

Publications of Linus Mattauch

PUBLICATIONS IN PEER-REVIEWED JOURNALS

26. van den Bijgaart, Inge, David Klenert, **Linus Mattauch**, Sulikova, Simona (2024). Healthy climate, healthy bodies: Optimal fuel taxation and physical activity, *Economica*, 91(361):93–122.
25. Zhao, Jiaxin, **Linus Mattauch** (2022). When standards have better distributional consequences than carbon taxes. *Journal of Environmental Economics and Management*, 116, 102747.
24. **Mattauch, Linus**, David Klenert, Joseph E. Stiglitz, Ottmar Edenhofer (2022). Overcoming wealth inequality by capital taxes that finance public investment. *Structural Change and Economic Dynamics*, 63,383–95. [named “most popular in 2022” by the journal]
23. **Mattauch, Linus**, Cameron Hepburn, Fiona Spuler, Nicholas Stern (2022). The economics of climate change with endogenous preferences. *Resource and Energy Economics*, 69, 101312.
22. Funke, Franziska, **Linus Mattauch**, Inge van den Bijgaart, Charles Godfray, Cameron Hepburn, David Klenert, Marco Springmann, Nicolas Treich (2022). Is Meat Too Cheap? Towards Optimal Meat Taxation. *Review of Environmental Economics and Policy*, accepted.
21. Frondel, Manuel, Viola Helmers, **Linus Mattauch**, Michael Pahle, Stephan Sommer, Christoph M. Schmidt, Ottmar Edenhofer. Akzeptanz der CO₂-Bepreisung in Deutschland: Evidenz für private Haushalte vor Einführung des CO₂-Preises (2022). *Perspektiven der Wirtschaftspolitik*, 23(1), 49–64.
20. Sommer, Stephan, **Linus Mattauch**, Michael Pahle (2022). Supporting carbon taxes and the role of fairness. *Ecological Economics*, 195, 107359.
19. Creutzig, Felix, Leila Niamir, Xuemei Bai, Max Callaghan, Jonathan Cullen, Julio Díaz-José, Maria Figueroa, Arnulf Grubler, William F. Lamb, Adrian Leip, Eric Masanet, Érika Mata, **Linus Mattauch**, Jan C. Minx, Sebastian Mirasgedis, Yacob Mulugetta, Sudarmanto Budi Nugroho, Minal Pathak, Patricia Perkins, Joyashree Roy, Stephane de la Rue du Can, Yamina Saheb, Shreya Some, Linda Steg, Julia Steinberger, Diana Ürge-Vorsatz (2022). Demand-side solutions to climate change mitigation consistent with high levels of well-being. *Nature Climate Change* 12:36–46.
18. Klenert, David, Franziska Funke, **Linus Mattauch**, Brian O’Callaghan (2020). Five lessons from COVID-19 for advancing climate change mitigation. *Environmental and Resource Economics*, 76(4), 751–78.
17. **Mattauch, Linus**, H. Damon Matthews, Richard Millar, Armon Rezai, Susan Solomon, Frank Venmans. (2020) Steering the climate system: comment *American Economic Review*, 110(4):1231–37.
16. **Mattauch, Linus**, Jan Siegmeier, Franziska Funke. Wirtschaftswachstum aufgeben? Zur Struktur wachstumskritischer Argumente. (2019) *Zeitschrift fuer Wirtschafts- und Unternehmensethik*, 20(1), 5–30.
15. Klenert, David, **Linus Mattauch**, Emmanuel Combet, Ottmar Edenhofer, Cameron Hepburn, Ryan Rafaty, Nicholas Stern (2018). Making carbon pricing work for citizens. *Nature Climate Change* 8:669–77.

