

Markus Ohndorf

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Research Interests

Environmental and Climate Economics, Institutional Economics, Public Choice, Law and Economics

Education and Qualifications

- 2009 Dr. sc. (ETH) (Ph.D. in Economics), ETH Zurich, Switzerland
- 2000 Lic. rer. pol. (German/French bilingual Master of Economics), University of Fribourg, Switzerland

Employment

- Since 2016: Professor for Environmental Economics at the Department of Public Finance, University of Innsbruck, Austria
- 2010-2015: Senior Researcher ("Oberassistent") at the Chair of Economics, ETH Zurich
- 2009-2010: Postdoctoral Researcher at the Institute for Environmental Decisions (IED), ETH Zurich
- 2006-present: Lecturer at ETH Zurich for Environmental Economics
- 2005-2007: Co-research analyst for the German Advisory Council on Global Change (WBGU)
- 2003-2006: Research Assistant at the Center for Economic Research, ETH Zurich
- 2001-2002: Research Assistant for the World Business Council for Sustainable Development (WBCSD), Geneva, Switzerland
- 2000-2001: Business Consultant for Information Technologies for Accenture (section Financial Markets), Frankfurt, Germany
- 1994-1996: NGO representative for AIESEC at United Nation Conferences ("Habitat II" in Istanbul, the World Summit of Social Development in Copenhagen, and the respective Preparation Committees in New York)

Publications

Articles in refereed journals

1. Coasean Bargaining in the Presence of Pigouvian Taxation, with Ian MacKenzie, *Journal of Environmental Economics and Management* 75C, January 2016, pp. 1-11, doi: 10.1016/j.jeem.2015.09.003.
2. Caps on Coasean Transfers, with Ian MacKenzie, *Oxford Economic Papers*, forthcoming.
3. Advancing the interdisciplinary dialogue on climate justice, with Dominic Roser, Christian Huggel, Ivo Wallimann-Helmer, *Climatic Change* 133(3), December 2015, pp 349-359.
4. Emission budget approaches for burden sharing: some thoughts from an environmental economics point of view, with Julia Blasch and Renate Schubert, *Climatic Change* 133(3), December 2015, pp 385-395.
5. Altruism, Moral Norms and Social Approval: Joint Determinants of Individual Offset Behavior, with Julia Blasch, *Ecological Economics* 116, August 2015, p. 251-260.
6. A model of benchmarking regulation: revisiting the efficiency of environmental standards, with Joschka Gerigk and Ian MacKenzie, *Environmental and Resource Economics* 62(1), September 2015, pp 59-82. (The paper received the EAERE Award for Outstanding Publication in ERE 2015.)
7. Restricted Coasean Bargaining, with Ian MacKenzie, *Journal of Public Economics* 97, January 2013, pp 296-307.
8. Optimal monitoring of credit-based emissions trading under asymmetric information, with Ian MacKenzie, *Journal of Regulatory Economics* 42(2), October 2012, pp 180-203.
9. Cap-and-trade, taxes, and distributional conflict, with Ian MacKenzie, *Journal of Environmental Economics and Management* 63(1), January 2012, pp 51-65.
10. Prices vs. Quantities with Fiscal Cushioning, with Moritz Rohling, *Resource and Energy Economics* 34(2), May 2012, pp 169-187.
11. Enforcement-proof contracts with moral hazard in precaution: ensuring 'permanence' in carbon sequestration, with Ian MacKenzie and Charles Palmer, *Oxford Economic Papers* 64(2), April 2012, pp 350-374.
12. Optimal liability apportionment in programmatic credit-based emissions trading, with Katja Halbritter, *Climate Policy* 12(4), August 2012, pp 440-452.

Book contributions

Klimapolitik auf der Basis klima-oekonomischer Modelle? (with Renate Schubert and Anna Delas), 2014, Review article, *Schweizerische Zeitschrift fuer Forstwesen* 165, 210.

Mainstreaming Impact over Time - Who Measures What for Whom?, (with Renate Schubert and Moritz Rohling) in: Koehn, D. (ed.) (2012), *Greening the Financial Sector: How to Mainstream Environmental Finance in Developing Countries*, Springer, Berlin, Heidelberg, 165-190.

Regulatory and Contractual Issues within the Clean Development Mechanism of the Kyoto Protocol - An Economic Analysis. PhD Thesis, ETH Zurich (2009). doi:10.3929/ethz-a-005915145.

International Cooperation behind national Borders: Country Case Study on Switzerland, (with Renate Schubert) prepared for the Book Project *The New Public Finance: Responding to Global Challenges*, 2005, Office of Development Studies, United Nations Development Programme (UNDP), New York.

