# PROF. DR. ANDREAS LÖSCHEL

# PUBLIKATIONSLISTE

### FORSCHUNGSINTERESSEN UND IMPACT

Energieökonomik und -politik, Umweltökonomik, Ökonomik des Klimawandels, experimentelle Wirtschaftsforschung, Verhaltensökonomik, Simulationsmodelle (insb. rechenbare Gleichgewichtsmodelle)

**Google Scholar**: 7255 citations, h-Index = 41 (26.6.2021)

**Scopus**: 2539 Zitationen, h-Index = 27, 99 Papiere (26.6.2021)

Insgesamt **80 Aufsätze in Zeitschriften des (Social) Sciences Citation Index**, z.B. Canadian Journal of Economics, Ecological Economics, Economica, Economics Letters, 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 oder Proceedings of the National Academy of Sciences (PNAS)

### HERAUSGEBERSCHAFTEN VON ZEITSCHRIFTEN

| | |
|---|---|
| seit 2019 | Mitglied im Editorial Board der Zeitschrift „**Energy and Climate Change**" |
| seit 2019 | Mitglied im Herausgeberbeirat der Zeitschrift „**Perspektiven der Wirtschaftspolitik**" des Vereins für Socialpolitik (VfS) (SCCI) |
| seit 2018 | Ko-Editor der Zeitschrift „**Resource and Energy Economics**" (2019 IF 1.8) |
| seit 2017 | Mitglied im Editorial Board der Zeitschrift „**The Energy Journal**" (2019 IF: 2.5), Zeitschrift der IAEE - International Association for Energy Economics |
| seit 2016 | Mitglied im Editorial Board der Zeitschrift „**Climate Policy**" (2019 IF: 4.0) |
| seit 2013 | Ko-Editor der Zeitschrift „**Economics – e-Journal**" (SCCI) |
| seit 2013 | Mitglied im Herausgeberbeirat der Zeitschrift "**et Energiewirtschaftliche Tagesfragen**" |

Gast-Editor von Special Issues der Zeitschriften **Applied Energy** (2021), **Resources, Conservation & Recycling** (2021), **Energy and Buildings** (2021), **Applied Energy** (2020), **China Economic Review** (2020), **Resource and Energy Economics** (2019), **Energy Economics** (2019), **Economics of Energy & Environmental Policy** (2019), **Energy Economics** (2017), **Energy Economics** (2015), **Energy Policy** (2014), **Economica** (2014), **Energy Policy** (2010)

### ZEHN BESONDERS AUSSAGEKRÄFTIGE AUFSÄTZE IN ZEITSCHRIFTEN

A multi-country meta-analysis on the role of behavioral change in reducing energy consumption and $CO_2$ emissions in residential buildings (mit T. Khanna, G. Baiocchi, M. Callaghan, F. Creutzig, H. Guias, N. Haddaway, L. Hirth, A. Javaid, N. Koch, S. Laukemper, M. Del Mar Zamora und J. Minx), **Nature Energy**, im Erscheinen.

On the role of present bias and biased price beliefs in household energy consumption (mit M. Werthschulte), **Journal of Environmental Economics and Management (JEEM)**, im Erscheinen.

The Impacts of the EU ETS on Efficiency - An Empirical Analyses for German Manufacturing Firms (mit B. Lutz und S. Managi), **Resource and Energy Economics**, 56, 71-95, 2019.

On the Effects of Unilateral Environmental Policy on Offshoring in Multi-Stage Production Processes (mit O. Schenker und S. Koesler), **Canadian Journal of Economics**, 51(4), 2018.

The long-term impact of matching and rebate subsidies when public goods are impure: Field experimental evidence from the carbon offsetting market (mit M. Kesternich und D. Römer), **Journal of Public Economics**, 137, 70-78, 2016.

The Demand for Climate Protection - Empirical Evidence from Germany (mit B. Sturm und C. Vogt), **Economics Letters**, 118(3), 415–418, 2013.

Inequality, communication, and the avoidance of disastrous climate change in a public goods game (mit A. Tavoni, A. Dannenberg und G. Kallis), **Proceedings of the National Academy of Sciences (PNAS)**, 108(29), 11825-11829, 2011.

On the Self-interested Use of Equity in International Climate Negotiations (mit A. Lange, C. Vogt und A. Ziegler), **European Economic Review**, 54(3), 359-375, 2010.