14. **Mattauch, Linus**, Jan Siegmeier, Ottmar Edenhofer, Felix Creutzig (2018). Financing Public Capital through Land Rent Taxation: A Macroeconomic Henry George Theorem, *Finanzarchiv/Public Finance Analysis*, 74:340–60.
13. Creutzig, F., Roy, J., Lamb, W. F., Azevedo, I. M.L., Bruine de Bruin, W., Dalkmann, H., Edelenbosch, Oreane Y., Geels, Frank W., Grübler, A., Hepburn, C., Hertwich, E., Khosla, R., **Mattauch, L.**, Minx, J. C., Ramakrishnan, A., Rao, N., Steinberger, J., Tavoni, M., Ürge-Vorsatz, D., Weber, E. U. (2018). Towards demand-side solutions for mitigating climate change. *Nature Climate Change*, 8:260–71.
12. Siegmeier, Jan, **Linus Mattauch**, Ottmar Edenhofer (2018). Capital beats coal: how collecting the climate rent increases aggregate investment *Journal of Environmental Economics and Management*, 88:366–78.
11. Klenert, David, **Linus Mattauch**, Ottmar Edenhofer, Kai Lessmann (2018). Infrastructure and Inequality: Insights from Incorporating Key Economic Facts about Household Heterogeneity. *Macroeconomic Dynamics* 22(4): 864–95.
10. Siegmeier, Jan, **Linus Mattauch**, Max Franks, David Klenert, Anselm Schultes, Ottmar Edenhofer (2018). A Public Finance Perspective on Climate Policy: Six Interactions that may enhance Welfare. *Climate Policy*, 18(3):352–67.
9. Klenert, David, Gregor Schwerhoff, Ottmar Edenhofer, **Linus Mattauch** (2018). Carbon Taxation, Inequality and Engel’s Law – The Double Dividend of Redistribution. *Environmental and Resource Economics*, 71(3):605–24
8. **Mattauch, Linus**, Cameron Hepburn (2016). Climate policy when preferences are endogenous – and sometimes they are. *Midwest Studies in Philosophy*, 40(1):76–95.
7. **Mattauch, Linus**, Ottmar Edenhofer, David Klenert, Sophie Bénard (2016). Distributional effects of public investment when wealth and classes are back. *Metroeconomica*, 67(3):603–29.
6. **Mattauch, Linus**, Monica Ridgway, Felix Creutzig (2016). Happy or liberal? Making sense of behavior in transport policy design. *Transportation Research Part D: Transport and Environment*, 45:64–83.
5. Klenert, David, **Linus Mattauch** (2016). How to make a carbon tax reform progressive: The role of subsistence consumption. *Economics Letters*, 138:100–03.
4. Edenhofer, Ottmar, **Linus Mattauch**, Jan Siegmeier (2015). [equal contribution] Hypergeorgism: When rent taxation is socially optimal. *Finanzarchiv/ Public Finance Analysis*, 71(4):474–505.
3. Creutzig, Felix, Patrick Jochem, Oreane Y. Edelenbosch, **Linus Mattauch**, Detlef P. van Vuuren, David McCollum, Jan Minx (2015). Transport: A roadblock to climate change mitigation? *Science*, 350(6263):911–12.
2. **Mattauch, Linus**, Felix Creutzig, Ottmar Edenhofer (2015). Avoiding Carbon Lock-In: Policy Options for Advancing Structural Change. *Economic Modelling*, 50:49–63.
1. Edenhofer, Ottmar, Michael Jakob, Felix Creutzig, Christian Flachsland, Sabine Fuss, Martin Kowarsch, Kai Lessmann, **Linus Mattauch**, Jan Siegmeier, Jan Christoph Steckel (2015). Closing the Emission Price Gap. *Global Environmental Change*, 31:132–143. [Reprinted in: Kaul, Inge (ed.) *Global Public Goods* (2016). The International Library of Critical Writings in Economics series. Edward Elgar: Cheltenham, UK.]

