

CURRICULUM VITAE

PROF. DR. STEPHAN SOMMER

CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE

2021 – present	Bochum University of Applied Sciences, Professor of Economics
2020	Bochum University of Applied Sciences, Acting Professor of Economics
2013 – present	RWI, Researcher, Department “Environment and Resources”
2016 – 2019	University of Duisburg-Essen and Bochum University of Applied Sciences, Lecturer
2013	RWI, Research assistant, Department “Environment and Resources”
2012 – 2013	Deloitte Touche Tohmatsu, Working student, Department Transfer Pricing
2011 – 2012	E.ON AG, Working student, Department Taxes and Compliance
2010	Ruhr-University Bochum, Tutor, Chair of Macroeconomics, Prof. Dr. Michael Roos

EDUCATION

2013 -2018	Dr. rer. oec (PhD Economics), Ruhr University Bochum Supervisor: Prof. Dr. Manuel Frondel and Prof. Dr. Christoph M. Schmidt Doctoral Thesis: “Empirical Studies on Climate Change Perception and Mitigation Policies” (summa cum laude)
2011-2013	M.Sc. Economics, Ruhr University Bochum/ Germany
2010-2011	Semester abroad am Colegio Universitario de Estudios Financieros, Madrid/ Spain
2008-2011	B.Sc. Management and Economics, Ruhr University Bochum/ Germany

PROJECTS

In progress

2022 – 2025	„Gerechte interregionale Verteilung von Kosten und Nutzen der Energiewende (GiVen)“ commissioned by Ministry for Economic Affairs and Climate Action (BMWK)
2020 – 2024	„Sozialökologisches Panel – Fortsetzung und Weiterentwicklung“ commissioned by E.ON-Stiftung
2020 – 2023	„Verbundvorhaben ARIADNE: Evidenzbasiertes Assessment für die Gestaltung der deutschen Energiewende – Teilvorhaben RWI“ commissioned by German Federal Ministry for Education and Research (BMBF).

Completed

2020 – 2023	„CO ₂ -Preis – Analyse der kurz- und langfristigen Wirkungen unterschiedlicher CO ₂ -Bepreisungs-Varianten auf Gesellschaft und Volkswirtschaft/ Teilvorhaben: Analyse von Akzeptanz- und Verteilungsaspekten“ commissioned by German Federal Ministry for Education and Research (BMWi).
2019 – 2023	„Human-Centric Energy Districts: Smart Value Generation by Building Efficiency and Energy Justice for Sustainable Living“ (Smart-BEEJS) commissioned by the European Commission (Horizon 2020 Framework).
2019 – 2022	“New clean energy communities in a changing European energy system (NEWCOMERS)” commissioned by the European Commission (Horizon 2020 Framework).
2018 – 2022	“Evaluating Germany’s Climate Mitigation and Adaptation Practice 2 (Eval-MAP2)” commissioned by German Federal Ministry for Education and Research (BMBF).
2017 – 2020	“From Dusk till Dieselgate: Policy Insights from a Comparison of Mobility in Germany and the United States” commissioned by Fritz-Thyssen-Stiftung
2016 – 2019	“ENavi: Transformation und Vernetzung der Energieversorgung” a Kopernikus project on behalf of the German Federal Ministry of Education and Research (BMBF)
2013 – 2016	“Die Gesellschaftliche Akzeptanz der Energiewende (AKZEPTANZ)” on behalf of German Federal Ministry for Education and Research (BMBF).
2014 – 2015	“Quantitative Panelbefragung zum Stromverbrauch in privaten Haushalten” commissioned by Bundesverband der Energie- und Wasserwirtschaft (BDEW)
2012 – 2015	“Evaluating Climate Mitigation and Adaptation Policies: The Need for a Household Energy Consumption Panel” commissioned by the German Federal Ministry for Education and Research (BMBF).
2009 – 2015	“Energieverbrauch der Privaten Haushalte in Deutschland (2006 bis 2013)” commissioned by the German Federal Ministry for Economic Affairs and Energy (BMWi-Energie).

PUBLICATIONS

Articles in refereed Journals

Trotta, G., S. Sommer (2024), The effect of changing registration taxes on electric vehicle adoption in Denmark. *Transportation Research Part A: Policy and Practice*: 104117.

Burra, L.T., S. Sommer, C. Vance (2024), Free-ridership in subsidies for company and private electric vehicles. *Energy Economics*: 107333.

Levi, S., I. Wolf, S. Sommer, P. D. Howe (2023), Local support of climate change policies in Germany over time. *Environmental Research Letters* 18 (6): 064046.

Frondel, M., D. Osberghaus, S. Sommer (2023), The stability of personal traits and preferences in times of the Corona pandemic: Evidence from Germany. *Social Science Quarterly* 104: 1138–1153.

