

CV of Dr. Michael Jakob

Education

- 08/07 – 06/11 **Doctoral Studies in Economics** (Dr. rer. oec.) at the Technical University of Berlin (summa cum laude)
- 10/04 – 07/07 **D.E.A.** (equivalent to M.A.) **in International Economics**, Graduate Institute for International Studies, Geneva, Switzerland
- 10/02 – 09/04 **B.A. in Economics**, University of St. Gallen, Switzerland
- 11/94 – 09/00 **Diplom** (equivalent to M.Sc.) **in Physics**, Technical University of Munich, Germany (with distinction)

Employment and Internships

- 05/13 - **Researcher / Fellow** at the Mercator Research Institute on Global Commons and Climate Change (MCC), Berlin
- 01/11 – 04/13 **Researcher / Postdoc** at the Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany and coordinator of the project Entdecken
- 08/07 – 12/10 **Researcher / PhD Student** at the Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany
- 05/07 – 07/07 **Research Assistant** at the Graduate Institute of International Relations (HEI), Geneva, Switzerland
- 01/07 – 07/07 **Consultant** at Symbiotics Microfinance (Geneva, Switzerland)
- 09/06 – 12/06 **Internship** United Nations Environment Program (UNEP) Brussels, Liaison Office with the EU
- 04/06 – 06/06 **Internship** ITC International Trade Centre (UNCTAD/WTO), Market Analysis Section (Geneva, Switzerland)
- 11/05 – 02/06 **Research Assistant** at the Graduate Institute of International Relations (HEI) Geneva, Switzerland
- 06/03 – 08/04 **Analyst** at etsg emissions trading solutions St. Gallen, Switzerland
- 09/01 – 09/02 **Software developer** at IRT (Institut für Rundfunktechnik, Munich, Germany)

Peer-Reviewed Journal Publications

Jakob, M., Lessmann, K., Wildgrube, T. (forthcoming): The Role of Emissions Trading and Permit Allocation in International Climate Agreements with Asymmetric Countries. *Strategic Behavior and Environment*

Zimmer, A., **Jakob, M.**, Steckel, J. (2015): What motivates Vietnam to strive for a low-carbon economy? - An explorative case study on the drivers of climate policy in a developing country. *Energy for Sustainable Development*

Jakob, M., Edenhofer, O. (2014): Green Growth, Degrowth, and the Commons. *Oxford Review of Economic Policy* 30(3)

Jakob, M., Steckel, J., Klasen, S., Lay, J., Grunewald, N., Martínez-Zarzoso, I., Renner, S., Edenhofer, O. (2014): Feasible Mitigation Actions in Developing Countries. *Nature Climate Change*

Creutzig, F., Goldschmidt, J.C., Lehmann, P., Schmid, E., von Blücher, F., Breyer, C., Fernandez, B., **Jakob, M.**, Knopf, B., Lohrey, S., Susca, T., Wiegandt, K. (2014): Catching two European birds with one renewable stone: Mitigating climate change and Eurozone crisis by an energy transition. *Renewable and Sustainable Energy Reviews* 38: 1015-1028

Jakob, M., S. Brunner (2014): Optimal Commitment under Uncertainty: Adjustment Rules for Climate Policy. *Strategic Behavior and Environment* 4(3): 291-310

Jakob, M., J. Steckel, C. Flachsland, L. Baumstark (2014): Climate Finance: Curse or Blessing? *Climate and Development*

Grunewald, N., **Jakob, M.**, Mouratiadou, I. (2014): Decomposing Inequality in CO₂ Emissions: the Role of Primary Energy Carriers and Economic Sectors. *Ecological Economics* 100: 183-194

Jakob, M., J. Steckel, O. Edenhofer (2014): Consumption- vs. Production-Based Emission Policies: *Annual Review of Resource and Environmental Economics* 6

Jakob, M., J. Steckel (2014): How climate change mitigation could harm development in poor countries. *WIREs Climate Change* 5(2): 161-168

Staub-Kaminski, I., A. Zimmer, **M. Jakob**, R. Marschinski (2014): Climate Policy in Practice: A Typology of Obstacles and Implications for Integrated Assessment Modeling. *Climate Change Economics* 5(1)

Jakob, M., R. Marschinski, and M. Hübler (2013): Between a Rock and a Hard Place: A Trade-Theory Analysis of Leakage under Production- and Consumption-Based Policies. *Environmental and Resource Economics*

Steckel, J., R.J. Brecha, J. Strefler, **M. Jakob** and G. Luderer (2013): Development without energy? On the challenge of sustainable development in the context of climate change mitigation. *Ecological Economics*, 90: 53–67.

Jakob, M., R. Marschinski (2013): Interpreting CO₂ emission transfers. *Nature Climate Change*, 3(1):19-23.

Marschinski, R., C. Flachsland, and **M. Jakob** (2012): Linking Carbon Markets: A Trade-Theory Analysis. *Resource and Energy Economics* 34(4):585-606

Jakob, M. and K. Lessmann (2012): Signaling in International Environmental Agreements: The Case of Early and Delayed Action. *International Environmental Agreements: Policy, Law, and Economics* 12(4): 309-325

Jakob, M., G. Luderer, J. Steckel, M. Tavoni, S. Monjon (2012): Time to act now? Assessing the costs of delaying climate measures and benefits of early action. *Climatic Change* 114(1): 79-99

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

Jakob, M., M. Haller, R. Marschinski (2012): Will History Repeat Itself? Economic Convergence and Convergence in Energy Use Patterns. *Energy Economics* (34):95-104

Steckel, J., **M. Jakob**, G. Luderer, R. Marschinski (2011): From Carbonization to Decarbonization? - Past Trends and Future Scenarios for China's CO2 Emissions. *Energy Policy* 39(6):3443-3455.

