

The Leibniz-Institute for Freshwater Ecology and Inland Fisheries (IGB) is the largest freshwater ecology research institute in Germany ([www.igb-berlin.de](http://www.igb-berlin.de)). It is a member of the Forschungsverbund Berlin e.V. and the Leibniz-Association ([www.wgl.de](http://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.

The Department Biology and Ecology of Fishes has to cast a position within the EU framework project „IMPACT - Developing an integrated model to predict abiotic habitat conditions and biota of rivers for application in climate change research and water management” financed by the BMBF for the „Regional and National Research Programmes Network on Integrated Water Resource Management“ ([www.iwrm-net.org](http://www.iwrm-net.org)) for **September 01, 2010**.

This project aims at coupling models to predict the abiotic habitat conditions (catchment and habitat models) with species dispersal models (macroinvertebrates and fish). The integrated model serves in assessing the effects of restoration measures under various boundary conditions (uses and recolonization potential in the catchment, climate change).

The IGB invites applications for the following position:

#### **PhD student**

**Topic:** Developing dispersal and habitat models for native freshwater fishes. Based on an extensive literature review on movements of selected species, a GIS-based dispersal model is to develop and to test in three catchments. This model to spatio-temporally predict the recolonization based on the available species inventory provides a scientifically innovative research approach which will be worked on in cooperation with international partners.

The habitat models shall be developed based on the literature review and own statistical analyses (dependency of colonization on environmental factors in form of habitat preference and especially habitat tolerance curves). Further details on the project and tasks may be asked to C. Wolter ([wolter@igb-berlin.de](mailto:wolter@igb-berlin.de)).

**Qualifications:** M.Sc. degree in natural sciences, preferred in biology, ecology, geography, fisheries biology or related fields; good working knowledge of English; good knowledge of GIS; familiarity with and good knowledge of statistics in general; above average communication skills and team spirit; ability to work independently; high motivation;

The position is limited until August 30, 2013. It will be paid according to TVöD (0.5 the wage of a full time scientist). Applications by females are particularly encouraged. Disabled persons with identical qualifications will be favoured.

Please send your application including expression of interest, CV, copies of relevant certificates, if available list of publications and the name of one referee (including email-address) preferably by email as pdf-file, indicating Reference ID: Wo-2, not later than **July 31, 2010** to:

Dr. Christian Wolter  
Leibniz-Institut für Gewässerökologie und Binnenfischerei  
im Forschungsverbund Berlin e.V.  
Müggelseedamm 310, 12587 Berlin  
[wolter@igb-berlin.de](mailto:wolter@igb-berlin.de)