

# CURRICULUM VITAE

Martin F. Quaas

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## EDUCATION

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| 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

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|------------|--|
| 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 Economics, 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 Environmental Economics, University of Heidelberg (Coordination of PhD Program <i>Environmental and Resource Economics</i> ) |
| 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

2017-2018	marEEshift – Marine ecological-economic systems in the Western Baltic Sea and beyond: Shifting the baseline to a regime of sustainability (pre-Phase funded by German Federal Ministry of Education and Research, BMBF, in the BioTip program)
2017-2018	Humboldt-Tipping – Tipping points of the Humboldt Current Upwelling System and Economic Repercussions (pre-Phase funded by German Federal Ministry of Education and Research, BMBF, in the BioTip program)
2016–2019	LEAC II – LEarning About Cloud modification under risk and uncertainty: Investigation of feasibility, traceability, Incentives and decentralised governance of limited-area climate engineering (German Research Foundation, DFG priority programme 1689 Climate Engineering: Risks, Challenges, Opportunities?)
2015–2018	KoBeFish – Nachhaltiger Konsum und Bewirtschaftung von Meeresfischen (Sustainable consumption and management of marine fisheries; German Federal Ministry of Education and Research, BMBF)
2012–2017	Phase II of Future Ocean, Cluster of Excellence
2013–2016	LEAC – Learning about cloud brightening under risk and uncertainty: Whether, when and how to do field experiments (German Research Foundation, DFG priority programme 1689 Climate Engineering: Risks, Challenges, Opportunities?)
2013-2017	AWA – Ecosystem Approach to the management of fisheries and the marine environment in West African waters (German Federal Ministry of Education and Research, BMBF)
2012–2015	BIOACID II – Biological Impacts of Ocean Acidification (German Federal Ministry of Education and Research, BMBF)
2012–2015	ECCUITY – Economics of Climate Change: Distribution, Efficiency, and Policy under Uncertainty (German Federal Ministry of Education and Research, BMBF)
2012–2015	MYFISH – Maximising yield of fisheries while balancing ecosystem, economic and social concerns (European Commission)
2012–2015	SOCIOEC – Socio economic effects of management measures of the future CFP (European Commission)
2010–2013	EIGEN – Efficient inter- and intragenerationally just use of ecosystem services (German Federal Ministry of Education and Research, BMBF)
2010–2012	FACTS – Foraging Fish Interactions (European Commission)
2009–2012	BIOACID – Biological Impacts of Ocean Acidification (German Federal Ministry of Education and Research, BMBF)
2007–2011	Junior Research Group <i>Living Resources and Overfishing</i> within the Kiel Cluster of Excellence <i>Future Ocean</i>
2007–2010	Sustainable Use of Ecosystem Services under Uncertainty (German Federal Ministry of Education and Research, BMBF)

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## PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

- 70 articles in peer-reviewed international journals since 2007
- h Index 16, 845 citations (Web of Science, 3 January 2018)
- h Index 17, 978 citations (Scopus, 3 January 2018)
- ORCID: 0000-0003-0812-8829
- ResearcherID: C-4220-2012
- SCOPUS Author ID: 22958134600

### forthcoming

[70] Quaas MF, Smulders S (2017). Brown Growth, Green Growth, and the Efficiency of Urbanization. *Environmental and Resource Economics*. doi 10.1007/s10640-017-0172-1

[69] Quaas MF, Stoeven M, Klauer B, Schiller J, Petersen T (2017). Windows of opportunity for sustainable fisheries management: The case of Eastern Baltic cod. *Environmental and Resource Economics*. doi 10.1007/s10640-017-0122-y

[68] Tahvonen O, Quaas MF, Voss R (2017). Harvesting selectivity and stochastic recruitment in economic models of age-structured fisheries. *Journal of Environmental Economics and Management*. doi 10.1016/j.jeem.2017.08.011

### 2018

[67] Hänsel M, Quaas MF (2018). Intertemporal Distribution, Sufficiency, and the Social Cost of Carbon. *Ecological Economics*. 146: 520–535.

