

PROF. DR. OTTMAR EDENHOFER



— Prof. Dr. rer. pol., Dipl.-Vw.

CURRENT POSITIONS

- Director and Chief Economist at the Potsdam Institute for Climate Impact Research (PIK), PIK's research has been rated "excellent" during the last Leibniz evaluation
- Director of the Mercator Research Institute on Global Commons and Climate Change (MCC), work of MCC received "excellent" evaluation by independent scientific committee
- Professor of the Economics of Climate Change at the Technische Universität (TU) Berlin

CONTACT

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PROFILE

Ottmar Edenhofer is Professor at the Technische Universität Berlin and widely considered to be one of the world's leading experts on the economics of climate change. He is Director and Chief Economist at the Potsdam Institute for Climate Impact Research (PIK). From 2007-2018 he headed PIK's Research Domain 3 Sustainable Solutions which received an excellent evaluation by the Leibniz Society in 2014. Following the strategic decision of PIK in 2007 to become more *solution-oriented* with interdisciplinary Research Domains, Ottmar Edenhofer formed the research agenda of this department. He was pioneering in giving the institute which traditionally focused on large-scale quantitative computational modelling of the earth and its processes a social science research agenda providing rigorous and meaningful information on climate change mitigation to society. In 2012 he was appointed director of the newly founded Mercator Research Institute on Global Commons and Climate Change (MCC). The work of the MCC was considered "excellent" by an external scientific evaluation board commissioned by Stiftung Mercator in 2015, ranked first in Europe and fourth worldwide by the ICCG Climate Think Tank Ranking 2016 and ranked second in the category energy and the environment in Europe within the "Prospect: Think Tank Awards 2016". Edenhofer is member of the German National Academy of Science and Engineering acadtech as well as member of the German National Academy of Sciences Leopoldina, Section Economics and Empirical Social Sciences. In July 2018, he was awarded the Romano Guardini Prize by the Katholische Akademie in Bayern (Catholic Academy in Bavaria).

From 2008 to 2015 Ottmar Edenhofer served as Co-Chair of Working Group III of the Nobel Laureate Intergovernmental Panel on Climate Change (IPCC). In this capacity he led the fifth assessment cycle and edited the report on "Climate Change 2014: Mitigation of Climate Change" and the "Special Report on Renewable Energy Sources and Climate Change Mitigation". The Fifth Assessment Report on Climate Change Mitigation has been considered a landmark report. It provided the scientific basis for the Paris Agreement. Its analysis on the feasibility of the 2°C-target was groundbreaking and provided essential information for decision makers.

Ottmar Edenhofer's research influences political decision making. He is advising ministers such as the German Foreign Minister Heiko Maas as well as the German Federal President Frank-Walter Steinmeier and the World Bank on questions of green growth. Furthermore, he is a member of the "High-Level Commission on Carbon Prices" chaired by Joseph Stiglitz, Nobel Laureate in Economics, and Lord Nicholas Stern at the invitation of Ségolène Royal and Feike Sijbesma, Co-Chairs of the Carbon Pricing Leadership Coalition (CPLC) High Level Assembly. The commission prepared a highly regarded scientific assessment on carbon pricing for the World Bank Group and International Monetary Fund Spring Meetings in 2017. In connection with the German G20 presidency in 2017, Edenhofer headed the T20 Task Force "Climate Policy and Finance" which prepared scientific policy advice for the G20 and is a member of the OECD Advisory Council "Growth, Investment and the Low-Carbon Transition". He is further part of the "National Expert Advisory Council on Climate Change" for Ireland which was set up in 2015 in the framework of the "Climate Action and Low-Carbon Development Bill 2015". The Council advises and makes recommendations to the Minister for the Environment, community and local government as a national mitigation plan is prepared. Ottmar Edenhofer has been appointed Coordinating Lead Author of the chapter on Economic Growth, Human Development and Planetary Welfare for the report "Rethinking Society for the 21st Century" by the International Panel on Social

Progress (IPSP). The Panel includes renowned economists and works under the patronage of Amartya Sen. The FAZ ranked Edenhofer repeatedly among the 15 most influential economists in Germany. Moreover, he was ranked among the 1% most influential scientists in the world due to his highly relevant publications in scientific literature.

Ottmar Edenhofer has published articles in *Science*, *PNAS*, *Nature Climate Change*, *Resource and Energy Economics*, *Energy Economics*, *Macroeconomic Dynamics*, *World Development*, *Journal of Environmental Economics and Management* as well as other peer-reviewed journals and authored a number of books. His publications address the design of instruments for climate and energy policy, questions of growth, technological change and development, public finance, welfare economics, distributional effects of climate policy instruments, game theoretic aspects of designing international agreements, long-term scenarios of the climate and energy system, mitigation costs and mitigation strategies, as well as the science-policy interface. His work has been heavily cited, which is illustrated by an h-index of 35 in Scopus, 33 in ISI Web of Science and 57 in Google Scholar.

He supervised 45 successfully completed PhD projects and currently supervises 20 PhD students. His former PhD students received prestigious prizes for their dissertations and some of them have been appointed to professorships in the meantime.

Edenhofer's work has been picked up e.g. by *The New York Times*, *the Economist*, *China Daily*, *Nature*, *Der Spiegel*, *ARD*, *ZDF* and *Deutschlandfunk*. He frequently contributes to major media publications such as *DIE ZEIT*, *Süddeutsche Zeitung* and *Frankfurter Allgemeine Zeitung*.

EDUCATION

- 1987 — Diplomvolkswirt (Master Degree in Economics), University of Munich (with honors)
- 1991 — B.A. Philosophy, Munich School of Philosophy
- 1999 — Doctor rer. pol. (summa cum laude), topic: Social Conflict and Technological Change. Evolutionary Models of Energy Use.

