

CURRICULUM VITAE

Matthias Kalkuhl

Date of birth: 14 December 1982
Place of birth: Heilbad Heiligenstadt, Germany
Nationality: German

Address: Potsdam Institute for Climate Impact
Research (PIK)
P.O. Box 60 12 03
D-14412 Potsdam

E-Mail: kalkuhl@pik-potsdam.de
Phone: +49 331 288 2528



Education

- since 12/2008 **PhD student in Environmental Economics**
Supervisor: Prof. Dr. Ottmar Edenhofer
*Technical University (TU) Berlin, Germany, and Potsdam Institute for
Climate Impact Research (PIK), Germany.*
- 10/2002 – 11/2008 **Study of Applied System Science**
*University of Osnabrück, Germany, Department of Mathematics and
Computer Science. Courses in environmental science, mathematics,
computer science and ecology. Graduation as System Scientist (Dipl.-
Systemwissenschaftler)*
- 02/2006 – 07/2006 **Study of Mathematics**
ERASMUS exchange at the *University of Granada, Faculty of Sciences*
- 07/1993 – 06/2001 **Secondary school Bergschule St. Elisabeth, Heiligenstadt**
A-levels (Abitur)

Research and Work Experience

- current position (since 12/2008) **Research associate** at the *Potsdam Institute for Climate Impact
Research, Research Domain III "Sustainable Solutions"* (chaired by
Prof. Ottmar Edenhofer). Member of the *Policy Instruments* working
group.
- 08/2010 – 05/2011 **Contributing author for the IPCC's** Special Report on Renewable
Energy Sources and Climate Change Mitigation, Chapter 11 (Policy,
Financing and Implementation)

- 10/2008 – 04/2009 **Participation in the research project “China Economics of Climate Change - Towards a Low Carbon Economy”**, conducted by the *Potsdam Institute for Climate Impact Research, Stockholm Environment Institute, and Tsinghua University*
- 10/2007 – 11/2008 **Student assistant** at the *Potsdam Institute for Climate Impact Research*. Development of climate policy assessment models
- 05/2007 **Research internship** at the *Institute of Environmental Systems Research, University of Osnabrück* (4 weeks)
- 08/2006 – 10/2006 **Research internship** at the *Potsdam Institute for Climate Impact Research* (9 weeks)
- 10/2001 – 08/2002 **Civil service, Propsteigemeinde St. Marien, Heiligenstadt**
Child and youth work

Skills and Interests

Computer skills

- Programming languages: JAVA (advanced), C/C++ (basic), UNIX shell programming (basic)
- Word and data processing: LaTeX (advanced), MS Office and OpenOffice (advanced)
- Specific software skills: GAMS (advanced), Gnuplot (advanced), Mathematica (intermediate level), Matlab (intermediate level), GNU R (basic)

Languages

- German (native speaker)
- English (fluent in writing, reading and speaking)
- Spanish (intermediate level)

Fields of scientific interest

- Environmental and resource economics
- (Intertemporal) CGE modeling
- Welfare economics
- Development economics

Publications and Conference Contributions

Peer-reviewed Papers

- Edenhofer, O. and M. Kalkuhl (2011): When Do Increasing Carbon Taxes Accelerate Global Warming? A Note on the Green Paradox. *Energy Policy*, 39(4), pp. 2208–2212.
- Steckel, J.C., M. Kalkuhl, and R. Marschinski (2010): Should Carbon-exporting Countries Strive for Consumption-based Accounting in a Global Cap-and-trade Regime? *Climatic Change Letters*, 100 (3), pp. 779–786.

Working Papers (currently under review for environmental economic journals)

- Kalkuhl, M., O. Edenhofer and K. Lessmann (2011): Renewable energy subsidies: Second-best policy or fatal aberration for mitigation? *FEEM Working Paper* 48.2011
- Kalkuhl, M., O. Edenhofer and K. Lessmann (2011): Learning or Lock-in: Optimal Technology Policies to Promote Mitigation. *CESifo Working Paper* No. 3422
- Kalkuhl, M. and O. Edenhofer (2010): Prices vs. Quantities and the Intertemporal Dynamics of the Climate Rent. *CESifo Working Paper* No. 3044

Other Publications (Book Chapters etc.)

- Mitchell, C. et al. (2011): "Policy, Financing and Implementation." In: *IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation*, Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA. (Contributing author of Chapter 11)
- Edenhofer, O., R. Pietzcker, M. Kalkuhl, E. Kriegler (2011): "Taxation Instruments for Reducing Greenhouse Gas Emissions, and Comparison with Quantity Instrument" in: *The Economics of Climate Change in China. Towards a Low Carbon Economy*. Earthscan.
- Edenhofer, O., R. Pietzcker, M. Kalkuhl, E. Kriegler (2010): "Price and Quantity Regulation for Reducing Greenhouse Gas Emissions" in: *Global Sustainability – A Nobel Cause*. Cambridge University Press.
- Edenhofer, O. and M. Kalkuhl (2009): Das grüne Paradoxon - Menetekel oder Prognose (2009) in: Beckenbach et al. (Eds.) *Jahrbuch Ökologische Ökonomik* 6. Metropolis-Verlag.
- Edenhofer, O., Knopf, B., Kalkuhl, M. (2009): CCS - CO₂ Sequestrierung: Ein wirksamer Beitrag zum Klimaschutz? *ifo Schnelldienst*, 3/2009.

Conference Contributions and Talks

- 18th Annual Conference of the European Association of Environmental and Resource Economists (EAERE) in Rome with the presentation: *Learning or Lock-in: Optimal Technology Policies to Promote Mitigation*. June 29 to July 2, 2011.
- 18th Annual Conference of the European Association of Environmental and Resource Economists (EAERE) in Rome together with Ottmar Edenhofer: *Renewable Energy Subsidies: Second-best Policy or Fatal Aberration for Mitigation?* June 29 to July 2, 2011.
- 4th World Congress of Environmental and Resource Economists (WCERE) in Montreal together with Ottmar Edenhofer: *Prices vs. Quantities and the Intertemporal Dynamics of the Climate Rent*. June 28 to July 2, 2010.
- Conference on Sustainable Resource Use and Economic Dynamics (SURED) in Ascona: *Prices vs. Quantities and the Intertemporal Dynamics of the Climate Rent*. June 7 to June 10, 2010.
- Oxford University, Department of Economics, Institute for Global Economic Development, together with Ottmar Edenhofer: *Integrated Policy Assessment in the Context of Global Warming*. May 25, 2010.
- ETH Zürich, together with Ottmar Edenhofer and Kai Lessmann: *Integrated Policy Assessment in the Context of Global Warming*. March 8, 2010.
- 13th International Symposium on Dynamic Games and Applications in Wrocław: *Climate Policy Instruments in a Differential Stackelberg Game with Market Imperfections*. June 30 to July 3, 2008.