[66] Nielsen JR, Thunberg E, Holland DS, Schmidt JO, Fulton EA, Bastardie F, Punt AE, Allen I, Bartelings H, Bertignac M, Bethke E, Bossier S, Buckworth R, Carpenter G, Christensen A, Christensen V, Da-Rocha JM, Deng R, Dichmont C, Doering R, Esteban A, Fernandes JA, Frost H, Garcia D, Gasche L, Gascuel D, Gourguet S, Groeneveld RA, Guillén J, Guyader O, Hamon KG, Hoff A, Horbowy J, Hutton T, Lehuta S, Little LR, Leonart J, Macher C, Mackinson S, Mahevas S, Marchal P, Mato-Amboage R, Mapstone B, Maynou F, Merzéréaud M, Palacz A, Pascoe S, Paulrud A, Plaganyi E, Prellezo R, van Putten EI, Quaas MF, Ravn-Jensen L, Sanchez S, Simons S, Thébaud O, Tomczak MT, Ulrich C, van Dijk D, Vermard Y, Voss R, Waldo S (2017). Integrated ecological-economic fisheries models—evaluation, review and challenges for implementation. *Fish and Fisheries* **19**(1): 1–29.

[65] Noack F, Riekhof MC, Quaas MF (2018). Development in a Dual Economy: The Importance of Resource-Use Regulation. *Journal of the Association of Environmental and Resource Economists*. **5**(1): 233–263.

### 2017

[64] Quaas MF, Quaas J, Rickels W, Boucher O (2017). Are there reasons against open-ended research into solar radiation management? A model of intergenerational decision-making under uncertainty. *Journal of Environmental Economics and Management* **84**: 1–17

[63] Baumgärtner S, Drupp M, Meya J, Munz J, Quaas MF (2017). Income inequality and willingness to pay for environmental public goods. *Journal of Environmental Economics and Management*. **85**:35–61

[62] Baumgärtner S, Drupp M, and Quaas MF (2017). Subsistence, substitutability and sustainability in consumption. *Environmental and Resource Economics* **67**(1):47–66

[61] Bertram C, and Quaas MF (2017). Biodiversity and Optimal Multi-species Ecosystem Management. *Environmental and Resource Economics*. **67**: 321–350.

[60] Oschlies A, Held H, Keller D, Keller K, Mengis N, Quaas MF, Rickels W, Schmidt H (2017). Indicators and Metrics for the Assessment of Climate Engineering. *Earth's Future* **5**(1): 49–58.

[59] Pascual U, Balvanera P, Díaz S, Pataki G, Roth E, Stenseke M, Watson RT, Dessane EB, Islar M, Kelemen E, Maris V, Quaas MF, Subramanian SM, Wittmer H, Adlan A, Ahn S, Al-Hafedh YS, Amankwah E, Asah ST, Berry P, Bilgin A, Breslow SJ, Bullock C, Cáceres D, Daly-Hassen H, Figueroa E, Golden CD, Gómez-Baggethun E, González-Jiménez D, Houdet J, Keune H, Kumar R, Ma K, May PH, Mead A, O'Farrell P, Pandit R, Pengue W, Pichis-Madruga R, Popa F, Preston S, Pacheco-Balanza D, Saarikoski H, Strassburg BB, van den Belt M, Verma M, Wickson F, Yagi N (2017). Valuing nature's contributions to people: the IPBES approach. *Current Opinion in Environmental Sustainability* **26–27**: 7–16.

[58] Voss R, Quaas MF, Stoeven MT, Schmidt JO, Tomczak MT, Möllmann C (2017). Ecological-Economic Fisheries Management Advice—Quantification of Potential Benefits for the Case of the Eastern Baltic COD Fishery. *Frontiers in Marine Science* **4**: 209.

