

## CURRICULUM VITAE

# NICOLAS T. KOCH

Mercator Research Institute on Global Commons and Climate Change  
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### CURRENT POSITIONS

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- 10/2013– **Senior Researcher** at Mercator Research Institute on Global Commons & Climate Change  
**Project Leader** The Next Generation Policies Project
- 8/2017– **Guest Researcher** at RWI - Leibniz Institute for Economic Research

### PAST POSITIONS

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- 6/2009–9/2013 Research Assistant and PhD student at the Chair of Capital Markets and Management  
(Prof Alexander Bassen), University of Hamburg
- 3/2013 Visiting Lecturer at BEM Bordeaux Management School
- 4/2012–5/2012 Visiting Researcher at the Environmental & Energy Finance Group  
(with Prof Raphael Markellos), University of East Anglia

### EDUCATION

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- 9/2013 PhD (summa cum laude)  
UNIVERSITY OF HAMBURG  
Supervisors: Prof Alexander Bassen; Prof Hermann Held  
Topic: Essays in Finance, Energy and Emissions Trading
- 5/2009 MSc (Diplom) in Economics (with distinction)  
UNIVERSITY OF HAMBURG
- Undergraduate and Graduate Studies in Economics  
UNIVERSITY OF HAMBURG (2006–09)  
UNIVERSITÉ PARIS I PANTHÉON-SORBONNE (2007–08)  
CHRISTIAN ALBRECHTS UNIVERSITY KIEL (2005–06)  
PHILIPPS-UNIVERSITY MARBURG (2003–05)

## RESEARCH

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### Research Interest

Environmental and Energy Economics, Labor Markets & Environment, Environmental Finance

### Journal Articles

Fuss, S., Flachsland, C., Koch, N., Kornek, U., Knopf, B., Edenhofer, O. (2018): An assessment framework for intertemporal economic performance of cap-and-trade systems: lessons from the EU-ETS, *Review of Environmental Economics and Policy*, 12(2), 220-241.

Grosjean, G., Fuss, S., Koch, N., Bodirsky, B., De Cara, S., Acworth, W. (2018): Options to overcome the barriers to pricing European agricultural emissions, *Climate Policy*, 18(2), 151-169.

Golub, A., Fuss, S., Lubowski, R., Hiller, J., Khabarov, N., Koch, N., Krasovskii, A., Kraxner, F., Laing, T., Obersteiner, M., Palmer, C., Piris-Cabezas, P., Reuter, W., Szolgayová, J., Taschini, L. Wehkamp, J. (2018): Escaping the climate policy uncertainty trap: options contracts for REDD+, *Climate Policy*, 18(10), 1227-1234.

Wehkamp, J., Pietsch, S., Fuss, S., Gusti, M., Reuter, W., Koch, N., Kindermann, G., Kraxner, F. (2018): Accounting for institutional quality in global forest modeling, *Environmental Modelling & Software*, 102, 250-259.

Zimmer, A., Koch, N. (2017): Fuel Consumption Dynamics in Europe: Tax Reform Implications for Air Pollution and Carbon Emissions, *Transportation Research Part A: Policy and Practice*, 106, 22-50.

Wehkamp, J., Koch, N., Fuss, S., (2017): Governance and deforestation - A meta-analysis in economics, *Ecological Economics*, 144, 214-227.

Algieri, B., Kalkuhl, M., Koch, N. (2017): A tale of two tails: Explaining extreme events in financialized agricultural markets, *Food Policy*, 69, 256-269.

Koch, N., Reuter, W., Fuss, S., Grosjean, G. (2017): Permits vs. offsets under investment uncertainty, *Resource and Energy Economics*, 49, 33-47.

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.

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.

Koch, N. (2014): Tail events: A new approach to understanding extreme energy commodity prices, *Energy Economics*, 43, 195-205.

Koch, N. (2014): Dynamic linkages among carbon, energy and financial markets: A smooth transition approach, *Applied Economics*, 46, 715-729.

Koch, N., Bassen, A. (2013): Valuing the carbon exposure of European utilities. The role of fuel mix, permit allocation and replacement investments, *Energy Economics*, 36, 431-443.

Basse-Mama, H., Koch, N., Bassen, A., Bank, T. (2013): Valuation effects of corporate strategic transactions in the cleantech industry, *Journal of Business Economics*, April 2013.

### Working Papers

Themann, M., Koch, N. (2018): Catching up and falling behind: Cross-country evidence on the impact of the EU ETS on productivity growth, WCERE 2018 Conference Paper.

Burghaus, K., Koch, N., Bauer, J., Edenhofer, E. (2018): Lobbying, relocation risk and allocation of free allowances in the EU ETS, CPLC Conference Paper.

