Post-doc position in OPTAIN project at Warsaw University of Life Sciences (WULS)

Warsaw University of Life Sciences

Institute of Environmental Engineering

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OPTAIN is an EU Horizon2020 project with 22 partners from 15 European countries. The project has started in September 2020 with a duration of five years. OPTAIN will develop "**OPT**imal strategies to ret**AIN** and re-use water and nutrients in small agricultural catchments across different soil-climatic regions in Europe". OPTAIN aims to advance the state-of-the-art knowledge on Natural/Small Water Retention Measures (NSWRMs), in particular on their optimal spatial allocation and combination in small agricultural catchments. To this end, catchment and field-scale biophysical and economic models are applied to evaluate the environmental and economic sustainability of NSWRMs using a comprehensive set of relevant indicators (e.g. related to flood/drought mitigation and water quality improvement) and a standardised, protocol-based **modelling approach** across all case studies.

The role of WULS in the project is: (1) coordination of the work package "Integrated assessment of NSWRMs" (with a particular focus on **SWAT+** modelling) (2) contribution to the work package "Retrieval of modelling data and solutions to overcome data scarcity" and (3) carrying out the workflow of OPTAIN activities in the Polish case study catchment. The position will entail all three aspects.

An ideal candidate would have:

1) Sound expertise in SWAT/SWAT+ and/or other similar models;
2) Some experience with modelling of NSWRMs / agricultural BMPs;

3) Scripting/programming (R/Python/Fortran) and GIS skills;
4) Skills in handling large data sets;
5) PhD title in environmental engineering, geosciences or agricultural sciences;
6) Good understanding of hydrological processes, nutrient transport and crop growth;
7) Readiness for and experience in field work related to hydrological measurements and water sampling;
8) Academic writing skills.

The work will be executed in a close collaboration with international partners, e.g. UFZ (Germany), NIBIO (Norway), Klaipeda University (Lithuania) as well as all 14 OPTAIN case studies, so a spirit towards **collaborative work** will be preferred. English proficiency is mandatory. Other desirable features include: strong motivation for scientific work and being open-minded to interdisciplinarity. The work will be performed in a dynamic and inter-disciplinary team, allowing for implementation of own research ideas, scientific development, academic exchange and publication of articles in renowned scientific journals.

This post-doc position is proposed as full time (100% FTE). Proposed annual gross salary ~100,000 PLN. The funding is available til August 2025, but the initial appointment will be shorter (length to be agreed with the candidate). A formal prerequisite is that eligible candidates should have diplomas obtained in EU, OECD or EFTA countries. Position is available from as soon as possible.

Required documents:

1)   Cover letter in English;
2)   CV with information on scientific output;
3)   Copies of the Master's and PhD diplomas;
4)   Selected scientific first-author article (pdf);
5)   Contact details to at least two references.

Required documents:

Planned term of conclusion of the competition: 19 November 2021. The candidates may be requested additional information or invited to an interview. We reserve the right to respond only to selected offers and to prolong the competition, if needed.

Please send your application exclusively by email until 5 November 2021 to Dr. Mikołaj Piniewski: mikolaj_piniewski@sggw.edu.pl with message title "OPTAIN Post-doc".

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.

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. 221 and art. 221a 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.