CAREER

- 1982 - 1987 — Founding of public health company
- 1987 - 1994 — Member of Jesuit order
- 1991 - 1993 — Founder and director of humanitarian organization (Jesuit Refugee Service) in Croatia and Bosnia
- 1994 - 2000 — Assistant at the Institute for Sociology at the Technische Universität Darmstadt
- 2000 - 2005 — Deputy Chair of research domain Social Systems at the Potsdam Institute for Climate Impact Research
- 2004 - 2007 — Lead Author, Working Group III of the Intergovernmental Panel on Climate Change (IPCC), Chapters 1 und 11. In 2007, the IPCC received the Nobel Peace Prize.
- since 2005 — Chief Economist of the Potsdam Institute for Climate Impact Research
- 2007 — Advisor to the Federal Foreign Office on questions of global climate change
- 2007-2018 — Deputy Director of the Potsdam Institute for Climate Impact Research
- 2007 — Call to the position of President of the Wuppertal Institute, associated with a professorship at Bergische Universität Wuppertal; declined
- since 2008 — Professor for "Economics of Climate Change" at the Technische Universität Berlin, member of faculties VI and VII
- 2008 – 2015 — Co-Chair of Working Group III of the IPCC
- since 2012 — Director of Mercator Research Institute on Global Commons and Climate Change (MCC)
- since 2018 — Director of the Potsdam Institute for Climate Impact Research

MEMBERSHIP OF BOARDS AND COMMITTEES, SCIENTIFIC POLICY ADVICE (selection)

Policy and Business Advice

- Member of the High-Level Commission on Carbon Prices founded at the invitation of Ségolène Royal and Feike Sijbesma, Co-Chairs of the Carbon Pricing Leadership Coalition (CPLC) High Level Assembly, chaired by Joseph Stiglitz, Nobel Laureate in Economics, and Lord Nicholas Stern
- Member of the OECD Advisory Council “Growth, Investment and the Low-Carbon Transition”
- Member of the Advisory Board of the Green Growth Knowledge Platform (project of the Global Green Growth Institute, the OECD, United Nations Environment Programme and the World Bank)
- Member of the Advisory Committee to Princeton’s Carbon Mitigation Initiative CMI
- Member of the Volkswagen Sustainability Council
- Member of the *National Expert Advisory Council on Climate Change* for Ireland set up in the framework of the “Climate Action and Low-Carbon Development Bill 2015”

Scientific functions and editorships

- Member of the German National Academy of Science and Engineering, acatech
- Member of the German National Academy of Sciences Leopoldina, Section Economics and Empirical Social Sciences
- Member of the Scientific Advisory Board, European Institute on Economics and the Environment (EIEE)
- Member of the Scientific Advisory Board, EUREF-Institute Berlin
- Member of the Forschungsforum Energiewende [Research Forum Energy Transition], working group Economics
- Member of the Academy of Sciences and Humanities Hamburg
- Member of the Editorial Board of REEP Review of Environmental Economics and Policy (ranked 6th in Environmental Studies and 15th in Economics according to the 2015 Journal Citation Reports by Thomson Reuters)
- Member of the Editorial Board of Economics of Energy & Environmental Policy (EEEP)

TOP 20 PUBLICATIONS

ISI Publications

Sterner, T., Barbier, B. E., Bateman, I., van den Bijgaart, I., Crépin, A., Edenhofer, O., Fischer, C., Habla, W., Hassler, H., Johansson-Stenman, O., Lange, A., Polasky, S., Rockström, J., Smith, H. G., Steffen, W., Wagner, G., Wilen, J.E., Alpizar, F., Azar, C., Carless, D., Chávez, C., Coria, J., Engström, G., Jagers, S.C., Köhlin, G., Löfgren, Å., Pleijel, H. & Robinson, A. (2019): Policy design for the Anthropocene. *Nature Sustainability*, doi: 10.1038/s41893-018-0194-x.

Creutzig, F., Bren d'Amour, C., Weddige, U., Fuss, S., Beringer, T., Gläser, A., Kalkuhl, M., Steckel, J. C., Radebach, A., & Edenhofer, O., (2019): Assessing human and environmental pressures of global land-use change 2000-2010. Cambridge: Cambridge University Press, Volume 2, E1, doi: 10.1017/sus.2018.15

Kalkuhl, M., Steckel, J. C., & Edenhofer, O. (2019): All or nothing: Climate policy when assets can become stranded. *The Journal of Environmental Economics and Management*, doi: 10.1016/j.jeem.2019.01.012.

Edenhofer, O., Steckel, J., Jakob, M., & Bertram, C. (2018): Reports of coal's terminal decline may be exaggerated. *Environmental Research Letters*, doi: 10.1088/1748-9326/aaa3a2.

Franks, M., Klenert, D., Schultes, A., Lessmann, K., & Edenhofer, O. (2018): Is capital back? The role of land ownership and savings behavior. *International Tax and Public Finance*, doi: 10.1007/s10797-018-9486-3.

Fuss, S., Flachsland, C., Koch, N., Kornek, U., Knopf, B., & Edenhofer, O. (2018): A framework for assessing the performance of cap-and-trade systems: Insights from the European Union Emissions Trading System. *Review of Environmental Economics and Policy*, Vol. 12, Issue 2, 220-241, doi: 10.1093/reep/rey010.

Klenert, D., Mattauch, L., Combet, E., Edenhofer, O., Hepburn, C., Rafaty, R., & Stern, N. (2018): Making carbon pricing work for citizens. *Nature Climate Change*, Vol. 8, 669–677, doi: 10.1038/s41558-018-0201-2.

Jakob, M., Chen, C., Fuss, S., Marxen, A., Rao, N. D., & Edenhofer, O. (2016): Carbon Pricing Revenues Could Close Infrastructure Access Gaps. *World Development*, 84, 254-265, doi: 10.1016/j.worlddev.2016.03.001.

Kalkuhl, M. & Edenhofer, O. (2016): Ramsey meets Thünen: the impact of land taxes on economic development and land conservation. *International Tax and Public Finance*, doi: 10.1007/s10797-016-9403-6.

Klenert, D., Mattauch, L., Edenhofer, O., & Lessmann, K. (2016): Infrastructure and inequality: Insights from incorporating key economic facts about household heterogeneity. *Macroeconomic Dynamics*, doi: 10.1017/S1365100516000432.

Koch, N., Grosjean, G., Fuss, S., & Edenhofer, O. (2016): Politics matters: Regulatory events as catalysts for price formation under cap-and-trade. *Journal of Environmental Economics and Management*, 78, 121-139, doi: 10.1016/j.jeem.2016.03.004.

Bertram, C., Luderer, G., Pietzcker, R. C., Schmid, E., Kriegler, E., & Edenhofer, O. (2015): Complementing carbon prices with technology policies to keep climate targets within reach. *Nature Climate Change*, 5(3), 235-239, doi: 10.1038/nclimate2514.

Edenhofer, O. (2015): King Coal and the queen of subsidies. *Science*, 349(6254), 1286-1287, doi: 10.1126/science.aad0674.

Steckel, J. C., Edenhofer, O., & Jakob, M. (2015): Drivers for the renaissance of coal. *Proceedings of the National Academy of Sciences of the United States of America*, 112(29), E3775-E3781, doi: 10.1073/pnas.1422722112.

