



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.

PostDoc (m/f) in Quantitative Fisheries Science and Modelling

The position is available from **January, 1, 2019** for up to four years in the research group of Prof. Dr. Robert Arlinghaus (www.ifishman.de). It is as part of a four year project to study the dynamics and management of Baltic Sea northern pike (*Esox lucius*) in close cooperation with the State Research Institute for Agriculture and Fisheries, Institute of Fisheries in Mecklenburg-Vorpommern (Rostock) and with a range of fisheries stakeholders. The working place is Berlin at IGB, and the position is part of a small project team of 5 people (PI, two postdocs, one PhD student, one communication manager).

Duties and responsibilities

- Development of bio-economic models of the Baltic pike fishery around Island Rügen taking due account of both fisher/angler behaviour, hydrodynamics and fish population ecology/ movement
- Stock assessment of the pike fishery using data-poor assessment methods
- Participatory spatially-explicit simulation model building in close collaboration with fisheries stakeholders (anglers, fishers) in workshop settings and use of the model for management strategy evaluation
- Using structured decision-making with stakeholders to craft an agreed-upon management plan for the future management of the pike fishery
- Field and lab work on the pike fishery in collaboration with other team members
- Presenting of scientific data nationally and internationally as well as crafting of peer-reviewed and popular scientific articles

Requirements

- PhD in fisheries science, bioeconomics, stock assessment, statistics, mathematical biology or a related degree
- Advanced quantitative statistical and modelling skills, programming and data visualization
- Motivation and ability of conducting interdisciplinary work and achieved applied outcomes
- Ability to work in a team as well as independently
- Driving license
- German language preferred

The successful candidate will be included in 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 (see www.ifishman.de for details). 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 directly related to the topic of this project, CV, copies of two key publications, copies of relevant degrees and contact details of three referees as soon as possible but no later than **September, 21, 2018** via the IGB's (www.igb-berlin.de/job-offers.html) online job-application facility (button "Apply online"). Failing to submit the materials as a single PDF results in immediate exclusion from the competition.

We are looking forward to your application!