## 2016

[57] Quaas MF, Reusch T, Schmidt JO, Tahvonen O, Voss R (2016). It is the economy, stupid! Projecting the fate of fish populations using ecological-economic modeling. *Global Change Biology* **22**(1): 264-270.

[56] Groeneveld RA, and Quaas MF. Promoting selective fisheries through certification? An analysis of the PNA unassociated-sets purse seine fishery. *Fisheries Research* **182**: 69-78.

[55] Hoffmann J, and Quaas MF (2016). Common Pool Politics and Inefficient Fishery Management *Environmental and Resource Economics*. **63**(1): 79-93.

[54] Olbrich R, Quaas MF, Baumgärtner S (2016). Characterizing commercial cattle farms in Namibia: Risk, management and sustainability. *African Journal of Agricultural Research* **11**(41): 4109-4120.

[53] Opitz S, Hoffmann J, Quaas MF, Matz-Lück N, Binohlan C, Froese R (2016). Assessment of MSC-certified fish stocks in the Northeast Atlantic. *Marine Policy* **71**: 10-14.

[52] Quaas J, Quaas MF, Boucher O, Rickels W (2016). Regional climate engineering by radiation management: Prerequisites and prospects. *Earth's Future* **4**: 618-625.

[51] Rickels W, Dovert J, Hoffmann J, Quaas MF, Schmidt JO, Visbeck M (2016). Indicators for Monitoring Sustainable Development Goals: An Application to Oceanic Development in the European Union. *Earth's Future* **4**(5): 252-267.

[50] Rickels W, Dovert J, Quaas MF (2016). Beyond fisheries: Common-pool resource problems in oceanic resources and services. *Global Environmental Change* **40**: 37-49.

## 2015

[49] Aswathy VN, Boucher O, Quaas MF, Niemeier U, Muri H, Mülmenstädt J, Quaas J (2015). Climate extremes in multi-model simulations of stratospheric aerosol and marine cloud brightening climate engineering, *Atmos. Chem. Phys.* **15**: 9593-9610.

[48] Blenckner T, Llope M, Möllmann C, Voss R, Quaas MF, Casini M, Lindegren M, Folke C, Stenseth N (2015). Climate and fishing steer ecosystem regeneration to uncertain economic futures. *Proceedings of the Royal Society B* **282**: 2014-2809.

[47] Jakoby O, Quaas MF, Baumgärtner S, Frank K (2015). Adapting livestock management to spatio-temporal heterogeneity in semi-arid rangelands. *Journal of Environmental Management* **162**: 179-189.

[46] Lade SJ, Niiranen S, Hentati-Sundberg J, Blenckner T, Boonstra WJ, Orach K, Quaas MF, Österblom H, Schlüter M (2015). An empirical model of the Baltic Sea reveals the importance of social dynamics for ecological regime shifts. *PNAS* **112** (35): 11120-11125.

[45] Voss R, Quaas MF, Schmidt JO and Kapaun U (2015). Ocean acidification may aggravate social-ecological trade-offs in coastal fisheries. *PLoS ONE* **10**(3): e0120376.

