

Dr. Martin C. Hänsel

Curriculum Vitae

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Education and Qualifications

07/2018	PhD in Quantitative Economics, Thesis: “Essays on the Economics of Mitigating Climate Change”	Kiel University (CAU Kiel)
2016-2018	Doctoral Program “Integrated School of Ocean Sciences”	Future Ocean Cluster of Excellence, Kiel
2014-2018	Doctoral Program “Quantitative Economics”	Kiel University
2011-2013	MSc in Economics	Kiel University
2011	B.A. International Management	Bremerhaven University of Applied Sciences
2006	Abitur	Stiftsschule Amöneburg

Affiliations and Professional Experience

2019-today	Postdoctoral Researcher in the FutureLab Public Economics and Climate Finance, Department Transformation Pathways	Potsdam Institute for Climate Impact Research (PIK)
2014-2019	Research Assistant in the Group of Environmental, Resource and Ecological Economics (Prof. Dr. Martin Quaas), Department of Economics	Kiel University
2016-2017	Visiting Researcher in the Group of Jeroen C.J.M. van den Bergh, Institute for Environmental Science and Technology	Autonomous University of Barcelona

Research Interests

Primary: Environmental and Natural Resource Economics

Secondary: Climate Economics, Integrated Assessment Modeling, Environmental Macroeconomics, Sustainability Economics, Social-Ecological Systems, Sustainability Science

Peer Reviewed Publications

Hänsel, Martin C., Franks, M., Kalkuhl, M. and Ottmar Edenhofer (2022). Optimal Carbon Taxation and Horizontal Equity. A Welfare-Theoretic Approach with Application to German Household Data. *Journal of Environmental Economics and Management*, DOI: 10.1016/j.jeem.2022.102730

- Press release, Potsdam Institute for Climate Impact Research
- Bog Post, Bertelsmann foundation: “Sind effektive CO2-Preise politisch umsetzbar?”

Drupp, M.A. and M.C. Hänsel (2021). Relative Prices and Climate Policy: How the Scarcity of Nonmarket Goods Drives Policy Evaluation. *American Economic Journal: Economic Policy* 13(1): 168-201.

- Informed policy guidance in the UK and the Netherlands

Hänsel, Martin C., Drupp, M.A., Johansson, D.J.A., Nesje, F., Azar, C., Freeman, M.C., Groom, B. and T. Sterner (2020). Climate economics support for the UN climate targets. *Nature Climate Change* 10(8): 781-789.

- Press release, Potsdam Institute for Climate Impact Research
- Tagesspiegel article “UN-Klimaschutzziel liegt nahe am Kosten-Nutzen-Optimum”
- SRF radio interview “Neue Berechnung der Klimakosten: Nobelpreisträger in der Kritik”

Hänsel, Martin C. and J. van den Bergh (2021). Taxing Interacting Externalities of Ocean Acidification, Global Warming and Eutrophication. *Natural Resource Modeling*, e12317.

Hänsel, Martin C., Schmidt, J.O., Stiasny, M.H., Stoeven, M.T., Voss, R. and M.F. Quaas (2020). Ocean warming and acidification may drag down the commercial Arctic cod fishery by 2100. *PLoS ONE* 15(4): e0231589.

Voss, Rudi, Quaas, Martin F., Stiasny, Martina H., Hänsel, Martin C., Stecher Justiniano Pinto, Guilherme A., Lehmann, Andreas et al. (2019). Ecological-economic sustainability of the Baltic cod fisheries under ocean warming and acidification. *Journal of Environmental Management* 238: 110–118.

Hänsel, Martin C. and M.F. Quaas (2018). Intertemporal Distribution, Sufficiency, and the Social Cost of Carbon, *Ecological Economics* 146: 520–535.

Working Papers

Hänsel, Martin C., Bauer, M., Drupp, M.A., Wagner, G. and Glenn Rudebusch. Linking climate policy to climate outcomes, *Submitted to PNAS*.

Hänsel, Martin C., Franks, M., Kalkuhl, M. and Ottmar Edenhofer. Putin’s War, Distributional Justice and Climate Policy Options: Lessons from an optimal taxation model for Germany.

Sureth, Michael, Hänsel, Martin C. and Matthias Kalkuhl. Pricing Global, Existential Environmental Problems: A public economics perspective.

Hänsel, Martin C., Drupp, M.A., Freeman, M.C., Groom, B. and F. Nesje. Combining expert advice on social discounting.