Edenhofer, O. & Minx, J. (2014): Mapmakers and navigators, facts and values. *Science*, 345(6192), 37-38, doi: 10.1126/science.1255998.

Jakob, M. & Edenhofer, O. (2014): Green growth, degrowth, and the commons. *Oxford Review of Economic Policy*, 30(3), 447-468, doi: 10.1093/oxrep/gru026.

Edenhofer, O., Hirth, L., Knopf, B., Pahle, M., Schlömer, S., Schmid, E., & Ueckerdt, F. (2013): On the economics of renewable energy sources. *Energy Economics*, 40, S12-S23, doi: 10.1016/j.eneco.2013.09.015.

Edenhofer, O., Seyboth, K., Creutzig, F., & Schlömer, S. (2013): On the Sustainability of Renewable Energy Sources. *Annual Review of Environment and Resources*, 38, 169-200, doi: 10.1146/annurev-environ-051012-145344.

Assessment Reports

Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Farahani, E., Kadner, S., Seyboth, K., Adler, A., Baum, I., Brunner, S., Eickemeier, P., Kriemann, B., Savolainen, J., Schlömer, S., Stechow, C. v., Zwickel, T., & Minx, J. C. (eds.) (2014): *Climate Change 2014 - Mitigation of Climate Change: Working Group III Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge: Cambridge University Press.

Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Seyboth, K., Matschoss, P., Kadner, S., Zwickel, T., Eickemeier, P., Hansen, G., Schlömer, S., Stechow, C. v. (eds.) (2012): *Renewable Energy Sources and Climate Change Mitigation. Special Report of the Intergovernmental Panel on Climate Change*. Cambridge: Cambridge University Press, 1075 pp.

Books

Edenhofer, O. & Jakob, M. (eds.) (2017): *Klimapolitik: Ziele, Konflikte und Lösungen*. C.H. Beck Verlag, 128 p.

Edenhofer, O., Wallacher, J., Reder, M., & Lotze-Campen, H. (eds.) (2010): *Global aber gerecht*. München: Beck Verlag, 240 p.

Article in an Edited Book

Edenhofer, O., Flachsland, C., Jakob, M., & Lessmann, K. (2015): The Atmosphere as a Global Commons: Challenges for International Cooperation and Governance. In: Bernhard, L., Semmler, W. (eds.), *The Oxford Handbook of the Macroeconomics of Global Warming*. Oxford: Oxford University Press, 260-296.

MAIN RESEARCH INTERESTS

- Impact of technological change on the costs and strategies of climate change mitigation
- Public Finance
- Distributional effects of climate policy instruments
- Economics of Atmospheric Stabilization
- Social Cost-Benefit Analysis
- Economic Growth and Sustainability Theory
- Economics of Climate Change
- Welfare Theory and General Intertemporal Equilibrium Theory
- Model simulations in economics and social sciences
- Game theoretic aspects of designing international agreements
- Energy Economics
- Scientific policy advice and the science-policy-interface
- Inequality Research

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PUBLICATIONS

2019

ISI Publications

Jakob M., Soria R., Trinidad C., Edenhofer O., Bak C., Bouille D., Buira D., Carlino H., Gutman V., Hübner C., Knopf B., Lucena A., Santos L., Scott A., Steckel J. C., Tanaka K., Vogt-Schilb A., Yamada K. (2019): Green fiscal reform for a just energy transition in Latin America. *Economics*, Vol. 13, 12019-17

Creutzig, F., Bren d'Amour, C., Weddige, U., Fuss, S., Beringer, T., Gläser, A., Kalkuhl, M., Steckel, J. C., Radebach, A., & Edenhofer, O., (2019): Assessing human and environmental pressures of global land-use change 2000-2010. Cambridge: Cambridge University Press, Volume 2, E1, doi: 10.1017/sus.2018.15.

Kalkuhl, M., Steckel, J. C., & Edenhofer, O. (2019): All or nothing: Climate policy when assets can become stranded. *The Journal of Environmental Economics and Management*, doi: 10.1016/j.jeem.2019.01.012.

Sterner, T., Barbier, B.E., Bateman, I., van den Bijgaart, I., Crépin, A., Edenhofer, O., Fischer, C., Habla, W., Hassler, H., Johansson-Stenman, O., Lange, A., Polasky, S., Rockström, J., Smith, H. G., Steffen, W., Wagner, G., Wilen, J.E., Alpiñar, F., Azar, C., Carless, D., Chávez, C., Coria, J., Engström, G., Jagers, S.C., Köhlin, G., Löfgren, Å., Pleijel, H. & Robinson, A. (2019): Policy design for the Anthropocene. *Nature Sustainability*, doi: 10.1038/s41893-018-0194-x.

Non-ISI Publications

Creutzig, F., Bren d'Amour, C., Weddige, U., Fuss, S., Beringer, T., Gläser, A., Kalkuhl, M., Steckel, J.C., Radebach, A., Edenhofer, O. (2019): Assessing human and environmental pressures of global land-use change 2000–2010. Cambridge University Press, *Global Sustainability*, Vol. 2, e1, 1-17.

Edenhofer, O. (2019): Der Grund meiner Hoffnung - nicht nur in der Klimafrage. In: *Lebendige Seelsorge*, 1/2019, 2-9.

Edenhofer, O., Flachsland, C., & Schmid, L. K. (2019): Decarbonization and EU ETS Reform: Introducing a price floor to drive low-carbon investments. In: Angrick, M., Kühleis, C., Landgrebe, J., Weiß, J. (eds): *12 Years of European Emissions Trading in Germany. Stocktaking and perspectives for effective climate protection*. Metropolis, 207-232.

Jakob, M., Edenhofer, O., Kornek, U., Lenzi, D., & Minx, J. (2019): Governing the Commons to Promote Global Justice: Climate Change Mitigation and Rent Taxation. In: Kanbur, R., Shue, H. (eds): *Climate Justice - Integrating Economics and Philosophy*. Oxford University Press, 43-62.

2018

ISI Publications

Dao, N. T., & Edenhofer, O. (2018): On the fiscal strategies of escaping poverty-environment traps towards sustainable growth. *Journal of Macroeconomics*, Volume 55, 253-273, doi: 10.1016/j.jmacro.2017.10.007.

Edenhofer, O., Steckel, J., Jakob, M., Bertram, C. (2018): Reports of coal's terminal decline may be exaggerated. *Environmental Research Letters*, Vol. 13 (2), doi: 10.1088/1748-9326/aaa3a2.

