

# 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 to 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. It ranked first in Europe and fourth worldwide by the ICCG Climate Think Tank Ranking 2016 and 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 acatech as well as member of the German National Academy of Sciences Leopoldina, Section Economics and Empirical Social Sciences. In July 2018, Edenhofer was awarded the Romano Guardini Prize by the Katholische Akademie in Bayern (Catholic Academy in Bavaria). In 2020, he received the prestigious German Environmental Prize by the German Environmental Foundation (DBU) amongst others for his outstanding achievements in the field of carbon pricing.

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 "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 is considered a landmark report. It laid 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. The working visit of Federal Chancellor Merkel and Federal Chancellery Minister Braun to the Potsdam Institute for Climate Impact Research in 2019 once again proved the high relevance and excellence of the policy advice provided by Edenhofer. Edenhofer has succeeded in providing excellent policy advice. His expertise is regularly requested by top decision makers. In Germany these included in the past years, for example, Finance Minister and Vice Chancellor Scholz, Foreign Minister Maas, Minister of Science of Brandenburg Schüle, the party leaderships of the CDU, FDP and the Greens as well as representatives of the Bundesbank. The Federal Government appointed him, together with the lawyer Sabine Schlacke, Chair of the Climate Protection Science Platform, which has the mandate to monitor the implementation of the climate package and to make respective proposals. On the international stage, Edenhofer is in regular contact with the European Commission, government representatives and institutions such as the European Central Bank and the World Bank. In 2020, he met amongst others with the Finance Ministers of the Eurogroup. In December 2020, Ottmar Edenhofer was appointed a consultor of the Vatican's "Dicastery for Promoting Integral Human Development", created by Pope Francis a few years ago. The dicastery's mission is to strengthen justice for refugees and stateless people who have had to leave their homes due to violence, economic crises or natural disasters, as well as promoting justice for the sick and poor.

Edenhofer's expertise is also in high demand in the business world: He advises f. ex. the world's largest automobile manufacturer Volkswagen, railway company Deutsche Bahn, the German labour union IG Metall as well as insurance companies and banks to develop concepts for climate protection and sustainability.

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 was a member of the OECD Advisory Council "Growth, Investment and the Low-Carbon Transition". Further, he is 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 was 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 in 2019 and 2020 among the 10 most influential economists in Germany, in 2021 he was ranked on place 15. Ottmar Edenhofer belonged to the 1% of the most cited scientists worldwide in the category "interdisciplinary science" according to the Web of Science citation index. He has published articles in Science, PNAS, Nature, Nature Climate Change, European Economic Review, 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 43 in Scopus, 42 in ISI Web of Science and 67 in Google Scholar. 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.

Edenhofer supervised 52 successfully completed PhD projects and currently supervises 23 PhD students. His former PhD students received prestigious prizes for their dissertations and some of them have been appointed to professorships in the meantime.

## EDUCATION

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

## CAREER

- since 2018 — Director of the Potsdam Institute for Climate Impact Research
- since 2012 — Director of Mercator Research Institute on Global Commons and Climate Change (MCC)
- 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
- 2007 - 2018 — Co-Chair and initiator of the new research strategy of research department 3 Sustainable Solutions at the Potsdam Institute for Climate Impact Research
- 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
- 2007 — Advisor to the Federal Foreign Office on questions of global climate change
- since 2005 — Chief Economist of 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.
- 2000 - 2005 — Deputy Chair of research domain Social Systems at the Potsdam Institute for Climate Impact Research
- 1994 - 2000 — Assistant at the Institute for Sociology at the Technische Universität Darmstadt
- 1991 - 1993 — Founder and director of humanitarian organization (Jesuit Refugee Service) in Croatia and Bosnia
- 1987 - 1994 — Member of Jesuit order
- 1982 - 1987 — Founding of public health company

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

### Policy and Business Advice

- Member of the *External Advisory Panel* for the OECD project on “Building Climate and Economic Resilience in the Transition to Low-carbon Economy”
- Co-Chair of the Steering Committee for the “Climate Protection Science Platform” of the German Federal Government
- Member of the Sustainability Advisory Board of the state of Brandenburg
- 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 Advisory Committee to *Princeton’s Carbon Mitigation Initiative CMI*
- Member of the *Science Advice for Policy by European Academies (SAPEA)* working group “A systemic approach to the energy transition in Europe”
- Co-chair of the *Food System Economics Commission (EAT)*
- Member of the *High-Level Advisory Group on Sustainable and Inclusive Recovery and Growth (HLAG)*
- 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”
- 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) until 2018

## 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 Council, ZEW – Leibniz Centre for European Economic Research
- Member of the Scientific Advisory Council, LSRI – Laudato Sí Research Institute
- Member of the Scientific Advisory Board, EUREF-Institute Berlin
- Member of the Forschungsforum Energiewende [Research Forum Energy Transition]
- Co-editor 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 Working Group for the Development of a Guideline for Political and Societal Consultancy in the Field of Environmental Sciences, Leibniz Association
- Member of the plenary assembly of the Central Committee of German Catholics

## Awards and Prizes

- Award of the Romano-Guardini-Prize (2018) by the Katholische Akademie in Bayern (Catholic Academy in Bavaria)
- Award of the German Environmental Prize by the Deutsche Bundesstiftung Umwelt (2020)
- in 2018 and 2020, Ottmar Edenhofer belonged to the 1% of the most cited scientists worldwide in the category "interdisciplinary science" according to the Web of Science citation index

## SELECTION OF THE MOST IMPORTANT PUBLICATIONS

### Publications

- Bauer, N., Bertram, C., Schultes, A., Klein, D., Luderer, G., Kriegler, E., Popp, A., & Edenhofer, O. (2020): Quantification of an efficiency – sovereignty trade-off in climate policy. *Nature*, Vol. 588, 261–266, doi: 10.1038/s41586-020-2982-5.
- Kornek, U. & Edenhofer, O. (2020): The strategic dimension of financing global public goods. *European Economic Review*, Vol. 127, 103423, doi: 10.1016/j.euroecorev.2020.103423.
- Kalkuhl, M., Steckel, J. C., & Edenhofer, O. (2020): All or nothing: Climate policy when assets can become stranded. *The Journal of Environmental Economics and Management*, Vol. 100, 102214, doi: 10.1016/j.jeem.2019.01.012.
- Steckel, J., Hilaire, J., Jakob, M., & Edenhofer, O. (2020): Coal and Carbonization in Sub-Saharan Africa. *Nature Climate Change*. Vol. 10, 83-88, doi: 10.1038/s41558-019-0649-8.
- Kalkuhl, M., Steckel, J. C., Montrone, L., Jakob, M., Peters, J., & Edenhofer, O. (2019): Successful coal phase-out requires new models of development. *Nature Energy*, Vol. 4, 897–900, doi: 10.1038/s41560-019-0500-5.
- 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, 2019 e1), doi: 10.1017/sus.2018.15.
- 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.
- 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.
- 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., Mattauch, L., & Siegmeier, J. (2015): Hypergeorgism: When Rent Taxation Is Socially Optimal. *Finanzarchiv: Public Finance Analysis*, 71(4), 474-505, doi: 10.1628/001522115X14425626525128.
- Edenhofer, O. & Kowarsch, M. (2015): Cartography of pathways: A new model for environmental policy assessments. *Environmental Science & Policy*, 51, 56-64, doi: 10.1016/j.envsci.2015.03.017.
- 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. & Minx, J. (2014): Mapmakers and navigators, facts and values. *Science*, 345(6192), 37-38, doi: 10.1126/science.1255998.
- 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 p.

### **Books**

- Edenhofer, O. & Jakob, M. (eds.) (2019): *Klimapolitik. Ziele, Konflikte, Lösungen*. 2nd, updated and extended edition. C.H. Beck Verlag, 144 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

2021

### ISI Publications

Schultes, A., Piontek, F., Sörgel, B., Rogelj, J., Baumstark, L., Kriegler, E., Edenhofer, O., Luderer, G. (2021, forthcoming): Economic damages from on-going climate change imply deeper near-term emission cuts, *Environmental Research Letters*, doi: 10.1088/1748-9326/ac27ce.

Osorio, S., Tietjen, O., Pahle, M., Pietzcker, R.C., Edenhofer, O. (2021): Reviewing the Market Stability Reserve in light of more ambitious EU ETS emission targets. *Energy Policy*, Vol. 158, 112530, doi: 10.1016/j.enpol.2021.112530.

Roofs, C., Gaitan, B., & Edenhofer, O. (2021): Make or brake — Rich states in voluntary federal emission pricing. *Journal of Environmental Economics and Management*, 102463, doi: 10.1016/j.jeem.2021.102463.

Kornek, U., Klenert, D., Edenhofer, O., & Fleurbaey, M. (2021): The social cost of carbon and inequality: When local redistribution shapes global carbon prices. *Journal of Environmental Economics and Management*, Vol. 107, 102450, doi: 10.1016/j.jeem.2021.102450.

Strefler, J., Luderer, G., Bauer, N., Kriegler, E., Pietzcker, R. C., Giannousakis, A., & Edenhofer, O. (2021): Alternative carbon price trajectories can avoid excessive carbon removal. *Nature Communications*, Vol. 12, 2264, doi: 10.1038/s41467-021-22211-2.

Bertram, C., Luderer, G., Creutzig, F., Bauer, N., Ueckerdt, F., Malik, A., & Edenhofer, O. (2021): COVID-19-induced low power demand and market forces starkly reduce CO<sub>2</sub> emissions. *Nature Climate Change*, Vol. 11, 193-196, doi: 10.1038/s41558-021-00987-x.

Edenhofer, O., Franks, M., & Kalkuhl, M. (2021): Pigou in the 21st Century: a tribute on the occasion of the 100th anniversary of the publication of *The Economics of Welfare*. *International Tax and Public Finance*, doi: 10.1007/s10797-020-09653-y.

### Non-ISI Publications

Boetius, A., Edenhofer, O. & Messner, D. (2021): Weichenstellungen für den Klimaschutz in den nächsten zwei Legislaturperioden. In: Grimm, V., Lang, J., Messner, D., Meyer, D., Meyer, L., Nikutta, S., Schaible, S. (eds.): *Deutschlands Neue Agenda – Die Transformation von Wirtschaft und Staat in eine klimaneutrale und digitale Gesellschaft*, Econ Verlag, 21-28.

Edenhofer, O., Kalkuhl, M., Roofs, C. (2021): Carbon Pricing and Revenue Recycling: An Overview of Vertical and Horizontal Equity Effects for Germany. *CESifo Forum* 22 (5), 10-14.

Edenhofer, O. (2021): „Langfristigkeit ist in der Klimapolitik das A und O“: Ein Gespräch mit Ottmar Edenhofer über die CO<sub>2</sub>-Bepreisung, das Klimaschutzgesetz, den europäischen Emissionshandel und den Vatikan. *Perspektiven der Wirtschaftspolitik*, doi: 10.1515/ppw-2021-0033.

Edenhofer, O. & Pahle, M. (2021): Eine CO<sub>2</sub>-freie Produktion als Ziel einer nachhaltigen Industrie. In: Wolfgang Lemb (ed.): *Perspektiven eines Industriemodells der Zukunft*, Metropolis-Verlag, Marburg, 41-51.

Edenhofer, O., Kosch, M., Pahle, M., & Zachmann, G. (2021): A whole-economy carbon price for Europe and how to get there. *Policy Contribution*, 06/21, Bruegel Think Tank, Saint-Josse-ten-Noode.

Pahle, M. & Edenhofer, O. (2021): Discretionary Intervention Destabilizes the EU Emissions Trading System: Evidence and Recommendations for a Rule-Based Cap Adjustment. *CESifo Forum* 22:3, 41-46.

Hänsel, M. C., Franks, M., Kalkuhl, M., & Edenhofer, O. (2021): Optimal Carbon Taxation and Horizontal Equity: A Welfare-Theoretic Approach with Application to German Household Data. *CESifo Working Paper No. 8931*.

Hänsel, M. C., Franks, M., Kalkuhl, M., & Edenhofer, O. (2021): Optimal Carbon Taxation and Horizontal Equity: A Welfare-Theoretic Approach with Application to German Household Data. *CEPA Discussion Papers, No. 28*, doi: 10.25932/publishup-49812.

Gaitan, B., Lessmann, K., & Edenhofer, O. (2021): Rent taxation, inequality and the cost of housing. *Working Paper*.

Roofcs, C., Gaitan, B., Edenhofer, O., & Lessmann, K. (2021): Technology Beats Capital - Sharing the Carbon Price Burden in Federal Europe. *Working Paper*.

Edenhofer, O., Lessmann, K., & Tahri, I. (2021): Asset Pricing and the Carbon Beta of Externalities. *CESifo Working Paper No. 9269*.

Edenhofer, O. (2021): Wachstum, Demokratie und internationale Kooperation – Wie der Klimaschutz gelingen kann. In: Ferber, M., Kaul, H. (eds.): *Bekanntnisse zur Verantwortung für die Umwelt*, Hanns Seidel Stiftung & Lau Verlag, 153-164.

Edenhofer, O. (2021, forthcoming): Weltklimarat. Intergovernmental Panel on Climate Change (IPCC). In: Oberreuter, H. (ed.): *Staatslexikon*, Bd. 6, Herder, Freiburg.

### **Newspaper and Magazines**

Bertram, C., Edenhofer, O., & Luderer, G. (2021) A Path to Zero. *Finance & Development Magazine*, Fall 2021, International Monetary Fund.

Edenhofer, O. (2021): Carbon pricing could be the Biden administration's climate tool. *The Hill* (20.01.2021).

Edenhofer, O. (2021): Auf neuen Wegen zu mehr Klimaschutz. *Handelsblatt* (19.03.2021).

Edenhofer, O. (2021): Streitgespräch: Wirtschaftswachstum und Klimakrise. *Süddeutsche Zeitung* (27.03.2021).

Edenhofer, O. (2021): Wie gerechte Klimapolitik funktioniert. *Handelsblatt* (16.06.2021).

## **2020**

### **ISI Publications**

Bauer, N., Bertram, C., Schultes, A., Klein, D., Luderer, G., Kriegler, E., Popp, A., & Edenhofer, O. (2020): Quantification of an efficiency – sovereignty trade-off in climate policy. *Nature*, Vol. 588, 261–266, doi: 10.1038/s41586-020-2982-5.

Jakob, M., Steckel, J. C., Jotzo, F., Sovacool, B. K., Cornelsen, L., Chandra, R., Edenhofer, O., Holden, C., Löschel, A., Nace, T., Robins, N., Suedekum, J., & Urpelainen, J. (2020): The future of coal in a carbon-constrained climate. *Nature Climate Change*, doi: 10.1038/s41558-020-0866-1.

Jakob, M., Lamb, W. F., Steckel, J. C., Flachsland, C., & Edenhofer, O. (2020): Understanding Different Perspectives on Economic Growth and Climate Policy. *WIREs Climate Change*, doi: 10.1002/wcc.677.

Ockenfels, A., Werner, P., & Edenhofer, O. (2020): Pricing externalities and moral behaviour. *Nature Sustainability*, doi: 10.1038/s41893-020-0554-1.

Creutzig, F., Javaid, A., Knopf, B., Koch, N., Mattioli, G., & Edenhofer, O. (2020): Adjust urban and rural road pricing for fair mobility. *Nature Climate Change*, Vol. 10, 591-594, doi: 10.1038/s41558-020-0793-1.

Kornek, U. & Edenhofer, O. (2020): The strategic dimension of financing global public goods. *European Economic Review*, Vol. 127, 103423, doi: 10.1016/j.euroecorev.2020.103423.