When Accountants create Knowledge - Learnings from the International Standardization of Greenhouse Gas Accounting, (with Simon Schmitz), 2004, in: Frank Biermann, Sabine Campe, Klaus Jacob, eds. Proceedings of the 2002 Berlin Conference on the Human Dimensions of Global Environmental Change "Knowledge for the Sustainability Transition. The Challenge for Social Science", Global Governance Project: Amsterdam, Berlin, Potsdam and Oldenburg, 21-31.

GHG Protocol guidance on uncertainty assessment in GHG inventories and calculating statistical parameter uncertainty (with Michael Gillenwater), 2003, Contribution to the Greenhouse Gas Protocol Initiative, Online Publication.

Contributions to WBGU Publications

As co-research analyst for the German Advisory Council on Global Change (WBGU), I contributed to the following publications:

The Future Oceans - Warming Up, Rising High, Turning Sour, Special Report, WBGU Berlin, 2006.

Climate Change as a Security Risk, WBGU Flagship report, London/Sterling, VA: Earthscan 2008.

Selected Working Papers

Optimal Monitoring for project-based Emissions Trading Systems under incomplete Enforcement, IED Working Paper 13, August 2010.

Irreversibility and Optimal Timing of Climate Policy with Justin Caron, IED Working Paper 14, December 2010.

The Current Climate and Energy Policy in the EU and in Switzerland, with J. Gerigk, K.S. Halbritter, M.J.J. Handgraaf, J. Manser, and R. Schubert, Off4Firms Working Paper ETH Zurich, December 2012.

Work in progress

Environmental Policy Diffusion, Lobbying, and Market Structure, with Joschka Gerigk and Ian MacKenzie;

Public Goods with peer punishment and enforceable third-party monitoring, with Philipp Buchenauer;

American or English? A comparison of optimal contracting under alternative legal-fee structures, with Ian MacKenzie;

The role of culture for climate change mitigation - Exploring behavioral barriers and policy instruments in a cross-country study, with Julia Blasch, Katharina Momsen and He Shutong;

The Interaction of altruism and honesty preferences in public good games with incomplete monitoring, with Elisabeth Gsottbauer and Philipp Buchenauer;

Incomplete Enforcement of environmental policy instruments with endogenous enforcement probabilities;

The influence of political preferences on Cooperation, with Katharina Momsen and Katharina Poell;

Grants and Awards

EAERE Award for Outstanding Publication in the Journal Environmental and Resource Economics (ERE) 2015, received at EAERE 2016

Off4Firms - EIT Climate-KIC Innovation Project - 01.04.2012-01.06.2014

Applied research on Employer-led CO₂ and Energy Reductions by Employees, Project ownership together with Prof. Renate Schubert in collaboration with Southpole Carbon, Zurich, and Wageningen University, Netherlands (Overall Grant 1.2 Mio Euro)

Professional Memberships

Association of Environmental and Resource Economics (AERE)

European Economic Association (EEA)

European Association of Environmental and Resource Economics (EAERE)

European Association of Law and Economics (EALE)

Swiss Association of Economics and Statistics (SSES)

Zurich Carbon Market Association (ZMCA)

Other Assignments

Co-guest-Editor for a Special Issue of *Climatic Change* on Climate Justice (*Climatic Change* 133 (3), published in December 2015);

Representative of ETH Zurich at UNEP's First Global Intergovernmental and Multi-stakeholder Consultation on the fifth Global Environment Outlook Report (GEO-5), 29-31 March 2010, United Nations Environment Programme (UNEP), Nairobi, Kenya;

Contributor to the ETH Climate-Blog and moderation/organization of numerous events at ETH Zurich related to Climate and Energy Policy.

Co-founder of the Zurich Network for Interdisciplinary Climate Research and the Zurich Carbon Market Association

Reviewing Activity

Reviewer for the following peer-reviewed Journals:

Journal of Public Economics, Journal of Environmental Economics and Management, Resource and Energy Economics, Environmental and Resource Economics, Ecological Economics, American Journal of Agricultural Economics, International Tax and Public Economics, Scandinavian Journal of Economics, Energy Policy, Climate Policy, and others.

Reviewer of the UNEP Global Environmental Outlook GEO4, 2007 and GEO5, 2012, for the United Nations Environment Programme (UNEP), Nairobi, Kenya.

Expert Reviewer of the Working Group (WG) III contribution to the IPCC Fifth Assessment Report (AR5).

Referee work for the European Environment Agency and the German Federal Ministry of Education and Research,

Peer Reviewer for the GHG Protocol Initiative: Review of the publications on the standardization of Greenhouse Gas accounting on the corporate level.

Languages

German mother tongue

French fluent in spoken and written

English fluent in spoken and written

Last updated: August 9, 2018