



## JOB OFFER

The Faculty of Civil and Environmental Engineering of the Warsaw University of Life Sciences (WULS-SGGW) is looking for a person to work as a **research assistant (post-doc)** in the full-time position at the Department of Hydraulic Engineering, Division of Hydrology and Water Resources. The person employed in this position will carry out research tasks within the framework of the SONATA 14 grant funded by the **National Science Centre (NCN)** entitled "The effect of river flow variability and extremes on biota of temperate floodplain rivers under multiple pressures" (No. 2018/31/D/ST10/03817). The objective of this project is to increase the understanding about the effects of river flow variability, with a particular focus on extreme low and high discharges, on biota (macroinvertebrates and fish) of temperate floodplain rivers under multiple pressures such as climate, land use and water use change. The project will explore three different pathways of studying **flow-ecology relationships**, each one suited and adapted to a particular spatial scale: (1) systematic review and meta-analysis synthesising findings from primary studies carried out within a homogenous European eco-region containing Poland; (2) statistical modelling carried out at national scale; (3) ecohydrological modelling using the integrated modelling framework (IMF) concept, supported by extensive field sampling, carried out at small to medium-sized catchment scale. The primary responsibility of the post-doc will be development and application of the IMF consisting of a suite of models (hydrological – hydraulic – water allocation – ecological) in a small lowland catchment. The models will be used to study the impact of climate, land use and water use change on flow-mediated responses of riverine biota. An ideal candidate should thus have research interests at the interface of **hydrology and river ecology** as well as experience in working with hydrological and/or ecological models. The work will be carried out in a young, dynamic and inter-disciplinary team, giving the opportunity to implement one's own research ideas, scientific development and publication of articles in renowned scientific journals.

### Required skills:

- PhD degree (earth science, environmental engineering, environmental protection, ecology or related disciplines);
- Very good knowledge of English, enabling writing of scientific papers, presentations at international conferences and smooth communication with foreign partners;
- At least basic programming skills (e.g. R, Matlab, Fortran);
- Experience with GIS software (e.g. QGIS, ArcGIS);
- Experience in working with ecological, hydrological and/or hydraulic and statistical models will be an asset;
- Documented scientific achievements:
  - a) A minimum of three published or accepted (required DOI number) articles in journals with  $IF > 1$  (being the first author will be an advantage)
  - b) A minimum of three presentations at international conferences / workshops.
- Readiness to participate in short (up to 5 days) research stays in partner institutions (Germany, Austria).



### **Formal requirements**

The candidate must meet the NCN requirements of the SONATA 14 funding scheme for post-doc positions, in particular the doctoral degree must have been obtained **not earlier than 7 years before the year of employment** in the project. In the period of receiving the salary the employed person cannot be employed pursuant to another contract of employment. For full details regarding NCN regulations see the Annex to resolution no 76/2018 of the Council of the NCN of 6<sup>th</sup> September 2018

([https://www.ncn.gov.pl/sites/default/files/pliki/regulaminy/2018\\_09\\_ncn\\_regulations\\_en.pdf](https://www.ncn.gov.pl/sites/default/files/pliki/regulaminy/2018_09_ncn_regulations_en.pdf)).

### **Conditions:**

Gross monthly salary ~ 7 700 PLN. Work period in the project - 34 months. Planned beginning date: **1 October, 2019** (the possibility of delaying the start by a maximum of two months). No teaching obligation (research position). Additional information can be provided by the Principal Investigator: Dr. Mikołaj Piniewski, [mpiniewski@levis.sggw.pl](mailto:mpiniewski@levis.sggw.pl)

### **Additional information:**

The selection board will announce the results by **27 August 2019**. Candidates may be asked for additional information or to hold an interview with selection board members between 14 and 27 August 2019. Please be advised that we will only respond to selected offers. In the absence of satisfactory offers, the competition may be extended.

**Submission deadline:** 13 August 2019, 23:59

### **Required documents:**

- 1) Cover letter (in English);
- 2) CV with information on scientific achievements and contact details of one or two referees (in English);
- 3) A copy of a PhD diploma.

The application documents should be sent as PDF files to the following e-mail address [mpiniewski@levis.sggw.pl](mailto:mpiniewski@levis.sggw.pl) (title „SONATA Post-doc”).

### **Information clause:**

Please be advised that all personal data that will be provided by you in the recruitment procedure conducted for the above-mentioned position by the Warsaw University of Life Sciences (hereinafter referred to as SGGW) will be processed by WULS-SGGW in order to carry out the above-mentioned recruitment procedure in accordance with Art. 6 par. 1 lit. a) Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46 / EC (General Data Protection Regulation), hereinafter referred to as RODO. The administrator of Personal Data is the Warsaw University of Life Sciences in Warsaw, with headquarters at ul. Nowoursynowska 166, 02-787 Warsaw. Personal data will be stored until the end of the recruitment procedure conducted by WULS-SGGW. In WULS-SGGW, there is the Data Protection Supervisor who supervises the correctness of personal data processing, which can be contacted via the e-mail address: [iod@sggw.pl](mailto:iod@sggw.pl). In accordance with the provisions of the RODO, we would like to inform you that you have the right from WULS-SGGW as the Administrator of Personal Data to access your data, correct it, transfer and delete it, and limit the processing of data and filing a complaint to the supervisory body. Please be advised that we will only respond to selected offers.