



## CURRICULUM VITAE

### PERSONAL DATA

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Date/Place of Birth: 7. September 1971, Rothenburg ob der Tauber  
Nationality: German  
Marital status: married w Claudia Löschel, children: Tilman (1999), Benno (2001), Ida (2004), Martha (2009)  
Address: Luisenstr. 31, 68723 Schwetzingen, Tel.: ++49 170 - 3821208, andreas@loeschel.eu

### CURRENT POSITIONS

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since 9/2021 Professor of Environmental/Resource Economics and Sustainability, **Ruhr-Universität Bochum**  
since 12/2021 Senior Faculty Member of the **Ruhr Graduate School in Economics (RGS Econ)**  
since 2011 Chairman of the German Government's **Expert Commission to Monitor the Energy Transition**  
since 2017 Head of the Virtual Institut **Smart Energy North Rhine-Westphalia**

### PROFESSIONAL EXPERIENCE

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7/14-8/21 Professor of Economics (W3), esp. Energy & Resource Economics and Director of the Centre of Applied Economic Research Münster (CAWM), **University of Münster**  
11/10-6/14 Professor of Economics (W3), esp. Environmental & Resource Economics, **University of Heidelberg**  
8/07-6/2014 Head of the Research Department "Environmental and Resource Economics, Environmental Management" at **ZEW – Leibniz Centre for European Economic Research**  
10/05–7/07 Scientific Officer, **European Commission**, DG Joint Research Centre, Institute for Prospective Technological Studies (IPTS), Seville, Spain  
12/99–08/05 Senior Researcher (since 2005 with tenure) at **ZEW**

### RESEARCH INTERESTS AND ACADEMIC IMPACT

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Energy economics and policy, climate change economics, international environmental agreements, behavioural economics, computable general equilibrium modelling

**Google Scholar:** 9543 citations, h-Index = 49 (25.7.2023)

**Scopus:** 3489 Zitationen, h-Index = 34, 115 papers (25.7. 2023)

**More than 80 articles in (Social) Sciences Citation Index Journals**, e.g., Canadian Journal of Economics, Ecological Economics, *Economica*, *Economics Letters*, *Energy Research and Social Sciences*, *Energy Economics*, *Environmental and Resource Economics*, *Environmental Research Letters*, *European Economic Review*, *Journal of Environmental Economics and Management*, *Journal of Economic Dynamics and Control*, *Journal of Public Economics*, *Land Economics*, *Nature Climate Change*, *Nature Energy*, *Nature Geoscience* or *Proceedings of the National Academy of Sciences (PNAS)*

**Editorial board memberships:** *Climate Policy*, *Energy and Climate Change*, *Energy Journal*, *Perspektiven der Wirtschaftspolitik*, *Resource and Energy Economics*

**Editor of Special Issues:** *Applied Energy*, *China Economic Review*, *Economica*, *Economics of Energy & Environmental Policy*, *Energy and Buildings*, *Energy Economics*, *Energy Policy*, *Resources, Conservation & Recycling*, *Resource and Energy Economics*

## EDUCATION

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6/2009	Habilitation (Dr. rer. pol. habil.), <b>Oldenburg University</b> , university teaching credential for economics (Habilitation Title: Sustainability Impact Assessment with CGE Models)
2003	Dissertation (Dr. rer. pol.), Department of Economics, <b>University of Mannheim</b> , Germany (Dissertation Title: Economic Impacts of Climate Change Policy, summa cum laude)
9/03–12/03	Studies in the “Program on Negotiation” at <b>Harvard University</b> , <b>Massachusetts Institute of Technology (MIT)</b> and Fletcher School of Diplomacy, <b>Tufts University</b> , Cambridge (Mass.), USA
11/92–10/98	Diploma in Economics (Diplom-Volkswirt), <b>University of Erlangen-Nuremberg</b> , Germany
9/94–5/95	M.A., Economics, <b>Wayne State University</b> , Detroit, USA
8/93–9/93	Studies in Economics, University of California, Los Angeles ( <b>UCLA</b> ), USA

