

# Publications by Linus Mattauch

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## PEER-REVIEWED JOURNAL PUBLICATIONS

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, Felix, Joyashree Roy, William F. Lamb, Inês M. L. Azevedo, Wandi Bruine de Bruin, Holger Dalkmann, Oreane Y. Edelenbosch, Frank W. Geels, Arnulf Grübler, Cameron Hepburn, Edgar Hertwich, Rhadhika Khosla, **Linus Mattauch**, Jan Christoph Minx, Anjali Ramakrishnan, Narashima Rao, Julia Steinberger, Massimo Tavoni, Diana Ürge-Vorsatz, Elke U. Weber (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.]

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## CURRENT WORKING PAPERS

**Mattauch, Linus**, David Klenert, Joseph E. Stiglitz, Ottmar Edenhofer. Overcoming wealth inequality by capital taxes that finance public investment. NBER Working Paper 25126

**Mattauch, Linus**, Cameron Hepburn, Nicholas Stern. Pigou pushes preferences: decarbonisation options when preferences are endogenous, CESifo Working Paper 7404.

Sulikova, Simona, Inge van den Bijgaart, David Klenert, **Linus Mattauch**. Optimal fuel taxation with suboptimal health choices, INET Working Paper 2020-22

Sommer, Stephan, **Linus Mattauch**, Michael Pahle. Supporting carbon taxes and the role of justice, INET Working Paper 2020-23

Zhao, Jackson, Mattauch, Linus (2020). When standards have better distributional consequences than carbon taxes. INET Working Paper 2020-25.

Funke, Franziska, **Mattauch, Linus**, van den Bijgaart, Inge, Godfray, Charles, Hepburn, Cameron, Klenert, David, Springmann, Marco, Treich, Nicolas (2021). Is Meat Too Cheap? Towards Optimal Meat Taxation. INET Oxford Working Paper No. 2021-08.

Stevenson, Gary, **Linus Mattauch**. How wealth inequality can increase asset prices, *mimeo*.

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## REPORTS, BOOK CHAPTERS ETC, PARTLY PEER-REVIEWED

- 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 CO<sub>2</sub>-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. Konrad-Adenauer-Stiftung. [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 Ekaradt, 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. Amezquita, 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 21<sup>st</sup> 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 sozialetische 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 Sozialetik” 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, 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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## BLOG POSTS

- 2019 Klenert, David, **Linus Mattauch**. Reducing wealth inequality through wealth taxes without compromising economic growth. promarket.org, Stigler Center at the University of Chicago Booth School of Business. <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. <https://ourworldindata.org/carbon-pricing-popular>
- 2018 **Mattauch, Linus**, Alexander Radeback, Jan Siegmeier, Simona Sulikova. Shrink emissions, not the economy! Our World in Data. <https://ourworldindata.org/shrink-emissions-not-the-economy>