Franks, M., Klenert, D., Schultes, A., Lessmann, K., & Edenhofer, O. (2018): Is capital back? The role of land ownership and savings behavior. *International Tax and Public Finance*, doi: 10.1007/s10797-018-9486-3.

Franks, M., Lessmann, K., Jakob, M., Steckel, J. C., & Edenhofer, O. (2018): Mobilizing Domestic Resources for the Agenda 2030 via Carbon Pricing. *Nature Sustainability*, Vol. 1, Issue 7, 350-357, doi: 10.1038/s41893-018-0083-3.

Fuss, S., Flachsland, C., Koch, N., Kornek, U., Knopf, B., & Edenhofer, O. (2018): A framework for assessing the performance of cap-and-trade systems: Insights from the European Union Emissions Trading System. *Review of Environmental Economics and Policy*, Vol. 12, Issue 2, 220-241, doi: 10.1093/reep/rey010.

Jakob, M., Soria, R., Trinidad, C., Edenhofer, O., Bak, C., Bouille, D., Buira, D., Carlino, H., Gutman, V., Hübner, C., Knopf, B., Lucena, A., Santos, L., Scott, A., Steckel, J. C., Tanaka, K., Vogt-Schilb, A., & Yamada, K. (2018): Green fiscal reform for a just energy transition in Latin America. *Economics Discussion Paper*, No. 2018-86.

Klenert, D., Mattauch, L., Combet, E., Edenhofer, O., Hepburn, C., Rafaty, R., & Stern, N. (2018): Making carbon pricing work for citizens. *Nature Climate Change*, Vol. 8, 669–677, doi: 10.1038/s41558-018-0201-2.

Kriegler, E., Bertram, C., Kuramochi, T., Jakob, M., Pehl, M., Stevanovic, M., Höhne, N., Luderer, G., Minx, J., Fekete, H., Hilaire, J., Luna, L., Popp, A., Steckel, J., Sterl, S., Yalew, A., Dietrich, J., & Edenhofer, O. (2018): Short term policies to keep the door open for Paris climate goals. *Environmental Research Letters*, doi: 10.1088/1748-9326/aac4f1.

Mattauch, L., Siegmeier, J., Edenhofer, O., & Creutzig, F. (2018): Financing public capital when rents are back: a macroeconomic Henry George Theorem. *Finanzarchiv: Public Finance Analysis*, 74(3), 340-360, doi: 10.1628/fa-2018-0011.

Nguyen, T. D., Edenhofer, O. (2018): Feldstein meets George: Land rent taxation and socially optimal allocation in economies with environmental externality. *Resource and Energy Economics (in press)*, doi: 10.1016/j.reseneeco.2018.02.005.

Schultes, A., Leimbach, M., Luderer, G., Pietzcker, R. C., Baumstark, L., Bauer, N., Kriegler, E., & Edenhofer, O. (2018): Optimal international technology cooperation for the low-carbon transformation. *Climate Policy*, doi: 10.1080/14693062.2017.1409190.

Siegmeier, J., Mattauch, L., & Edenhofer, O. (2018): Capital beats coal: How collecting the climate rent increases aggregate investment. *Journal of Environmental Economics and Management*, 88, 366-378, doi: 10.1016/j.jeem.2017.12.006.

Strefler, J., Bauer, N., Kriegler, E., Popp, A., Giannousakis, A., & Edenhofer, O. (2018): Between Scylla and Charybdis: Delayed mitigation narrows the passage between large-scale CDR and high costs. *Environmental Research Letters*, doi: 10.1088/1748-9326/aab2ba.

Non-ISI Publications

Amezquita, A. M. A., Bento, A., Caney, S., De la Croix, D., Dasgupta, P., Edenhofer, O., Flachsland, C., Forsu, A., Klenert, D., Lempert, R., Leroux, J., Lessmann, K., Liu, J., Mattauch, L., Perrings, C., Schwerhoff, G., Seyboth, K., Steckel, J., & Strefler, J. (2018): Economic Growth, Human Development and Welfare. In: *Rethinking Society for the 21st Century*, Cambridge University Press, Volume 1, 141-186, doi: 10.1017/9781108399623.005.

Edenhofer, O. (2018): Der Kampf für die globalen Gemeinschaftsgüter. In: *Concilium*, 5/2018. 491-499.

- Edenhofer, O. (2018): Klima, Kohle, Kapital. In: Dürnberger, M. (eds.), *Angst? Salzburger Hochschulwochen*. Tyrolia-Verlag, 7-19.
- Edenhofer, O. (2018): Klima, Kohle, Kapital: Ökonomische Hebel in der internationalen Klimapolitik. *Aus Politik und Zeitgeschichte*, 21–23/2018.
- Edenhofer, O. (2018): Der Kampf für die globalen Gemeinschaftsgüter. In: Hogan, L., Vila-Cha, J., Orobator, A. (eds.), *Ökologie und Theologie der Natur, concilium*, Heft 5, Grünewald-Verlag, 491-499.
- Edenhofer, O., Flachsland, C., & Schmid, L. K. (2018): Wie der Emissionshandel wieder zur zentralen Säule der europäischen Klimapolitik werden kann. In: Angrick, M., Kühleis, C., Landgrebe, J., & Weiß, J. (eds.), *12 Jahre Europäischer Emissionshandel in Deutschland - Bilanz und Perspektiven für einen wirkungsvollen Klimaschutz*. Metropolis Verlag, 217-244.
- Edenhofer O., Kalkuhl M., & Hagedorn J. (2018): Steigende Bodenrenten, Vermögensungleichheiten und politische Handlungsmöglichkeiten. In: Emunds, B., Czingon, C., & Wolff, M. (eds.), *Stadtluft macht reich/arm - Stadtentwicklung, soziale Ungleichheit und Raumgerechtigkeit, Die Wirtschaft der Gesellschaft Jahrbuch 4*. Metropolis-Verlag, 249-276.
- Edenhofer, O., Vinke, K., & Schewe, J. (2018): Warum Sicherheitspolitik auf eine effektive Klimapolitik angewiesen ist. In: Messner, D., Meyer, L., & Mair, S. (eds.), *Deutschland und die Welt 2030*. Ullstein Buchverlag, 164-175.
- Jakob, M., Edenhofer, O., Kornek, U., Lenzi, D. & Minx, J. (2018): Governing the commons to Promote Global Justice: Climate Change Mitigation and Rent Taxation. In: Kanbur, R. & Shue, H. (eds.), *Climate Justice, Integrating Economics and Philosophy*, Oxford, 43-62.
- Knopf, B., Burghaus, K., Flachsland, C., Jakob, M., Koch, N., & Edenhofer O. (2018): Shifting Paradigms in Carbon Pricing. *Intereconomics*, Vol. 52, Number 3, 135-140, doi: 10.1007/s10272-018-0735-6.
- Edenhofer O., Kalkuhl M., & Hagedorn J. (2018): Steigende Bodenrenten, Vermögensungleichheiten und politische Handlungsmöglichkeiten. In: Emunds, B., Czingon, C., & Wolff, M. (eds.), *Stadtluft macht reich/arm - Stadtentwicklung, soziale Ungleichheit und Raumgerechtigkeit, Die Wirtschaft der Gesellschaft Jahrbuch 4*, Metropolis-Verlag, Marburg.