Osorio, S., Pietzcker, R. C., Pahle, M., & Edenhofer, O. (2020): How to deal with the risks of phasing out coal in Germany. *Energy Economics*, Vol. 87, 104730, doi: 10.1016/j.eneco.2020.104730.

Edenhofer, O., Kalkuhl, M., Requate, T., & Steckel, J.C. (2020): How assets get stranded: The impact of climate policy on capital and fossil fuel owners. Introduction to the JEEM special section on climate policy and political economy. *Journal of Environmental Economics and Management*, Vol. 100, 102300, doi: 10.1016/j.jeem.2020.102300.

Steckel, J., Hilaire, J., Jakob, M., & Edenhofer, O. (2020): Coal and Carbonization in Sub-Saharan Africa. *Nature Climate Change*. Vol. 10, 83-88, doi: 10.1038/s41558-019-0649-8.

Kornek, U., Flachsland, C., Kardish, C., Levi, S., & Edenhofer, O. (2020): What is important for achieving 2°C? UNFCCC and IPCC expert perceptions on obstacles and response options for climate change mitigation. *Environmental Research Letters*, Vol. 15:2, doi: 10.1088/1748-9326/ab639.

Kalkuhl, M., Steckel, J. C., & Edenhofer, O. (2020): All or nothing: Climate policy when assets can become stranded. *The Journal of Environmental Economics and Management*, Vol. 100, 102214, doi: 10.1016/j.jeem.2019.01.012.

DeClerck, F., Gaertner, J., Edenhofer, O., & Rockström, J. (2020): Planet-proofing the global food system. *Nature Food*, Vol. 1, 2020, 3-5, doi: 10.1038/s43016-019-0010-4.

### **Non-ISI Publications**

Edenhofer, O., Klein, C., Lessmann, K., & Wilkens, M. (2020): Wie der „Green Deal“ die richtigen Anreize setzen kann – Ein Vorschlag zur Ausgestaltung eines Fonds zur staatlichen Finanzierung nachhaltiger Unternehmen und Realinvestitionen. Working Paper.

Edenhofer, O. & Flachsland, C. (2020): Laudato si': Die Sorge um die globalen Gemeinschaftsgüter. In: Voges, S. (ed.): *Christlicher Schöpfungsglaube heute. Spirituelle Oase oder vergessene Verantwortung?*, Edition Weltkirche, Vol. 2, Matthias Grünewald Verlag, Ostfildern, 35-50.

Edenhofer, O. & Reiß-Schmidt, S. (2020): Volkswirtschaftliche Zusammenhänge und Auswirkungen einer globalisierten Bodenökonomie. In: *Deutsche Akademie für Städtebau und Landesplanung* (ed.): *Stadt Denken 4*, 30-39.

Franks, M. & Edenhofer, O. (2020): Optimal Redistributive Wealth Taxation When Wealth Is More Than Just Capital. CESifo Working Paper No. 8093.

Edenhofer, O., Kalkuhl, M., & Ockenfels, A. (2020): Das Klimaschutzprogramm der Bundesregierung: Eine Wende der deutschen Klimapolitik?. *Perspektiven der Wirtschaftspolitik*, Vol. 21:1, 4-18, doi: 10.1515/pwp-2020-0001.

Schwerhoff, G., Edenhofer, O., Fleurbaey, M. (2020, forthcoming): Equity and efficiency effects of land value taxation.

## Newspaper and Magazines

Edenhofer, O. (2020): Über die Nutzung des Bodens entscheiden sich Klimawandel und sozialer Zusammenhalt. Interview in: Rettich, S., Tastel, S. (eds.), *Die Bodenfrage - Klima, Ökonomie, Gemeinwohl*, 23-35.

Edenhofer, O. (2020): Badewanne ohne Ablauf. Professor Ottmar Edenhofer über den Klimawandel und wie man ihn aufhalten kann. *Misericordia*, 05/2020, 26-27.

Edenhofer, O. (2020): Die Systemfrage. *Klima, Kapitalismus, Kirche. Herder Korrespondenz S2/2020*, 50-52.

Edenhofer, O. & Feulner, G. (2020): Klimawandel – Risiken und Lösungswege. *euangel – magazin für missionarische pastoral*, 1(2020).

## 2019

### ISI Publications

Pahle, M., Zabel, C., Edenhofer, O., Fahl, U., Fischedick, M., Hufendiek, K., Knodt, M., Löschel, A., Luderer, G., Ober, S., Pietzcker, R., Renn, O., Schlacke, S., & Sensfuß, F. (2019): Interdisziplinärer Synthesebericht zum Kohleausstieg: ENavi informiert die Kohlekommission. *GAiA - Ecological Perspectives for Science and Society*, 28/1, 61-62, doi: 10.14512/gaia.28.1.15

Piontek, F., Kalkuhl, M., Kriegler, E., Schultes, A., Leimbach, M., Edenhofer, O., & Bauer, N. (2019): Economic Growth Effects of Alternative Climate Change Impact Channels in Economic Modeling. *Environmental and Resource Economics*, 73, 1357-1385, doi: 10.1007/s10640-018-00306-7

Kalkuhl, M., Steckel, J. C., Montrone, L., Jakob, M., Peters, J., & Edenhofer, O. (2019): Successful coal phase-out requires new models of development. *Nature Energy*, Vol. 4, 897-900, doi: 10.1038/s41560-019-0500-5.

Schwerhoff, G., Edenhofer, O., & Fleurbaey, M. (2019): Taxation of economic rents. *Journal of Economic Surveys*, Vol. 00, No. 0, 1-26, doi: 10.1111/joes.12340.

Edenhofer, O. & Flachsland, C. (2019): How to avoid history repeating itself: The case for an EU emissions trading scheme (EU ETS) price floor revisited. *Climate Policy*, Vol. 20:1, 133-142, doi: 10.1080/14693062.2019.1682494.

Schmidt, T. S., Steffen, B., Egli, F., Pahle, M., Tietjen, O., & Edenhofer, O. (2019): Adverse effects of rising interest rates on sustainable energy transitions. *Nature Sustainability*, Vol. 2, 879-885, doi: 10.1038/s41893-019-0375-2.

Tagliapietra, S., Zachmann, G., Edenhofer, O., Glachant, J.-M., Linares, P., & Loeschel, A. (2019): The European Union energy transition: key priorities for the next five years. *Energy Policy*, Vol. 132, 950-954, doi: 10.1016/j.enpol.2019.06.060.

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: The Open-Access, Open-Assessment E-Journal*, Vol. 13 (2019-17), 1–11, doi: 10.5018/economics-ejournal.ja.2019-17.

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., Alpízar, 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*, Vol. 2, 14-21, doi: 10.1038/s41893-018-0194-x.

### **Non-ISI Publications**

Edenhofer, O., Flachsland, C., Kalkuhl, M., Knopf, B., & Pahle, M. (2019): Bewertung des Klimapakets und nächste Schritte. Mercator Research Institute on Global Commons and Climate Change (MCC), Berlin, 16 p.

Edenhofer & O., Jakob, M. (eds.) (2019): Klimapolitik. Ziele, Konflikte, Lösungen. 2., aktualisierte und erweiterte Auflage. C.H. Beck Verlag, 144 p.

Edenhofer, O. & Mattauch, L. (2019): Können sich liberale Demokratien eine ambitionierte Klimapolitik leisten? In: Fücks, R. & Köhler, T. (eds.): Soziale Marktwirtschaft ökologisch erneuern. Ökologische Innovationen, wirtschaftliche Chancen und soziale Teilhabe in Zeiten des Klimawandels. Konrad-Adenauer-Stiftung e.V., Berlin, 37-59.

Edenhofer, O. & Kowarsch, M. (2019): Pascal's Wager Reframed: Toward Trustworthy Climate Policy Assessments for Risk Societies. In: Oreskes, N. (ed.): Why Trust Science? Princeton University Press, 191-201.

Pihl, E., Martin, M.A., Blome, T., Hebden, S., Jarzebski, M.P., Lambino, R.A., Köhler, C., Canadell, J.G., Ebi, K.L., Edenhofer, O., Gaffney, O., Rockström, J., Roy, J., Srivastava, L., Payne, D.R., Adler, C., Watts, S., Jacobsson, L., & Sonntag, S. (2019): 10 New Insights in Climate Science 2019. Future Earth & The Earth League, Stockholm.

Edenhofer, O., Flachsland, C., Kalkuhl, M., Knopf, B., & Pahle, M. (2019): Optionen für eine CO<sub>2</sub>-Preisreform - MCC-PIK-Expertise für den Sachverständigenrat zur Begutachtung der gesamtwirtschaftlichen Entwicklung.

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, doi: 10.1017/sus.2018.15.

Kornek, U., Klenert, D., Edenhofer, O., & Fleurbaey, M. (2019): The social cost of carbon and inequality: when local redistribution shapes global carbon prices. CESifo Working Paper No. 7628, April 2019.

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-Verlag, Marburg, 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.

### **Newspaper and Magazines**

Edenhofer, O. & Feulner, G. (2019): Klimarisiken - und was wir tun können. *Evangelische Verantwortung*, 9+10, 6-11.



Edenhofer, O. & Gärtner, J. (2019): Climate and christianity: the legacy of Pope John Paul II. *Academia - The Magazine of the Polish Academy of Sciences, Special Edition 1/6/2019*, 66-68.

Edenhofer, O. (2019): A Europe-wide carbon pricing system would send a strong signal. Interview in: *New Energy*, 65570, 32-25.

Pahle, M., Edenhofer, O., Pietzcker, R., Tietjen, O., Osorio, S., & Flachsland, C. (2019): Die unterschätzten Risiken des Kohleausstiegs. In: *et Energiewirtschaftliche Tagesfragen*, 6/2019, 31-34.

Edenhofer, O. (2019): Raus aus der Kohle - aber smart. In: *Süddeutsche Zeitung* (04.02.2019).

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

## 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/leep/rey010.

Jakob, M., Soria, R., Trinidad, C., Edenhofer, O., Bak, C., Bouille, D., Buirra, 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 CO<sub>2</sub> 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 CO<sub>2</sub>. 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.

Kowarsch, M., Jabbour, J., Flachsland, C., Kok, M. T. J., Watson, R., Haas, P. M., Minx, J. C., Alcamo, J., Garard, J., Riosset, P., Pinter, L., Langford, C., Yamineva, Y., Stechow, C. v., O'Reilly, J., & Edenhofer, O. (2017): A road map for global environmental assessments. *Nature Climate Change*, 7, 379-382, doi: 10.1038/nclimate3307.

Minx, J. C., Callaghan, M., Lamb, W. F., Garard, J., & Edenhofer, O. (2017): Learning about climate change solutions in the IPCC and beyond. *Environmental Science and Policy*, doi: 10.1016/j.envsci.2017.05.014.

Nemet, G. F., Jakob, M., Steckel, J. C., & Edenhofer, O. (2017): Addressing policy credibility problems for low-carbon investment. *Global Environmental Change*, 42, 47-57, doi: 10.1016/j.gloenvcha.2016.12.004.

## Non-ISI Publications

Cooper, R., Cramton, P., Dion, S., Edenhofer, O., Gollier, C., Laurent, È., MacKay, D. J. C., Nordhaus, W., Ockenfels, A., Stiglitz, J., & Stoff, S. (2017): Why Paris did not Solve the Climate Dilemma. In: Cramton, P., MacKay, D., Ockenfels, A., Stoff, S. (eds.), *Global Carbon Pricing. We Will if You Will*. Cambridge: MIT Press.

Edenhofer, O. (2017): Relevanz des CO<sub>2</sub>-Preises für nachhaltige Investments. In: *Absolutimpact*, 4, 22-27.

Edenhofer, O. & Flachslund, C. (2017): Laudato Si': Concern for our global commons. In: Miller, V.J. (ed.), *The Theological and Ecological Vision of Laudato Si': Everything is Connected*. Bloomsbury, 177-191.

Edenhofer, O. & Franks, M. (2017): Kann ein CO<sub>2</sub>-Preis nachhaltige Entwicklung finanzieren? In: Ischinger, W. & Messner, D. (eds.), *Deutschlands Neue Verantwortung - Die Zukunft der deutschen und europäischen Außen-, Entwicklungs- und Sicherheitspolitik*. Econ Verlag, 170-177.

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

Edenhofer, O. & Ockenfels, A. (2017): Climate Policy at an Impasse. In: Cramton, P., MacKay, D., Ockenfels, A., Stoff, S. (eds.), *Global Carbon Pricing. We Will if You Will*. Cambridge: MIT Press.

Edenhofer, O., Roofls, C., Gaitan, B., Nahmmacher, P., & Flachslund, C. (2017): Agreeing on an EU ETS price floor to foster solidarity, subsidiarity and efficiency in the EU. In: Vollebergh, P., Parry, I. W. H., Pittel, K. (eds.), *Energy Tax and Regulatory Policy in Europe*. Cambridge, Mass.: MIT Press.

Kriegler, E., Bauer, N., Popp, A., Humpenoder, F., Edenhofer, O. (2017): Fossil-fueled development (SSP5): An energy and resource intensive scenario for the 21st century. *Global Environmental Change*, 42, 297-315, doi: 10.1016/j.gloenvcha.2016.05.015.

Mattauch, L., Klenert, D., Stiglitz, J. E., & Edenhofer, O. (2017): Piketty meets Pasinetti: On public investment and intelligent machinery, Working Paper.

Pahle, M., Burtraw, D., Flachslund, C., Kelsey, N., Biber, E., Meckling, J., Edenhofer, O., & Zysman, J. (2017): What Stands in the Way Becomes the Way: Sequencing in Climate Policy to Ratchet Up Stringency Over Time. *Resources for the Future (RFF) Report*.

Schwerhoff, G., Nguyen, T. D., Edenhofer, O., Grimalda, G., Jakob, M., Klenert, D., & Siegmeier, J. (2017): Policy options for a socially balanced climate policy. *Economics Discussion Papers*, No 2017-34. Kiel Institute for the World Economy. doi: 10.5018/economics-ejournal.ja.2017-20.

Steckel, J. C., Schwerhoff, G., & Edenhofer, O. (2017): Enabling Low-Carbon Development in Poor Countries. In: Stark R., Seliger, G., & Bonvoisin, J. (eds.), *Sustainable Manufacturing - Challenges, Solutions and Implementation Perspectives*. Springer, 33-44.

## Newspaper and Magazines

Edenhofer, O., Ockenfels, A. (2017): Der Preis des Kohlenstoffs. In: *Frankfurter Allgemeine Zeitung* (17.11.2017).

Edenhofer, O. (2017): Was bringt eine CO<sub>2</sub>-Steuer?. In: *Publik-Forum*. Nr. 21 (10.11..2017), S. 9.

Jakob, M., Edenhofer, O. (2017): Trinkwasser für alle statt schmutzige Energie. In: *Zeit Online* (15.09.2017).

Edenhofer, O. (2017): Mehr als Klimapolitik. In: *Die Tagespost* (27.02.2017).