WORKING PAPERS

- W1 Arlinghaus, Johanna, Théo Konc, **Linus Mattauch**, Stephan Sommer. Framing urban tolls, *mimeo*.
- W2 Doegnitz, Lorenz, Théo Konc, **Linus Mattauch**. The political economics of green transitions: optimal intertemporal policy response, *mimeo*.
- W3 Fabre, Adrien, Thomas Douenne, **Linus Mattauch**. International attitudes towards global policies. Berlin School of Economics Discussion Paper 22. [Revise and resubmit at *Nature Sustainability*]
- W4 Funke, Franziska, Théo Konc, **Linus Mattauch**, Michael Pahle, Antonia Schwarz, Stephan Sommer. Prices vs. quantities and public support, *mimeo*.
- W5 Funke, Franziska, **Linus Mattauch**, Fabre Adrien. Support carbon pricing when interest rates are higher, *submitted*
- W6 Missbach, Leonard, Jakob Niemann, Théo Konc, **Linus Mattauch**. Effective environmental taxes when production ratios are fixed, *mimeo*.
- W7 Stevenson, Gary, **Linus Mattauch**. How wealth inequality can increase asset prices, *mimeo*.

FURTHER PUBLICATIONS: REPORTS, REVIEWS, INVITED CHAPTERS

- 2023 **Mattauch, Linus**, Leona Tenkhoff. High ‘steaks’: building support for reducing agricultural emissions. *PLOS Climate*, 2(10), e0000291.
- 2023 Mathijs, Erik, Janis Baird, Rune Blomhoff, Andrea Büttner, Carsten Daugbjerg, Francesca Galli, Wencke Gwozdz, Meike Janssen, Peter Jelička, **Linus Mattauch**, Jutta Roosen, Elin Rööös, Tanja Schneider, Antonia Trichopoulou, Mónica Truninger, Jenny van Doorn, Stefanie Vandevijvere. Towards Sustainable Food Consumption. Science Advice for Policy by European Academies (SAPEA). Evidence Review Report 12.
- 2023 **Mattauch, Linus**, Sugandha Srivastav. Principles of Decarbonisation Politics. *Nature Climate Change*. 13:503–504.
- 2023 Funke, Franziska, **Linus Mattauch**, Thorsten Merl, Hermine Mitter, Viola Priese-mann, Leonie Wenz, Anna Wiese, Anna (2023). Perspektiven auf Herausforderungen des Agrar- und Ernährungssystems. Stellungnahme der Jungen Akademie.
- 2021 **Mattauch, Linus**, Christina Roolfs, Anselm Schultes, David Klenert, Gregor Schwerhoff. Forschungsinstitute Führen im 21. Jahrhundert: Optimalsteuertheorie und Ostrom sind zurück. In: MCC Berlin (ed.): Ottmar Edenhofer. Festschrift zum 60. Geburtstag, 62–72.
- 2021 Kommission Weltkirche der Deutschen Bischofskonferenz (Ed.). Wie sozial-ökologische Transformation gelingen kann. Eine interdisziplinäre Studie im Rahmen des Dialogprojektes zum weltkirchlichen Beitrag der katholischen Kirche für eine sozial-ökologische Transformation im Lichte von *Laudato si’*. [Bornhorst, B., Emunds, B., Felbermayr, G., Fuchs, D., Hendricks, B., Kruip, G., Kalkuhl, M., Lang, D., **Mattauch, L.**, Schellhammer, B., Schinke, C., Wallacher, J., Wiemeyer, J., Einsiedel, S., Steinforth, T.] Studien der Sachverständigengruppe “Weltwirtschaft und Sozialethik” Bd. 22.
- 2021 Pahle, Michael, Stephan Sommer, **Linus Mattauch**. Wie Fairness die öffentliche Zustimmung zur CO₂-Bepreisung beeinflusst. ifo Schnelldienst 74 6/2021, 18–22.