## AFFILIATIONS AND RESEARCH VISITS

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7/21-9/22	Senior Fellow, <b>University of Greifswald</b> and <b>Alfried-Krupp Wissenschaftskolleg (IAS)</b>
since 10/2021	Research Associate, <b>RWI - Leibniz Institute for Economic Research</b>
since 2021	Invited Researcher, <b>J-PAL King Climate Action Initiative, MIT</b>
since 2019	Research Associate, Institute of Economics, <b>University of Barcelona</b>
since 2018	Advisor to <b>Fraunhofer Society</b> , Munich, Germany
since 2017	Visiting Chair Professor, <b>University of International Business and Economics (UIBE)</b> , Beijing (Foreign Scholar, 111 Innovation Centre for Global Value Chains, SAFEA)
since 2016	CESifo Research Network Fellow, <b>CESifo</b> , Munich
since 2015	Advisor to <b>Aurora Energy Research</b> Limited, Oxford, UK
since 2013	Guest Professor, <b>University of International Business and Economics (UIBE)</b> , Beijing
since 2010	Research Associate, CCEP, <b>Australian National University (ANU)</b> , Canberra, Australia
2014-2021	Research Associate, <b>ZEW</b> , Mannheim
2017-2021	Co-Director, <b>Australia-Germany Energy Transition Research Hub</b>
2015-2017	Excellency Professor (High-End Foreign Expert of the State Administration of Foreign Experts Affairs <b>SAFEA</b> , State Council, PR China), P.R. China (Guest Professor since 2013)
6/19-8/19	Visiting Fellow, <b>Australian National University (ANU)</b> , Canberra, Australia
4/17-7/17	Oxford Martin Visiting Fellow, <b>Oxford University</b>
4/13	Senior Visiting Scholar, <b>Tsinghua University</b> , Beijing, China
9/15, 10/11	Visiting Researcher, Crawford School of Economics & Government,
10–11/2010	<b>Australian National University (ANU)</b> , Canberra, Australia
09/2010	Economist Visitors Programme, <b>European Commission</b> (DG Enterprise & Industry)
9/06–8/07	Visiting Professor in Economics, <b>University Pablo de Olavide</b> , Seville, Spain
5/05–7/05	Visiting Scholar, Department of Economics, <b>Stanford University</b> , Stanford, CA, USA
5/2004	Visiting Scholar, Joint Program on the Science and Policy of Global Change,
8–12/2003	<b>Massachusetts Institute of Technology (MIT)</b> , Cambridge (Mass.), USA

## AWARDS AND HONOURS

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since 2016	Elected Member of the <b>National Academy of Science and Engineering</b> (acatech)
2022	<b>German Prize for Economics of the Joachim Herz Stiftung</b> for significant contributions to the further development of economic research (highest endowed research prize in economics in Germany)
2021	<b>Prize for Science Communication</b> “wissen.kommuniziert”, Münster University Society
2021 - 2022	Senior Fellowship, <b>Alfried Krupp Institute of Advanced Studies (IAS)/ Alfried-Krupp Wissenschaftskolleg</b> , Greifswald
2013 - 2020 (continually)	Among the 50 most influential economists in Germany in the <b>Frankfurter Allgemeine Zeitung (F.A.Z.) Ranking of Economists</b>
2019	<b>ACT-ANU Energy Expert-in-Residence</b> , Australian Capital Territory (ACT) and Australian National University (ANU), Canberra
2017	Oxford Martin Visiting Fellowship, <b>University of Oxford</b>
2017	<b>Handelsblatt ranking of German speaking economists</b> Top-100 Economists (current research), Top-100 Economists under 40 (2011, 2010, 2008, 2007)
2010, 2011	Scholarship of the <b>German Academic Exchange Service (DAAD)</b> for research visit at ANU
2005	Scholarship of <b>Fritz Thyssen Foundation</b> for research visit at Stanford University
2004	Award of the <b>Karin Islinger Foundation</b> for doctoral thesis, University of Mannheim
2000	German Student Research Prize (First Prize) of the <b>Körber Foundation</b> for diploma thesis on privatizing old age security
1998–2001	Scholarship of the <b>German Science Foundation (DFG)</b> for doctoral studies at the graduate programme “Environmental and Resource Economics” at University of Heidelberg and University of Mannheim