## 2014

- [44] Dovern J, Quaas MF, and Rickels W (2014). The rich, the clean, and the kind - a comprehensive wealth index for cities applied to the case of Germany. *Ecological Indicators* **41**:79–86.
- [43] Jakoby O, Quaas MF, Müller B, Baumgärtner S, and Frank K (2014). How do individual farmers' objectives influence their evaluation of rangeland management strategies under a variable climate? *Journal of Applied Ecology* **51**(2):483–493.
- [42] Lukomska N, Quaas MF, Baumgärtner S (2014). Bush encroachment control and risk management in semi-arid rangelands. *Journal of Environmental Management* **145**(1):24–34.
- [41] Narita D, and Quaas MF (2014). Adaptation to Climate Change and Climate Variability: Do It Now or Wait and See? *Climate Change Economics* **05**(04):1450013.
- [40] Olbrich R, Quaas MF, Baumgärtner S (2014). Personal Norms of Sustainability and Farm Management Behavior. *Sustainability* **6**(8), 4990-5017.
- [39] Papaioannou EA, Vafeidis AT, Quaas MF, Schmidt JO, Strehlow H (2014). Using indicators based on primary fisheries data for assessing the development of the German Baltic small-scale fishery and reviewing its adaptation potential to changes in resource abundance and management during 2000–09. *Ocean & Coastal Management* **98**:38–50.
- [38] Rickels W, Quaas MF, Visbeck M (2014). How healthy is the human-ocean system? *Environmental Research Letters* **9** 044013.
- [37] Thébaud O, Doyen L, Innes J, Lample M, Macher M, Mahévas S, Mullon C, Planque B, Quaas MF, Smith T, Vermard Y (2014). Building ecological-economic models and scenarios of marine resource systems: Workshop report. *Marine Policy* **43**:382–386.
- [36] Visbeck M, Kronfeld-Goharani U, Neumann B, Rickels W, Schmidt JO, van Doorn E, Matz-Lück N, Ott K, Quaas MF (2014). Securing Blue Wealth: The Need for a Special Sustainable Development Goal for the Ocean and Coasts. *Marine Policy* **48**:184–191.
- [35] Voss R, Quaas MF, Schmidt JO, and Hoffmann J (2014). Regional trade-offs from multi-species maximum sustainable yield (MMSY) management options. *Marine Ecology Progress Series* **498**:1–12.
- [34] Voss R, Quaas MF, Schmidt JO, Tahvonen O, Lindegren M, Möllmann C (2014). Assessing Social-Ecological Trade-Offs to Advance Ecosystem-Based Fisheries Management. *PLoS ONE* **9**(9): e107811.

## 2013

- [33] Quaas MF, van Soest D, and Baumgärtner S (2013). Complementarity, impatience, and the resilience of natural-resource-dependent economies. *Journal of Environmental Economics and Management* **66**(1):15–32.
- [32] Quaas MF and Requate T (2013). Sushi or Fish Fingers? Seafood Diversity, Collapsing Fish Stocks, and Multi-species Fishery Management. *Scandinavian Journal of Economics* **115**(2):381–422.
- [31] Quaas MF, Requate T, Ruckes K, Skonhoft A, Vestergaard N, and Voss R (2013). Incentives for Optimal Management of Age-Structured Fish Populations. *Resource and Energy Economics* **35**(2):113–134.
- [30] Derissen S and Quaas MF (2013). Combining performance-based and action-based payments to provide environmental goods under uncertainty. *Ecological Economics* **85**:77–84.
- [29] Froese R and Quaas MF (2013). Rio+20 and the Reform of the Common Fisheries Policy in Europe. *Marine Policy* **39**:53–55.
- [28] Kapaun U and Quaas MF (2013). Does the optimal size of a fish stock increase with environmental uncertainties? *Environmental and Resource Economics* **54**(2):293–310.

[27] Tahvonen O, Quaas MF, Schmidt JO, Voss R (2013). Optimal harvesting of an age-structured schooling fishery. *Environmental and Resource Economics* **54**(1):21–39.

## 2012

[26] Quaas MF, Froese R, Herwartz H, Requate T, Schmidt JO, and Voss R (2012). Fishing Industry Borrows from Natural Capital at High Shadow Interest Rates. *Ecological Economics* **82**:45–52.

Reviewed in *Science for Environment Policy*, European Commission DG Environment News Alert Service (2012), Issue 309.

[25] Quaas MF and Baumgärtner S (2012). Optimal grazing management rules in semi-arid rangelands with uncertain rainfall. *Natural Resource Modeling* **25**(1):364–387.