## ISI Publications

- Bauer, N., Mouratiadou, I., Luderer, G., Baumstark, L., Brecha, R. J., Edenhofer, O., & Kriegler, E. (2016): Global fossil energy markets and climate change mitigation - An analysis with REMIND. *Climatic Change*, 136(1), 69-82, doi: 10.1007/s10584-013-0901-6.
- Chan, G., Carraro, C., Edenhoffer, O., Kolstad, C., Stavins, R. (2016): Reforming The Ippc's Assessment Of Climate Change Economics. *Climate Change Economics*, 7, Nr. 01, 2016, doi: 10.1142/S2010007816400017
- Fuss, S., Chen, C., Jakob, M., Marxen, A., Rao, N. D., & Edenhofer, O. (2016): Could resource rents finance universal access to infrastructure? A first exploration of needs and rents. *Environment and Development Economics*, 21(6), 691-712, doi: 10.1017/S1355770X16000139.
- Hallegatte, S., Rogelj, J., Allen, M., Clarke, L., Edenhofer, O., Field, C. B., Friedlingstein, P., van Kesteren, L., Knutti, R., Mach, K. J., Mastrandrea, M., Michel, A., Minx, J., Oppenheimer, M., Plattner, G. K., Riahi, K., Schaeffer, M., Stocker, T. F., & van Vuuren, D. P. (2016): Mapping the climate change challenge. *Nature Climate Change*, 6(7), 663-668, doi: 10.1038/nclimate3057.
- Hirth, L., Ueckerdt, F., & Edenhofer, O. (2016): Why Wind Is Not Coal: On the Economics of Electricity Generation. *Energy Journal*, 37(3), 1-27, doi: 10.5547/01956574.37.3.lhir.
- 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.
- Klenert, D., Schwerhoff, G., Edenhofer, O., & Mattauch, L. (2016): Environmental taxation, inequality and Engel's law: the double dividend of redistribution. *Environmental and Resource Economics*, doi: 10.1007/s10640-016-0070-y.
- 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.
- Kriegler, E., Mouratiadou, I., Luderer, G., Bauer, N., Brecha, R. J., Calvin, K., De Cian, E., Edmonds, J., Jiang, K. J., Tavoni, M., & Edenhofer, O. (2016): Will economic growth and fossil fuel scarcity help or hinder climate stabilization? Overview of the RoSE multi-model study. *Climatic Change*, 136(1), 7-22, doi: 10.1007/s10584-016-1668-3.
- Kriegler, E., Mouratiadou, I., Luderer, G., Edmonds, J., & Edenhofer, O. (2016): Introduction to the RoSE special issue on the impact of economic growth and fossil fuel availability on climate protection. *Climatic Change*, 136(1), 1-6, doi: 10.1007/s10584-016-1667-4.
- Mattauch, L., Edenhofer, O., Klenert, D., & Benard, S. (2016): Distributional Effects of Public Investment when Wealth and Classes are Back. *Metroeconomica*, 67(3), 603-629, doi: 10.1111/meca.12117.
- Steckel, J. C., Jakob, M., Flachsland, C., Kornek, U., Lessmann, K., & Edenhofer, O. (2016): From climate finance toward sustainable development finance. *Wiley International Reviews: Climate Change*, 8(1), doi: 10.1002/wcc.437.

## Non-ISI Publications

Edenhofer, O., Flachsland, C., Hilaire, J., & Jakob, M. (2016): Den Klimawandel stoppen. Es gibt nicht zu wenig, sondern zu viel fossile Ressourcen - sie müssen in der Erde bleiben. In: Patenge, M, Beck, R., Luber, M. (eds.). Regensburg: Pustet, 30-34.

Edenhofer, O., Flachsland, C., & Kornek, U. (2016): Der Grundriss für ein neues Klimaregime. ifo Schnelldienst, 3: 11-15.

Edenhofer, O., Flachsland, C., & Kornek, U. (2016): Koordinierte CO<sub>2</sub>-Preise: zur Weiterentwicklung des Pariser Abkommens. In: Sommer, J., Müller, M. (eds.), Unter 2 Grad? Stuttgart: Hirzel, 69-78.

Edenhofer, O. & Kalkuhl, M. (2016): Von der Landnahme zur Aneignung Globaler Gemeinschaftsgüter. In: Emunds, B., Merkle, I. (eds.), Umweltgerechtigkeit. Marburg: Metropolis-Verlag, 307-329.

Edenhofer, O. & Kornek, U. (2016): Coordinated CO<sub>2</sub> Prices and Strategic Transfers. In: Stavins, R. N., Stowe, R. C. (eds.), The Paris Agreement and Beyond. Cambridge: Harvard Project on Climate Agreements, 65-67.

Kalkuhl, M. & Edenhofer, O. (2016): Knowing the Damages is not Enough: The General Equilibrium Impacts of Climate Change. CESifo Working Paper No. 5862, Category 10: Energy and Climate Economics. Munich: CESifo.

Kowarsch, M. & Edenhofer, O. (2016): Principles or Pathways? Improving the Contribution of Philosophical Ethics to Climate Policy. In: Heyward, C., Roser, D. (eds.), Climate Justice in a Non-Ideal World. Oxford: Oxford University Press, 296-318.

Kowarsch, M., Garard, J., Rioussel, P., Lenzi, D., Dorsch, M. J., Knopf, B., Harrs, J. A., & Edenhofer, O. (2016): Scientific assessments to facilitate deliberative policy learning. Palgrave Communications, 2.

Welman, J., Pethig, R., Hendricks, B., Edenhofer, Ottmar (2016): Anspruch und Wirklichkeit: Kann das Pariser Klimaabkommen funktionieren? ifo Schnelldienst, 69, Nr. 3: 03-29.

## 2015

### ISI Publications

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.

Carraro, C., Edenhofer, O., Flachsland, C., Kolstad, C., Stavins, R., & Stowe, R. (2015): The IPCC at a crossroads: Opportunities for reform. *Science*, 350(6256), 34-35, doi: 10.1126/science.aac4419.

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

Edenhofer, O., Flachsland, C., & Knopf, B. (2015): Science and religion in dialogue over the global commons. *Nature Climate Change*, 5(10), 907-909, doi: 10.1038/nclimate2798.

Edenhofer, O., Jakob, M., Creutzig, F., Flachsland, C., Fuss, S., Kowarsch, M., Lessmann, K., Mattauch, L., Siegmeier, J., & Steckel, J. C. (2015): Closing the emission price gap. *Global Environmental Change-Human and Policy Dimensions*, 31, 132-143, doi: 10.1016/j.gloenvcha.2015.01.003.

Edenhofer, O. & Kowarsch, M. (2015): Cartography of pathways: A new model for environmental policy assessments. *Environmental Science & Policy*, 51, 56-64, doi: 10.1016/j.envsci.2015.03.017.

- Edenhofer, O., Mattauch, L., & Siegmeier, J. (2015): Hypergeorgism: When Rent Taxation Is Socially Optimal. *Finanzarchiv: Public Finance Analysis*, 71(4), 474-505, doi: 10.1628/001522115X14425626525128.
- Franks, M., Edenhofer, O., & Lessmann, K. (2015): Why finance ministers favor carbon taxes, even if they do not take climate change into account. *Environmental and Resource Economics*, doi: 10.1007/s10640-015-9982-1.
- Hirth, L., Ueckerdt, F., & Edenhofer, O. (2015): Integration costs revisited - An economic framework for wind and solar variability. *Renewable Energy*, 74, 925-939, doi: 10.1016/j.renene.2014.08.065.
- Jakob, M., Chen, C., Fuss, S., Marxen, A., & Edenhofer, O. (2015): Development incentives for fossil fuel subsidy reform. *Nature Climate Change*, 5(8), 709-712, doi: 10.1038/nclimate2679.
- Jakob, M. & Edenhofer, O. (2015): Welfare with or without Growth? Do We Need to Reduce Economic Activity to Protect the Environment and Increase the Quality of Life? *GAIA - Ecological Perspectives for Science and Society*, 24(4), 240-242, doi: 10.14512/gaia.24.4.8.
- Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2015): The Role of Carbon Capture and Sequestration Policies for Climate Change Mitigation. *Environmental & Resource Economics*, 60(1), 55-80, doi: 10.1007/s10640-013-9757-5.
- Kriegler, E., Riahi, K., Bauer, N., Schwanitz, V. J., Petermann, N., Bosetti, V., Marcucci, A., Otto, S., Paroussos, L., Rao-Skirbekk, S., Curras, T. A., Ashina, S., Bollen, J., Eom, J., Hamdi-Cherif, M., Longden, T., Kitous, A., Mejean, A., Sano, F., Schaeffer, M., Wada, K., Capros, P., van Vuuren, D. P., Edenhofer, O., Bertram, C., Bibas, R., Edmonds, J., Johnson, N., Krey, V., Luderer, G., McCollum, D., & Jiang, K. J. (2015): A short note on integrated assessment modeling approaches: Rejoinder to the review of "Making or breaking climate targets - The AMPERE study on staged accession scenarios for climate policy". *Technological Forecasting and Social Change*, 99, 273-276, doi: 10.1016/j.techfore.2015.07.011.
- Kriegler, E., Riahi, K., Bauer, N., Schwanitz, V. J., Petermann, N., Bosetti, V., Marcucci, A., Otto, S., Paroussos, L., Rao, S., Curras, T. A., Ashina, S., Bollen, J., Eom, J., Hamdi-Cherif, M., Longden, T., Kitous, A., Mejean, A., Sano, F., Schaeffer, M., Wada, K., Capros, P., van Vuuren, D. P., & Edenhofer, O. (2015): Making or breaking climate targets: The AMPERE study on staged accession scenarios for climate policy. *Technological Forecasting and Social Change*, 90, 24-44, doi: 10.1016/j.techfore.2013.09.021.
- Kriegler, E., Riahi, K., Bosetti, V., Capros, P., Petermann, N., van Vuuren, D. P., Weyant, J. P., & Edenhofer, O. (2015): Introduction to the AMPERE model intercomparison studies on the economics of climate stabilization. *Technological Forecasting and Social Change*, 90, 1-7, doi: 10.1016/j.techfore.2014.10.012.
- Mattauch, L., Creutzig, F., & Edenhofer, O. (2015): Avoiding carbon lock-in: Policy options for advancing structural change. *Economic Modelling*, 50, 49-63, doi: 10.1016/j.econmod.2015.06.002.
- Riahi, K., Kriegler, E., Johnson, N., Bertram, C., den Elzen, M., Eom, J., Schaeffer, M., Edmonds, J., Isaac, M., Krey, V., Longden, T., Luderer, G., Mejean, A., McCollum, D. L., Mima, S., Turton, H., van Vuuren, D. P., Wada, K., Bosetti, V., Capros, P., Criqui, P., Hamdi-Cherif, M., Kainuma, M., & Edenhofer, O. (2015): Locked into Copenhagen pledges - Implications of short-term emission targets for the cost and feasibility of long-term climate goals. *Technological Forecasting and Social Change*, 90, 8-23, doi: 10.1016/j.techfore.2013.09.016.
- Stechow, C. v., McCollum, D., Riahi, K., Minx, J. C., Kriegler, E., van Vuuren, D. P., Jewell, J., Robledo-Abad, C., Hertwich, E., Tavoni, M., Mirasgedis, S., Lah, O., Roy, J., Mulugetta, Y., Dubash, N. K., Bollen, J., Urge-Vorsatz, D., & Edenhofer, O. (2015): Integrating Global Climate Change Mitigation Goals with Other Sustainability Objectives: A Synthesis. *Annual Review of Environment and Resources*, 40, 363-394, doi: 10.1146/annurev-environ-021113-095626.

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.

### **Non-ISI Publications**

Edenhofer, O. (2015): Global Decarbonisation - What role should Europe play? Conference proceedings to the German Federal Environment Agency (UBA) workshop. In: Donat, L., Duwe, M., Roberts, E. (eds.), Proceedings of the Workshop „Decarbonisation – 100 % Renewable Energy and more“ 9 November 2015 in Berlin. Umweltbundesamt, 23-30.

Edenhofer, O., Fishedick, M., & Löschel, A. (2015): Eine andere globale Klimapolitik? [Strategiegespräch]. Energiewirtschaftliche Tagesfragen, 65: 28-31.

Edenhofer, O. & Flachsland, C. (2015): Laudato si'. Stimmen der Zeit, 233: 579-591.

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.

Edenhofer, O., Kadner, S., & Minx, J. (2015): Ist das Zwei-Grad-Ziel wünschenswert und ist es noch erreichbar? Der Beitrag der Wissenschaft zu einer politischen Debatte. In: Stratmann, M., Marotzke, J. (eds.), Die Zukunft des Klimas. München: Beck, 69-92.

Edenhofer, O., Kadner, S., Stechow, C. v., & Minx, J. (2015): Au-delà de la limite de 2°C: faire face aux défis économiques et institutionnels. In: Barrett, S., Carraro, C., de Melo, J. (eds.), Vers une politique du climat réaliste et efficace. Clermont-Ferrand: Ferdi, 49-68.

Edenhofer, O., Kadner, S., Stechow, C. v., & Minx, J. C. (2015): Beyond the 2°C Limit: Facing the Economic and Institutional Challenges. In: Barrett, S., Carraro, C., de Melo, J. (eds.), Towards a Workable and Effective Climate Regime. London: CEPR Press, 49-68.

Edenhofer, O. & Kowarsch, M. (2015): Ausbruch aus dem stahlharten Gehäuse der Hörigkeit: ein neues Modell wissenschaftlicher Politikberatung. In: Weingart, P., Wagner, G. G. (eds.), Wissenschaftliche Politikberatung im Praxistest. Weilerswist-Metternich: Velbrück Wissenschaft, 83-106.

Franks, M., Edenhofer, O., & Lessmann, K. (2015): Why finance ministers favor carbon taxes, even if they do not take climate change into account. Harvard Project on Climate Agreements Discussion Paper Series, 2015-67. Cambridge: Harvard Project on Climate Agreements.

Siegmeier, J., Mattauch, L., & Edenhofer, O. (2015): Climate Policy Enhances Efficiency: A Macroeconomic Portfolio Effect. CESifo Working Paper No. 5161. Munich: CESifo.

Siegmeier, J., Mattauch, L., Franks, M., Klenert, D., Schultes, A., & Edenhofer, O. (2015): A Public Finance Perspective on Climate Policy: Six Interactions That May Enhance Welfare. Nota di lavoro, 31.2015. Milano: Fondazione Eni Enrico Mattei.

### **Newspaper and Magazines**

Edenhofer, O. (2015): Meinung: Kohle muss viel teurer werden. In: Spektrum.de - die Woche, 37. KW, 8-10.

Edenhofer, O. (2015): Entstellte Erde. In: DIE ZEIT, Nr. 26 (25.05.2015), 60-60.

Edenhofer, O. (2015): Warum das Grüne Paradox kein Irrtum ist. In: Frankfurter Allgemeine Zeitung, Nr. 25 (30.01.2015), 20-20.



## 2014

### ISI Publications

Edenhofer, O. (2014): Reforming emissions trading. *Nature Climate Change*, 4(8), 663-664, doi: 10.1038/nclimate2327.

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

Edenhofer, O., Steckel, J. C., & Jakob, M. (2014): Does Environmental Sustainability Contradict Prosperity? *Global Policy*, 5, 15-20, doi: 10.1111/1758-5899.12164.

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.

Jakob, M., Steckel, J. C., & Edenhofer, O. (2014): Consumption-Versus Production-Based Emission Policies. *Annual Review of Resource Economics*, 6, 297-318, doi: 10.1146/annurev-resource-100913-012342.

Jakob, M., Steckel, J. C., Klasen, S., Lay, J., Grunewald, N., Martinez-Zarzoso, I., Renner, S., & Edenhofer, O. (2014): Feasible mitigation actions in developing countries. *Nature Climate Change*, 4(11), 961-968, doi: 10.1038/nclimate2370.

