Leibniz-Institute of Freshwater Ecology and Inland Fisheries

The Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB) is the largest freshwater ecology research institute in Germany. It is a member of the Forschungsverbund Berlin e.V. 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. We invite applications for a highly motivated

PostDoc in ecological modelling (m/f/d)

as part of the French-German ANR-DFG collaborative project CLIMSHIFT addressing "Regime shifts in freshwater ecosystems exposed to multiple stressors by increasing temperature, fertilizers and pesticides". CLIMSHIFT aims for a mechanistic understanding of combined effects of climate change and agricultural run-off (pesticides, metals and fertilizers) on shallow aquatic systems and the identification of critical thresholds of stressor interactions to better define “safe operating spaces” for sustainable agriculture and management of shallow aquatic systems (www.igb-berlin.de/en/project/climshift). The research approach is broad, involving data analysis, upscaling of microcosms experiments at laboratory scale to larger, outdoor mesocosms. We will use different modelling approaches to explore the consequences of changing environmental conditions for system-relevant response variables and to compare model predictions with the results from mesocosms experiments.

We are seeking to recruit a dedicated postdoc with demonstrated expertise in ecological modelling, ideally in aquatic ecosystems. The ideal candidate has a strong mathematical and programming background and a solid understanding of ecological concepts, combining experience in integrative dynamical modelling with an interest in confronting ecological theory and models with experimental data. Research experience in experiments using mesocosms and in the general ecology of aquatic ecosystems is particularly useful, although not a strict requirement. Expertise in developing empirical-conceptual model approaches would be advantageous.

The position is available as soon as possible and latest from **01/05/2019** and limited to 2 years. Salary is paid according to the TVöD Bund (100 % position). 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.

How to apply?

We seek an exclusively electronic application consisting of a single combined PDF file that includes: cover letter (max. 1 page), letter of motivation (max. 2 pages), curriculum vitae, max. 2 representative publications, copies of relevant certificates as well as names and contact addresses of up to three reviewers. Please upload your application via the IGB’s online job-application facility (www.igb-berlin.de/job-offers.html). The application deadline is **25.02.2019**.

Enquiries or questions should be directed to PD **Dr. Franz Hölker** (+49-30-64181-665, hoelker@igb-berlin.de) and PD **Dr. Sabine Hilt** (+49-30-64181-677, hilt@igb-berlin.).

We are looking forward to your application!