Newspaper and Magazines

- Edenhofer, O. (2018): Wir könnten als eine der verantwortungslosesten Generationen in die Geschichte eingehen. In: *Anders besser leben - Lebensstile für eine lebenswerte Welt*.
- Edenhofer, O., & Rockström, J. (2018): Charge €30 a tonne for CO2 to avoid catastrophic 4C warming. In: *The Guardian* (05.10.2018).
- Edenhofer, O., Schellnhuber, H. J. (2018): Der letzte Kredit. In: *DIE ZEIT* (04/2018).
- Ein Artikel zum Vortrag (2018): Eine Badewanne CO2. In: *MittelMarkLinks* (01/2018), 3.

2017

ISI Publications

- Bak, C., Bhattacharya, A., Edenhofer, O., & Knopf, B. (2017): Towards a comprehensive approach to climate policy, sustainable infrastructure, and finance. *Economics E-Journal, Discussion Paper*, 2017-41.

Dao, N. T., Burghaus, K., & Edenhofer, O. (2017): Self-Enforcing Intergenerational Social Contracts for Pareto Improving Pollution Mitigation. *Environmental and Resource Economics*, doi: 10.1007/s10640-017-0155-2.

Edenhofer, O., Knopf, B., Bak, C., & Bhattacharya, A. (2017): Aligning climate policy with finance ministers' G20 agenda. *Nature Climate Change, Commentary*, 7, 463-465, doi: 10.1038/nclimate3331.

Fuss, S., Flachsland, C., Koch, N., Kornek, K., Knopf, B., & Edenhofer, O. (2017): An assessment framework for intertemporal economic performance of cap-and-trade systems: lessons from the EU-ETS. *Review of Environmental Economics and Policy* (accepted).

Kornek, U., Steckel, J. C., Lessmann, K., & Edenhofer, O. (2017): The climate rent curse: New challenges for burden sharing. *International Environmental Agreements: Politics, Law and Economics*, doi: 10.1007/s10784-017-9352-2.

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Non-ISI Publications

Edenhofer, O. (1990): Überlegungen zur "Architektur" eines Hospizes. edition CHV, 2. München: Christophorus Hospiz-Verein.

CURRENT PhDs

Marcel Dorsch	Preliminary title of PhD thesis: "Politisierung des Gemeinsamen. Internationale Politik und die Global Commons"
Christian Gambardella	Preliminary title of PhD thesis: "A Renewable Energy Dominated Power Market: Challenges & Solutions for Market Design and Policy Instruments"
Anastasis Giannousakis	Preliminary title of PhD thesis: "The impact of socioeconomic uncertainty on climate mitigation strategies"
Kristine Karstens	Preliminary title of PhD thesis: "Soil carbon management as a potential carbon dioxide removal technology"
Antoine Levesque	Preliminary title of PhD thesis: "Demand-side mitigation policies: the role of the building sector"
Aman Malik	Preliminary title of PhD thesis: "Post Paris policy analysis in ReMIND"
Eva-Maria Mauer	Preliminary title of PhD thesis: "Challenges of carbon pricing"
Abhijeet Mishra	Preliminary title of PhD thesis: "Forestry and climate change in an integrated assessment perspective "
Michaja Pehl	Preliminary title of PhD thesis: "Climate Change Implications on Industrial Energy and Material Flows"
Alexander Radebach	Preliminary title of PhD thesis: "Network-theoretic instruments for macroeconomic sustainability assessment"
Sebastian Rauner	Preliminary title of PhD thesis: "Environmental impact assessment in energy-economy-climate models"
Niklas Roming	Preliminary title of PhD thesis: "Structural Change and Economic Growth"
Christina Roolfs	Preliminary title of PhD thesis: "New perspectives on beneficial federal-state interactions for global public good provision. A modelling approach"
Emilie Rosenlund Soysal	Preliminary title of PhD thesis: "Financial Market Failures and their Implications for Energy Policy"
Marianna Rottoli	Preliminary title of PhD thesis: "Decarbonisation of transport sector in the context of a global model"
Hendrik Schuldt	Preliminary title of PhD thesis: "Financial market failures, investor behavior, and their implications for climate policy"
Christoph von Stechow	Preliminary title of PhD thesis: "Scientific Policy Advice on Renewable Energy Technologies - Analysis of Science Assessments"
Oliver Tietjen	Preliminary title of PhD thesis: "Das Strommarktdesign der Zukunft bei hohen Anteilen erneuerbarer Energien"

FINISHED PhDs

Author: **Ulrich Kreidenweis**
Title: The future of global land-use: Model-based assessment of policy options to reverse forest loss, mitigate climate change and safeguard biodiversity
Submission: September 2018

Author: **Christopher Bren d'Amour**
Title: Urbanization and food systems
Submission: March 2018

Author: **Jennifer Gerard**
Title: Stakeholder Engagement at the Science-Policy Interface, Analyzing Global Environmental Assessments and Deliberation Platforms
Submission: November 2018

Author: **Hauke Ward**
Title: The Role of Efficient Technology for Achieving Climate Change Mitigation and Development
Submission: June 2017

Author: **Johanna Wehkamp**
Title: Institutional and Fiscal Policies for Forest Conservation
Submission: May 2017

Author: **Fabian Joas**
Title: Challenges of the Energiewende from a Policy Analysis Perspective: Understanding the goals and improving the policy instruments of Germany's energy transition
Submission: September 2016

Author: **Miodrag Stevanovic**
Title: Direct and Indirect Climate Change Impacts in the Land-Use Sector
Submission: August 2016

Author: **Anne Zimmer**
Title: Climate Policy in Developing Countries - Drivers, Policy Instruments and Implementation Challenges
Submission: September 2016

Author: **Jan Siegmeier**
Title: Public Economics and Climate Change Mitigation: The Role of Rent Taxation and Infrastructure Policy
Submission: May 2016