Kraus, S., Koch, N. (2018): Plantation agriculture and structural change: Evidence from spillovers on Indonesian manufacturing firms, IRSA International Conference Paper.

Koch, N., zu Ermgassen, E., Wehkamp, J., Oliveira Filho, F., Schwerhoff, G. (2017): Agricultural Productivity and Forest Conservation: Evidence from the Brazilian Amazon, SSRN Working Paper, 3031416.

Koch, N., Basse Mama, H. (2016): European climate policy and industrial relocation: Evidence from German multinational firms, SSRN Working Paper, 2868283.

Koch, N., Markellos, R. (2016): The pricing of environmental risks with non-pecuniary benefits, EAERE 2017 Conference Paper.

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.

### Media coverage

Handelsblatt, Tagesspiegel, Hamburger Abendblatt, Handelszeitung, Klimaretter.info (online), Carbon Pulse (online)

## TALKS AT CONFERENCES, SEMINARS & WORKSHOPS

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- 2018 6th World Congress of Environmental and Resource Economists, Gothenburg  
FZU-ZEW EnvEcon Seminar, Mannheim
- 2017 23rd Annual Conference of the EAERE, Athens  
AERE Summer Conference, Pittsburgh  
European Climate Foundation's Dialogue Forum on EU ETS, Berlin
- 2016 Research Seminar Environmental Economics and Management, Hamburg  
22nd Annual Conference of the EAERE, Zurich  
Research Seminar on Environment, Resource and Climate Economics, Berlin
- 2015 FSR Climate 2015 Annual Conference, Florence  
Tsinghua-Hertie-USC Energy Policy Exchange Forum, Beijing  
3rd International Symposium on Energy and Finance Issues (ISEFI-2015), Paris  
envecon 2015, London  
59th AARES Annual Conference, Rotorua, New Zealand
- 2014 3rd CEC Conference on "Emission trading in the 2030 framework", Paris  
Euro-CASE Workshop on EU ETS, Brussels  
5th Research Workshop on Energy Markets, Valencia
- 2013 Energy Finance Conference 2013, Essen  
10th European Energy Market Conference (EEM13), Stockholm
- 2012 PRI-CBERN Academic Network Conference, Toronto  
9th BIEE Academic Conference, Oxford
- 2011 5th CSDA Conference on Computational & Financial Econometrics (CFE'11), London
- 2010 33rd IAEE International Conference, Rio de Janeiro  
8th Workshop of PhD Student Chapters of GEE, Mannheim

## REFEREE SERVICE

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*Climate Policy; Climatic Change; Ecological Economics; Economic Modelling; Energy Economics; Energy Policy; Journal of Applied Statistics; Journal of Environmental Economics and Management; Macroeconomic Dynamics; Scandinavian Journal of Economics*

## TEACHING EXPERIENCE

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*Statistics II – Time Series, Panel Data and Limited Dependent Variables* (Master)

Lecture (English) with Jan Christoph Minx

Hertie School of Governance, Winter 2015 and 2016

*The Economics of Climate Change* (Lecture by Ottmar Edenhofer) (Master)

Tutorial (English) with Jan Steckel/Gregor Schwerhoff/Lion Hirth

Technical University of Berlin, Summer 2014 and 2015

*Environmental, Social, Governance (ESG) and Capital Markets* (Master)

Lecture (English)

BEM Bordeaux Management School, March 2013

*Valuation* (Bachelor)

Seminar (German)

University of Hamburg, Summer 2010 and 2013, Winter 2010, 2011, 2012

*Investments* (Bachelor)

Two tutorials (German)

University of Hamburg, Winter 2009, 2010, 2011, 2012

*Financial Management* (Executive Education)

Lecture (German)

University of Hamburg, Summer 2012, 2013, 2014, 2015, 2016

*Environmental, Social and Corporate Governance* (Bachelor)

Lecture (German) with Alexander Bassen

University of Hamburg, Summer 2010

*Intermediate Microeconomics* (Lecture by Wilhelm Pfähler) (Bachelor)

Two student tutorials

University of Hamburg, Summer 2007

## MISCELLANEOUS

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### Training

Seminar “Teaching in English”, Internationale DAAD-Akademie (September 2011)

Essex Summer School in Social Science Data Analysis and Collection (August 2010 and August 2011)

### Memberships

Member of the European Association of Environmental and Resource Economists (EAERE)

Member of the Association for Student Exchange Programs in Central and Eastern Europe (GFPS e.V.)

### Languages

German (native), English (fluent), French (high proficiency), Polish (basic knowledge)

### Programming Skills

Stata, MatLab, GAUSS, EViews, L<sup>A</sup>T<sub>E</sub>X

### Personal

Born 1983. German citizen. Married with one child.