Teaching Experience

2022	Seminar on Democracy, Autocracy, Natural Resources, and Democratic Peace, joint with Max Franks and Ottmar Edenhofer	PIK and MCC Berlin
Since 2021	The Economics of Climate Change (Tutorial/Lecture, Master), joint with Max Franks and Ottmar Edenhofer	Technical University of Berlin
Since 2020	The Economics of Climate Policy (Tutorial/Lecture, Master), joint with Max Franks and Ottmar Edenhofer	Technical University of Berlin
2016-2018	Environmental and Resource Economics (Seminar, Master)	Kiel University
2017	Integrated Climate and Economic Modeling (Lecture, Master)	Kiel University and GEO-MAR
2016-2017	Intermediate Microeconomics (Tutorial, Bachelor)	Kiel University
2016	Sustainability Economics (Tutorial, Bachelor/Master)	Kiel University
2008-2009	Micro- and Macroeconomics (Tutorial, Bachelor)	Bremerhaven University of Applied Sciences

Supervision

2020-2021	Tommaso Ficara (Master Thesis): The Economics of Planetary Boundaries: The Role of Biodiversity Loss for the Integrated Assessment of Climate Change	Technical University of Berlin
2021	Theresa Iglauer (Master Thesis): Horizontal Equity and Labor Supply in an Optimal Environmental Taxation Framework	Technical University of Berlin

Presentations on International Conferences and Workshops

2022	Monte Verità Conference on Sustainable Resource Use and Economic Dynamics; EAERE Conference Rimini
2021	Invited Presentation at the North-East Atlantic Ocean Acidification Workshop; EAERE Conference (remote); Congress of the International Institute of Public Finance
2020	EAERE Conference (remote); 76th Annual Congress of the International Institute of Public Finance; Post EAERE Workshop on the Economics of Inequality and the Environment; Monte Verità Conference on Sustainable Resource Use and Economic Dynamics
2019	EAERE Conference Manchester, Environmental Economics Workshop Gothenburg
2018	Annual Congress of the European Economic Association, Cologne
2017	EAERE Conference Athens; EAERE-FEEM-VIU European Summer School in Resource and Environmental Economics, Venice; World Conference on Natural Resource Modeling, Barcelona
2016	Special session on Environment and Economic Growth, IPAG 7th International Research Meeting in Business and Management, Nice; ERSC Workshop on Climate Ethics and Climate Economics: Discounting the Future, Oxford
2015	World Conference on Natural Resource Modeling, Bordeaux; EAERE Conference, Helsinki
2014	Workshop in Sustainability Economics: Intergenerational Justice under Uncertainty, Camp Reinsehlen; CERE Ulvön Conference on Environmental Economics, Ulvön

Scientific Contribution and Administrative Support to Joint Research Projects

Since 2020	ARIADNE, German Ministry for Education and Research (BMBF): Evidence-Based Assessment for the Design of the German Energy System Transformation (€30M)
2019-2020	KLIF, German Research Foundation (DFG): Integrierte Finanz- und Klimapolitik: Handlungsspielräume für Nationalstaaten unter Wettbewerbsdruck (€265K)
2018-2019	BONUS BLUEWEBS, European Union (EU): Blue Growth Boundaries in Novel Baltic Food Webs
2015-2017	BIOACID, German Ministry for Education and Research (BMBF): Biological Impacts of Ocean Acidification
2014-2015	ECCUITY, German Ministry for Education and Research (BMBF): Economics of Climate Change: Distribution, Efficiency, and Policy under Uncertainty

Outreach and Professional Activities

Since 2021	Editor for a Special Issue on “A New Decade of Research on the Economics of Climate Change: Towards an Integrated View on a Sustainable Use of the Biosphere” of the Journal of Economics and Statistics
Since 2019	Scientific Consultancy about Carbon-Pricing for Policy-makers in Germany as part of ‘Leibnitz im Bundestag’
2019	Invited Expert for a Workshop on the Social Cost of Carbon organized by the German Environment Agency (UBA)
2018	Contribution to International Assessment Report on Socio-economic Effects of Ocean Warming and Acidification in the Arctic: AMAP, 2018. AMAP Assessment 2018: Arctic Ocean Acidification. Arctic Monitoring and Assessment Programme (AMAP), Tromsø, Norway
2018-today	Reviewer (multiple times*): Nature Climate Change*, Nature Communications*, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Environmental and Resource Economics*, Ecological Economics*, Environmental Innovation and Societal Transitions
2014-today	Member of the European Economic Association, European Association of Environmental and Resource, Resource Modeling Association

Scholarships and Awards

2022-2024	Add-on Fellowships for Interdisciplinary Economics and Interdisciplinary Business Administration, Joachim-Herz-Stiftung (€12.5K)
2020	Invitation to the 7th Lindau Nobel Laureate Meeting on Economic Sciences, Invitation to present in the last round for Brandenburg’s PostDoc Prize
10/2016-03/2017	Miniproposal funding by the Kiel Cluster of Excellence “The Future Ocean” for a Research Initiative on “Assessing Temperature versus Ocean Acidification Dynamics in an Integrated Model of Environmental Quality and the Global Economy” (€5K)
2015-2017	e-fellows Scholarship
2015	Best Scientific Poster Award on World Conference on Natural Resource Modeling, Bordeaux

Language and Software Skills

Languages	German (native), English (fluent), Spanish (advanced)
Software	AMPL Mathematical Programming Language, Matlab, Stata, Mathematica, Latex, Microsoft Office

