summer term 2010, University of Tübingen, Prof. M. Biewen

Statistics I: Exploratory Data Analysis (Bachelor), winter term 2009/2010, University of Tübingen, Prof. M. Biewen

Statistics III: Quantitative Methods (Bachelor), winter term 2008/2009, University of Tübingen, Prof. J. Grammig

Professional Affiliations

European Association of Environmental and Resource Economists (EAERE)

German Economic Association