

# CURRICULUM VITAE

Martin F. Quaas

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## PERSONAL DATA

born January 29, 1974 in Düsseldorf, Germany

married, two children

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## EDUCATION

2004            PhD, Economics, University of Heidelberg (summa cum laude)

1998            Diplom (MSc), Physics, University of Duisburg

1993            Abitur, Helmholtz-Gymnasium, Essen

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## POSITIONS

since 2010    Professor of Environmental, Resource-, and Ecological Economics,  
Department of Economics, Christian-Albrechts-University of Kiel

2007-2010    Juniorprofessor of Environmental, Resource-, and Ecological Econom-  
ics, Department of Economics, Christian-Albrechts-University of Kiel

2004-2007    Postdoc, Department of Ecological Modelling, Helmholtz Centre for  
Environmental Research – UFZ, Leipzig

2006            Postdoc, CentER for Economic Research, Department of Economics,  
Tilburg University, The Netherlands (January–August)

2002-2004    Research and Teaching Assistant, Interdisciplinary Institute of Envi-  
ronmental Economics, University of Heidelberg (Coordination of PhD  
Programme *Environmental and Resource Economics*)

2001            Visiting Scholar, Indira Ghandi Institute for Development Research,  
Mumbai, India (February–March)

2000            Research and Teaching Assistant, Alfred Weber Institute, University of  
Heidelberg

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## FIELDS OF RESEARCH

Ecological Economics

Environmental and Natural Resource Economics

Urban and Geographical Economics

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## EXTERNALLY FUNDED RESEARCH PROJECTS

- 2010-2013 Efficient inter- and intragenerationally just use of ecosystem services (EIGEN) – sustainability-economic analysis of trade-offs in biodiversity and fishery policy (German Federal Ministry of Education and Research; 299 k€)
- 2010-2012 FACTS – Foraging Fish Interactions (European Commission; 75 k€)
- 2009-2012 BIOACID – Biological Impacts of Ocean Acidification (German Federal Ministry of Education and Research; 76.5 k€)
- 2007-2011 Leader of the Junior Research Group *Living Resources and Overfishing* within the Kiel Cluster of Excellence *Future Ocean* (German Research Foundation; 840 k€)
- 2007-2010 Sustainable Use of Ecosystem Services under Uncertainty (German Federal Ministry of Education and Research; 229 k€)
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## PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

- [15] Skonhoft A, Vestergaard, N and Quaas MF. (forthcoming). Optimal harvest in an age structured model with different fishing selectivity. *Environmental and Resource Economics*.
- [14] Voss R, Hinrichsen HH, Quaas MF, Schmidt JO, and Tahvonen O. (forthcoming). Temperature change and Baltic sprat: from observations to ecological-economic modeling. *ICES Journal of Marine Science*.
- [13] Froese R., T.A. Branch, A. Proelß, M.F. Quaas, K. Sainsbury, and C. Zimmermann (forthcoming). Generic Harvest Control Rules for European Fisheries. *Fish and Fisheries*.
- [12] Derissen S., M.F. Quaas, and S. Baumgärtner (2011). The relationship between resilience and sustainable development of ecological-economic systems. *Ecological Economics*, **70**: 1121–1128.
- [11] Lange, A. and M.F. Quaas (2010). Analytical characteristics of the core-periphery model. *International Regional Science Review*, **33**(4): 437-455.
- [10] Baumgärtner, S. and M.F. Quaas (2010). Sustainability economics - general versus specific, and conceptual versus practical. *Ecological Economics*, **69**: 2056-2059.
- [9] Baumgärtner, S. and M.F. Quaas (2010). Managing Increasing Environmental Risks Through Agro-biodiversity and Agri-environmental Policies. *Agricultural Economics* **41**(5): 483-493.
- [8] Baumgärtner, S. and M.F. Quaas (2010). What is Sustainability Economics? *Ecological Economics*, **69**: 445-450.
- [7] Jöst, F. and M.F. Quaas (2010). Environmental and Population Externalities. *Environment and Development Economics*, **15**(01): 1-19.
- [6] Baumgärtner, S. and M.F. Quaas (2009). Ecological-economic Viability as a Criterion of Strong Sustainability under Uncertainty. *Ecological Economics*, **68**: 2008-2020.

- [5] Baumgärtner, S., C. Becker, K. Frank, B. Müller and M.F. Quaas (2008). Relating the Philosophy and Practice of Ecological Economics. The Role of Concepts, Models and Case Studies in Inter- and Transdisciplinary Sustainability Research. *Ecological Economics*, **67**(3): 384–393
- [4] Quaas, M. F. and S. Baumgärtner (2008). Natural vs. Financial Insurance in the Management of Public-good Ecosystems. *Ecological Economics* **65**: 397–406
- [3] Lange, A. and M.F. Quaas (2007). Economic Geography and the Effect of Environmental Pollution on Agglomeration, The B.E. Journal of Economic Analysis & Policy 7(1, Topics), Article 52.
- [2] Quaas, M. F., S. Baumgärtner, C. Becker, K. Frank and B. Müller (2007). Uncertainty and Sustainability in the Management of Rangelands, *Ecological Economics* **62**: 251–266. Reprinted in C. Perrings (ed.), *Ecological Economics*, Sage Publications, Thousand Oaks: 229-260.
- [1] Quaas, M. F. (2007). Pollution-reducing Infrastructure and Urban Environmental Policy, *Environment and Development Economics* **12**(2): 213–234.
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## OTHER PUBLICATIONS