Decomposing Integrated Assessment of Climate Change: Methodology and Sample Application (mit C. Böhringer und T. F. Rutherford), **Journal of Economic Dynamics and Control**, 31(2), 683-702, 2007

Technological Change in Economic Models of Environmental Policy: A Survey, in: **Ecological Economics**, 43(2-3), 105-126, 2002.

1. A multi-country meta-analysis on the role of behavioral change in reducing energy consumption and $CO_2$ emissions in residential buildings (mit T. Khanna, G. Baiocchi, M. Callaghan, F. Creutzig, H. Guias, N. Haddaway, L. Hirth, A. Javaid, N. Koch, S. Laukemper, M. Del Mar Zamora und J. Minx), **Nature Energy**, im Erscheinen.
2. On the role of present bias and biased price beliefs in household energy consumption (mit M. Werthschulte), **Journal of Environmental Economics and Management (JEEM)**, im Erscheinen.
3. The demand for global and local environmental protection – experimental evidence from climate change mitigation in Beijing (mit B. Sturm, J. Pei, W. Ran, W. Buchholz und Z. Zhao), **Land Economics**, 2021, im Erscheinen.
4. Carbon price dynamics in ambitious climate mitigation scenarios: an analysis based on the IAMC 1.5° C Scenario Explorer (mit M Meyer und C Lutz), **Environmental Research Communications**, im Erscheinen.
5. The changing role of global value chains in decoupling economic growth from CO2 emissions in 2000-2014 (mit D. Zhang, H. Wang und P. Zhou), **Energy Economics**, 93, 105053, 2021.
6. Managing momentum in climate negotiations (mit S Carattini), **Environmental Research Letters**, 16 (5), 051001
7. Negotiating Weights for Burden Sharing Rules in International Climate Negotiations: An Empirical Analysis (mit M. Kesternich und A. Ziegler), **Environmental Economics and Policy Studies**, 23(4), 309-331, 2021.
8. The rebound effect representation in climate and energy models (mit G. Colmenares und R. Madlener), **Environmental Research Letters**, 15, 123010, 2020.
9. Emissions trading systems for global low carbon energy and economic transformation – Editorial (mit X. Zhang, J. Lewis, D. Zhang und J. Yang), **Applied Energy**, DOI 10.1016/j.apenergy.2020.115858, 2020.
10. The future of coal in a carbon-constrained climate (mit M. Jakob, C. Steckel, F. Jotzo, B. Sovacool, L. Cornelsen, R. Chandra, O. Edenhofer, C. Holden, T. Nace, N. Robins, J. Suedekum und J. Urpelainen), **Nature Climate Change**, 10, 704–707, 2020.
11. Recent advances in energy demand research in China (mit C. Wei und S. Managi), **China Economic Review**, 63, 1-6, 2020.
12. Low-carbon Transitions: Economics and Policy– Editorial (mit C. de Miguel, M. Filippini, X. Labandeira und J. Labeaga), **Energy Economics**, 84 (Suppl. 1), 1-3, 2019.
13. Conditional cooperation in the case of a global public good - experimental evidence from climate change mitigation in Beijing (mit W. Ran, J. Pei, B. Sturm und Z. Zhao), **China Economic Review**, 56, 1-18, 2019.
14. Do voluntary environmental programs reduce emissions? EMAS in the German manufacturing sector (mit R. Kube, K. v. Graevenitz und P. Massier), **Energy Economics**, 84, 1-12, 2019.
15. Interdisciplinary synthesis report on the coal phaseout. The Kopernikus project ENavi informs the German coal commission (mit M. Pahle et al.), **GAIA**, 28(1), 61-62, 2019.
16. Facing the Energy Transition - An Introduction (mit M.T. Costa-Campi und E. Trujillo-Baute), **Economics of Energy & Environmental Policy**, 8(2), 1-6, 2019.
17. The European Union energy transition: key priorities for the next five years (mit S. Tagliapietra, G. Zachmann, O. Edenhofer, J.M. Glachant und P. Linares), **Energy Policy**, 132, 950-954, 2019.
18. The Impacts of the EU ETS on Efficiency - An Empirical Analyses for German Manufacturing Firms (mit B. Lutz und S. Managi), **Resource and Energy Economics**, 56, 71-95, 2019.
19. Recent Advances in Energy Demand Analysis – Insights for Industry and Households (mit S. Managi), **Resource and Energy Economics**, 56, 1-5, 2019.
20. Processing trade, foreign outsourcing and carbon emissions in China (with J. Pei, J. Xue, G. Peters, Z. Zhao, Q. Chen), **Structural Change and Economic Dynamics**, 49, 1-12, 2019.
21. The Impact of a Feed-In Tariff on Wind Power Development in Germany (mit C. Hitaj), **Resource and Energy Economics**, 57, 18-35, 2019.
22. Research trends in environmental and resource economics: Insights from four decades of JEEM (mit R. Kube, H. Mertens und T. Requate), **Journal of Environmental Economics and Management (JEEM)**, 92, 433-464, 2018.
23. Reducing CO2 from Cars in the European Union (mit S. Paltsev, Y.-H. Chen, V. Karplus, P. Kishimoto, J. Reilly, K. von Graevenitz und S. Koesler), **Transportation**, 45(2), 573-595, 2018.
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25. On the Effects of Unilateral Environmental Policy on Offshoring in Multi-Stage Production Processes (mit O. Schenker und S. Koesler), **Canadian Journal of Economics**, 51(4), 2018.
26. Establishing an expert advisory commission to assist the G20's energy transformation processes (mit P. Großkurth et al.), **Economics**, 12, 1–12, 2018.
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29. Informing the Transitions towards Low-carbon Societies – Editorial, **Energy Economics** (mit C. de Miguel, M. Filippini und X. Labandeira), 68 (Suppl. 1), 1-3, 2017.