Author: **Blanca Fernandez Milan**
Title: Making urban policies sustainable: long-term benefits of urban planning and fiscal policies
Submission: April 2016

- Author: **David Christian Klenert**
 Title: Common Goods & Distribution: Public Finance and Environmental Policy in an Unequal World
 Submission: March 2016
- Author: **Godefroy Grosjean**
 Title: Reforming the European Union Emissions Trading System (EU ETS): An Institutional Perspective
 Submission: March 2016
- Author: **Maximilian Franks**
 Title: Rents, Taxes, and Distribution: Towards a New Public Economics of Climate Change
 Submission: January 2016
- Author: **Anselm Schultes**
 Title: At the Frontiers of Integrated Assessment of Climate Change: Distribution, Technology policy, and Land
 Submission: February 2016
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 Title: Strategies for a future European power system with high shares of renewable energy: A model-based analysis focusing on uncertainty
 Submission: December 2015
- Author: **Linus Mattauch**
 Title: Rent and Redistribution. The welfare implications of financing low-carbon public investment
 Submission: March 2015
- Author: **Christoph Bertram**
 Title: The effect of near-term climate policies on the achievability of ambitious long-term climate targets
 Submission: February 2015
- Author: **Florian Humpenöder**
 Title: Land-based climate change mitigation: modeling bioenergy production, afforestation and avoidance of deforestation
 Submission: February 2015
- Author: **Markus Borsch**
 Title: Land and water for agriculture - future prospects and trade-offs
 Submission: February 2015
- Author: **Falko Ueckerdt**
 Title: Integrating variable electricity supply from wind and solar PV into power systems
 Submission: May 2014
- Author: **Ulrike Kornek**
 Title: Designing International Climate Agreements: An Economic Analysis of Free-riding Incentives
 Submission: March 2014

- Author: **David Klein**
Title: Bioenergy Markets in a Climate Constrained World
Submission: March 2014
- Author: **Lion Hirth**
Title: The Economics of Wind & Solar Variability - How the Variability of Wind & Solar Power affect their Marginal Value, Optimal Deployment, and Integration Cost
Submission: March 2014
- Author: **Benjamin Bodirsky**
Title: Agricultural nitrogen pollution: the human food-print
Submission: March 2014
- Author: **Robert Pietzcker**
Title: Achieving stringent climate targets: An analysis of the role of transport and variable renewable energies using hybrid energy-economy-climate models
Submission: March 2014
- Author: **Jessica Strefler**
Title: Challenges for low stabilization of climate change: The complementarity of non-CO2 greenhouse gas and aerosol abatement to CO2 emission reductions
Submission: March 2014
- Author: **Odette Deuber**
Title: Metric choice for trading off short- and long-lived climate forcers – A transdisciplinary approach using the example of aviation
Submission: December 2013
- Author: **Sylvie Ludig**
Title: Renewable energy and CCS in German and European power sector decarbonization scenarios
Submission: January 2013
- Author: **Steffen Brunner**
Title: Climate policy, the state, and the problem credible commitment
Submission: September 2012
- Author: **Eva Schmid**
Title: On the Exploration of German Mitigation Scenarios
Submission: July 2012
- Author: **Thomas Präbler**
Title: Overcoming Barriers to Onshore and Offshore Wind Power Development – A Developers' Perspective on the Effect of Support Policies
Submission: October 2012
- Author: **Jan Steckel**
Title: Developing Countries in the Context of Climate Change Mitigation and Energy System Transformation
Submission: March 2012

- Author: **Martin Kowarsch**
 Title: "Refreshing Democracy" - Economic Assessments for Climate Policy in the Light of Pragmatist Philosophy
 Submission: July 2012
- Author: **Daniel Klingefeld**
 Title: On Strategies for Avoiding Dangerous Climate Change: Elements of a Global Carbon Market
 Submission: December 2011
- Author: **Matthias Kalkuhl**
 Title: The Calculus of Climate Policy: Carbon Pricing and Technology Policies for Climate Change Mitigation
 Submission: December 2011
- Author: **Alexander Lorenz**
 Title: Uncertainty & Learning in Global Climate Analysis
 Submission: November 2011
- Author: **Markus Haller**
 Title: Climate change and transition processes in developing countries: Integration of renewable energy sources in evolving energy systems
 Submission: November 2011
- Author: **Matthias Schmidt**
 Title: Climate Policy under Uncertainty
 Submission: August 2011
- Author: **Michael Jakob**
 Title: Reframing International Climate Policy: Essays on Development Issues and Fragmented Regimes
 Submission: June 2011
- Author: **Michael Pahle**
 Title: Investments in Liberalized Electricity Markets and the Low-Carbon Energy Transition: A Mixed-method Analysis of the German Case
 Submission: June 2011
- Author: **Lavinia Baumstark**
 Title: Investment Strategies for Climate Change
 Submission: June 2011
- Author: **Christian Flachsland**
 Title: Towards a Global Carbon Market? Linking Systems, Adding Sectors
 Submission: December 2010
- Author: **Robert Marschinski**
 Title: Climate Change Policy in a Second-Best World - An Analysis of Policy Options under Conditions of Partial Cooperation and Uncertainty
 Submission: December 2010

Author: **Michael Lüken**
Title: Distributive Impacts of Global Climate Change Mitigation - Effects of Technology, Emission Permit Allocation and Energy Trade
Submission: November 2010

Author: **Kai Lessmann**
Title: Endogenous Technological Change in Strategies for Mitigating Climate Change
Submission: 2009

Author: **Elmar Kriegler**
Title: Imprecise probability analysis for integrated assessment of climate change
Submission: 2005

Author: **Nico Bauer**
Title: Carbon Capturing and Sequestration - An Option to Buy Time?
Submission: January 2005

Author: **Katrin Gerlinger**
Title: Muster globaler anthropogener CO₂-Emissionen. Sozio-ökonomische Determinanten und ihre Wirkung
Submission: June 2004