- [8] Maribus and Cluster of Excellence *Future Ocean* (2010). World Ocean Review, Mare.
- [7] Quaas, M.F., Reichenbach, J. and Requate, T. (2010). Überfischung: Hintergründe und Wege in ein besseres Fischereimanagement. *Geographische Rundschau* **5/2010**.
- [6] Quaas, M.F., Schmidt, J.O. and Voss, R. (2009). Fischereimanagement mittels exklusiver Fanggebiete – ökonomische Sicht. In M. v. Lukowicz and V. Hilge (eds), *Arbeiten des Deutschen Fischereiverbandes e.V.* **87**: 143–152.
- [5] Quaas, M.F. (2009). Ökonomische Nachhaltigkeit. In: M.C.M. Müller (ed), *Nachhaltigkeit: Burnout eines revolutionären Anspruchs?*, Evangelische Akademie Loccum, Rehburg-Loccum: 27–30.
- [4] Baumgärtner, S. and Quaas, M. F. (2008). Agro-biodiversity as Natural Insurance and the Development of Financial Insurance Markets. In: A. Kontoleon, U. Pascual and M. Smale (eds), *Agrobiodiversity, Conservation and Economic Development*, Routledge, London: 293–317.
- [3] Quaas, M. (2008). Book review of Precautionary Politics: Principle and Practice in Confronting Environmental Risk by K. H. Whiteside. *Ecoscience* **15**(4): 556.
- [2] Frank, K., S. Baumgärtner, C. Becker, B. Müller, B. and M. F. Quaas (2006). Ecological-economic Models for Sustainable Grazing in Semi-arid Regions: Between Concepts and Case studies. In: H. Leser (Ed.): *The Changing Culture and Nature of Namibia: Case Studies*. Publishing House Basler Afrika Bibliographien, Basel/Windhoek: 69- 89.
- [1] Quaas, M. F. (2004). *Bevölkerung und Umweltökonomie. Zeitliche und räumliche Perspektiven*. Metropolis, Marburg.
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## PRESENTATIONS AT PEER-REVIEWED INTERNATIONAL CONFERENCES

- 2010 SURED Sustainable Resource Use and Economic Dynamics, Monte Verita, Ascona  
World Congress of Environmental and Resource Economists, Montreal  
International Society for Ecological Economics, Oldenburg/Bremen  
Annual Congress, Verein für Socialpolitik, Kiel
- 2009 Annual Congress, Verein für Socialpolitik, Magdeburg  
European Association of Environmental and Resource Economists, Amsterdam
- 2008 BIOECON Economic Analysis of Ecology and Biodiversity, Cambridge  
Annual Congress, Verein für Socialpolitik, Graz  
SURED Sustainable Resource Use and Economic Dynamics, Monte Verita, Ascona
- 2007 Annual Congress, Verein für Socialpolitik, München  
European Association of Environmental and Resource Economists, Thessaloniki  
European Society for Ecological Economics, Leipzig
- 2006 BIOECON Economic Analysis of Ecology and Biodiversity, Cambridge  
World Congress of Environmental and Resource Economists, Kyoto  
SURED Sustainable Resource Use and Economic Dynamics, Monte Verita, Ascona  
Economics of Poverty, Environment and Natural Resource Use, Wageningen
- 2005 BIOECON Economics and the Analysis of Biology and Biodiversity, Cambridge  
European Society for Environmental and Resource Economics, Bremen  
European Society for Ecological Economics, Lisbon  
Swiss Society for Economics and Statistics, Zurich
- 2004 International Society for Ecological Economics, Montreal
- 2003 Frontiers 2 – European Applications in Ecological Economics, Tenerife
- 2002 International Society for Ecological Economics, Sousse, Tunisia
- 2000 European Society for Ecological Economics, Vienna

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## ORGANISATION OF INTERNATIONAL SCIENTIFIC CONFERENCES

- 2010 ICES Workshop on *Introducing coupled ecological-economic modelling and risk assessment into management tools (WKIMM)*, Kiel, Germany
- 2008 International workshop *Conceptualizing Sustainability under Uncertainty*, Camp Reinsehlen, Germany  
Session on Marine Life and Biodiversity, 2nd Bi-Annual Symposium: *The Future Ocean*, Kiel, Germany
- 2007 7<sup>th</sup> Conference of the European Society for Ecological Economics: *Integrating Natural and Social Sciences for Sustainability*, Leipzig
- 2004 International workshop *Environment and Network Industries*, University of Heidelberg
- 2003 Member of the scientific committee, Conference *New blood in ecotoxicology*, Society of Environmental Toxicology and Chemistry, University of Heidelberg
- 2003 International workshop *Spatial Environmental Economics*, University of Heidelberg
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## REVIEWER FOR INTERNATIONAL JOURNALS

Biological Conservation; Biomass & Bioenergy; Eastern Economic Journal; Ecological Economics; Ecosystem Health; Environment and Development Economics; Environmental and Resource Economics; Fish and Fisheries; Journal of Applied Ecology; Journal of Applied Ichthyology; Journal of Economic Dynamics and Control; Journal of Economic Geography; Journal of Economic Growth; Journal of Environmental Economics and Management; Journal of Environmental Management; Journal of Population Economics; Journal of Urban Economics; Natural Resource Modeling; Papers in Regional Science; Resource and Energy Economics; South African Journal of Wildlife Research; Zeitschrift für Umweltpsychologie

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## REVIEWER FOR FUNDING AGENCIES

German Academic Exchange Service (DAAD); German Federal Ministry of Education and Research (BMBF); German National Academic Foundation; Austrian Science Fund (FWF); Czech Science Foundation