[24] Baumgärtner S, Glotzbach S, Hoberg N, Quaas MF and Stumpf KH (2012). Economic analysis of trade-offs between justices. *Intergenerational Justice Review* 2012(1):4–9. Translated in German and reprinted as: Ökonomische Analyse der Trade-Offs zwischen Gerechtigkeiten, *Journal für Generationengerechtigkeit* **14**(1):10–18.

[23] Froese R and Quaas MF (2012). Mismanagement of the North Sea cod by the Council of the European Union. *Ocean & Coastal Management* **70**:54–58.

[22] Olbrich R, Quaas MF, Baumgärtner S (2012). A survey of commercial cattle farmers in semi-arid rangelands of Namibia on risk, sustainability and management. *Schmollers Jahrbuch / Journal of Applied Social Science Studies* **132**(3):463–471.

[21] Papaioannou EA, Vafeidis AT, Quaas MF, and Schmidt JO (2012). The development and use of a spatial database for the determination and characterization of the state of the German Baltic small-scale fishery sector. *ICES Journal of Marine Science* **69**(8):1480–1490.

[20] Schlüter M, McAllister RRJ, Arlinghaus R, Bunnefeld N, Eisenack K, Hölker F, Milner-Gulland EJ, Müller B, Nicholson E, Quaas MF, and Stöven M (2012). New horizons for managing the environment: A review of coupled social-ecological systems modeling. *Natural Resource Modeling* **25**(1):219–272.

[19] Skonhoft A, Vestergaard, N and Quaas MF (2012). Optimal harvest in an age structured model with different fishing selectivity. *Environmental and Resource Economics* **51**(4), 525–544.

[18] Villasante S, Rodriguez D, Antelo M, Quaas MF, and Österblom H (2012). The Global Seafood Market Performance Index: A theoretical proposal and potential empirical applications. *Marine Policy*, **36**(1):142–152.

## 2011

[17] Baumgärtner S, Derissen S, Quaas MF, and Strunz S (2011). Consumer preferences determine resilience of ecological-economic systems. *Ecology & Society* **16**(4): Article 9.

[16] 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.

[15] Froese R, T.A. Branch, A. Proelß, M.F. Quaas, K. Sainsbury, and C. Zimmermann (2011). Generic Harvest Control Rules for European Fisheries. *Fish and Fisheries*, **12**(3):340–351.

[14] Froese, R and Quaas MF (2011). Three Options for Rebuilding the Cod Stock in the Eastern Baltic Sea. *Marine Ecology Progress Series*, **434**:197–200.

[13] Müller B, Quaas MF, Frank K, and Baumgärtner S (2011). Pitfalls and potential of institutional change: Rain-index insurance and the sustainability of rangeland management. *Ecological Economics*, **70**:2137–2144.

[12] Voss R, Hinrichsen HH, Quaas MF, Schmidt JO, and Tahvonen O (2011). Temperature

change and Baltic sprat: from observations to ecological-economic modeling. *ICES Journal of Marine Science*, **68**(6):1244–1256.

## 2010

[11] Baumgärtner S and Quaas MF (2010). What is Sustainability Economics? *Ecological Economics*, **69**:445–450.

[10] Baumgärtner S and Quaas MF (2010). Sustainability economics - general versus specific, and conceptual versus practical. *Ecological Economics*, **69**:2056–2059.

[9] Baumgärtner S and Quaas MF (2010). Managing Increasing Environmental Risks Through Agro-biodiversity and Agri-environmental Policies. *Agricultural Economics* **41**(5):483–493.

[8] Jöst F and Quaas MF (2010). Environmental and Population Externalities. *Environment and Development Economics*, **15**(01):1–19.

[7] Lange A and Quaas MF (2010). Analytical characteristics of the core-periphery model. *International Regional Science Review*, **33**(4):437–455.

## 2009

[6] Baumgärtner S and Quaas MF (2009). Ecological-economic Viability as a Criterion of Strong Sustainability under Uncertainty. *Ecological Economics*, **68**:2008–2020.