PROJECTS

- Title: Energiewende-Navigationssystem zur Erfassung, Analyse und Simulation der systemischen Vernetzungen (ENavi)
Duration: October 2016 – September 2019
Budget: 1,600,000 € funded by BMBF
- Title: Linking Climate and Development Policies - Leveraging International Networks and Knowledge Sharing (CD-Links)
Duration: September 2015 until August 2019
Budget: 613,511 € funded by EU, H2020
- Title: Contextualizing Climate Engineering and Mitigation: Complement, Substitute or Illusion? (CEMICS)
Duration: April 2014 until March 2017
Budget: 110,950 € funded by DFG - Deutsche Forschungsgemeinschaft: Schwerpunktprogramm
- Title: Institutionally and technologically consistent energy strategies for a decentral or centrally organized energy transition in Germany (De.zentral)
Duration: September 2013 until August 2016
Budget: 329,322 € funded by BMBF
- Title: Economic Growth Impacts of Climate Change (ENGAGE)
Duration: March 2016 until February 2019
Budget: 980,843 € funded by Leibniz-Gemeinschaft
- Title: Advanced Model Development and Validation for the Improved Analysis of Costs and Impacts of Mitigation Policies (ADVANCE)
Duration: January 2013 until December 2016
Budget: 1,301,540 € funded by EU
- Title: Economic iNsTRuments to Achieve Climate Targets in Europe (ENTRACTE)
Duration: September 2012 until August 2015
Budget: 344,662 € funded by EU
- Titel: Sustainable Manufacturing – Globale Wertschöpfung nachhaltig gestalten (Head of sub-project A04, Collaborative Research Centre 1026)
Duration: January 2012 until December 2015
Budget: 287,394 € funded by DFG
- Title: Cost of expanding Renewable Energy
Duration: February to June 2012
Budget: 44,536 € funded by German Federal Environment Agency (UBA)
- Title: Assessing the Green Paradox (Green Paradox)
Duration: October 2011 until September 2014
Budget: 249,818 € funded by German Federal Ministry on Education and Research

Title: Low climate IMPact scenarios and the Implications of required Tight emission control Strategies (LIMITS)
 Duration: October 2011 until September 2014
 Budget: 573,000 € funded by EU

Title: Climate Policy and the Growth Pattern of Nations (CliPoN)
 Duration: September 2011 until August 2014
 Budget: 318,799 € funded by German Federal Ministry on Education and Research

Title: Climate Policy in a Reluctant World (CReW)
 Duration: September 2011 until August 2014
 Budget: 430,000 € funded by German Federal Ministry on Education and Research

Title: Impact quantification of global changes (Global IQ)
 Duration: August 2011 until July 2014
 Budget: 397,380 € funded by EU

Title: Promotionsvorhaben: Kooperative Klimapolitik nach Kopenhagen (Klimapolitik)
 Duration: June 2011 until May 2014
 Budget: 85,000 € funded by Kurt Lange Stiftung

Title: Energy scenarios for German nuclear phase-out (Scenarios on Nuclear Phase-Out Friedrich-Ebert-Stiftung)
 Duration: May until June 2011
 Budget: 35,000 € funded by Friedrich-Ebert Stiftung

Title: Promotionsvorhaben: Die Rolle nachfrageseitiger Energieeffizienz im Kontext kostenoptimaler Klimaschutzstrategien (Energieeffizienz)
 Duration: April 2011 until March 2014
 Budget: 85,000 € funded by Kurt Lange Stiftung

Title: Assessment of Climate Change Mitigation Pathways and Evaluation of the Robustness of Mitigation Cost Estimates (AMPERE)
 Duration: February 2011 until January 2014
 Budget: 706,680 € funded by EU

Title: Szenarien zur Darstellung der Machbarkeit von 2 Grad-Emissionsminderungs-szenarien - Technologien, Kosten, Potenziale - international/regional (UBA 2)
 Duration: January 2011 until March 2013
 Budget: 157,388 € funded by Umweltbundesamt (UBA)

Title: Enhancing Robustness and Model Integration for The Assessment of Global Environmental Change (ERMITAGE)
 Duration: December 2010 until November 2013
 Budget: 413,101 € funded by EU

Title: Klimaschutz, Entwicklung und Gerechtigkeit: Dekarbonisierung in Entwicklungs- und Schwellenländern (EntDekEn)
 Duration: August 2010 until July 2013
 Budget: 500,000 € funded by BMBF

Title: Visions of land use transitions in Europe (VOLANTE)
 Duration: January 2010 until April 2015
 Budget: 170,463 € funded by EU

Title: Globale Abschätzung der Auswirkungen von Landnutzungsänderungen auf Treibhausgasemissionen und Ökosystemare Dienstleistungen - Klima- und Landnutzungsszenarien (GLUES-RD3)
 Duration: January 2010 until December 2014
 Budget: 2,759,522 € funded by BMBF

Title: WGL Initiative for Research and Innovation, "ZEW Pakt" (Economy of an integrated and long-term climate and energy policy)
 Duration: January 2010 until December 2012
 Budget: 325,000 €

Title: Roadmaps towards Sustainable Energy Futures (RoSE)
 Duration: January 2010 until December 2012
 Budget: 545,000€ funded by Stiftung Mercator

Title: Climate policy outreach on integrated assessment modeling (EuropeAid)
 Duration: January 2010 - December 2012
 Budget: 70,500 € funded by the European Commission

Title: Potsdamer Forschungs- und Technologieverbund zu Naturgefahren, Klimawandel und Nachhaltigkeit (Progress), Teilprojekt D1: Systemanalytische Ansätze in der Risikoforschung
 Duration: November 2009 until October 2014
 Budget: 193,447 € funded by BMBF

Title: Forum on Economics of Climate Change - Post-Copenhagen (GTZ Post-Copenhagen)
 Duration: December 2009 - March 2010
 Budget: 10,000 € funded by the GTZ

Title: Car Industry, road Transport and an International Emission trading Scheme - policy options (CITIES)
 Duration: November 2009 until December 2010
 Budget: 80,000 € funded by BMW

Title: Learning Rates of Low Carbon Technologies (Learning Rates)
 Duration: November 2009 - March 2010
 Budget: 40,000 € funded by EU

Title: Forum on Economics of Climate Change – Synthesebericht (GTZ Synthesebericht)
 Duration: November - December 2009
 Budget: 30,000 € funded by the GTZ

Title: Europäische Vulnerabilitätskartierung für den SOER 2010 (SOER 2010)
 Duration: July 2009 until December 2009
 Budget: 39,911 € for PIK funded by Umweltbundesamt (UBA)

Title: European Network engaging Civil society in Low Carbon scenarios (ENCI-LowCarb)
 Duration: April 2009 until October 2011
 Budget: 110,000 € funded by EU

Title: Wissenschaftleraustausch PIK-Beijing
 Duration: April 2009 until September 2009
 Budget: 25,000 € funded by the Mercator Foundation

Title: Kosten- und Modellvergleich langfristiger Klimaschutzpfade
 Duration: March 2009 until December 2010
 Budget: 130,000 € funded by Umweltbundesamt (UBA)