Kalkuhl, M. & Edenhofer, O. (2014): Managing the climate rent: How can regulators implement intertemporally efficient mitigation policies? *Natural Resource Modeling*, 27(1), 25-60, doi: 10.1111/nrm.12018.

Klein, D., Luderer, G., Kriegler, E., Strefler, J., Bauer, N., Leimbach, M., Popp, A., Dietrich, J. P., Humpenoder, F., Lotze-Campen, H., & Edenhofer, O. (2014): The value of bioenergy in low stabilization scenarios: an assessment using REMIND-MAGPIE. *Climatic Change*, 123(3-4), 705-718, doi: 10.1007/s10584-013-0940-z.

Knopf, B., Pahle, M., Kondziella, H., Joas, F., Edenhofer, O., & Bruckner, T. (2014): Germany's Nuclear Phase-out: Sensitivities and Impacts on Electricity Prices and CO<sub>2</sub> Emissions. *Economics of Energy & Environmental Policy*, 3(1), 89-105, doi: 10.5547/2160-5890.3.1.bkno.

Koch, N., Fuss, S., Grosjean, G., & Edenhofer, O. (2014): Causes of the EU ETS price drop: Recession, CDM, renewable policies or a bit of everything? - New evidence. *Energy Policy*, 73, 676-685, doi: 10.1016/j.enpol.2014.06.024.

Lessmann, K., Marschinski, R., Finus, M., Kornek, U., & Edenhofer, O. (2014): Emissions trading with non-signatories in a climate agreement - An analysis of coalition stability. *Manchester School*, 82, 82-109, doi: 10.1111/manc.12045.

### Non-ISI Publications

Edenhofer, O. (2014): Navigationshilfe im Wettlauf gegen die Uhr - Fünfter Sachstandsbericht des Weltklimarats IPCC. *Politische Ökologie*, 32, 27-31.

Edenhofer, O. (2014): Geleitwort zur deutschen Ausgabe. In: Hulme, M. (eds.), *Streitfall Klimawandel*. München: Oekom, 14-18.

Edenhofer, O., Kadner, S., Stechow, C. v., Schwerhoff, G., & Luderer, G. (2014): Linking Climate Change Mitigation Research to Sustainable Development. In: Atkinson, G., Dietz, S. Neumayer, E. (eds.), *Handbook of Sustainable Development*. Cheltenham: Elgar, 476-499.

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., Kadner, S., Minx, J. C., Brunner, S., Agrawala, S., Baiocchi, G., Bashmakov, I. A., Blanco, G., Broome, J., Bruckner, T., Bustamante, M., Clarke, L., Conte Grand, M., Creutzig, F., Cruz-Núñez, X., Dhakal, S., Dubash, N. K., Eickemeier, P., Farahani, E., Fishedick, M., Fleurbaey, M., Gerlagh, R., Gómez-Echeverri, L., Gupta, S., Harnisch, J., Jiang, K., Jotzo, F., Kartha, S., Klasen, S., Kolstad, C., Krey, V., Kunreuther, H., Lucon, O., Masera, O., Mulugetta, Y., Norgaard, R., Patt, A., Ravindranath, N. H., Riahi, K., Roy, J., Sagar, A., Schaeffer, R., Schlömer, S., Seto, K., Seyboth, K., Sims, R., Smith, P., Somanathan, E., Stavins, R., Stechow, C. v., Sterner, T., Sugiyama, T., Suh, S., Urama, K., Ürge-Vorsatz, D., Venables, A., Victor, D. G., Weber, E., Zhou, D., Zou, J., & Zwickel, T. (2014): *Technical Summary*. In: 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.), *Climate Change 2014: Mitigation of Climate Change*. Cambridge: Cambridge University Press, 33-107.

Hirth, L., Ueckerdt, F., & Edenhofer, O. (2014): *Why wind is not coal: on the economics of electricity generation*. Note di lavoro, 2014.039. Milan: Fondazione Eni Enrico Mattei.

Jakob, M. & Edenhofer, O. (2014): *Multiple Objectives for the Governance of the Global Commons*. In: Rogall, H., Binswanger, H.-C., Ekarth, F., Grothe, A., Hasenclever, W.-D., Hauchler, I., Jänicke, M., Kollmann, K., Michaelis, N. V., Nutzinger, H. G., Scherhorn, G. (eds.), *Im Brennpunkt: Die Energiewende als gesellschaftlicher Transformationsprozess*. Marburg: Metropolis-Verlag, 139-172.

Klenert, D., Mattauch, L., Edenhofer, O., & Lessmann, K. (2014): *Infrastructure and inequality: Insights from incorporating key economic facts about household heterogeneity*. CESifo Working Paper No. 4972. Munich: CESifo.

Kowarsch, M. & Edenhofer, O. (2014): *Vom Umgang mit Wertekonflikten in wissenschaftlichen Gutachten zur Klimapolitik*. In: Steger, F. (eds.), *Bedroht Entscheidungsfreiheit Gesundheit und Nachhaltigkeit?*. Münster: Mentis, 139-163.

Mattauch, L., Edenhofer, O., Klenert, D., & Bénard, S. (2014): *Public Investment when Capital is Back - Distributional Effects of Heterogeneous Saving Behavior*. CESifo Working Paper No. 4714. München: CESifo.

Schwerhoff, G. & Edenhofer, O. (2014): *The Globalization Paradox Revisited*. CESifo Working Paper No. 4878. München: CESifo.

Thang Dao, N. & Edenhofer, O. (2014): *On the Fiscal Strategies of Escaping Poverty-Environment Traps (and) Towards Sustainable Growth*. CESifo Working Paper No. 4865. Munich: CESifo.

## 2013

### ISI Publications

Deuber, O., Luderer, G., & Edenhofer, O. (2013): *Physico-economic evaluation of climate metrics: A conceptual framework*. *Environmental Science & Policy*, 29, 37-45, doi: 10.1016/j.envsci.2013.01.018.

Edenhofer, O., Flachsland, C., Stavins, R., & Stowe, R. (2013): *Identifying Options for a New International Climate Regime Arising from the Durban Platform for Enhanced Action*. Policy Brief. Cambridge: Harvard Project on Climate Agreements.

- 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., Knopf, B., & Luderer, G. (2013): Reaping the benefits of renewables in a nonoptimal world. *Proceedings of the National Academy of Sciences of the United States of America*, 110(29), 11666-11667, doi: 10.1073/pnas.1310754110.
- 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.
- Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2013): Renewable energy subsidies: Second-best policy or fatal aberration for mitigation? *Resource and Energy Economics*, 35(3), 217-234, doi: 10.1016/j.reseneeco.2013.01.002.
- Kriegler, E., Edenhofer, O., Reuster, L., Luderer, G., & Klein, D. (2013): Is atmospheric carbon dioxide removal a game changer for climate change mitigation? *Climatic Change*, 118(1), 45-57, doi: 10.1007/s10584-012-0681-4.
- Kunreuther, H., Heal, G., Allen, M., Edenhofer, O., Field, C. B., & Yohe, G. (2013): Risk management and climate change. *Nature Climate Change*, 3(5), 447-450, doi: 10.1038/nclimate1740.
- Luderer, G., Pietzcker, R. C., Bertram, C., Kriegler, E., Meinshausen, M., & Edenhofer, O. (2013): Economic mitigation challenges: how further delay closes the door for achieving climate targets. *Environmental Research Letters*, 8(3), doi: 10.1088/1748-9326/8/3/034033.
- Pahle, M., Lessmann, K., Edenhofer, O., & Bauer, N. (2013): Investments in Imperfect Power Markets under Carbon Pricing: A Case Study Based Analysis. *Energy Journal*, 34(4), 199-227, doi: 10.5547/01956574.34.4.10.
- Ueckerdt, F., Hirth, L., Luderer, G., & Edenhofer, O. (2013): System LCOE: What are the costs of variable renewables? *Energy*, 63, 61-75, doi: 10.1016/j.energy.2013.10.072.

### **Non-ISI Publications**

- Edenhofer, O. (2013): Globale Klima- und Energiepolitik nach Durban. In: Schneckener, U., Lienkamp, A., Klagge, B., Scheliha, A. v. (eds.), *Wettstreit um Ressourcen*. München: Oekom, 61-74.
- Edenhofer, O. (2013): No Facts without Values, *Review of Environment, Energy and Economics*, 2013, url: <https://EconPapers.repec.org/RePEc:fem:femre3:2013.04-04>.
- Edenhofer, O. & Flachsland, C. (2013): Globale Energiewende. Dekarbonisierung der Wirtschaft. In: Leitschuh, H., Michelsen, G., Simonis, U. E., Sommer, J., Weizsäcker, E. U. v. (eds.), *Mut zu Visionen*. Stuttgart: Hirzel, 125-140.
- Edenhofer, O. & Flachsland, C. (2013): Globale Energiewende - Wege zu einer nachhaltigen Energieversorgung. In: Drenckhahn, D., Hacker, J. (eds.), *Rolle der Wissenschaft im Globalen Wandel*. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 275-295.
- Edenhofer, O., Flachsland, C., Jakob, M., & Lessmann, K. (2013): The Atmosphere as a Global Commons - Challenges for International Cooperation and Governance. Berlin: Mercator Institute on Global Commons and Climate Change.
- Edenhofer, O., Flachsland, C., Jakob, M., & Lessmann, K. (2013): The Atmosphere as a Global Commons - Challenges for International Cooperation and Governance. Discussion Paper, 13-58. Cambridge: Belfer Center for Science and International Affairs, John F. Kennedy School of Government.

- Edenhofer, O., Jakob, M., & Steckel, J. (2013): Wohlstand und ökologische Nachhaltigkeit - ein Widerspruch? ifo Schnelldienst, 66, 22-25.
- Edenhofer, O., Mattauch, L., & Siegmeier, J. (2013): Hypergeorgism: When is Rent Taxation as a Remedy for Insufficient Capital Accumulation Socially Optimal? CESifo Working Paper No. 4144. Munich: CESifo.
- Edenhofer, O. & Seyboth, K. (2013): Intergovernmental Panel on Climate Change (IPCC). In: Shogren, J. F. (eds.), Encyclopedia of Energy, Natural Resource, and Environmental Economics (Vol. 1: ENERGY). Amsterdam: Elsevier, 48-56.
- Flachsland, C. & Edenhofer, O. (2013): Auf mehreren Ebenen agieren. Klimaschutz und Transformation. Politische Ökologie, 31, 108-116.
- Heitzig, J. & Edenhofer, O. (2013): Cap, Insure & Compensate: Domestic Policies and the Ratification of International Environmental Agreements. SSRN working papers series. New York: Social Science Electronic Publishing.
- Kriegler, E., Mouratiadou, I., Luderer, G., Bauer, N., Calvin, K., De Cian, E., Brecha, R., Chen, W., Cherp, A., Edmonds, J., Jiang, K., Pachauri, S., Sferra, F., Tavoni, M., & Edenhofer, O. (2013): Roadmaps towards Sustainable Energy futures and climate protection : A synthesis of results from the RoSE project. Potsdam: Potsdam Institute for Climate Impact Research.
- Mattauch, L., Siegmeier, J., Edenhofer, O., & Creutzig, F. (2013): Financing Public Capital through Land Rent Taxation: A Macroeconomic Henry George Theorem. CESifo Working Paper No. 4280. München: CESifo.
- Schwerhoff, G. & Edenhofer, O. (2013): Is Capital Mobility Good for Public Good Provision? CESifo Working Paper No. 4420. Munich: CESifo.
- Schwerhoff, G. & Edenhofer, O. (2013): Low-Carbon Development through International Specialization. Jahrestagung des Vereins für Socialpolitik 2013: Wettbewerbspolitik und Regulierung in einer globalen Wirtschaftsordnung (Düsseldorf 2013).

## 2012

### ISI Publications

- Creutzig, F., Popp, A., Plevin, R., Luderer, G., Minx, J., & Edenhofer, O. (2012): Reconciling top-down and bottom-up modelling on future bioenergy deployment. Nature Climate Change, 2(5), 320-327, doi: 10.1038/nclimate1416.
- Creutzig, F., Stechow, C. v., Klein, D., Hunsberger, C., Bauer, N., Popp, A., & Edenhofer, O. (2012): Can Bioenergy Assessments Deliver? Economics of Energy & Environmental Policy, 1(2), 65-82, doi: 10.5547/2160-5890.1.2.5.
- Edenhofer, O., Carraro, C., & Hourcade, J. C. (2012): On the economics of decarbonization in an imperfect world. Climatic Change, 114(1), 1-8, doi: 10.1007/s10584-012-0549-7.
- Eisenack, K., Edenhofer, O., & Kalkuhl, M. (2012): Resource rents: The effects of energy taxes and quantity instruments for climate protection. Energy Policy, 48, 159-166, doi: 10.1016/j.enpol.2012.05.001.
- Hübner, M., Baumstark, L., Leimbach, M., Edenhofer, O., & Bauer, N. (2012): An integrated assessment model with endogenous growth. Ecological Economics, 83, 118-131, doi: 10.1016/j.ecolecon.2012.07.014.

Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2012): Learning or lock-in: Optimal technology policies to support mitigation. *Resource and Energy Economics*, 34(1), 1-23, doi: 10.1016/j.reseneeco.2011.08.001.

Luderer, G., Bosetti, V., Jakob, M., Leimbach, M., Steckel, J. C., Waisman, H., & Edenhofer, O. (2012): The economics of decarbonizing the energy system - results and insights from the RECIPE model intercomparison. *Climatic Change*, 114(1), 9-37, doi: 10.1007/s10584-011-0105-x.

Luderer, G., DeCian, E., Hourcade, J. C., Leimbach, M., Waisman, H., & Edenhofer, O. (2012): On the regional distribution of mitigation costs in a global cap-and-trade regime. *Climatic Change*, 114(1), 59-78, doi: 10.1007/s10584-012-0408-6.

Pahle, M., Knopf, B., & Edenhofer, O. (2012): Die deutsche Energiewende: gesellschaftliches Experiment und sozialer Lernprozess. *GAiA - Ecological Perspectives for Science and Society*, 21(4), 284-287.

### **Non-ISI Publications**

Eaten, D., Edenhofer, O. (2012): Green Economy Needs a Carbon Price. *Review of Environment, Energy and Economics*, 2012, url: <https://EconPapers.repec.org/RePEc:fem:femre3:2012.06-03>.

Edenhofer, O. (2012): Wohlstand vs. Klimaschutz? *Stiftung und Sponsoring*, 20-21.

Edenhofer, O., Carraro, C., & Hourcade, J.-C. (eds.) (2012): *On the Economics of Decarbonization in an Imperfect World*. Berlin: Springer, 168 p.

Edenhofer, O. & Flachsland, C. (2012): Globale Energiewende - Wege zu einer nachhaltigen Energieversorgung. In: Debiel, T., Hippler, J., Roth, M., Ulbert, C. (eds.), *Globale Trends 2013*. Frankfurt am Main: Fischer Taschenbuch Verlag, 265-284.

Edenhofer, O. & Flachsland, C. (2012): Transforming the Global Energy System - Pathways Towards a Sustainable Energy Supply. In: Debiel, T., Hippler, J., Roth, M., Ulbert, C. (eds.), *Global Trends 2013*. Bonn: Stiftung Entwicklung und Frieden, 53-71.

Edenhofer, O. & Flachsland, C. (2012): Die Nutzung globaler Gemeinschaftsgüter: Politökonomische Herausforderungen an die Klimapolitik. *ifo Schnelldienst*, 65, 29-35.