Knollenborg, L., S. Sommer (2023), Diverging Beliefs on Climate Change and Climate Policy: The Role of Political Orientation. *Environmental and Resource Economics* 84 (4): 1031–1049.

Singhal, P., M. Pahle, M. Kalkuhl, A. Levesque, S. Sommer, J. Berneiser (2022), Beyond good faith: Why evidence-based policy is necessary to decarbonize buildings cost-effectively in Germany. *Energy Policy* 169: 113191.

- Trotta, G., A. R. Anders, S. Sommer (2022), The price elasticity of residential district heating demand: New evidence from a dynamic panel approach. *Energy Economics* 112: 106163.
- Andor, M. A., A. Lange, S. Sommer (2022), Fairness and the support of redistributive environmental policies. *Journal of Environmental Economics and Management* 114: 102682.
- Frondel, M., K. Kaestner, S. Sommer, C. Vance (2022), Photovoltaics and the Solar Rebound: Evidence from Germany. *Land Economics* 99 (2): 265–282.
- Frondel, M., V. Helmers, L. Mattauch, M. Pahle, S. Sommer, C. M. Schmidt, O. Edenhofer (2022), Akzeptanz der CO₂-Bepreisung in Deutschland: Die Bedeutung der Rückverteilung der CO₂-Preiseinnahmen. *Perspektiven der Wirtschaftspolitik* 23 (1): 49–64.
- Frondel, M., M. Kaeding, S. Sommer (2022), Market Premia for Renewables in Germany: The Effect on Electricity Prices. *Energy Economics* 109: 105874
- Sommer, S., L. Mattauch, M. Pahle (2022), Supporting Carbon Taxes: The Role of Fairness. *Ecological Economics* 195: 107359.
- Blasch, J., N. van der Grijp, D. Petrovics, J. Palm, N. Boken, S. Darby, J. Barnes, P. Haan, P. Hansen, T. Kamin, U. Golob, M.A. Andor, S. Sommer, A. Nicita, M. Musolino, M. Mlinaric (2021) New Clean Energy Communities in Polycentric Settings: Four Avenues for Future Research. *Energy Research & Social Science* 82: 102276.
- Sommer, S., C. Vance (2021) Do More Chargers Mean More Electric Cars? *Environmental Research Letters* 16 (6): 64092.
- Frondel, M., C. Marggraf, S. Sommer, C. Vance (2021) Reducing Vehicle Cold Start Emissions through Carbon Pricing: Evidence from Germany. *Environmental Research Letters* 16 (3).
- Andor, M., D.H. Bernstein, S. Sommer (2021) Determining the Efficiency of Residential Electricity Consumption. *Empirical Economics* 60: 2897–2923.
- Frondel, M., S. Sommer, L. Tomberg (2021) WTA-WTP Disparity: The Role of Perceived Realism of the Valuation Setting. *Land Economics* 97: 196–206.
- Andor, M. A., A. Gerster, S. Sommer (2020), Consumer Inattention, Heuristic Thinking and the Role of Energy Labels. *Energy Journal* 41 (1): 83–122.
- Andor, M. A., M. Frondel, A. Gerster, S. Sommer (2019), Cognitive Reflection and the Valuation of Energy Efficiency. *Energy Economics* 84 (Supplement 1).
- Frondel, M., S. Sommer, C. Vance (2019) Heterogeneity in Residential Electricity Consumption: A Quantile Regression. *Energy Policy* 131: 370–379.
- Frondel, M., G. Kussel, S. Sommer (2019) Heterogeneity in the Price Response of Residential Electricity Demand: A Dynamic Approach for Germany. *Resource and Energy Economics* 57: 119–134..
- Frondel, M., S. Sommer, L. Tomberg (2019) Versorgungssicherheit mit Strom: Empirische Evidenz auf Basis der Inferred-Valuation-Methode. *Zeitschrift für Wirtschaftspolitik* 68 (1): 1–21.
- Frondel, M., S. Sommer (2019) Schwindende Akzeptanz für die Energiewende? Ergebnisse einer wiederholten Bürgerbefragung. *Zeitschrift für Energiewirtschaft* 43 (1): 27–38.
- Andor, M., C. Parmeter, S. Sommer (2019) Combining Uncertainty with Uncertainty to get Certainty? Efficiency Analysis for Regulation Purposes. *European Journal of Operational Research* 274 (1): 240–252.
- Grabarczyk, P., M. Wagner, M. Frondel, S. Sommer (2018) A Cointegrating Polynomial Regression Analysis of the Material Kznets Curve Hypothesis. *Resources Policy* 57 (2018): 236–245.
- Andor, M., M. Frondel, S. Sommer (2018) Equity and the Willingness to Pay for Green Electricity in Germany. *Nature Energy* 3 (10): 876–881.
- Frondel, M., S. Sommer (2018) Der Preis der Energiewende: Anstieg der Kostenbelastung einkommensschwacher Haushalte. *List Forum für Wirtschafts- und Finanzpolitik* 44 (3): 335–356.