- 1998 Award for best diploma examination, **Wiso-Fakultätsbund Nuremberg**  
 1995–1998 Scholarship of the **Friedrich Naumann Foundation**

## OTHER ACADEMIC ACTIVITIES

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- since 2023 Member of the Scientific Advisory Board, **Institute for Advanced Studies (HIS)**, Vienna  
 since 2023 Member of the Board of Trustees, **Max Planck Institut für Kohlenforschung**, Mülheim an der Ruhr  
 since 2023 Member of the Scientific Steering Committee “Future Transmission Lab”, **Amprion**  
 since 2022 Member of the Advisory Board, **Consumer Association NRW**  
 since 2021 Member of the Scientific Advisory & Project Board (SAPB), **50Hertz Transmission**  
 since 2021 Member of Advisory Board, **EPICO - Energy and Climate Policy and Innovation Council e.V.**  
 since 2021 Vice Chair of the Academic Committee, International School of Low Carbon Studies, **Shandong University of Finance and Economics**  
 since 2020 Member of Scientific Advisory Board, **Institut for Energy (EWI), University Cologne**  
 since 2019 Member of the Advisory Board, **Agora Energiewende**  
 since 2019 Member of the Scientific Advisory Board, **Deutsches Institut für Wirtschaftsforschung (DIW)**  
 since 2019 Member of the International Advisory Board, **Wuppertal Institut**  
 since 2018 Member of the **German-Japanese Energy Transition Council (GJETC)** supported e.g. by Japan Ministry of Economy, Trade and Industry (METI), German Federal Foreign Office, Federal Ministry for Economic Affairs and Energy, Federal Environment Ministry  
 since 2017 Member of the **Scientific Commission of the State of Lower Saxony**  
 since 2013 Member of the Board of Trustees of the Academy Project “Energy systems of the future”, **German Academies of Sciences** (Leopoldina, Union, acatech)  
 since 2013 Member of the Working Group for Ecological Affairs of the **German Bishops’ Conference**  
 2018-2023 Lead author (Ch 6 Energy Systems) and Autor (Ch 13 National and sub-national policies & institutions), Working group III, 6th Assessment Report, **Intergovernmental Panel on Climate Change (IPCC)**  
 2021 Member of the Working Group “A systemic approach to the energy transition in Europe”, **Science Advice for Policy by European Academies**, informs the Scientific Opinion of the European Commission Group of Chief Scientific Advisors (<https://www.sapea.info/wp-content/uploads/energy-transition-report.pdf>)  
 2020 Member of the Working Group “Energy transition 2030: Europe's path to carbon neutrality”, German National Academy of Sciences **Leopoldina**, **acatech** and the Union of the German Academies  
 2020 Member of the advisory board, “Feasibility study on a German-Australian hydrogen supply chain based on renewable energies (HySupply)”, **acatech** - German Academy of Science and Engineering and the **Federation of German Industries (BDI)**  
 2014-2017 Member of the External Advisory Board of the **DFG Exzellenz Cluster** “Integrated Climate System Analysis and Prediction” (CliSAP) at the Universität Hamburg  
 2014-2016 Lead Author, **Global Environment Outlook (GEO-6)** of the UN Environment Programme (UNEP) (Regional Assessment: Climate and Energy in Europe)  
 2012 Member of the **German delegation** at the **International Maritime Organisation** MEPC 64 meeting in London, UK  
 2010-2014 Lead author, Fifth assessment report, Working group III (Chapter 6 Assessing Transformation Pathways), **Intergovernmental Panel on Climate Change (IPCC)**  
 2007 Member of the **Delegation of the European Commission** at the **UNFCCC Climate Conference** in Bali, Indonesia, Presentation at climate change conferences at Poznan (2008), Barcelona (2009), Copenhagen (2009), Durban (2011), Warsaw (2013), Lima (2014)  
 since 2006 Member of the **Standing Research Committee on Environmental and Resource Economics**, German Economic Association  
 2002-2009 Participation in studies on “Multi-Gas Mitigation and Climate Change” (EMF 21) (2002-2004), “Climate Change Scenarios: U.S. Domestic and International Policy Architectures” (EMF 22) (2004-2009) **Energy Modeling Forum** (EMF), Stanford University