Edenhofer, O., Flachsland, C., & Lorentz, B. (2012): Die Atmosphäre als globales Gemeingut. In: Helfrich, S. (eds.), *Commons: Für eine neue Politik jenseits von Markt und Staat*. Bielefeld: Transcript Verlag, 473-478.

Edenhofer, O., Flachsland, C., & Lorentz, B. (2012): The Atmosphere as a Global Commons. In: Bollier, D., Helfrich, S. (eds.), *The Wealth of the Commons*. Amherst and Florence, MA: Levellers Press, 389-394.

Edenhofer, O., Knopf, B., & Luderer, G. (2012): Die Gretchenfrage des Klimaschutzes: 'Nun sag, wie hast Du's mit dem Eigentum?'. In: Müller, T. (eds.), *20 Jahre Recht der Erneuerbaren Energien*. Baden-Baden: Nomos, 34-50.

Edenhofer, O. & Kowarsch, M. (2012): Wem nützt, wem schadet Klimaschutz?. In: Schreijäck, T., Bröckelmann-Simon, M., Antkowiak, T., Biesinger, A., Fuchs, O. (eds.), *Horizont Weltkirche. Erfahrungen - Themen - Optionen und Perspektiven*. Ostfildern: Matthias-Grünwald-Verlag, 241-260.

Edenhofer, O. & Kowarsch, M. (2012): *A Pragmatist Approach to the Science-Policy Interface*. Working paper. Berlin: MCC.

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.

Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Seyboth, K., Arvizu, D., Bruckner, T., Christensen, J., Chum, H., Devernay, J. M., Faaij, A., Fishedick, M., Goldstein, B., Hansen, G., Huckerby, J., Jäger-Waldau, A., Kadner, S., Kammen, D., Krey, V., Kumar, A., Lewis, A., Lucon, O., Matschoss, P., Maurice, L., Mitchell, C., Moomaw, W., Moreira, J., Nadai, A., Nilsson, L. J., Nyboer, J., Rahman, A., Sathaye, J., Sawin, J., Schaeffer, R., Schei, T., Schlömer, S., Sims, R., Stechow, C. v., Verbruggen, A., Urama, K., Wisner, R., Yamba, F., & Zwickel, T. (2012): Summary for Policymakers. In: 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.), Renewable Energy Sources and Climate Change Mitigation. Special Report of the Intergovernmental Panel on Climate Change. Cambridge: Cambridge University Press, 3-26.

Arvizu, D., Bruckner, T., Chum, H., Edenhofer, O., Estefen, S., Faaij, A., Fishedick, M., Hansen, G., Hiriart, G., Hohmeyer, O., Hollands, K. G. T., Huckerby, J., Kadner, S., Killingtveit, Kumar, A., Lewis, A., Lucon, O., Matschoss, P., Maurice, L., Mirza, M., Mitchell, C., Moomaw, W., Moreira, J., Nilsson, L. J., Nyboer, J., Pichs-Madruga, R., Sathaye, J., Sawin, J. L., Schaeffer, R., Schei, T. A., Schlömer, S., Seyboth, K., Sims, R., Sinden, G., Sokona, Y., Stechow, C. v., Steckel, J., Verbruggen, A., Wisner, R., Yamba, F., & Zwickel, T. (2012): Technical Summary. In: 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.), Renewable Energy Sources and Climate Change Mitigation. Special Report of the Intergovernmental Panel on Climate Change. Cambridge: Cambridge University Press, 27-158.

Edenhofer, O. & Steckel, J. (2012): Die Renaissance der Kohle und Chancen globaler Klimapolitik. *Mining + Geo*, 336-348.

Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., & Müller, J. (eds.) (2012): *Climate Change, Justice and Sustainability*. Dordrecht: Springer.

Edenhofer, O., Wallacher, J., Knopf, B., Lotze-Campen, H., Reder, M., & Müller, J. (2012): Introduction. In: Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., Müller, J. (eds.), *Climate Change, Justice and Sustainability*. Dordrecht: Springer, 1-6.

Knopf, B., Kowarsch, M., Flachsland, C., & Edenhofer, O. (2012): The 2°C Target Reconsidered. In: Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., Müller, J. (eds.), *Climate Change, Justice and Sustainability*. Dordrecht: Springer, 121-137.

Knopf, B., Kowarsch, M., Edenhofer, O., & Luderer, G. (2012): Climate Change Mitigation: Options, Costs, and Risks. In: Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., Müller, J. (eds.), *Climate Change, Justice and Sustainability*. Dordrecht: Springer, 139-150.

Flachsland, C., Lessmann, K., & Edenhofer, O. (2012): Climate Policy in a Decentralised World. In: Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., Müller, J. (eds.), *Climate Change, Justice and Sustainability*. Dordrecht: Springer, 257-268.

Knopf, B., Kowarsch, M., Lüken, M., Edenhofer, O., & Luderer, G. (2012): A Global Carbon Market and the Allocation of Emission Rights. In: Edenhofer, O., Wallacher, J., Lotze-Campen, H., Reder, M., Knopf, B., Müller, J. (eds.), *Climate Change, Justice and Sustainability*. Dordrecht: Springer, 269-285.

Field, C. B., Barros, V., Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Mastrandrea, M. D., Mach, K. J., & Stechow, C. v. (eds.) (2012): Meeting Report of the Intergovernmental Panel on Climate Change Expert Meeting on Economic Analysis, Costing Methods, and Ethics. IPCC Working Group II Technical Support Unit. Stanford (United States of America), 75 pp.

Edenhofer, E., Pichs-Madruga, R., Sokona, Y., Field, C. B., Barros, V., Stocker, T. F., Dahe,, Q., Minx, J., Mach, K. J., Plattner, G.-K., Schlömer, S., Hansen, G., & Mastrandrea, M. (eds.) (2012): Meeting Report of the Intergovernmental Panel on Climate Change Expert Meeting on Geoengineering. IPCC Working Group III Technical Support Unit, Potsdam: Potsdam Institute for Climate Impact Research, 99 pp.

Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Barros, V., Field, C. B., Zwickel, T., Schlömer, S., Ebi, K., Mastrandrea, M., Mach, K. J., & Stechow, C. v. (eds.) (2012): Workshop Report of the Intergovernmental Panel on Climate Change Workshop on Socio-Economic Scenarios. IPCC Working Group III Technical Support Unit, Potsdam: Potsdam Institute for Climate Impact Research, 51 pp.

Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2012): The Role of Carbon Capture and Sequestration Policies for Climate Change Mitigation. CESifo Working Paper No. 3834. Munich: CESifo.

Knopf, B., Kondziella, H., Pahle, M., Götz, M., Bruckner, T., & Edenhofer, O. (2012): La sortie du nucléaire en Allemagne: scénarios de politique énergétique. Note du Cerfa, 93. Paris: Ifri.

Knopf, B., Pahle, M., & Edenhofer, O. (2012): Die Energiewende hängt vom Strompreis ab - aber noch fehlt eine robuste Energiestrategie. *Energiewirtschaftliche Tagesfragen*, 62, 37-40.

Kunreuther, H., Heal, G., Allen, M., Edenhofer, O., Field, C. B., & Yohe, G. (2012): Risk Management and Climate Change. NBER Working Paper, 18607. Cambridge: National Bureau of Economic Research.

Luderer, G., De Cian, E., Hourcade, J.-C., Leimbach, M., Waisman, H., & Edenhofer, O. (2012): On the regional distribution of mitigation costs in a global cap-and-trade regime. *Climatic Change*, 114(1), 59-78, doi: 10.1007/s10584-012-0408-6.

Mattauch, L., Creutzig, F., & Edenhofer, O. (2012): Avoiding Carbon Lock-In: Policy Options for Advancing Structural Change. *Climatecon Working Paper Series*, 1-2012. Berlin: Department of Climate Change Economics, TU Berlin.

### **Newspaper and Magazines**

Edenhofer, O. & Schellnhuber, H. J. (2012): Brauchen wir den Weltklimarat noch? In: *Spektrum.de - die Woche*, 41. KW, 13-14.

Edenhofer, O. & Schellnhuber, H. J. (2012): Brauchen wir den Weltklimarat noch? In: *DIE ZEIT*, Nr. 40 (27.09.2012), 45-45.

Edenhofer, O. & Knopf, B. (2012): Mit gutem Beispiel voran. In: *Frankfurter Allgemeine Zeitung* (27.06.2012).

Edenhofer, O. & Jakob, M. (2012): Die Illusion des grünen Wachstums. In: *Frankfurter Allgemeine Zeitung* (01.03.2012).

## **2011**

### **ISI Publications**

Creutzig, F., McGlynn, E., Minx, J., & Edenhofer, O. (2011): Climate policies for road transport revisited (I): Evaluation of the current framework. *Energy Policy*, 39(5), 2396-2406, doi: 10.1016/j.enpol.2011.01.062.

Edenhofer, O. (2011): Different views ensure IPCC balance. *Nature Climate Change*, 1(5), 229-230, doi: 10.1038/nclimate1178.

- Edenhofer, O. & Kalkuhl, M. (2011): When do increasing carbon taxes accelerate global warming? A note on the green paradox. *Energy Policy*, 39(4), 2208-2212, doi: 10.1016/j.enpol.2011.01.020.
- Flachsland, C., Brunner, S., Edenhofer, O., & Creutzig, F. (2011): Climate policies for road transport revisited (II): Closing the policy gap with cap-and-trade. *Energy Policy*, 39(4), 2100-2110, doi: 10.1016/j.enpol.2011.01.053.
- Knopf, B., Luderer, G., & Edenhofer, O. (2011): Exploring the feasibility of low stabilization targets. *Wiley Interdisciplinary Reviews-Climate Change*, 2(4), 617-626, doi: 10.1002/wcc.124.
- Lessmann, K. & Edenhofer, O. (2011): Research cooperation and international standards in a model of coalition stability. *Resource and Energy Economics*, 33(1), 36-54, doi: 10.1016/j.reseneeco.2010.01.001.
- Lüken, M., Edenhofer, O., Knopf, B., Leimbach, M., Luderer, G., & Bauer, N. (2011): The role of technological availability for the distributive impacts of climate change mitigation policy. *Energy Policy*, 39(10), 6030-6039, doi: 10.1016/j.enpol.2011.07.002.
- Mastrandrea, M. D., Mach, K. J., Plattner, G. K., Edenhofer, O., Stocker, T. F., Field, C. B., Ebi, K. L., & Matschoss, P. R. (2011): The IPCC AR5 guidance note on consistent treatment of uncertainties: a common approach across the working groups. *Climatic Change*, 108(4), 675-691, doi: 10.1007/s10584-011-0178-6.
- Peters, G. P., Minx, J. C., Weber, C. L., & Edenhofer, O. (2011): Growth in emission transfers via international trade from 1990 to 2008. *Proceedings of the National Academy of Sciences of the United States of America*, 108(21), 8903-8908, doi: 10.1073/pnas.1006388108.
- Popp, A., Dietrich, J. P., Lotze-Campen, H., Klein, D., Bauer, N., Krause, M., Beringer, T., Gerten, D., & Edenhofer, O. (2011): The economic potential of bioenergy for climate change mitigation with special attention given to implications for the land system. *Environmental Research Letters*, 6(3), doi: 10.1088/1748-9326/6/3/034017.
- Weedon, G. & Edenhofer, O. (2011): What future for renewables? *Nature Climate Change*, 1(3), 135-136, doi: 10.1038/nclimate1137.

### **Non-ISI Publications**

- Arvizu, D., Bruckner, T., Chum, H., Edenhofer, O., Estefen, S., Faaij, A., Fischedick, M., Hansen, G., Hiriart, G., Hohmeyer, O., Hollands, K. G. T., Huckerby, J., Kadner, S., Killingtveit, Kumar, A., Lewis, A., Lucon, O., Matschoss, P., Maurice, L., Mirza, M., Mitchell, C., Moomaw, W., Moreira, J., Nilsson, L. J., Nyboer, J., Pichs-Madruga, R., Sathaye, J., Sawin, J. L., Schaeffer, R., Schei, T. A., Schlömer, S., Seyboth, K., Sims, R., Sinden, G., Sokona, Y., Stechow, C. v., Steckel, J., Verbruggen, A., Wiser, R., Yamba, F., & Zwickel, T. (2011): Technical Summary. In: 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.), *Special Report on Renewable Energy Sources and Climate Change Mitigation (SRREN)*. Geneva: IPCC, 27-158.
- Bettzüge, M. O., Biermann, F., Böhm, M., Edenhofer, O., Erdmann, G., Grunwald, A., Jäger, C., Jungermann, H., Klepper, G., Leggewie, C., Messner, D., Nida-Rümelin, J., Radkau, J., Rehlinger, E., Reisch, L., Renn, O., Schmidt-Aßmann, E., Schneider, J.-P., Schreurs, M., von Weizsäcker, C. C., Voß, A., Wicke, L., & Zürn, M. (2011): Die Bedeutung der Gesellschafts- und Kulturwissenschaften für eine integrierte und systemisch ausgerichtete Energieforschung. Berlin: Berlin-Brandenburgische Akademie der Wissenschaften.
- Edenhofer, O., Flachsland, C., & Brunner, S. (2011): Wer besitzt die Atmosphäre? Zur Politischen Ökonomie des Klimawandels. *Leviathan*, 39, 201-221.



- Edenhofer, O., Flachsland, C., & Lessmann, K. (2011): Wem gehört die Atmosphäre? Nach dem Klimagipfel in Cancún. *Stimmen der Zeit*, 229, 75-88.
- Edenhofer, O. & Kowarsch, M. (2011): Klimaschutz und Klimawandel. In: Stoecker, R., Neuhäuser, C., Raters, M.-L. (eds.), *Handbuch Angewandte Ethik*. Stuttgart: Metzler, 511-517.
- Edenhofer, O., Pichs-Madruga, R., Sokona, Y., Seyboth, K., Arvizu, D., Bruckner, T., Christensen, J., Chum, H., Devernay, J. M., Faaij, A., Fischedick, M., Goldstein, B., Hansen, G., Huckerby, J., Jäger-Waldau, A., Kadner, S., Kammen, D., Krey, V., Kumar, A., Lewis, A., Lucon, O., Matschoss, P., Maurice, L., Mitchell, C., Moomaw, W., Moreira, J., Nadai, A., Nilsson, L. J., Nyboer, J., Rahman, A., Sathaye, J., Sawin, J., Schaeffer, R., Schei, T., Schlömer, S., Sims, R., Stechow, C. v., Verbruggen, A., Urama, K., Wisner, R., Yamba, F., & Zwickel, T. (2011): Summary for Policymakers. In: 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.), *Special Report on Renewable Energy Sources and Climate Change Mitigation (SRREN)*. Geneva: IPCC, 3-26.
- Edenhofer, O., Schellnhuber, H. J., Köhler, C., Flachsland, C., Serdeczny, O., & Kurkowska, I. (2011): The Climate Change Challenge: Necessary Emission Reductions and the Role of Megacities. In: Krull, W. (eds.), *Research and Responsibility*. Leipzig: CEP Europäische Verlagsanstalt, 111-131.
- Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackermann, F., Lailai, L., & Hallding, K. (eds.) (2011): *The Economics of Climate Change in China*. London: Earthscan, 452 p.
- Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackerman, F., Lailai, L., & Hallding, K. (2011): The Economics of Climate Change in China: An Overview of the Possible. In: Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackerman, F., Lailai, L., Hallding, K. (eds.), *The Economics of Climate Change in China*. London: Earthscan, 1-65.
- Edenhofer, O., Pietzcker, R., Kalkuhl, M., & Kriegler, E. (2011): Tax instruments for reducing emissions: An overview. In: Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackerman, F., Lailai, L., Hallding, K. (eds.), *The Economics of Climate Change in China*. London: Earthscan, 167-212.
- Brunner, S., Flachsland, C., Luderer, G., & Edenhofer, O. (2011): Domestic emissions trading systems. In: Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackerman, F., Lailai, L., Hallding, K. (eds.), *The Economics of Climate Change in China*. London: Earthscan, 231-260.
- Flachsland, C., Luderer, G., Steckel, J., Knopf, B., & Edenhofer, O. (2011): Emissions trading and the global deal. In: Gang, F., Stern, N., Edenhofer, O., Shanda, X., Eklund, K., Ackerman, F., Lailai, L., Hallding, K. (eds.), *The Economics of Climate Change in China*. London: Earthscan, 355-390.
- Hübner, M., Leimbach, M., Bauer, N., Edenhofer, O., & Baumstark, L. (2011): A model of endogenous growth for climate and development policy assessment. 18th Annual Conference of the European Association of Environmental and Resource Economists.
- Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2011): Renewable energy subsidies: Second-best policy or fatal aberration for mitigation? *FEEM Working Paper Series*, 48.2011. Milan: Fondazione Eni Enrico Mattei.
- Kalkuhl, M., Edenhofer, O., & Lessmann, K. (2011): Learning or lock-in: Optimal technology policies to support mitigation. *CESifo Working Paper No. 3422*. München: CESifo.
- Knopf, B., Kondziella, H., Pahle, M., Götz, M., Bruckner, T., & Edenhofer, O. (2011): Scenarios for phasing out nuclear energy in Germany. *WISO Diskurs*. Bonn: Friedrich-Ebert-Stiftung.
- Knopf, B., Kondziella, H., Pahle, M., Götz, M., Bruckner, T., & Edenhofer, O. (2011): Der Einstieg in den Ausstieg: Energiepolitische Szenarien für einen Atomausstieg in Deutschland. *WISO Diskurs*. Bonn: Friedrich-Ebert-Stiftung.
- Knopf, B., Pahle, M., & Edenhofer, O. (2011): Die Kosten des Atomausstiegs und die Herausforderungen der Energiewende. *Neue Gesellschaft, Frankfurter Hefte*, 58, 31-33.