30. Casting Light on Energy Efficiency — Evidence on Consumer Inattention and Imperfect Information (mit M. Rodemeier und R. Kube), **Applied Economics Letters**, 24(21), 1575–1587, 2017.
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32. Revealed preferences for voluntary climate change mitigation when the purely individual perspective is relaxed – evidence from a framed field experiment (mit B. Sturm und R. Uehleke), **Journal of Behavioral and Experimental Economics**, 67, 149-160, 2017.
33. Energy Costs in Germany and Europe: An Assessment Based on a (Total Real Unit) Energy Cost Accounting Framework (mit O. Kaltenegger, M. Baikowski und J. Lingens), **Energy Policy**, 104, 419-430, 2017.
34. The long-term impact of matching and rebate subsidies when public goods are impure: Field experimental evidence from the carbon offsetting market (mit M. Kesternich und D. Römer), **Journal of Public Economics**, 137, 70-78, 2016.
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38. Extreme weather experiences and climate change beliefs in China: An econometric analysis (mit J. Dai, M. Kesternich und A. Ziegler, **Ecological Economics** 116, 310-321, 2015.
39. Invention in Energy Technologies: Comparing Energy Efficiency and Renewable Energy Inventions at the Firm Level (mit S. Rexhäuser), **Energy Policy** 83, 206-217, 2015.
40. On the Provision of Public Goods with Probabilistic and Ambiguous Thresholds (mit A. Dannenberg, G. Paolacci, C. Reif und A. Tavoni), **Environmental and Resource Economics** 61(3), 365-383, 2015.
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43. Designing an EU Energy and Climate Policy Portfolio for 2030: Implications of Overlapping Regulation under Different Levels of Electricity Demand (mit F. Flues, B. Lutz und O. Schenker), **Energy Policy** 75, 91-99, 2014.
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46. The New IPCC Scenarios: What Does the Two-Degree Target Cost? - Die neuen Szenarien des IPCC: Was kostet das Zwei-Grad-Ziel?, **GAIA** 23/2, 73, 2014.
47. Incidence and Extent of Co-Authorship in Environmental and Resource Economics: Evidence from the Journal of Environmental Economics and Management (mit M. Schymura), **Scientometrics**, 99, 631-661, 2014.
48. Did Fukushima Matter? Empirical Evidence of the Demand for Climate Protection in Germany (mit C. Gallier und B. Sturm), **Applied Economics Letters**, 21(12), 846-851, 2014.
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51. The EU Decarbonisation Roadmap 2050: What Way to Walk? (mit M. Hübler), **Energy Policy**, 55, 190–207, 2013.
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54. Inequality, communication, and the avoidance of disastrous climate change in a public goods game (mit A. Tavoni, A. Dannenberg und G. Kallis), **Proceedings of the National Academy of Sciences (PNAS)**, 108(29), 11825-11829, 2011.
55. Auctioning of $CO_2$ Emission Allowances in Phase 3 of the EU Emissions Trading Scheme (mit E. Benz und B. Sturm), **Climate Policy**, 10 (2010), 705–718, 2010.
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57. On the Self-interested Use of Equity in International Climate Negotiations (mit A. Lange, C. Vogt und A. Ziegler), **European Economic Review**, 54(3), 359-375, 2010.
58. Indicators of Energy Security in Industrialised Countries (mit U. Moslener und D. Rübbelke), **Energy Policy**, 38(4), 1665-1671, 2010.

