



The Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB, www.igb-berlin.de) is the largest German institute dealing with freshwater ecology and inland fisheries. It is a member of the Forschungsverbund Berlin e.V. (FVB, www.fv-berlin.de) and the Leibniz-Association (www.wgl.de). The FVB manages 8 large research institutes in Berlin that have close links to all three universities in the German capital. IGB offers excellent laboratory and field facilities for interdisciplinary research, large-scale experimental facilities, and long-term research programs and data sets.

On the condition of a final project approval by the funding body, we seek:

PostDoc (m/f) in Fisheries Bio-Economics and Social-Ecological System Analysis of Marine Recreational Fisheries

The position is available as soon as possible, earliest by **March 1, 2019** for three years in the research group of Prof. Dr. Robert Arlinghaus (www.ifishman.de). It is as part of an inter- and transdisciplinary, multi-investigator project entitled “Marine ecological-economic systems in the Western Baltic Sea and beyond: shifting the baseline to a regime of sustainability” (marEEshift), which was submitted to the BioTip call of the Federal Ministry of Education and Research (BMBF). A key project objective is to identify the processes that affect the resiliency of marine ecological-economic fisheries systems co-exploited by commercial and recreational fisheries in light of tipping points.

The postdoc’s subproject shall focus on analyzing the social-ecological interactions of the German marine recreational fisheries targeting coastal fish, such as the Western Baltic cod, using bio-economic research approaches. It aims at identifying the policy and management options to foster a transition towards sustainability, while accounting for social, ecological and institutional tipping points and regime shifts. The work is conducted in close collaboration with economists and fisheries biologists, encompassing national (Dr. Harry Strehlow, Thünen Institute of Baltic Sea Fisheries, Rostock; Prof. Dr. Martin Quaas, iDiv, Leipzig; Prof. Dr. Christian Möllmann, University Hamburg) and international partners (Prof. Dr. Josh Abbott, University of Arizona, USA).

Duties and responsibilities

- Involvement in stakeholder workshops to inform possible policy options as perceived by anglers of different type (charter boat, residents, tourists) and other stakeholders
- Quantifying the behavioural effects of current and possible future changes in the social, political, institutional and ecological attributes of the fishery for Western Baltic cod in German marine recreational anglers using quantitative stated and revealed choice-based preference surveys
- Construction and analysis of integrated bio-economic and social-ecological (simulation) models that explicitly link cod population dynamics and the behavioural feedback to changes in the cod stock and the regulatory environment
- Presenting of scientific data nationally and internationally as well as crafting of peer-reviewed and popular scientific articles and outputs of public outreach

Requirements

- PhD in environmental/resource economics, fisheries bio-economics, humans dimensions of natural resources, quantitative fisheries science, or a related degree
- Skills in development of quantitative surveys among natural resource users and particularly the construction and analysis of choice experiments (stated and/or revealed)
- Econometric/statistical data analysis and simulation model building skills

- Motivation and ability of conducting interdisciplinary work by bridging fisheries biology and human behavior studies and achieve applied outcomes
- Ability to work in a team as well as independently
- German language and knowledge of recreational fisheries are benefits, not a precondition

At IGB, the successful candidate will part of an interdisciplinary, social-ecological working group at the interface of applied and fundamental fish, fisheries and conservation science, and will closely work with members of the group (www.ifishman.de). Full salary is paid according to the TVöD (E 13 pay scale), which includes health insurance and social security. In keeping with the IGB's policy regarding gender equality, female applicants are particularly encouraged. Severely disabled applicants with equal qualification and aptitude are given preferential consideration.

Enquiries or questions should be directed to **Prof. Dr. Robert Arlinghaus** (+4930/64181-653, arlinghaus@igb-berlin.de).

Please upload complete application documents as a single pdf-file including a one-page max cover letter, a two-page max statement of research interests and proposed research directions related to the topic of this project, CV, copies of two key publications, copies of relevant degrees and contact details of three referees no later than **February, 15, 2019** via the IGB's (<https://www.igb-berlin.de/en/jobs>) online job-application facility (button "Apply online"). Failing to submit the materials as a single PDF results in exclusion from the competition.

We are looking forward to your application!