



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](http://www.wgl.de)). IGB offers excellent laboratory and field facilities for interdisciplinary research, large-scale experimental facilities, and long-term research programs and data sets.

The project **CONNECT – Connectivity and synchronisation of lake ecosystems in space and time**, funded by the Leibniz Collaborative Excellence, will establish a collaborative network between experts in freshwater ecology and remote sensing (RS) to study connectivity and coherence of lake ecosystems in a regional context at unprecedented temporal and spatial resolution. This research frontier will be challenged by an innovative combination of automatic high-frequency *in situ* measurements with state of the art near-to far RS technology. CONNECT will provide data of unsurpassed spatio-temporal coverage, needed to understand and manage river-connected lake ecosystems in times of climate change, which – by changes in hydrology – will affect their connectivity.

As part of the project **CONNECT**, we offer a

## Postdoc Position

on **gas emissions from water bodies into the atmosphere** at the landscape level via eddy correlation measurements (e.g. from small airplanes) and locally (by using gas chambers). The Postdoc will also analyze the landscape context for proxies of vegetation and nutrient input from the catchment area. This will be done in close collaboration with project partners holding leading expertise in the relevant fields (ZALF<sup>1</sup>, GFZ<sup>2</sup>, FU<sup>3</sup>, TUM<sup>4</sup>, DLR<sup>5</sup> and IOW<sup>6</sup>). As part of the CONNECT project team the Postdoc will also be responsible for organizing one project meeting and be co-responsible for the planning and conduction of field campaigns on monitoring lake chain systems in the Berlin-Brandenburg area with a combination of near and far remote sensing tools and *in situ* measurements. The Postdoc will also participate in the preparation and conduction of a large-scale experiment on lake connectivity at the IGB LakeLab mesocosm facility (<http://www.lake-lab.de>).

For further information, contact **Hans-Peter Grossart** ([hgrossart@igb-berlin.de](mailto:hgrossart@igb-berlin.de)) and **Gabriel Singer** ([singer@igb-berlin.de](mailto:singer@igb-berlin.de)).

We are seeking to recruit outstanding scientists to establish an innovative research program with high international visibility. Competitive applicants will hold a **PhD in biology, chemistry or geosciences** with a **strong background in biogeochemistry**. The successful candidate is expected to have a solid knowledge in greenhouse gas measurements including gas-chromatography, flux chamber and eddy covariance-based gas flux measurements. Knowledge in remote sensing based methods are desirable but not requested. The position is available for 30 months starting in June 2018 and will be based at the department “Experimental Limnology” in Neuglobsow, Germany. Salary is paid according to the TVöD (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. Please upload complete application documents as a single pdf-file including CV, a letter of motivation, copies of relevant degrees and contact details of two referees as soon as possible, but no later than **March 30<sup>th</sup>, 2018** via the IGB's (<http://www.igb-berlin.de/en/jobs>) online job-application facility (button “Apply online”).