## 2008

[5] Quaas MF and Baumgärtner S (2008). Natural vs. Financial Insurance in the Management of Public-good Ecosystems. *Ecological Economics* **65**:397–406.

[4] Baumgärtner S, Becker C, Frank K, Müller B and Quaas MF (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.

## 2007

[3] Quaas MF, Baumgärtner S, Becker C, Frank K and Müller B (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.

[2] Quaas MF (2007). Pollution-reducing Infrastructure and Urban Environmental Policy, *Environment and Development Economics* **12**(2):213–234.

[1] Lange A and Quaas MF (2007). Economic Geography and the Effect of Environmental Pollution on Agglomeration, *The B.E. Journal of Economic Analysis & Policy* 7(1, Topics), Article 52.

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## ORGANISATION OF INTERNATIONAL SCIENTIFIC CONFERENCES

2017            5th Workshop on Age-structured models in Natural Resource Economics (co-organized with Max Stoeven, Anders Skonhoft, Olli Tahvonen, Niels Vestergaard)

International Workshop in Sustainability Economics: *Marine ecological-economic systems in the Western Baltic Sea and beyond: Shifting the baseline to a regime of sustainability* (co-organized with Christian Möllmann and Stefan Baumgärtner)

International Workshop *Climate Engineering Regulation and Liability*, Kiel (co-organized with Johannes Quaas)

- 2015 EAERE 2015 Helsinki pre-conference workshop: *Economic-ecological models in resource economics* (co-organized with Olli Tahvonen, University of Helsinki)
- International Workshop in Sustainability Economics: *Experiments on Intergenerational Justice under Uncertainty* (co-organized with Stefan Baumgärtner, University of Freiburg)
- 2014 International Workshop on *Intergenerational Equity and Efficiency under Uncertainty*, Camp Reinsehlen (co-organized with Stefan Baumgärtner, University of Freiburg)
- 2012 International Workshop on *Responsibility for Sustainability. Combining the Perspectives of Economics and Philosophy*, Camp Reinsehlen (co-organized with Stefan Baumgärtner, University of Freiburg)
- International Workshop on *Managing Genetic Diversity of Fishes?* List, Sylt
- 2010 ICES Workshop on *Introducing coupled ecological-economic modelling and risk assessment into management tools (WKIMM)*, Kiel
- 2008 International workshop *Conceptualizing Sustainability under Uncertainty*, Camp Reinsehlen (co-organized with Stefan Baumgärtner, University of Freiburg)
- Session on Marine Life and Biodiversity, 2nd Bi-Annual Symposium: *The Future Ocean*, Kiel
- 2007 7<sup>th</sup> Conference of the European Society for Ecological Economics: *Integrating Natural and Social Sciences for Sustainability*, Leipzig (member of Scientific and local organizing committee)
- 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

222 review reports on articles for 54 different international scientific journals, including: Agricultural Economics; American Journal of Agricultural Economics; Biological Conservation; Conservation Biology; Ecological Economics; Ecological Modelling; Environment and Development Economics; Environmental and Resource Economics; Environmental Conservation; Environmental Modelling & Software; European Economic Review; European Review of Agricultural Economics; Fish and Fisheries; Fisheries Research; Global Change Biology; Global Environmental Change; ICES Journal of Marine Sciences; Journal of the Association of Environmental and Resource Economists; Journal of Applied Ecology; 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 Mathematical Biology; Journal of Urban Economics; Marine Resource Economics; Natural Resource Modeling; Nature Climate Change; Nature Sustainability; Papers in Regional Science; PLOS One; Rangeland Ecology and Management; Regional Science and Urban Economics; Regional Environmental Change; Resource and Energy Economics; Scandinavian Journal of Economics