- 2020 **Mattauch, Linus**, Felix Creutzig, Nils aus dem Moore, Max Franks, Franziska Funke, Michael Jakob, Lutz Sager, Moritz Schwarz, Achim Voß, Marie-Luise Beck, Claus-Heinrich Daub, Moritz Drupp, Felix Ekardt, Gregor Hagedorn, Mathias Kirchner, Tobias Kruse, Thomas Loew, Karsten Neuhoff, Isabella Neuweg, Sonja Peterson, Matthias Roesti, Gerhard Schneider, Robert Schmidt, Reimund Schwarze, Jan Siegmeier, Philippe Thalmann, Johannes Wallacher (2020). Antworten auf zentrale Fragen zur Einführung von CO₂-Preisen. Version 2.0 Gestaltungsoptionen und ihre Auswirkungen für den schnellen Übergang in die klimafreundliche Gesellschaft. *Diskussionsbeiträge der Scientists for Future 2*, 2020, Version 2.0., doi:10.5281/zenodo.3644498
- 2019 Klenert, David, **Linus Mattauch**. Carbon pricing for inclusive prosperity. Policy brief 16 of the network of Economics for Inclusive Prosperity.
- 2019 Edenhofer, Ottmar, **Linus Mattauch**. Können sich liberale Demokratien eine ambitionierte Klimapolitik leisten? In: Fücks, R. (ed.): Soziale Marktwirtschaft ökologisch erneuern. 21–42. [Reprinted on blog of Zentrum Liberale Moderne]
- 2019 Hagedorn, Gregor, Thomas Loew, Sonia I. Seneviratne, Wolfgang Lucht, Marie-Luise Beck, Janina Hesse, Reto Knutti, Volker Quaschnig, Jan-Hendrik Schleimer, **Linus Mattauch**, Christian Breyer, Heike Hübener, Gottfried Kirchengast, Alice Chodura, Jens Clausen, Felix Creutzig, Marianne Darbi, Claus-Heinrich Daub, Felix Ekardt, Maja Göpel, Judith N. Hardt, Julia Hertin, Thomas Hickler, Arnulf Köhncke, Stephan Köster, Julia Krohmer, Helga Kromp-Kolb, Reinhold Leinfelder, Linda Mederake, Michael Neuhaus, Stefan Rahmstorf, Christine Schmidt, Christoph Schneider, Gerhard Schneider, Ralf Seppelt, Uli Spindler, Marco Springmann, Katharina Staab, Thomas Stocker, Karl Steininger, Eckart von Hirschhausen, Susanne Winter, Martin Wittau, Josef Zens. Scientists for Future: A joint statement by German, Austrian, and Swiss scientists and scholars concerning the protests of young people demanding adequate protection of the climate, biodiversity, forest, oceans, and soil. *GAIA*, 28/2, 73–176. [GAIA Best Paper Award 2019]
- 2018 Dasgupta, Purnamita, Ottmar Edenhofer, A.M.A. Amezcuita, Antonio Bento, Simon Caney, David De la Croix, A Fosu, Michael Jakob, M Saam, Kristin Shrader-Frechette, Christian Flachsland, John Weyant, L You, GC Delgado-Ramos, Marcel Dorsch, David Klenert, R Lempert, J Leroux, Kai Lessmann, J Liu, **Linus Mattauch**, Charles Perrings, Gregor Schwerhoff, Kristin Seyboth, Jan Streckel. Economic Growth, Human Development, and Welfare. In: Fleurbaey, M. et al. (ed.): Rethinking Society for the 21st Century Report of the International Panel on Social Progress. Cambridge University Press.
- 2018 **Mattauch, Linus**, Richard Millar, Frederick van der Ploeg, Armon Rezai, Anselm Schultes, Frank Venmans, Nico Bauer, Simon Dietz, Ottmar Edenhofer, Niall Farrell, Cameron Hepburn, Gunnar Luderer, Jacquelyn Pless, Fiona Spuler, Nicholas Stern, Alexander Teytelboym. Steering the Climate System: An extended Comment. CESifo Working Paper 7414.
- 2018 Wissenschaftliche Arbeitsgruppe für weltkirchliche Aufgaben der Deutschen Bischofskonferenz (Ed.). Raus aus der Wachstumsgesellschaft? Eine sozioethische Analyse und Bewertung von Postwachstumsstrategien. [Edmunds, B., Goergens, E., Hageman, H., Hemmer, H.-R., Kruip, G., Kalkuhl, M., Mueller, J., Stoll, G., Wallacher, J., Wiemeyer, J., Felbermayr, G., **Mattauch, L.**, Zahrnt, A., Goesele, A., Heindl, A.M.] Studien der Sachverständigengruppe “Weltwirtschaft und Sozialethik” Bd. 21.
- 2017 **Mattauch, Linus**, Matthias Roesti, Moritz Schwarz, Jan Siegmeier. Wirtschaftswachstum und Klimawandel. Chancen und Herausforderungen auf dem Weg zur klimafreundlichen Gesellschaft *Wirtschaftspolitische Blätter* 3/2017, p.361-374.
- 2015 **Mattauch, Linus**. *Rent and Redistribution. The welfare implications of financing low-carbon public investment*. PhD thesis, TU Berlin.