## **Newspaper and Magazines**

- Edenhofer, O. & Marschinski, R. (2011): Unvernünftige Zweifler. In: DIE ZEIT (08.12.2011).
- Edenhofer, O. (2011): Egoismus führt in die Katastrophe. In: Financial Times Deutschland, Nr. 24 (05.12.2011).
- Edenhofer, O. (2011): Ein hoher Ölpreis schadet dem Klima. In: Der Tagesspiegel (09.11.2011).
- Edenhofer, O. (2011): Schöne Natur nur für Reiche? In: Jesuiten, Nr. 2011/1.
- Edenhofer, O. & Knopf, B. (2011): Experiment Atomausstieg. In: DIE ZEIT, Nr. 31 (28.07.2011).
- Edenhofer, O. (2011): Weltweit umsteuern! [Comment]. In: Bild am Sonntag (15.05.2011).
- Edenhofer, O. (2011): Es geht um die Zukunft der repräsentativen Demokratie. In: Frankfurter Allgemeine Zeitung (28.04.2011).
- Edenhofer, O. (2011): Es gibt Alternativen. In: DIE ZEIT (04.04.2011).
- Edenhofer, O. (2011): Zielkonflikte benennen. In: Süddeutsche Zeitung (01.02.2011).
- Edenhofer, O. (2011): Es geht um die Zukunft der repräsentativen Demokratie. In: Frankfurter Allgemeine Zeitung (28.04.2011), 12-12.

## **2010**

### **ISI Publications**

- Edenhofer, O. (2010): IPCC yet to assess geoengineering. *Nature*, 468(7323), 508-508, doi: 10.1038/468508a.
- Edenhofer, O., Knopf, B., Barker, T., Baumstark, L., Bellevrat, E., Chateau, B., Criqui, P., Isaac, M., Kitous, A., Kypreos, S., Leimbach, M., Lessmann, K., Magne, B., Scricciu, S., Turton, H., & van Vuuren, D. P. (2010): The Economics of Low Stabilization: Model Comparison of Mitigation Strategies and Costs. *Energy Journal*, 31, 11-48, doi: 10.5547/ISSN0195-6574-EJ-Vol31-NoSI-2.
- Edenhofer, O., Knopf, B., Leimbach, M., & Bauer, N. (2010): ADAM's Modeling Comparison Project - Intentions and Prospects. *Energy Journal*, 31, 7-10, doi: 10.5547/ISSN0195-6574-EJ-Vol31-NoSI-1.
- Knopf, B., Edenhofer, O., Flachsland, C., Kok, M. T. J., Lotze-Campen, H., Luderer, G., Popp, A., & van Vuuren, D. P. (2010): Managing the Low-Carbon Transition - From Model Results to Policies. *Energy Journal*, 31, 223-245, doi: 10.5547/ISSN0195-6574-EJ-Vol31-NoSI-9.
- Leimbach, M., Bauer, N., Baumstark, L., & Edenhofer, O. (2010): Mitigation Costs in a Globalized World: Climate Policy Analysis with REMIND-R. *Environmental Modeling & Assessment*, 15(3), 155-173, doi: 10.1007/s10666-009-9204-8.
- Leimbach, M., Bauer, N., Baumstark, L., Luken, M., & Edenhofer, O. (2010): Technological Change and International Trade - Insights from REMIND-R. *Energy Journal*, 31, 109-136, doi: 10.5547/ISSN0195-6574-EJ-Vol31-NoSI-5.
- Marschinski, R. & Edenhofer, O. (2010): Revisiting the case for intensity targets: Better incentives and less uncertainty for developing countries. *Energy Policy*, 38(9), 5048-5058, doi: 10.1016/j.enpol.2010.04.033.

## Non-ISI Publications

Bauer, N., Edenhofer, O., Haller, M., Klein, D., Lorenz, A., Luderer, G., Ludig, S., Lüken, M., & Pietzcker, R. (2010): Technologies, policies and economics of global reductions of energy related CO<sub>2</sub> emissions - an analysis with ReMIND. 4th World Congress of Environmental and Resource Economists (Montreal 2010).

Bruckner, T., Edenhofer, O., Held, H., Haller, M., Lüken, M., Bauer, N., & Nakicenovic, N. (2010): Robust options for decarbonization. In: Schellnhuber, H. J., Molina, M., Stern, N., Huber, V., Kadner, S. (eds.), *Global sustainability - a Nobel cause*. Cambridge: Cambridge University Press, 189-204.

Creutzig, F. & Edenhofer, O. (2010): Mobilität im Wandel. *Internationales Verkehrswesen*, 62, 1-6.

Edenhofer, O., Creutzig, F., Flachsland, C., McGlynn, E., Minx, J., & Brunner, S. (2010): *CITIES: Car industry, road transport and an international emission trading scheme – policy options*. München: BMW Group.

Edenhofer, O., Knopf, B., & Luderer, G. (2010): From utopia to common sense: the climate mitigation challenge. In: Cerdá, E., Labandeira, X. (eds.), *Climate Change Policies*. Cheltenham: Elgar, 61-73.

Edenhofer, O., Knopf, B., & Luderer, G. (2010): From utopia to common sense: global climate policy that could work. In: Endlicher, W., Gerstengarbe, F.-W. (eds.), *Continents under climate change*. Stuttgart: Wissenschaftliche Verlagsgesellschaft, 59-70.

Edenhofer, O., Knopf, B., Luderer, G., Steckel, J., & Bruckner, T. (2010): More heat than light? On the economics of decarbonisation. In: John, K. D., Rübberke, D. T. G. (eds.), *Sustainable Energy*. London: Routledge, 70-108.

Edenhofer, O., Pietzcker, R., Kalkuhl, M., & Kriegler, E. (2010): Price and quantity regulation for reducing greenhouse gas emissions. In: Schellnhuber, H. J., Molina, M., Stern, N., Huber, V., Kadner, S. (eds.), *Global sustainability*. Cambridge: Cambridge University Press, 205-225.

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

Edenhofer, O., Wallacher, J., Reder, M., Lotze-Campen, H., Bornhorst, B., Füssel, H. M., Gösele, A., Knopf, B., Kowarsch, M., Loster, T., Müller, J., Popp, A., Reinhard, D., Schroeder, A., & Vohland, K. (2010): *Global aber gerecht. Kurzfassung*. München: Beck Verlag, 16 p.

Eisenack, K., Edenhofer, O., & Kalkuhl, M. (2010): Energy taxes, resource taxes and quantity rationing for climate protection. *PIK Report*, Potsdam: Potsdam-Institut für Klimafolgenforschung.

Flachsland, C., Marschinski, R., Edenhofer, O., Leimbach, M., & Baumstark, L. (2010): Developing the international carbon market beyond 2012: Options and the costs of delay. In: Biermann, F., Pattberg, P., Zelli, F. (eds.), *Global Climate Governance beyond 2012*. Cambridge: Cambridge University Press, 60-78.

Kalkuhl, M. & Edenhofer, O. (2010): Prices vs. quantities and the intertemporal dynamics of the climate rent. *CESifo Working Paper No. 3044*. München: CESifo.

Knopf, B., Edenhofer, O., Barker, T., Bauer, N., Baumstark, L., Chateau, B., Criqui, P., Held, A., Isaac, M., Jakob, M., Jochem, E., Kitous, A., Kypreos, S., Leimbach, M., Magné, B., Mima, S., Schade, W., Scricciu, S., Turton, H., & van Vuuren, D. (2010): The economics of low stabilisation: implications for technological change and policy. In: Hulme, M., Neufeldt, H. (eds.), *Making climate change work for us - ADAM synthesis book*. Cambridge: Cambridge University Press, 291-318.

Knopf, B., Kowarsch, M., & Edenhofer, O. (2010): Das 2°C-Ziel - mehr als ein fauler Kompromiss. In: Edenhofer, O., Wallacher, J., Reder, M., Lotze-Campen, H. (eds.), *Global aber gerecht*. München: Beck, 93-100.

Knopf, B., Kowarsch, M., & Edenhofer, O. (2010): Vermeidung des Klimawandels: Optionen und Kosten. In: Edenhofer, O., Wallacher, J., Reder, M., Lotze-Campen, H. (eds.), *Global aber gerecht*. München: Beck, 100-111.

Knopf, B., Kowarsch, M., Lüken, M., Brunner, S., & Edenhofer, O. (2010): Begrenzung, Verteilung und Handel von CO<sub>2</sub>-Emissionsrechten. In: Edenhofer, O., Wallacher, J., Reder, M., Lotze-Campen, H. (eds.), *Global aber gerecht*. München: Beck, 165-179.

Lessmann, K., Marschinski, R., Finus, M., & Edenhofer, O. (2010): Emission trading with non-signatories in a climate agreement - An analysis of coalition stability. 4th World Congress of Environmental and Resource Economists (Montreal 2010).

Mastrandrea, M. D., Field, C. B., Stocker, T. F., Edenhofer, O., Ebi, K. L., Frame, D. J., Held, H., Kriegler, E., Mach, K. J., Matschoss, P. R., Plattner, G. K., Yohe, G. W., & Zwiers, F. W. (2010): Guidance note for lead authors of the IPCC Fifth Assessment Report on Consistent Treatment of Uncertainties. IPCC Cross-Working Group Meeting on Consistent Treatment of Uncertainties (Jasper Ridge, CA 2010).

### **Newspaper and Magazines**

Edenhofer, O. (2010): Macht statt Gemeinwohl. In: *The European* (09.12.2010).

Edenhofer, O. (2010): Vergesst den Atomkompromiss! In: *Financial Times Deutschland* (07.09.2010).

Edenhofer, O. (2010): Der Klimarat kommt auf den Prüfstand. In: *Frankfurter Allgemeine Zeitung*, Nr. 34 (10.02.2010).

## **2009**

### **ISI Publications**

Flachsland, C., Marschinski, R., & Edenhofer, O. (2009): Global trading versus linking: Architectures for international emissions trading. *Energy Policy*, 37(5), 1637-1647, doi: 10.1016/j.enpol.2008.12.008.

Flachsland, C., Marschinski, R., & Edenhofer, O. (2009): To link or not to link: benefits and disadvantages of linking cap-and-trade systems. *Climate Policy*, 9(4), 358-372, doi: 10.3763/cpol.2009.0626.

Held, H., Kriegler, E., Lessmann, K., & Edenhofer, O. (2009): Efficient climate policies under technology and climate uncertainty. *Energy Economics*, 31, S50-S61, doi: 10.1016/j.eneco.2008.12.012.

Lessmann, K., Marschinski, R., & Edenhofer, O. (2009): The effects of tariffs on coalition formation in a dynamic global warming game. *Economic Modelling*, 26(3), 641-649, doi: 10.1016/j.econmod.2009.01.005.

### **Non-ISI Publications**

Bauer, N., Bowen, A., Brunner, S., Edenhofer, O., Flachsland, C., Jakob, M., & Stern, N. (2009): *Towards a Global Green Recovery - Recommendations for immediate G20 Action*. A study initiated by the Federal Foreign Office and carried out by the Potsdam Institute for Climate Impact Research and the London School of Economics.

Bauer, N., Edenhofer, O., Jakob, M., Ludig, S., & Lüken, M. (2009): Electricity trade among world regions - Trade theoretic foundation of energy-economy models. NCCR Conference on International Dimensions of Climate Policies (Bern, Switzerland, 2009).

Bauer, N., Edenhofer, O., & Leimbach, M. (2009): Low-stabilisation scenarios and technologies for carbon capture and sequestration. Energy Procedia 1(1), 9th International Conference on Greenhouse Gas Control Technologies (Washington, DC 2009), 4031-4038.

Bruckner, T. & Edenhofer, O. (2009): Die Bedeutung der erneuerbaren Energien für die Klimapolitik. In: Dresdner Wasserbaukolloquium 2009 - "Wasserkraftnutzung im Zeichen des Klimawandels, angepasste Strategien – neue Technologien". Dresden: Institut für Wasserbau und Technische Hydromechanik (IWD), 7-17.

Edenhofer, O. & Brunner, S. (2009): Adapt, mitigate, or die? The fallacy of a false trade-off. CESifo Forum, 10, 14-18.

Edenhofer, O. & Brunner, S. (2009): Progressive Krisenbekämpfung: Sieben Kernbestandteile eines ökologischen Erholungsprogramms. In: Das Progressive Zentrum (eds.), Fortschritt jetzt“ Ein Handbuch progressiver Ideen für unsere Zeit. Berlin: Das Progressive Zentrum, 45-48.

Edenhofer, O. & Brunner, S. (2009): Turning crisis into opportunity. New York: McKinsey.

Edenhofer, O., Carraro, C., Hourcade, J.-C., Neuhoff, K., Luderer, G., Flachsland, C., Jakob, M., Popp, A., Steckel, J. C., Strohschein, J., Bauer, N., Brunner, S., Leimbach, M., Lotze-Campen, H., Bosetti, V., de Cian, E., Tavoni, M., Sassi, O., Waisman, H., Crassous-Doerfler, R., Monjon, S., Dröge, S. van Essen, H., & del Río (2009): The Economics of Decarbonization. Report of the RECIPE project. Potsdam: Potsdam-Institute for Climate Impact Research.

Edenhofer, O. & Flachsland, C. (2009): Der 'Global Deal' für den Klimaschutz - ein Pfad auf Messers Schneide. In: Reiche, K. (eds.), Energiegeladen - Koordinaten einer zukunftsfähigen Klima- und Energiepolitik. Potsdam: Goetz, 128-137.

