



BIOLOGY CENTRE CAS

Institute of Hydrobiology

address: Na Sádkách 702/7, 370 05 České Budějovice, Czech Republic

IBAN – CZ24 0800 0000 0000 0606 3942 | SWIFT CODE – GIBACZPX | VAT No.: CZ60077344

phone: +420 387 775 881 | fax: +420 385 310 248 | www.hbu.cas.cz | e-mail: hbu@hbu.cas.cz

Position announcement:

Spatial ecology of fish

Biology Centre of the Czech Academy of Sciences offers a **position for a spatial ecologist to analyse fish telemetry data**.

Currently spatial ecology and distribution of fish can be studied by new automatic telemetry systems that provide unprecedented data with extremely high spatiotemporal resolution. As such behaviour and distribution of studied individuals can be described as never before. Moreover, association of precise movement data with environmental descriptors can provide unique and novel insight into fish ecology. The institute of Hydrobiology of the Biology Centre CAS (IHB) collected large amount of high precision data about fish movement using telemetry positioning system during last years. These data include observation of hundreds of individuals in several large lakes in the Czech Republic (current database contains about 30 millions of positions) as well as spatiotemporal data about their environmental background. The candidate is assumed to analyse these spatial data in order to explore habitat use, niche overlap, strategies, predator-prey interaction and movement patterns of fish. These results will be linked to bioenergetic models and dynamics of abiotic factors in lakes to answer broader ecological questions.

IHB carries out research in various freshwater ecosystems with main emphasis on man-made reservoirs. Labs and teams at IHB cover all aspects of freshwater ecosystems ranging from water chemistry to biochemistry, bacteria, protozoans, algae, zooplankton, fish and their predators (more info: <http://www.hbu.cas.cz/?lang=en>).

Salary will be commensurate with the applicant's experience and skills and it is negotiable. The salary will be enough to ensure good to excellent living standards in the Czech Republic where the living costs are generally low. IHB can offer help in securing non-commercial accommodation.

Foreign applicants will receive full support in transferring to the Czech Republic. Knowledge of Czech is not required but the successful applicant will be offered support to take up language courses and reach a basic level of proficiency.

The position is initially for a two-year period with a possibility for extension based on funding realities. The position also requires a three-month probation period.

Minimum qualifications:

- Highly motivated with ability to learn new skills in data processing and manipulation.



- Graduate degree from a recognised university in biology with an emphasis to spatial ecology of animals.
- Ability to handle large datasets.
- Good knowledge of the R language and environment.
- Strong statistical background.
- Ability to work independently and as part of an active team with people from different disciplines and background.
- Excellent written and communications skills.
- Good knowledge of English.

Preferred qualifications:

- Experience with animal telemetry and movement analyses
- Knowledge of fish ecology and limnology
- Knowledge of spatial analysis (ArcGIS, PostGIS) and statistics
- Knowledge of bioenergetic models

How to apply:

Interested applicants should email the following documents to Dr. Milan Riha (milan.riha@hbu.cas.cz), by Wednesday May 31st 2017 at 5pm Central European Time:

- 1) Cover letter outlining skills and interest in the position
- 2) CV including full publication list
- 3) Copies of relevant diplomas and 1-2 relevant publications
- 4) Contact details for 3 references

The selection committee will begin evaluating applications on Thursday June 1st 2017 with the aim to rapidly fill the position with a target start date approximately in the fall of 2017.

Other information:

Ceske Budejovice, the site of IHB, is a medium-sized town ca. 150 km south of Prague with 100,000 inhabitants and a relaxed atmosphere. Both the town and the surrounding countryside provide numerous opportunities for research and leisure activities.