## RESPONSIBILITIES AT THE UNIVERSITY OF MÜNSTER (WWU) AND BOCHUM (RUB)

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- 2022 **Representative for Sustainability, Ruhr Universität Bochum**  
 2022 Board of Directors, **Institute for Mining and Energy Law, Ruhr Universität Bochum**  
 2022 Board of Directors, **Research Department: Closed Carbon Cycle Economy, Ruhr Universität Bochum**  
 2021 Board Member, **Center of Interdisciplinary Sustainability Research (ZIN), WWU**  
 2019-2021 Principal Investigator, “**Excellence Start-up Center.NRW**”, **WWU**, commissioned by Ministry of Economics, Innovation, Digitisation and Energy of the State of North Rhine-Westphalia  
 2018-2021 Member of the **Senate of the University of Münster**

- 2016-2021 **Speaker of the Section Economics**, School of Business and Economics, **University of Münster**
- 2016-2021 Member of the Advisory Board MEET Batterieforschungszentrum (**Münster Electrochemical Energy Technology**) at the University of Münster
- 2016-2021 Director of the Zentralinstitut für Raumplanung (**Central Institute for Spatial Planning**), WWU
- 2019/2020 **Chairman of the selection committee** "Professor of Economics (W3 level) with a focus on microeconomics / industrial organization", WWU
- 2019/2020 **Chairman of the selection committee** "Professor of Economics (W3 level) with a focus on economic cooperation research", WWU
- 2016-2019 **Chairman of the examination board** of the Master's Program in Energy Economics (double degree from the University of Münster and RWTH Aachen at the Haus der Technik in Essen), WWU
- 2015-2019 Academic Head of dual degree **Master Programme "Energy Economics"**, RWTH Aachen/Univ. Münster

#### EXPERT REVIEWS, EVALUATION COMMITTEES AND JURY PARTICIPATION

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- 2020 Member of the Evaluation Committee of the **German Science Council** (Wissenschaftsrat) for the evaluation of the Institute for Advances Sustainability Studies (IASS), Potsdam
- 2019 Scientific Expert, **State Parliament of North Rhine-Westphalia's** committee on Europe and International Affairs, "European Climate Policy: Giving CO<sub>2</sub> a prize"
- 2014 - 2019 Scientific Expert, **German Parliament's** committee on Economics and Energy, annual briefing on "Status of the Energy Transformation"
- 2018 Scientific Expert, **German Governments's** committee on "Growth, Structural Change and Employment" (Coal Exit Commission), briefing on "Impacts of a coal phase out"
- 2017 Scientific Expert, **German Parliament's** committee on Finance, briefing on "Energy and Electricity Tax Reform"
- 2013 Member of the Evaluation Committee of the DFG Priority Program „Climate Engineering“ for the **German Science Foundation** (DFG)
- 2011 Member of the Evaluation Committee of the **German Science Council** (Wissenschaftsrat) for the evaluation of the Wuppertal Institute
- 2008 Scientific Expert, **European Parliament's** committee on Industry, research and energy, briefing on "RES Trading as an Option" for the EU directive on renewable energy
- 2008 Member of the Evaluation Committee of the **Wegener Center for Climate and Global Change**, Graz University
- 2005-2007 Expert reviewer for 4th Assessment Report (AR4), Working Group II (Impacts, Adaptation and Vulnerability) and Working Group III (Mitigation), **IPCC**