Edenhofer, O., Flachsland, C., & Luderer, G. (2009): Global Deal: Eckpunkte einer globalen Klimaschutzpolitik. In: Wallacher, J., Scharpenseel, K. (eds.), Klimawandel und globale Armut. Stuttgart: Kohlhammer, 109-140.

Edenhofer, O. & Kalkuhl, M. (2009): Das 'Grüne Paradoxon' - Menetekel oder Prognose. In: Beckenbach, F., Leipert, C., Meran, G., Nutzinger, H. G., Weimann, J., Witt, U. (eds.), Diskurs Klimapolitik. Marburg: Metropolis, 115-151.

Edenhofer, O., Knopf, B., & Kalkuhl, M. (2009): CCS: CO<sub>2</sub>-Sequestrierung: Ein wirksamer Beitrag zum Klimaschutz? ifo Schnelldienst, 62, 3-6.

Edenhofer, O., Knopf, B., & Luderer, G. (2009): Weltklimagipfel in Kopenhagen: Notwendige Eckpfeiler für eine neue Architektur. ifo Schnelldienst, 62, 3-13.

Edenhofer, O., Knopf, B., & Luderer, G. (2009): Globale Klimapolitik jenseits harmloser Utopien. In: Wirtschaftspolitische Blätter, 2009/4. Wien: Wirtschaftskammer Österreich, 603-617.

Edenhofer, O., Loster, T. R., & Wallacher, J. (2009): Grundlagen für einen globalen Pakt für Klimaschutz und Armutsbekämpfung. Entwicklung und Zusammenarbeit, 50, 366-369.

Eisenack, K., Edenhofer, O., & Kalkuhl, M. (2009): Efficiency and distribution effects of resource and energy taxes for climate protection. 17th Annual Conference of the European Association of Environmental and Resource Economists (Amsterdam, Netherlands, June 2009).

Eisenack, K., Edenhofer, O., & Kalkuhl, M. (2009): Efficiency and distribution effects of resource and energy taxes for climate protection. Conference on the International Dimensions of Climate Policies (Bern, Switzerland, January 2009).

Held, H. & Edenhofer, O. (2009): CCS-Bonds as a superior instrument to incentivize secure carbon sequestration. *Energy Procedia* 1(1), 9th International Conference on Greenhouse Gas Control Technologies (Washington,DC 2009), 4559-4566.

Luderer, G., Bosetti, V., Jakob, M., Steckel, J., Waisman, H., & Edenhofer, O. (2009): Towards a better understanding of disparities in scenarios of decarbonization: sectorally explicit results from the RECIPE project. 10th International Association for Energy Economics (IAEE) European Conference (Vienna, Austria, September 2009).

Lüken, M., Bauer, N., Knopf, B., Leimbach, M., Luderer, G., & Edenhofer, O. (2009): The role of technological flexibility for the distributive impacts of climate change mitigation policy. International Energy Workshop (Venice, Italy, June 2009).

Marschinski, R., Jakob, M., & Edenhofer, O. (2009): Analysis of carbon leakage in an extended Ricardo-Viner model. 17th Annual Conference of the European Association of Environmental and Resource Economists (Amsterdam 2009).

Marschinski, R., Jakob, M., & Edenhofer, O. (2009): Analysis of carbon leakage in an extended Ricardo-Viner model. NCCR Conference on International Dimensions of Climate Policies (Bern, Switzerland, January 2009).

Neufeldt, H., van Vuuren, D. P., Isaac, M., Knopf, B., Edenhofer, O., Schade, W., Jochem, E., & Berkhout, F. (2009): Reaching the 2°C target: technological requirements, economic costs and policies. Policy brief, 188. Brussels: CEPS.

## 2008

### ISI Publications

Edenhofer, O., Hare, B., Knopf, B., & Luderer, G. (2008): Climate policies will stimulate technology development. *Nature*, 453(7192), 155-155, doi: 10.1038/453155b.

Schiermeier, Q., Edenhofer, O. (2008): "Are the IPCC scenarios' unachievable'?" *Nature*, 452, 508-509, doi:10.1038/452508a.

### Non-ISI Publications

Bauer, N., Edenhofer, O., & Kypreos, S. (2008): Linking energy system and macroeconomic growth models. *Journal of Computational Management Science*, 5, 95-117.

Bauer, N., Edenhofer, O., & Leimbach, M. (2008): Low-stabilisation scenarios and technologies for carbon capture and sequestration. 9th International Conference on Greenhouse Gas Control Technologies (GHGT-9) (Washington DC, USA, 2008).

Bauer, N., Edenhofer, O., Ludig, S., & Lüken, M. (2008): Modeling electricity trade among world regions and its implications on mitigation costs and strategies. International Energy Workshop (IEW) (Paris, France, 2008).

Biermann, F., van Asselt, H., Boas, I., Massey, E., Pattberg, P., Edenhofer, O., Flachsland, C., Neufeldt, H., Zelli, F., Stripple, J., & Alessi, M. (2008): Climate governance post-2012. Options for EU policy-making. Policy briefs, 177. Brussels: CEPS.

Edenhofer, O. (2008): Ein 'Global Deal' für den Klimaschutz. In: Petermann, J. (eds.), *Sichere Energien im 21. Jahrhundert*. Hamburg: Hoffmann und Campe, 113-119.

Edenhofer, O. & Flachsland, C. (2008): Ein Global Deal für den Klimaschutz. AMOSinternational, 2, 24-33.

Edenhofer, O. & Flachsland, C. (2008): Der Friedensnobelpreis für den Weltklimarat. Stimmen der Zeit, 75-86.

Edenhofer, O., Flachsland, C., & Luderer, G. (2008): Eckpunkte einer globalen Klimaschutzpolitik. Kirche und Gesellschaft, 355. Köln: Bachem.

Edenhofer, O., Luderer, G., Flachsland, C., Füssel, H.-M., Popp, A., Knopf, B., Feulner, G., & Held, H. (2008): A Global Contract on climate change. Policy paper prepared for the conference 'A Global Contract based on climate justice: The need for a new approach concerning international relations'. Potsdam: Potsdam-Institut für Klimafolgenforschung.

Flachsland, C., Edenhofer, O., Jakob, M., & Steckel, J. C. (2008): Developing the International Carbon Market. Linking Options for the EU ETS. Report to the Policy Planning Staff in the Federal Foreign Office. Potsdam: Potsdam-Institut für Klimafolgenforschung.

Franke, U., Kohler, S., Lehold, J., Edenhofer, O., Nitsch, J., Czakainski, M., & Lamprecht, F. (2008): Mehr Effizienz wagen - nachwachsende Rohstoffe für eine nachhaltige Mobilität : [Strategiegespräch]. Energiewirtschaftliche Tagesfragen, 58, 30-35.

Held, H. & Edenhofer, O. (2008): Climate protection vs. economic growth as a false trade-off: Restructuring global warming mitigation. In: Hirsch Hadorn, G., Hoffmann-Riem, H., Biber-Klemm, S., Grossenbacher-Mansuy, W., Joye, D., Pohl, C., Wiesmann, U., Zemp, E. (eds.), Handbook of Transdisciplinary Research. Heidelberg: Springer, 191-204.

Kalkuhl, M., Eisenack, K., & Edenhofer, O. (2008): Climate policy instruments in a differential Stackelberg game with market imperfections. 13th International Symposium on Dynamic Games and Applications (June/July 2008, Wrocław).

Knopf, B., Edenhofer, O., Bauer, N., Baumstark, L., & Leimbach, M. (2008): Why hybrid models are the way to go for assessing climate policies. EcoMod2008 - International Conference on Policy Modeling (Berlin, Germany).

### **Newspaper and Magazines**

Edenhofer, O. (2008): Die Party ist vorbei. In: Westdeutsche Allgemeine Zeitung (29.11.2008).

Edenhofer, O. & Lotze-Campen, H. (2008): Emissionen müssen etwas kosten. Welt-Sichten, 9-11.

Edenhofer, O. (2008): "Antizyklisch investiert". In: Wirtschaftswoche, 27.10.2008.

## **2007**

### **ISI Publications**

Leimbach, M. & Edenhofer, O. (2007): Technological spillovers within multi-region models: Intertemporal optimization beyond the Negishi approach. Economic Modelling, 24(2), 272-294, doi: 10.1016/j.econmod.2006.07.005.

Reckien, D., Ewald, M., Edenhofer, O., & Lüdeke, M. K. B. (2007): What parameters influence the spatial variations in CO2 emissions from road traffic in Berlin? Implications for urban planning to reduce anthropogenic CO2 emissions. Urban Studies, 44(2), 339-355, doi: 10.1080/00420980601136588.

Viebahn, P., Nitsch, J., Fishedick, M., Esken, A., Schüwer, D., Supersberger, N., Zuberbühler, U., & Edenhofer, O. (2007): Comparison of carbon capture and storage with renewable energy technologies regarding structural, economic, and ecological aspects in Germany. *International Journal of Greenhouse Gas Control*, 1(1), 121-133, doi: 10.1016/S1750-5836(07)00024-2.

### **Non-ISI Publications**

Edenhofer, O. (2007): Warum der Klimawandel ein moralisches und ein ökonomisches Problem ist. *ew, das Magazin für die Energie Wirtschaft*, 18-19.

Edenhofer, O. (2007): Warum die Lösung des Klimaproblems nicht die Welt kostet. In: *Himmel und Erde – Von Pergamon nach Potsdam*. Potsdam: Potsdam-Institut für Klimafolgenforschung, 25-26.

Edenhofer, O. & Flachsland, C. (2007): Der Beitrag des Vierten Sachstandsberichtes des Intergovernmental Panel on Climate Change (IPCC) zur Lösung des Klimaproblems. *Zeitschrift für angewandte Umweltforschung*, 143-156.

Edenhofer, O. & Flachsland, C. (2007): Kosten und Optionen für den Klimaschutz. In: Müller, M., Fuentes, U., Kohl, H. (eds.), *Der UN-Weltklimareport. Bericht über eine aufhaltsame Katastrophe*. Köln: Kiepenheuer und Witsch, 268-280.

Edenhofer, O., Flachsland, C., & Bruckner, T. (2007): Deutschland und Europa: Schlüsselrolle beim globalen Klimaschutz. *ifo Schnelldienst*.

Edenhofer, O., Flachsland, C., & Bruckner, T. (2007): Nachtrag: Deutschlands Beitrag zur Lösung des Weltklimaproblems - Was lässt sich erreichen? *ifo Schnelldienst*, 60, 22-26.

Edenhofer, O., Flachsland, C., & Marschinski, R. (2007): Wege zu einem globalen CO<sub>2</sub>-Markt: Eine ökonomische Analyse, Gutachten für den Planungsstab des Auswärtigen Amtes. Potsdam: Potsdam-Institut für Klimafolgenforschung.

Edenhofer, O., Flachsland, C., & Marschinski, R. (2007): Towards a global CO<sub>2</sub> market: An economic analysis, Expertise for the Policy Planning Staff in the Federal Foreign Office. Potsdam: Potsdam-Institut für Klimafolgenforschung.

Bruckner, T., Edenhofer, O., Held, H., Haller, M., Lüken, M., & Bauer, N. (2007): Robust options for decarbonisation. Background paper for Session II: Energy security. *Global Sustainability - A Nobel Cause. 1st Interdisciplinary Symposium, 8-10 October 2007*. Potsdam: Potsdam Institute for Climate Impact Research, 1-13.

Edenhofer, O. & Lessmann, K. (2007): Vom Preis des Klimaschutzes und vom Wert der Erde. In: Beckenbach, F., Hampicke, U., Leipert, C., Meran, G., Minsch, J., Nutzinger, H. G., Pfriem, R., Weimann, J., Wirl, F., Witt, U. (eds.), *Soziale Nachhaltigkeit*. Marburg: Metropolis Verlag, 239-273.

Edenhofer, O. & Lotze-Campen, H. (2007): Gemeinsame Haftung - gemeinsames Engagement. *eins - Entwicklungspolitik Information Nord-Süd*, 17/18.

Edenhofer, O. & Wallacher, J. (2007): Ein gemeinsames Projekt. *eins - Entwicklungspolitik Information Nord-Süd*, 17/18.

Fishedick, M., Esken, A., Pastowski, A., Schüwer, D., Supersberger, N., Nitsch, J., Viebahn, P., Bandi, A., Zuberbühler, U., & Edenhofer, O. (2007): Strukturell-ökonomisch-ökologischer Vergleich regenerativer Energietechnologien (RE) mit Carbon Capture and Storage (CCS). Wuppertal Institut für Klima, Umwelt, Energie GmbH.



## **Newspaper and Magazines**

Edenhofer, O. (2007): Weltmarkt für das Klima. In: DIE ZEIT (13.12.2007), 33-33.

Edenhofer, O. (2007): Wie kommt die dritte industrielle Revolution in Gang? In: Frankfurter Allgemeine Zeitung (02.03.2007).

Edenhofer, O. (2007): Egal, was es kostet, es lohnt sich. In: Süddeutsche Zeitung (22.02.2007).

## **2006**

### **ISI Publications**

Edenhofer, O., Carraro, C., Köhler, J., & Grubb, M. (eds.) (2006): Endogenous Technological Change and the Economics of Atmospheric Stabilisation. A Special Issue of The Energy Journal. Energy Journal, 284 p.

Köhler, J., Grubb, M., Popp, D., & Edenhofer, O. (2006): The transition to endogenous technical change in climate-economy models: A technical overview to the Innovation Modeling Comparison Project. Energy Journal, 17-55, doi: 10.2307/23297056.

Edenhofer, O., Lessmann, K., Kemfert, C., Grubb, M., & Köhler, J. (2006): Induced technological change: Exploring its implications for the economics of atmospheric stabilization: Synthesis report from the Innovation Modeling Comparison Project. Energy Journal, 57-107, doi: 10.5547/ISSN0195-6574-EJ-VolSI2006-NoSI1-3.

Edenhofer, O., Lessmann, K., & Bauer, N. (2006): Mitigation strategies and costs of climate protection: The effects of ETC in the hybrid model MIND. Energy Journal, 207-222, doi: 10.5547/ISSN0195-6574-EJ-VolSI2006-NoSI1-10.

Friedmann, S. J., Dooley, J. J., Held, H., & Edenhofer, O. (2006): The low cost of geological assessment for underground CO<sub>2</sub> storage: Policy and economic implications. Energy Conversion and Management, 47(13-14), 1894-1901, doi: 10.1016/j.enconman.2005.09.006.

### **Non-ISI Publications**

Edenhofer, O. (2006): Eine Ethik der Nachhaltigkeit. Die deutschen Bischöfe zu den Gefahren des Klimawandels. Stimmen der Zeit, 11, 742-756.

Edenhofer, O. (2006): Ein Fonds zur Klimaanpassung und zur Überwindung der Armut: Ein fünf Punkte Plan. Memorandum für Bundesumweltminister Sigmar Gabriel als Beitrag zur Klimakonferenz in Nairobi. Potsdam: Potsdam-Institut für Klimafolgenforschung.

Edenhofer, O. (2006): Why Climate Change is a Moral and Economic problem [Comment]. Potsdam: Potsdam Institute for Climate Impact Research.

Hasselmann, K., Latif, M., Hooss, G., Azar, C., Edenhofer, O., Jaeger, C. C., Johannessen, O. M., Kemfert, C., Welp, M., & Wokaun, A. (2006): The challenge of long-term climate change. In: Kennedy, D. (eds.), State of the planet 2006-2207. Washington: Island Press, 172-178.