Book Chapters

Edenhofer, O., C. Flachsland, **M. Jakob**, K. Lessmann (2014): The Atmosphere as a Global Commons - Challenges for Challenges for International Cooperation and Governance. In: Bernard, L., W. Semmler (eds.): *The Oxford Handbook of the The Oxford Handbook of the Macroeconomics of Global Warming*. Oxford University Press.

Jakob, M., Edenhofer, O. (2014): Multiple Objectives for Governance of the global commons. In: Rogall, H., Binswanger, H.-C., Ekardt, F., Grothe, A., Hasenclever, W.-D., Hauchler, I., Jänicke, M., Kollmann, K., Michaelis, N.V., Nutzinger, H.G., Scherhorn, G.: *Jahrbuch Nachhaltige Ökonomie 2014/15*, Metropolis-Verlag

Hansen, G., **M. Jakob**, S. Kadner (2012): Sustainable Development as a Cornerstone of a Future Energy System. In Edenhofer, O.; Wallacher, J.; Lotze-Campen, H.; Reder, M.; Knopf, B.; Müller, J. (Eds.): *Climate Change, Justice and Sustainability*. Springer.

IPCC

Contributing author to Ch. 9 of the IPCC Special Report on Renewable Energy, Renewable Energy in the Context of Sustainable Development (SRREN)

Contributing author to Ch. 4 of the IPCC Fifth Assessment Report (AR5)

Contributing author to Ch. 5 of the IPCC Fifth Assessment Report (AR5)

Contributing author to Ch. 13 of the IPCC Fifth Assessment Report (AR5)

Policy Papers

Knopf, B., Koch, N., Grosjean, G. Fuss, S., Flachsland, C., Pahle, **M., Jakob**, M., Edenhofer, O. (2014): The European Emissions Trading System (EU ETS): ex-post analysis, the market stability reserve and options for a comprehensive reform, FEEM Nota di Lavoro, 79.2014. Also published as Euro CASE Policy Position Paper.

Edenhofer, O., C. Carraro, J.-C. Hourcade, K. Neuhoff, G. Luderer, C. Flachsland, **M. Jakob**, A. Popp, J. Steckel, J. Strophsche, N. Bauer, S. Brunner, M. Leimbach, H. Lotze-Campen, V. Bosetti, E. de Cian, M. Tavoni, O. Sassi, H. Waisman, R. Crassous-Doerfler, S. Monjon, S. Dröge, H. van Essen, P. del Río, A. Türk (2009): RECIPE - The Economics of Decarbonization. Synthesis Report.

Edenhofer, O., Stern, N., Bauer, N., Brunner, S., Flachsland, C., **Jakob, M.** (2009). Towards a global Green Recovery. Recommendations for Immediate G20 Action. Report submitted to the G20 London Summit - 2 April 2009. *Prepared on behalf of the German Foreign Office*.

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

Opinion Pieces, Newspaper Articles etc.

Jakob, M., Hilaire, J. (forthcoming): Unburnable fossil-fuel reserves mapped. *Nature*

Edenhofer, O., Steckel, J.C., **Jakob, M.** (2014): Does Environmental Sustainability Contradict Prosperity? *Global Policy* 5(S1): 15-20

Edenhofer, O., **M. Jakob**, J. Steckel (2013): Wohlstand und ökologische Nachhaltigkeit – ein Widerspruch? *ifo Schnelldienst* 15: 22-25.

Jakob, M.: Carbon export taxes could prevent "trade wars" between China, EU and US. *China Dialogue online*

Jakob, M.: The fair cost of renewable energy. *Nature Climate Change* 2, p. 488–489, July 2012.

Edenhofer, O. and **M. Jakob:** Why the promise of "green growth" would be illusory without a climate protection agreement to go with it. *KfW Meinungsforum Entwicklungspolitik* 6, June 2012.

Edenhofer, O. and **M. Jakob:** Die Illusion des grünen Wachstums. *Frankfurter Allgemeine Zeitung*, 2 March 2012.

Marschinski, R. and **M. Jakob:** Reconsidering Copenhagen. *Nature Climate Change* 1 (6), p.297–298, September 2011.

Review activities

Nature, Nature Climate Change, PNAS, Environmental and Resource Economics, Environment Research Letters, Global Environmental Change, International Environmental Agreements, Environment and Development Economics, Technological Forecasting and Social Change, WIREs Climate Change, Climate Policy, Energy Policy, International Tax and Public Finance, International Review of Economics and Finance

Teaching

Winter Semester 2014/15: Climate and Development with Jan Steckel and Gregor Schwerhoff at the Technical University of Berlin

Summer Semester 2013: Teaching Assistant for "Climate Change Economics: Green Growth and New Models of Prosperity - Fairy Tale or Strategy?" at the Technical University of Berlin

Winter Semester 2010/2011: Seminar on Low-Carbon Development (with Jan Steckel) at Technical University of Berlin

Conferences

WCERE 2010 (Montreal); EARE 2011 and 2012 (Rome, Prague); SURED 2010 (Ascona); 5th Atlantic Workshop on Energy and Environmental Economics 2012 (A Toxa); NCCR Climate Economics and Law Conference 2009 and 2011 (Berne), MCC Public Finance Conference 2014 (Berlin), Anthropocene Campus 2014 (Berlin)