



Warsaw, 8 July 2024

### Call for a PhD position

The Institute of Environmental Engineering of the Warsaw University of Life Sciences (SGGW) is searching for a doctoral student for employment at the Department of Hydrology, Meteorology, and Water Management. The person employed at the position will implement research tasks in the scope of the project PRELUDIUM BIS 5 financed by the **National Science Centre (NCN)** entitled “Elevated atmospheric CO<sub>2</sub> - a neglected source of uncertainty in future hydrological projections in different climate zones” (2023/50/O/ST10/00303). The primary objective of the project is to increase knowledge of the role of elevated atmospheric CO<sub>2</sub> (eCO<sub>2</sub>) concentrations in predicting hydrological processes at the catchment scale. The scope of work includes: (1) in-depth literature review on eCO<sub>2</sub> effects on selected plant parameters; 2) Development of SWAT+ model incorporating eCO<sub>2</sub> effect on plant growth and hydrological response; 3) testing the new model in diverse catchments under different climate forcings; 4) quantification of different sources of uncertainty (including eCO<sub>2</sub>) in hydrological projections.

Candidates are sought whose research interests include **hydrology and climatology**, especially in an area involving the application of mathematical models of environmental processes. Openness to new topics, i.e. environmental physiology, is welcome. Desirable qualities are: high motivation for scientific work, ability to work in a team, conscientiousness. Availability to work 100% full time is expected. The work will be performed in a dynamic, interdisciplinary, international team, providing the opportunity to implement own research ideas, scientific development and publication of articles in renowned scientific journals. The project includes a **6-month research internship** at the Texas AgriLife Research - Blackland Research & Extension Center in the USA, funded by a grant from the National Agency for Academic Exchange (NAWA), as well as ongoing scientific cooperation with foreign and domestic partners. In addition, the project budget provides funds for participation in workshops, conferences, courses, etc.

---

Szkoła Główna Gospodarstwa  
Wiejskiego w Warszawie

Instytut Inżynierii Środowiska

ul. Nowoursynowska 159  
02-776 Warszawa  
+48 22 59 35 271  
iis@sggw.edu.pl  
www.sggw.pl

#### Required qualifications:

- MSc title (environmental engineering, Earth sciences, agricultural sciences, environmental protection, applied mathematics, or related disciplines);
- Excellent knowledge of the English language, permitting writing scientific papers, presentations at international conferences, and fluent communication with foreign partners;
- The following skills will be preferred:
  - Experience with proces-based mathematical models (hydrology, plant growth)
  - Scripting in R/Python (e.g. for processing and analysis of environmental data)
  - Basic programming skills in Fortran
  - Experience with GIS software

The competition is open for persons that do not have a doctoral degree and are not participants of Polish doctoral schools. The scholarship committee will take into consideration **two criteria**: (1) competences for implementation of particular tasks in the research project; (2) scientific output of the candidate, including publications in renowned scientific journals. The competition winner will be obliged to submit recruitment documents to the SGGW Doctoral School (<https://www.sggw.edu.pl/rekrutacja/rekrutacja-szkola-doktorska/>) for the purpose of obtaining the status of a PhD student.



**Employment conditions:**

Doctoral scholarship for a period of **48 months** to the amount of **5,000 PLN** per month until the mid-term evaluation (24<sup>th</sup> month), and **6,000 PLN** after the mid-term evaluation, received based on rules stipulated in the provisions of the act of 20 July 2018 of the law on higher education and science. Pursuant to the binding provisions, the scholarship will be reduced by social security contributions, but not by income tax. There is a possibility of obtaining an additional scholarship from the Doctoral School (~3,500/~5,300 PLN before and after mid-term evaluation, respectively. Planned start date: 1 October 2024.

**Additional information:**

Planned term of conclusion of the competition: by 1 September 2024. The candidates may be requested additional information or invited to an online interview with members of the scholarship committee between 19 and 30 August 2024. We reserve the right to respond only to selected offers. In the case of lack of satisfactory offers, the competition may be prolonged.

Please send your application exclusively by email until **5 August 2024** to the following address: [mikolaj\\_piniewski@sggw.edu.pl](mailto:mikolaj_piniewski@sggw.edu.pl) with message title "Preludium Bis PhD".

**Required documents:**

1. Cover letter in English;
2. CV with information on scientific output;
3. Copy of the Master's diploma;
4. Master thesis or selected scientific article with the candidate as the first author;
5. Opinion of the scientific supervisor or a direct superior.

**Information clause for recruitment purposes of the Warsaw University of Life Sciences**

By responding to the announcement through sending your application documents (CV) to the aforementioned email address, or delivering your application documents another way, you agree to processing of your personal data included in the sent documents by the Warsaw University of Life Sciences with its seat in Warsaw (Personal Data Administrator) for the purpose of participation in the recruitment process for the position specified in the announcement.

We hereby inform you that the Personal Data Administrator is the Warsaw University of Life Sciences with its seat in Warsaw (00-787) at ul. Nowoursynowska 166 (hereinafter "SGGW" or "Administrator"). Contact with Administrator is possible to the correspondence address specified in the previous sentence. We also inform you that SGGW has appointed a Personal Data Inspector, available for contact regarding any issues related to personal data protection under email address: [iod@sggw.pl](mailto:iod@sggw.pl).

Personal data provided by you in your application documents are processed based on the following:

1. In the scope of data specified in labour law provisions, i.e. art. 22<sup>1</sup> and art. 22<sup>1a</sup> of the act of 26 June 1974 Labour Code with further amendments – based on art. 6 par. 1 letter c) Regulation of the European Parliament and of the Council (EU) 2016/679 of 27 April 2016 regarding protection of natural persons in terms of personal data processing and regarding free flow of such data, and revoking directive 95/46/EC (GDPR), i.e. for the purpose of implementation of the legal obligation imposed on the Administrator.
2. In a scope other than specified in point 1 – based on art. 6 par. 1 letter a) GDPR, i.e. based on your consent. Lack of consent specified in this point or its revoking cannot constitute the basis for unfavourable treatment of a person applying for employment, and cannot cause any negative consequences. It particularly cannot constitute a cause justifying refusal of employment.

Personal data are disclosed to employees or partners of SGGW, as well as to entities providing SGGW with support in terms of commissioned services and in accordance with concluded entrustment agreements.

Your personal data obtained from you in the application documents will be processed over a period not longer than the duration of the current recruitment process.

You have the right of access to your data, and to their correction, deletion, limiting their processing, transfer of data, submitting a protest towards their processing, and revoking consent at any moment with no effect on the legality of the processing right.

The candidate also has the right to submit a complaint to the President of the Office of Personal Data Protection when they recognise that processing of their personal data infringes RGDP provisions. The provision of data in the employment application is voluntary, but necessary for participation in the current recruitment process and potential future recruitment processes.