- Andor, M., C.M. Schmidt, S. Sommer (2018) Climate Change, Population Ageing and Public Spending: Evidence on Individual Preferences. *Ecological Economics* 151: 173-183.
- Beyer, G., D. Borchers, M. Frondel, M. Hrach, O. Kutzschbauch, R. Menges, S. Sommer, S. Traub (2017) Die gesellschaftliche Akzeptanz der Energiewende: Befunde eines interdisziplinären Forschungsprojektes. *List Forum für Wirtschafts- und Finanzpolitik* 43 (4): 421-443.
- Frondel, M., S. Sommer (2017) Der Wert von Versorgungssicherheit mit Strom: Evidenz für deutsche Haushalte. *Zeitschrift für Wirtschaftspolitik* 66 (3): 294-317.
- Frondel, M., O. Kutzschbauch, S. Sommer, S. Traub (2017) Die Gerechtigkeitslücke in der Verteilung der Kosten der Energiewende auf die privaten Haushalte. *Perspektiven der Wirtschaftspolitik* 18 (4): 335-347.
- Frondel, M., M. Simora, S. Sommer (2017) Risk perception of climate change: Empirical evidence for Germany. *Ecological Economics* 137: 173-183.
- Andor, M., M. Frondel, M. Guseva, S. Sommer (2016) Zahlungsbereitschaft für grünen Strom: Zunehmende Kluft zwischen Wunsch und Wirklichkeit. *Zeitschrift für Energiewirtschaft* 40 (4): 199-209.
- Andor, M., M. Frondel, C.M. Schmidt, M. Simora, S. Sommer (2015) Klima- und Energiepolitik in Deutschland: Dissens und Konsens. *List Forum für Wirtschafts- und Finanzpolitik* 41 (1): 3-21.
- Frondel, M., N. Ritter, S. Sommer (2015) Stromverbrauch privater Haushalte in Deutschland: Eine ökonometrische Analyse. *Zeitschrift für Energiewirtschaft* 39 (3): 221-232.
- Andor, M., M. Frondel, S. Sommer (2015) Reform des EU-Emissionshandels: Eine Alternative zu Mindestpreisen für Zertifikate und der Marktstabilitätsreserve. *Zeitschrift für Wirtschaftspolitik* 64 (2), 171-188.
- Frondel, M., S. Sommer, C. Vance (2015) The Burden of Germany's Energy Transition: An Empirical Analysis of Distributional Effects. *Economic Analysis and Policy*: 89-99.
- Frondel, M., S. Sommer (2014) Energiekostenbelastung privater Haushalte – Das EEG als sozialpolitische Zeitbombe? *List Forum für Wirtschafts- und Finanzpolitik* 40 (4), 322-331.
- Andor, M., M. Frondel, S. Sommer (2014) Klimawandel: Wahrnehmung und Einschätzungen der deutschen Haushalte im Herbst 2012. *Zeitschrift für Energiewirtschaft* 38: 1-12.

Discussion Papers

- Singhal, P, S. Sommer, K. Kaestner, M. Pahle (2023) Split-Incentives in Energy Efficiency Investments? Evidence from Rental Housing.
- Sommer, S., T. Konc, S. Drews (2023) How Resilient is Public Support for Carbon Pricing? Longitudinal Evidence from Germany.
- Burra, L.T., S. Sommer, C. Vance (2023) Policy Complementarities in the Promotion of Electric Vehicles.
- Andor, M.A., D.H. Bernstein, C.F. Parmeter, S. Sommer (2023) Internal Meta-Analysis for Monte Carlo Simulations.
- Kaestner, K., M. Pahle, A. Schwarz, S. Sommer, A. Stünzi (2023) Experts' Conjectures, People's Statements and True Preferences: The Case of Carbon Price Support.
- Kaestner, K., S. Sommer, J. Berneiser, R. Henger, C. Oberst (2023) Cost Sharing Mechanisms for Carbon Pricing: What Drives Support in the Housing Sector?
- Schwarz, A., A. Stünzi, K. Kaestner, M. Pahle, S. Sommer (2023) Targeted Information Provision and the Public Acceptance of Carbon Pricing.
- Frondel, M., G. Kussel, S. Sommer, C. Vance (2019) Local Cost for Global Benefit: The Case of Wind Turbines. *Ruhr Economic Papers* 791. RWI.
- Sommer, S., (2018) Switching to green electricity: Spillover effects on household consumption. *SFB823 Discussion Papers* 24/2018. TU Dortmund.