59. Energy Security - Concepts and Indicators - Editorial (with U. Moslener and D. Rübbelke), **Energy Policy**, 38(4), 1607-1608, 2010.
60. EU Climate Policy Up to 2020: An Economic Impact Assessment (mit C. Böhringer, U. Moslener und T. F. Rutherford), **Energy Economics**, 31(S2), 295-305, 2009.
61. Oil and Unemployment in Germany (mit U. Oberndorfer), **Jahrbücher für Nationalökonomie und Statistik**, 229(2+3), 146-162, 2009.
62. Technological Uncertainty and Cost-Effectiveness of $CO_2$ Emission Reduction (mit V. Otto), **Energy Economics**, 31(S1), 4-17, 2009.
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64. Environmental Taxation and Induced Structural Change in an Open Economy: The Role of Market Structure (mit C. Böhringer und H. Welsch), **German Economic Review**, 9(1), 17-40, 2008.
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66. Extending Working Hours: Why not work 42 Hours rather than 38? – A CGE Analysis for Germany (with K. Conrad and H. Koschel), **Empirica**, 35, 255-266, 2008.
67. Climate Policy Induced Investments in Developing Countries: The Implications of Investment Risks (mit C. Böhringer), **The World Economy**, 31(3), 367-392, 2008.
68. Directed technical change and climate policy (mit V.M. Otto und J. Reilly), **Energy Economics**. 30 (6), 2855-2878, 2008.
69. Decomposing Integrated Assessment of Climate Change: Methodology and Sample Application (mit C. Böhringer und T. F. Rutherford), **Journal of Economic Dynamics and Control**, 31(2), 683-702, 2007.
70. Energy Biased Technical Change – A CGE Analysis (mit V. Otto und R. Dellink), **Resource and Energy Economics**, 29(2), 137-158, 2007.
71. Efficiency Gains from ‚What'-Flexibility in Climate Policy – An Integrated CGE Assessment (mit C. Böhringer und T. F. Rutherford), **The Energy Journal**, „Multi-Greenhouse Gas Mitigation and Climate Policy", 405-424, 2006.
72. Computable General Equilibrium Models for Sustainability Impact Assessment: Status Quo and Prospects (mit C. Böhringer), **Ecological Economics** 60(1), 49-61, 2006.
73. Promoting Renewable Energy in Europe – A Hybrid CGE Approach (mit C. Böhringer), **The Energy Journal**, „Hybrid Modelling: New Answers to Old Challenges", 123 – 138, 2006.
74. Climate Policy Beyond Kyoto: Quo Vadis? A Computable General Equilibrium Analysis based on Expert Judgements (mit C. Böhringer), **Kyklos**, 58(4), 467-493, 2005.
75. Recycling of Eco-Taxes, Labor Market Effects and the True Cost of Labor – A CGE Analysis (mit K. Conrad), in: **Journal of Applied Economics**, 8(2), 259-278, 2005.
76. Assessing Emission Allocation in Europe: An Interactive Simulation Approach (mit C. Böhringer, T. Hoffmann, A. Lange und U. Moslener), **The Energy Journal**, 26(4), 1-22, 2005.
77. Market Power and Hot Air in International Emission Trading: The Impacts of U.S. Withdrawal from the Kyoto Protocol (mit C. Böhringer), in: **Applied Economics**, 35(6), 651-664, 2003.
78. Carbon Taxes and Joint Implementation – An applied general equilibrium analysis for Germany and India (mit C. Böhringer and K. Conrad), in: **Environmental and Resource Economics**, 24(1), 49-76, 2003.
79. The Economic and Environmental Implications of the US Repudiation of the Kyoto Protocol and the Subsequent Deals in Bonn and Marrakech (mit Z.X. Zhang), in: **Review of World Economics - Weltwirtschaftliches Archiv**, 138(4), 711-746, 2002
80. Technological Change in Economic Models of Environmental Policy: A Survey, in: **Ecological Economics**, 43(2-3), 105-126, 2002.

Schwetzingen, 26. Juni 2021