#### SELECTED POLICY DOCUMENTS

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- Publication of "What if? The Economic Effects for Germany of a Stop of Energy Imports from Russia (with Rüdiger Bachmann, David Baqaee, Christian Bayer, Moritz Kuhn, Benjamin Moll, Andreas Peichl, Karen Pittel, Moritz Schularick)", March 2022 (positively discussed by Paul Krugman in the New York Times, 15 March 2022)
- Publication of Sixth Assessment Report, Working group III (Chapter 6 Energy Systems), Intergovernmental Panel on Climate Change (IPCC) (lead author), 2022
- Publication of the Working Group "A systemic approach to the energy transition in Europe", Science Advice for Policy by European Academies, informs the Scientific Opinion of the European Commission Group of Chief Scientific Advisors, 2021 (<https://www.sapea.info/wp-content/uploads/energy-transition-report.pdf>)
- Publication of the Working Group "Energy transition 2030: Europe's path to carbon neutrality", German National Academy of Sciences Leopoldina, acatech and the Union of the German Academies, 2020
- Coordination of G20 Insights Policy Brief "Establishing an expert advisory commission to assist the G20's energy transformation processes" ([https://www.g20-insights.org/policy\\_briefs/establishing-expert-advisory-commission-assist-g20s-energy-transformation-processes/](https://www.g20-insights.org/policy_briefs/establishing-expert-advisory-commission-assist-g20s-energy-transformation-processes/)) with authors from German Expert Commission on the Monitoring Process "Energy of the future", UK Committee on Climate Change, Australian Academy of Technology and Engineering, acatech – German National Academy of Science and Engineering, Chinese Academy of Engineering, World Energy Council, France, India, Japan, 2017.
- Publication of the Regional Assessment: Climate and Energy in Europe, Global Environment Outlook (GEO-6) of the UN Environment Programme (UNEP) (Lead Author), 2016
- Publication of the Fifth Assessment Report, Working group III (Chapter 6 Assessing Transformation Pathways), Intergovernmental Panel on Climate Change (IPCC) (Lead author), 2014.
- Issue Note (with Peter Heindl) for the Green Growth and Sustainable Development Forum of the OECD on Energy sector reform and its impact on households", November 2014

Communications from the Commission "Analysis of options to move beyond 20% greenhouse gas emission reductions and assessing the risk of carbon leakage" {COM(2010)260} and the "Background information and analysis" {COM(2010)265 final}; information and analysis provided by me have been extensively used and recognised

Submission of Germany to the "Marine Environmental Protection Committee" (MEPC) of the International Maritime Organisation (IMO) on "Possible uses of revenues generated by an Emissions Trading System" (MEPC 62/5/15) is based on a study directed by me at ZEW

European Parliament's committee on Industry, research and energy, Briefing papers on „Opportunities for renewable energy development in Europe“, briefing on "RES Trading as an Option", IP/A/ITRE/WS/2008-02

Impact Assessment accompanying the „Package of Implementation measures for the EU's objectives on climate change and renewable energy for 2020" of the European Commission {SEC(2008)85/3}; information and analysis provided by me have been extensively used and recognised

Communications from the Commission "Biofuels Progress Report" COM(2006)845 and "Renewable Energy Road Map" COM(2006)848 and the accompanying Impact Assessments {SEC(2006) 1721} {SEC(2006) 1720}; information and analysis provided by me have been extensively used and recognised

Schwetzingen, July 2023