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## REVIEWER FOR FUNDING AGENCIES

board: German Academic Exchange Service (DAAD) postdoc-fellowships; German Academic Exchange Service (DAAD) PhD fellowships for Africa

ad hoc: European Research Council (ERC); German Federal Ministry of Education and Research (BMBF); German National Academic Foundation; German Research Foundation (DFG); Agence Nationale de la Recherche française (ANR); Austrian Science Fund (FWF); Czech Science Foundation; Netherlands Organization for Scientific Research (NWO); Research Council of Norway; U.S.-Israel Binational Science Foundation

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## COMMITTEES/EDITORIAL BOARD

since 2016	member of the board of Resource Modeling Association
since 2016	member of editorial board, Journal of Environmental Economics and Management (Elsevier)
since 2016	member of editorial board, Natural Resource Modeling (Wiley)
since 2015	DFG Senatskommission Agroecosystem Research
2014-2016	Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES), expert for deliverable 3(d) – scoping for an assessment and guide on methodologies regarding diverse conceptualization of values of biodiversity and nature's benefits to people
since 2013	associate editor, Environment and Development Economics (Cambridge University Press)
2012–2016	DFG Senatskommission Biodiversity Research

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## UNIVERSITY ADMINISTRATION

since 2015	elected member of the Konvent, Faculty of Economics and Social Sciences
since 2014	member of the steering committee of Kiel University's Graduate Center
since 2013	head of PhD Program <i>Quantitative Economics</i> , Faculty of Economics, Business and Social Sciences, Kiel University
since 2013	member of the steering committee of Kiel University's research priority area Kiel Marine Science (KMS)
since 2012	speaker for research area <i>Ocean Sustainability</i> , Cluster of Excellence <i>Future Ocean</i>
since 2011	member of steering committee for E-Learning at the Kiel University

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## FINISHED PHD STUDENTS

6 principal supervisor; 15 secondary supervisor; 5 committee member at foreign universities

2017 Moritz Drupp (Kiel University; principal supervisor)

2016	Christine Merk (Kiel University; secondary supervisor); Nadine Mengis (GEOMAR Kiel, Biogeochemistry; member of committee); Luu Duc Thi (Kiel University; secondary supervisor)
2015	Christine Bertram (Kiel University; secondary supervisor); Lorena Fricke (Kiel University; principal supervisor); Julia Hoffmann (Kiel University; principal supervisor); Sven Offick (Kiel University; secondary supervisor)
2014	Sandra Derissen (Kiel University; secondary supervisor); John-Oliver Engler (Leuphana University; secondary supervisor); Eva Papaioannou (Kiel University; Geography; secondary supervisor); Esther Regnier (University of Paris I; rapporteur and member of committee); Marie Catherine Riekhof (Kiel University; secondary supervisor); Max T. Stöven (Kiel University; principal supervisor)
2013	Diana van Dijk (Wageningen University; member of committee); Lena Döpke (Kiel University; secondary supervisor); Asle Gauteplass (Norwegian University of Science and Technology, Trondheim; member of committee); Sophie Gourguet (University of Tasmania and Université de Bretagne Occidentale, Brest; president of committee); Ute Kapaun (Kiel University; principal supervisor); Frederik Noack (Kiel University; principal supervisor); Andre-Rene Wolf (Kiel University; secondary supervisor)
2011	Anderies Richter (Wageningen University; member of committee); Oliver Jakoby (University of Osnabrück; secondary supervisor); Wilfried Rickels (Kiel University; secondary supervisor); Sebastian Strunz (Leuphana University of Lüneburg; secondary supervisor); Jaba Ghonghaze (Kiel University; secondary supervisor)
2009	Thomas Lontzek (Kiel University; secondary supervisor)

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#### CURRENT PHD STUDENTS

primary supervisor: Martin Hänsel; Tobias Heimann; Ding Jin; Kira Lancker; Felix Meier; Jennifer Okonkwo

secondary supervisor: Benjamin Blanz (Hamburg Univ., Economics); Kristina Boerder (Dalhousie Univ., Biology); Erik van Doorn (Kiel Univ., Law of the Sea); Michael Holtkamp (Kiel Univ., Regional Economics); Katrin Kamin (Kiel Univ.)