Held, H., Edenhofer, O. & Bauer, N. (2006): How to Deal with Risks of Carbon Sequestration within an International Emission Trading Scheme and Incomplete Capital Markets. 8th International Conference on Greenhouse Gas Control Technologies.

## Newspaper and Magazines

Edenhofer, O. (2006): Die Kopernikanische Wende. In: Böll Thema, Ausgabe 3, 10-11.

## 2005

### ISI Publications

Edenhofer, O., Bauer, N., & Kriegler, E. (2005): The impact of technological change on climate protection and welfare: Insights from the model MIND. *Ecological Economics*, 54(2-3), 277-292, doi: 10.1016/j.ecolecon.2004.12.030.

### Non-ISI Publications

Bauer, N., Edenhofer, O., Held, H., & Kriegler, E. (2005): Uncertainty of the role of carbon capture and sequestration within climate change mitigation strategies. 7th International Conference on Greenhouse Gas Control Technologies.

Edenhofer, O., Held, H., & Bauer, N. (2005): A regulatory framework for carbon capturing and sequestration within the Post-Kyoto Process. 7th International Conference on Greenhouse Gas Control Technologies.

Edenhofer, O. (2005): Anforderungen des internationalen Klimaschutzes an eine nachhaltige Energieversorgung. In: Mitsch-Werthwein, C. (eds.), *Energieversorgung der Zukunft - zwischen Klimaschutz und Ökonomie*. Stuttgart: Universitas Verlag, 17-36.

Edenhofer, O. (2005): Klimaschutz, neue Energiekrise und Erwerbsarbeit. In: Crüwell, H., Jakobi, T., Möhring-Hesse, M. (eds.), *Arbeit, Arbeit der Kirche und Kirche der Arbeit. Beiträge zur christlichen Sozialethik der Erwerbsarbeit*. Münster: LIT Verlag, 139-156.

Edenhofer, O. (2005): Die Rolle von Öl und Gas in einer nachhaltigen Energieversorgung. Veröffentlichtes Strategiegelgespräch in energiewirtschaftlichen Tagesfragen. *Energiewirtschaftliche Tagesfragen*, 146-151.

Edenhofer, O. (2005): Jenseits von Kyoto. Klimaschutz ohne Wachstumseinbußen ist möglich - wenn man die Marktkräfte zu nutzen weiß. *Technology Review: Das Magazin für Innovation*.

Edenhofer, O. & Lessmann, K. (2005): Climate policy and energy security. In: Müller, F., Riechel, A. (eds.), *Options for future climate policy: transatlantic perspectives*. Berlin: Stiftung Wissenschaft und Politik, 111-123.

Edenhofer, O., Lessmann, K., Bauer, N. (2005): Mitigation Strategies and Costs of Climate Protection: The Effects of ETC in the Hybrid Model MIND. FEEM Working Paper No. 150.05, Milano: Fondazione Eni Enrico Mattei.

Edenhofer, O., Lessmann, K., Bauer, N., & Held, H. (2005): Climate protection! A new energy policy? *DIW Vierteljahrshefte zur Wirtschaftsforschung*, 74, 137-147.

## 2004

### ISI Publications

Edenhofer, O., Schellnhuber, H. J., & Bauer, N. (2004): The rewards of courage - Organizational leeway for an international climate and energy policy. *Internationale Politik*, 59(8), 29-38.

Hasselmann, K., Schellnhuber, H. J., & Edenhofer, O. (2004): Climate change: complexity in action. *Physics World*, 17(6), 31-35.

### **Non-ISI Publications**

Edenhofer, O., Held, H., & Bauer, N. (2004): Wege zu einem nachhaltigen Energiesystem: Ein ordnungspolitischer Rahmen für Emissionsminderung und Kohlenstoffdeponierung. In: Johnke, B., Scheffran, J., Soye, K. (eds.), *Abfall, Energie und Klima. Wege und Konzepte für eine integrierte Ressourcennutzung*. Berlin: Erich Schmidt Verlag, 26-40.

Edenhofer, O., Schellnhuber, H. J., & Bauer, N. (2004): Risks and opportunities of planet protection. *Internationale Politik*, 5, 61-68.

Edenhofer, O., Schellnhuber, H. J., & Bauer, N. (2004): Der Lohn des Mutes. Gestaltungsspielräume für eine internationale Klima- und Energiepolitik. *Internationale Politik*, 59, 29-38.

Kinzig, A. P., Clark, W. C., Edenhofer, O., Gallopin, G. C., Lucht, W., Mitchell, R. B., Romero Lankao, P., Sreekesh, S., Tickell, C., & Young, O. R. (2004): Group report: sustainability. In: Schellnhuber, H. J., Crutzen, P. J., Clark, W. C., Claussen, M., Held, H. (eds.), *Earth system analysis for sustainability*. Cambridge, MA: MIT Press, 409-434.

Reusswig, F., Gerlinger, K., & Edenhofer, O. (2004): *Lebensstile und globaler Energieverbrauch - Analyse und Strategieansätze zu einer nachhaltigen Energiestruktur*, Potsdam: Potsdam-Institut für Klimafolgenforschung.

## **2003**

### **ISI Publications**

Hasselmann, K., Latif, M., Hooss, G., Azar, C., Edenhofer, O., Jaeger, C. C., Johannessen, O. M., Kemfert, C., Welp, M., & Wokaun, A. (2003): The challenge of long-term climate change. *Science*, 302(5652), 1923-1925.

### **Non-ISI Publications**

Edenhofer, O. (2003): Wege zu einer nachhaltigen Klima- und Energiepolitik. *Aus Politik und Zeitgeschichte*, 18-26.

Edenhofer, O. (2003): Energiepolitik in globaler Verantwortung. *Stimmen der Zeit*, 221, 579-594.

Reusswig, F., Gerlinger, K., & Edenhofer, O. (2003): *Lebensstile und Energieverbrauch - Analyse und Strategieansätze zu einer nachhaltigen Energiestruktur*. WBGU-Hauptgutachten 2003, Springer-Verlag.

## **2002**

### **Non-ISI Publications**

Edenhofer, O., Held, H., & Jaeger, C. (2002): Langfristige Optionen einer globalen Energie- und Umweltpolitik. In: Hauser, W. (eds.), *Das Experiment mit dem Planeten Erde*. Stuttgart: Theiss Verlag, 370-383.

## 2001

### Non-ISI Publications

Edenhofer, O. (2001): Klimawandel und globales Umweltmanagement. Stimmen der Zeit, Heft 11, Bd. 219, 723-734.

### Newspaper and Magazines

Edenhofer, O. (2001): Wenn der Golfstrom versiegt. In: Süddeutsche Zeitung (04./05.08.2001).

Edenhofer, O. (2001): Sieben neue Klimaplagen. In: Frankfurter Rundschau (06.03.2001).

## 2000

### Non-ISI Publications

Brassel, K.-H., Edenhofer, O., Möhring, M., & Troitzsch, K.G. (2000): Greening Investors. Economic Development and Technological Change in a Multilevel Simulation Model. In: Suleiman, R., Troitzsch, K. G., Gilbert, N. (eds.), Tools and Techniques for Social Science Simulation. Heidelberg: Physica Verlag, 319-343.

## 1999

### Non-ISI Publications

Brassel, K.-H., Edenhofer, O., Möhring, M., Mentges, E., & Troitzsch, K. G. (1999): Soziale Dynamik und technische Innovation - Anforderungen an ein Simulationswerkzeug. In: Grützer, R., Möhring, M. (eds.), Werkzeuge für die Modellierung und Simulation im Umweltbereich, 9. Workshop, Koblenz. Marburg: Metropolis-Verlag.

Edenhofer, O. (1999): Jenseits von Links und Rechts - Neuere Diskussionen zu Arbeitslosigkeit und Wohlfahrtsstaat. Stimmen der Zeit, Heft 1, Bd. 217, 29-36.

## 1998

### ISI Publications

Edenhofer, O. & Jaeger, C. C. (1998): Power shifts: the dynamics of energy efficiency. Energy Economics, 20(5-6): 513-537, doi: 10.1016/S0140-9883(98)00013-9.

### Non-ISI Publications

Jaeger, C. C., Renn, O., Rosa, E. A., Webler, T., Cantor, R., Edenhofer, O., Funtowicz, McDonell, G., Ravetz, J. R., Rayner, S., & Serger, G. (1998): Decision Analysis and rational action. Vol 3: The tools for policy analysis. In: Rayner, S., Malone, E. L. (eds.), Human choice and climate change. Batelle Press, 141-215.

## 1997

### ISI Publications

Jaeger, C. C., Barker, J., Edenhofer, O., Faucheux, S., Hourcade, J. C., Kasemir, B., Oconnor, M., Parry, M., Peters, I., Ravetz, J., & Rotmans, J. (1997): Procedural leadership in climate policy: a European task. *Global Environmental Change-Human and Policy Dimensions*, 7(3), 195-203, doi: 10.1016/S0959-3780(97)00008-3.

### Non-ISI Publications

Edenhofer, O. (1997): Das Ende der grünen Apokalypse, Neuere Diskussionen zum schwierigen Verhältnis von Ökonomie und Ökologie. *Stimmen der Zeit*, Heft 2, Bd. 215, 131-134.

## 1996

### Non-ISI Publications

Edenhofer, O. (1996): Das Management globaler Allmenden. In: Diekmann, A., Jaeger, C. C. (eds.), *Umweltsoziologie. Kölner Zeitschrift für Soziologie und Sozialpsychologie, Sonderheft 36/1996*, 390-419.

Rohner, M. & Edenhofer, O. (1996): Kann sich die Klimapolitik auf die Nutzen-Kosten-Analyse verlassen? In: Brauch, H. G. (eds.), *Klimapolitik*. Berlin: Springer-Verlag.

## 1991

### Non-ISI Publications

Edenhofer, O. (1991): Wachstumskrise, Entwicklung und Umweltschutz. In: Kerber, W., Müller, J. (eds.), *Soziales Denken in einer zerrissenen Welt – Anstöße der Katholischen Soziallehre*. Freiburg: Herder.

## 1990

### Non-ISI Publications

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

## CURRENT PhDs

<b>Raavi Aggarwal</b>	Preliminary title of PhD thesis: "Possibilities and limitations for carbon pricing in developing countries"
<b>Johanna Arlinghaus</b>	Preliminary title of PhD thesis: "Umweltsteuer- und Preisreform als Instrument zu einer wirtschaftlich, sozial und fiskalisch nachhaltigen Bekämpfung des Klimawandels: Erfahrungen und Potenziale"
<b>Ira Dorband</b>	Preliminary title of PhD thesis: "Political economy of climate change mitigation policies in the context of developing countries"
<b>Marcel Dorsch</b>	Preliminary title of PhD thesis: "Politisierung des Gemeinsamen. Internationale Politik und die Global Commons"
<b>Simon Feindt</b>	
<b>Anastasis Giannousakis</b>	Preliminary title of PhD thesis: "Optimal climate policy undersocio-economic uncertainty"
<b>Hannah Klauber</b>	Preliminary title of PhD thesis: "Big Data-assisted Estimation of Causal Effects for Evidence-based Environmental Policy"
<b>Johannes Koch</b>	Preliminary title of PhD thesis: "Development effect & climate change mitigation policies in countries undergoing structural change - a macroeconomic analysis"
<b>Sebastian Kraus</b>	
<b>Sarah Lohr</b>	
<b>Niccolò Manych</b>	Preliminary title of PhD thesis: "On the Political Economy of Coal Transitions - A multimethod Study"
<b>Eva-Maria Mauer</b>	Preliminary title of PhD thesis: "Challenges of carbon pricing"
<b>Sidney Michellini</b>	Essays on Climate Change and Conflicts
<b>Lorenzo Montrone</b>	Preliminary title of PhD thesis: "Structural economic change, poverty eradication and distributional effects of climate change mitigation"
<b>Nils Ohlendorf</b>	Preliminary title of PhD thesis: "Political economy of energy transitions"
<b>Jose Ordonez</b>	Preliminary title of PhD thesis: "The political economy of coal and renewable energies in the power sector: Case studies on climate and energy policy in Indonesia and India"
<b>Michaja Pehl</b>	Preliminary title of PhD thesis: "Climate Change Implications on Industrial Energy and Material Flows"
<b>Alexander Radebach</b>	Preliminary title of PhD thesis: "Network-theoretic instruments for macroeconomic sustainability assessment"
<b>Anjali Ramakrishnan</b>	Preliminary title of PhD thesis: "Demand-side Solutions to Low-carbon Consumption in Urban India"
<b>Niklas Roming</b>	Preliminary title of PhD thesis: "Structural Change and Economic Growth"
<b>Emilie Rosenlund Soysal</b>	Preliminary title of PhD thesis: "Financial Market Failures and their Implications for Energy Policy"
<b>Hendrik Schuldt</b>	Preliminary title of PhD thesis: "Financial market failures, investor behavior, and their implications for climate policy"
<b>Oliver Tietjen</b>	Preliminary title of PhD thesis: "Das Strommarktdesign der Zukunft bei hohen Anteilen erneuerbarer Energien"

## FINISHED PhDs

- Author: **Christina Roofs**  
Title: Carbon Pricing and Transfers – Feasible and Effective Multilevel Climate Policy in Federations  
Submission: June 2020
- Author: **Antoine Levesque**  
Title: Demand-side Mitigation Policies: The Role of the Buildings Sector  
Submission: April 2020
- Author: **Christoph von Stechow**  
Title: Climate Change Mitigation in the Context of Sustainable Development – New Insights, Challenges and Opportunities for Global Assessment Making  
Submission: November 2018
- 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: **Christian Gambardella**  
Title: On the economics of real-time pricing in low-carbon electricity markets: Efficiency and feasibility in the presence of policy-induced variable renewable energy supply  
Submission: April 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
- Author: **Paul Nahmmacher**  
 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 Bonsch**  
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 Präßler**  
 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 CO<sub>2</sub>-Emissionen. Sozio-ökonomische Determinanten und ihre Wirkung  
Submission: June 2004

## FUNDING (selection)

- 2012 - 2024 — As Managing Director of MCC, Ottmar Edenhofer is responsible for institutional funding totaling approx. EUR 30 million over a two-stage project period of 12 years. Under his leadership, additional third-party funds totaling approx. EUR 2.3 million (up to and including 2019) were raised.
- 2007 — Negotiated extension of institutional funding of PIK to remain in office equivalent to 10 permanent positions.
- 2007 - 2018 — Under Ottmar Edenhofer's leadership, the Research Domain Sustainable Solutions acquired third-party funding totaling approx. EUR 22.6 million.

## PROJECTS

Title: Verbundvorhaben Ariadne – Evidenzbasiertes Assessment für die Gestaltung der deutschen Energiewende  
Duration: June 2020 until May 2023  
Budget: 9,823,675 € funded by BMBF

Title: Energiewende-Navigationssystem zur Erfassung, Analyse und Simulation der systemischen Vernetzungen (ENavi)  
Duration: October 2016 until 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

Title: 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 until 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 until 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 until 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 until 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 until May 2010  
 Budget: 520,000 € funded by Misereor and MunichRe Foundation

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

Title: Wege zu einem globalen CO<sub>2</sub> Markt (Globaler CO<sub>2</sub> 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 CO<sub>2</sub> 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

- 2021 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2020/2021 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2020 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2019/2020 The Economics of Climate Policy, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
- 2019 The Economics of Climate Change, Lecture and Tutorial, Technische Universität Berlin (Berlin Institute of Technology)
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- 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