- 2013 Creutzig, Felix, **Linus Mattauch**. [Book review]: Fleurbaey, M., D. Blanchet: Beyond GDP. Measuring Welfare and Assessing Sustainability. *Ecological Economics*, 94: 164–165.
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WRITING FOR THE GENERAL PUBLIC, BLOG POSTS

- 2023 Mattauch, Linus Ist die aktuelle Verkehrspolitik ungesund? <https://background.tagesspiegel.de/mobilitaet/ist-die-aktuelle-verkehrspolitik-ungesund>
- 2023 Funke, Franziska, **Linus Mattauch**, Leona Tenkhoff. Wie die Bepreisung von Emissionen politisch möglich wird. <https://background.tagesspiegel.de/agrar-ernaehrung/wie-die-bepreisung-von-tierischen-produkten-politisch-moeglich-wird>
- 2023 Funke, Franziska, **Linus Mattauch** Meat tax: No UK politician is calling for one - but may they should <https://theconversation.com/meat-tax-no-uk-politician-is-calling-for-one-but-may-they-should>
- 2022 **Mattauch, Linus** Sind CO₂-Preise wirklich gerechter als Energiestandards? URL: <https://background.tagesspiegel.de/energie-klima/sind-co2-preise-wirklich-gerechter-als-energiestandards>
- 2022 **Mattauch, Linus** Wie sich Vermögensbesteuerung und Wirtschaftswachstum vereinbaren lassen. URL: <https://makronom.de/wie-sich-vermoegensbesteuerung-und-wirtschaftswachstum-vereinbaren-lassen-42653>
- 2022 **Mattauch, Linus**, Anna Wiese. Die Notwendigkeit zum Wertewandel fordert auch die VWL heraus. URL: <https://makronom.de/die-notwendigkeit-zum-wertewandel-fordert-auch-die-volkswirtschaftslehre-heraus-42260>
- 2022 Konc, Théo, **Linus Mattauch**, Nicholas Stern. For climate economics, preferences can and should be endogenous. URL: <https://voxeu.org/article/climate-economics-preferences-can-and-should-be-treated-endogenous>
- 2022 Sommer, Stephan, **Linus Mattauch** Michael Pahle. Klimageld: Ein Kompromiss für faire Energiepreise. Makronom, March 2022. URL: <https://makronom.de/klimageld-ein-kompromiss-fuer-faire-energiepreise-41557>
- 2021 Sommer, Stephan, **Linus Mattauch** Michael Pahle. What matters for the support of carbon taxes? Lessons from Germany. Green Fiscal Policy Network Blog URL: <https://greenfiscalspolicy.org/blog/what-matters-for-the-support-of-carbon-taxes-lessons-from-germany/>
- 2019 Klenert, David, **Linus Mattauch**. Reducing wealth inequality through wealth taxes without compromising economic growth. promarket.org, Stigler Center at the University of Chicago Both School of Business. URL: <https://promarket.org/2019/01/24/reducing-wealth-inequality-through-wealth-taxes-without-compromising-economic-growth/>
- 2018 Funke, Franziska, **Linus Mattauch**. Why is carbon pricing in some countries more successful than in others? Our World in Data. URL: <https://ourworldindata.org/carbon-pricing-popular>
- 2018 **Mattauch, Linus**, Alexander Radebach, Jan Siegmeier, Simona Sulikova. Shrink emissions, not the economy! Our World in Data. URL: <https://ourworldindata.org/shrink-emissions-not-the-economy>