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#### HOSTING OF POSTDOCS

2017–	Dr. Julia Bronnmann; Dr. Moritz Drupp
2016–	Dr. Max Stöven
2016–	Dr. Julia Hoffmann
2014–	Dr. Lorena Fricke
2014–2015	Dr. Linda Kleemann, now Consultant Data Scientist, ICT4D, M&E GFA Consulting Group, Hamburg
2014–2016	Dr. Esther Regnier, now maitre de conference, University of Brest, France
2014–2016	Dr. Wilfried Rickels, now head of research area <i>The Environment and Natural Resources</i> , Kiel Institute for the World Economy

2013	Dr. Frederik Noack, now assistant professor of Environmental and Resource Economics, University of British Columbia, Vancouver, Canada
2009–	Dr. Jörn O. Schmidt
2008–	Dr. Rudi Voss

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## THESES SUPERVISED

26 Master theses supervised  
37 Bachelor theses supervised  
26 Diploma theses supervised

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## COURSES TAUGHT

- Winter 2016/2017 Environmental Economics [Master Economics; Master Environmental and Resource Economics]; Theories of Distributive Justice and Sustainability [Master Economics; Master Environmental and Resource Economics]; Seminar Resource Economics [Master Economics]; Urban Economics [Bachelor Economics]; Sustainability Economics [Bachelor Economics, Master Sustainability, Society and the Environment]
- Summer 2016 Resource Economics [Master Environmental and Resource Economics; Master Economics]; Spatial Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]
- Winter 2015/2016 Environmental Economics [Master Economics; Master Environmental and Resource Economics]; Theories of Distributive Justice and Sustainability [Master Economics; Master Environmental and Resource Economics]; Seminar Resource Economics [Master Economics]; Urban Economics [Bachelor Economics]; Sustainability Economics [Bachelor Economics, Master Sustainability, Society and the Environment]
- Summer 2015 Resource Economics [Master Environmental and Resource Economics; Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]; Seminar Environmental Economics [Bachelor Economics]; Seminar Urban Economics [Bachelor Economics]
- Winter 2014/2015 Environmental Economics [Master Economics; Master Environmental and Resource Economics]; Theories of Distributive Justice and Sustainability [Master Economics; Master Environmental and Resource Economics]; Seminar Resource Economics [Master Economics]; Urban Economics [Bachelor Economics]; Sustainability Economics [Bachelor Economics, Master Sustainability, Society and the Environment]
- Summer 2014 Resource Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]
- Winter 2013/2014 Environmental Economics [Master Economics]; Theories of Distributive Justice [Master Economics]; Seminar Resource Economics [Master Economics]; Urban Economics [Bachelor Economics]; Sustainability Economics [Bachelor Economics, Master Sustainability, Society and the Environment]
- Summer 2013 Environmental Economics [Master Economics]; Resource Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]; Urban Economics [Bachelor Economics]

Summer 2012 Environmental Economics [Master Economics]; Resource Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]; Seminar Urban Economics

Winter 2011/2012 Theories of Distributive Justice [Master Economics]; Seminar Resource Economics

Summer 2011 Resource Economics [Master Economics]; Spatial Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]; Seminar Urban Economics

Winter 2010/2011 Urban Economics [Bachelor Economics]; Theories of Distributive Justice [Master Economics]; Seminar Resource Economics

Summer 2010 Spatial Economics [Master Economics]; Seminar Resource Economics [joint with SDU Esbjerg]; Seminar Urban Economics

Winter 2009/2010 Urban Economics [Bachelor Economics]; Seminar Resource Economics

Summer 2009 Sustainability Economics [Bachelor Economics]; Seminar Resource Economics

Winter 2008/2009 Urban Economics [Bachelor Economics]; Seminar Resource Economics

Summer 2008 Resource Economics [Master Economics]; Seminar Resource Economics