

The Kiel Institute for the World Economy (IfW) seeks applications for a position as

Doctoral Researcher in Resource Economics: “Evolutionary fishery economics and management”

(limited for the three years and 2.5 months of DFG funding, 65 % of a full-time employment)

Salary: Entgeltgruppe TV-L EG13

in its research center The Environment and Natural Resources. The research center focuses on three topics: climate, land, and ocean. The present position is part of the Research Training Group 2501 on Translational Evolutionary Research and in cooperation with the Biodiversity Economics Group at the German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig.

Evolution is the central theory of the life sciences. The Research Training Group 2501 on Translational Evolutionary Research (RTG TransEvo), funded by DFG, has the core objective to study and promote its key relevance to applied problems. Unintended outcomes of human intervention often result from actions that influence natural selection. For example, human perturbation of the Earth's marine ecosystems directly change natural selection and thereby affect the evolution of fish and other organisms. Therefore, the development of sustainable solutions to such emerging challenges can only be achieved by explicit consideration of the influenced evolutionary processes. Fourteen doctoral projects within the RTG study how to translate evolutionary thinking into three applied fields: (i) medicine, (ii) food production, and (iii) wildlife conservation.

The doctoral research in the present project focuses on technical and economic factors that lead to fisheries-induced evolution and the question how fisheries-induced evolution should be taken into account in economically efficient fisheries management. The research will be done in cooperation with the Biodiversity Economics group at iDiv; the successful candidate will be hired as member of the RTG TransEvo by the Kiel Institute for the World Economy IfW. The position provides many opportunities for an intensive exchange with the parallel projects at Kiel University, GEOMAR Helmholtz Centre for Ocean Research Kiel, and the Max Planck Institute for Evolutionary Biology in Plön, <https://www.kec.uni-kiel.de/training/TransEvo.php> and exchange with the on-going international project SOMBEE (Scenarios Of Marine Biodiversity and Evolution under Exploitation and Climate Change), where related questions are studied.

Job description:

- contribution to the development of a model that combines ecological, evolutionary, and economic dynamics of harvested marine ecosystems.
- deriving results on economic consequences of fisheries- and climate-induced evolution of life history traits for economic outcomes of marine fisheries.
- studying fisheries management strategies subject to eco-evolutionary dynamics of harvested populations.
- interdisciplinary exchange and collaboration within the RTG TransEvo.

- presentation and discussion of methods and results with national and international project partners.
- writing and publishing of scientific papers in peer-reviewed journals.
- presentation of results at national and international conferences.

We are looking for a candidate who meets the following criteria:

- excellent master degree or equivalent in Economics, Biology, Mathematics or a related field of research
- interest in Resource Economics
- quantitative skills (modelling, statistics)
- excellent English communication skills (speaking and writing)
- innovative, able to work on his or her own initiative
- team-oriented and strong organizational skills

The working language is English; excellent English skills are therefore required. Some knowledge of German would be useful, but is not essential.

The Kiel Institute is an equal opportunity employer with a certified family-friendly policy (<https://www.ifw-kiel.de/institute/working-at-the-kiel-institute/equal-opportunity/>).

We promote the professional opportunities of women and strongly encourage them to apply. Women with equivalent qualifications, competence and expertise will be given preference. We are committed to employing persons with recognized disabilities and will therefore give them preference over persons without disabilities if they are equally qualified.

Please submit your application online by 27th of April 2020 (ID-No. "03_20_TransEvo_01"), using your family name as the file name.

Please include a letter of interest, your CV, transcripts of your academic record, an academic writing sample. Application photos should not be included.

The review process starts in and continues until the position is filled.

Please visit our research area webpage for more information. In case you have specific questions, please send them to

Martin Quaas (martin.quaas@ifw-kiel.de)