CONFERENCE AND SEMINAR PRESENTATIONS

2023	9 th Annual Conference of the Florence School of Regulation, Florence/ Italy.
2022	27 th Annual Conference of the European Association of Environmental and Resource Economists, Rimini/ Italy.
2021	BEHAVE 2020-2021 – 6 th European Conference on Behavior and Energy Efficiency, virtual Multiple Scientific Workshop, virtual. 26 th Annual Conference of the European Association of Environmental and Resource Economists, virtual. VfS- Jahrestagung 2021, virtual.
2020	EAERE Post-Conference Workshop “The Economics of Inequality and the Environment”, Leipzig/ Germany. 25 th EAERE Virtual Annual Conference. 13 th International Workshop on „Empirical Methods in Energy Economics“, Zurich/ Switzerland.
2019	EAERE ETH European Winter School, Monte Verita/ Switzerland. 11. Internationale Energiewirtschaftstagung, Vienna/ Austria. 24 th Annual Conference of the European Association of Environmental and Resource Economists, Manchester/ United Kingdom. 34 th Congress of the European Economic Association, Manchester/ United Kingdom. VfS-Jahrestagung 2019, Leipzig/ Germany. 1st RWI Empirical Environmental Economics Workshop, Essen/ Germany. Akademie für Politische Bildung, Tutzing/ Germany.
2018	15. Symposium Energieinnovation der Techn. Universität Graz, Graz/ Austria. E-World Essen/ Germany. VWL-Kolloquium, Ruhr University Bochum/ Germany. North American Productivity Workshop X, Miami/ USA. 33 rd Annual Congress of the European Economic Association, Cologne/ Germany. VfS-Jahrestagung 2018, Freiburg/ Germany. AFE 2018 Conference, Boston/ USA Seminar at University Duisburg-Essen/ Germany. Seminar an der RWTH Aachen/ Germany.
2017	10. Internationale Energiewirtschaftstagung (IEWT), Vienna/ Austria. 23 rd Annual Conference of the European Association of Environmental and Resource Economists, Athens/ Greece. Cologne International Energy Summer (CIES) in Energy and Environmental Economics, Cologne/ Germany. 15 th IAEE European Conference, Vienna/ Austria.
2016	Applied Environmental Economics Conference envecon 2016, London/ United Kingdom. 11 th Conference on Energy Economics and Technology (ENERDAY 2016), Dresden/ Germany. 39 th IAEE International Conference, Bergen/ Norway. 7 th Atlantic Workshop on Energy and Environmental Economics, Isla de la Toja/ Spain. 9 th International Workshop “Empirical Methods in Energy Economics” (EMEE), Oviedo/ Spain.

- 2015 9. Internationale Energiewirtschaftstagung (IEWT), Vienna/ Austria.
Intern. Ruhr Energy Conference (INREC), Essen/ Germany.
Euro-Asia Forum in Politics, Economics and Business (EAFPEB), Istanbul/ Turkey.
- 2014 16. Workshop des GEE Student Chapters, Essen/ Germany.

TEACHING EXPERIENCE

- Since 2022 – Lecture “Energy Markets and Regulation” (Bachelor), Bochum University of Applied Sciences
- Since 2022 – Seminar “Data-Driven Decision-Making in Economics” (Bachelor), Bochum University of Applied Sciences
- Since 2021 – Seminar “International Economic Policy”, Bochum University of Applied Sciences
- 2020 – Seminar Transport Economics, Bochum University of Applied Sciences
- Since 2019 – Seminar “Environmental Policy”, Bochum University of Applied Sciences
- Since 2019 – Lecture “Macroeconomics and Economic Policy”, Bochum University of Applied Sciences
- Since 2017 – Lecture “Microeconomics”, Bochum University of Applied Sciences
- 2016-2019 –Lectures “Introduction to Economics for Business Engineers”, University of Duisburg-Essen
- 2015-2019 – Seminar “Market- and Non-Market Valuation of Environmental Goods” (Master), Ruhr University Bochum
- 2014-2019 –Seminar “Empirical Environment, Resource and Energy Economics” (Master), Ruhr University Bochum
- Since 2014 Supervision of numerous bachelor and master theses, Ruhr University Bochum, Bochum University of Applied Sciences

AWARDS AND SELECTIONS

- 2023 RWI award for 3rd best publication
- 2022 Member of jury “IdeenLauf” (Wissenschaftsjahr 2022 – Nachgefragt!, an initiative of the Federal Ministry of Research and Education)
- Member of Interdisciplinary Institute for Applied Artificial Intelligence and Data Science Ruhr
- Member of postgraduate program NRW
- Participation at “Ökonomie hautnah”
- 2020 Selection for the 7th Lindau Meeting on Economic Sciences
- Participation at Young Economic Summit
- 2019 Selection for Global Young Faculty
- RWI Dissertationspreis
- RWI award for 2nd best publication

LANGUAGE PROFICIENCY

German	Native
English	Fluent
Spanish	Fluent
Italian	very good