Title: China und die globale Klimapolitik: Perspektiven und Herausforderungen (China Klimapolitik)
 Duration: February 2009 until September 2009
 Budget: 17,000 € funded by Gesellschaft für Technische Zusammenarbeit (GTZ)

Title: Growth and Sustainability - Towards a Global Green Recovery - recommendations for immediate G20 action (Growth and Sustainability)
 Duration: February/March 2009
 Budget: 55,000 € funded by Auswärtiges Amt

Title: Auswirkung weltweit expandierter Biomasse-Nutzung auf Ökonomie, Klima und Biodiversität der Erde (Bio Energy Planet)
 Duration: January 2009 until December 2011
 Budget: 950,000 €

Title: China Economics of Climate Change - towards a low carbon economy
 Duration: October 2008 until April 2009
 Budget: 100,000 € funded by the Stockholm Environment Institute (SEI)

Title: Recent scientific findings on climate change: what is new since the finalization of the IPCC fourth assessment report (ECOFYS)
 Duration: August/September 2008
 Budget: 12,500 € for PIK funded by the European Commission

Title: Technical Support Unit für den Co-Vorsitzenden der Arbeitsgruppe III des Weltklimarates IPCC (IPCC-TSU)
 Duration: September 2008 until September 2015
 Budget: 5,985,440 € funded by BMBF

Title: Voraussetzungen zur Verknüpfung von regionalen Emissionshandelssystemen (Regionale Emissionshandelssysteme)
 Duration: October 2007 until December 2007
 Budget: 20,000 € funded by the Federal Foreign Office of Germany

Title: Kosteneffizienter Ausbau der Erneuerbaren Energien
 Duration: October 2007 until September 2010
 Budget: 180,000 € funded by Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (BMU)

Title: Report on Energy and Climate Policies in Europe (RECIPE)
 Duration: October 2007 until September 2009
 Budget: 500,000 € funded by Allianz and WWF

Title: Klimawandel und weltweite Armut: Klimapolitik als Baustein einer gerechten
 Globalisierung und nachhaltigen Armutsbekämpfung
 Duration: June 2007 - May 2010
 Budget: 520,000 € funded by Misereor and MunichRe Foundation

Title: Akteurshandeln und langfristige Investitionsentscheidungen im Klimaschutz (ALICE)
 Duration: March 2007 - May 2010
 Budget: 295,000 € funded by BMBF

Title: Wege zu einem globalen CO₂ Markt (Globaler CO2 Markt)
 Duration: December 2006 until February 2007
 Budget: 20.000 € funded by the Federal Foreign Office of Germany,

Title: A Global Contract on Climate Change (CONTRACT)
 Duration: June 2006 until December 2009
 Budget: 80,000 € funded by Ökosoziales Forum

Title: What poor information can tell (WIT)
 Duration: June 2006 until May 2009
 Budget: 210,000 €

Title: Adaptation and Mitigation Strategies: Supporting European Climate Policy (ADAM)
 Duration: March 2006 until February 2009 (3 years)
 Budget: 700,000 € funded by EU

Title: Cost-optimised Climate Stabilisation (OPTIKS)
 Duration: July 2005 until May 2007
 Budget: 200,000 € funded by the Federal Environmental Agency (UBA)

Title: Cost-efficient Climate Stabilisation (RECCS)
 Duration: July 2005 until April 2007
 Budget: 150,000 € funded by the Federal Environmental Agency (UBA)

Title: Economic and Technological Dimensions of Stabilising the Atmospheric Greenhouse
 Gas Concentration (IMCP)
 Duration: August 2004 until December 2005
 Budget: 30,000 € funded by Bundesministerium für Umwelt, Naturschutz und
 Reaktorsicherheit (BMU)

Title: Ocean sequestration of CO₂ and the transformation of the energy system (Ocean
 Sequestration)
 Duration: May 2003 until October 2006
 Budget: 661,000 € funded by Volkswagenstiftung

Title: Modelling, Reflecting and Communicating Possible Futures of Europe in the Context
 of Global Change (EUROPA)
 Duration: October 2000 until September 2005
 Budget: 1,970,046 € funded by BMBF

TEACHING

- 2019 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2018/2019 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2018 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2017/2018 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2017 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2016/2017 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2016 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2015/2016 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2015 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2014/2015 Climate change, Land Use and Infrastructures, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2014 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2013/2014 Climate change, Land Use and Infrastructures, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2013 Green Growth and New Models of Prosperity - Fairytale or Strategy?, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2012/2013 Climate change, land use and infrastructures, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2012 The Economics of Climate Change; Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2011/2012 Climate Change, Infrastructures and Urban Economics, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2011 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2010/2011 Geographic Economics, Agglomeration and Climate Change, Lecture, Technische Universität Berlin (Berlin Institute of Technology)
- 2010 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2009/2010 Climate Change and Geographical Economics, Lecture, Technische Universität Berlin (Berlin Institute of Technology)
- July 2009 The Economics of Atmospheric Stabilization and Towards a Global Contract on Climate Change, Summer School on Global Sustainability 2009, Santa Fe, USA

- 2009 The Challenge of Climate Change: Concepts, Methods, Solutions, Lecture, Technische Universität Berlin (Berlin Institute of Technology)
- 2008/2009 Einführung in die Ökonomie des Klimawandels - "Apocalypse Now or No?", Lecture, Technische Universität Berlin (Berlin Institute of Technology)
- 2008 Climate change and what to do about it with Peter Lemke Lecture, Alpbach Summer School, 14- 21 August 2008, Alpbach, Austria
- 2006 Mindtreks Summer School, Lecture, 10-16 September 2006, San Cassiano, Italy. Senior faculty member with Hans-Joachim Schellnhuber.
- 2006 Social-Cost-Benefit Analysis and the solution of global problems. with C. Kemfert, Humboldt-Universität zu Berlin
- 2005/2006 Inverse Methods in Climate Science and Economics. Lecture, with H. Held, S. Rahmstorf, Potsdam University
- 2005 Models of climate and energy policy with C. Kemfert, Humboldt-Universität zu Berlin
- 2004/2005 Regulation of innovation in energy markets, Lecture with H. Held, C.C. Jaeger, Potsdam University
- 2004 On the design of instruments for economic policies under uncertainty, Lecture with H. Held, C. C. Jaeger, Potsdam University
- 2003/2004 Roadmaps towards a sustainable energy and climate policy, Lecture with H. Held, C. C. Jaeger, Potsdam University
- 2003 Introduction to the Earth System, Lecture with H. Held, June 2003 Max Planck Research School on Earth System Modelling, MPI Hamburg