

# Post Doc Position in Nature Based Solution for Catchments

We invite applications for a three-year full-time Postdoc position in the Department of Ecoscience at Aarhus University in Denmark. The successful candidate will contribute to efforts within two projects funded by the European Commission, NORDBALT-ECOSAFE (Horizon Europe, 2022-2025) and MERLIN (H2020, 2021-2025).

The start date is February 1, 2023, or as soon as possible thereafter.

## Job description

You will be integrated in the ongoing work in some of our large EU projects and your tasks will include:

- Development of a classification framework for Nature-Based Solutions in the Nordic-Baltic Region.
- SWAT+ modelling of Nature-based Solutions in the Odense Fjord Catchment in Denmark under current and future climate conditions.
- Development of an online River Basin Management Support System for six catchments in the Nordic-Baltic Region.
- SWAT+ modelling of freshwater ecosystem restoration measures in several catchments across Europe.
- Collaboration with international and interdisciplinary project consortia.
- Presentation of project results at scientific conferences and meetings with stakeholders.
- Publication of project results in peer-reviewed journal articles, reports, and policy briefs.

## Your profile

Applicants should hold a PhD in relevant research areas such as environmental sciences, geography, ecology, agricultural/ environmental engineering, or a closely related field

Furthermore, the following qualifications will be beneficial:

- Knowledge of hydrological and nutrient transport processes at catchment scale
- Knowledge of statistical methods in hydrology/environmental sciences
- Experience working with geospatial data using Geographical Information Systems
- Catchment modelling experience using SWAT/SWAT+ or similar process-based hydrological models
- Very good communication skills in spoken and written English
- Strong academic writing skills
- Motivation to work in international and interdisciplinary teams
- Python programming skills and knowledge of Database Management Systems are advantageous

## Who we are

The place of employment is the Department of Ecoscience, which is located on the Campus of Aarhus University, in Aarhus. Your colleagues will mainly be from the Section of Catchment Science and Environmental Management who conduct research to acquire new knowledge and insight into how best to respond to the negative consequences, and on this basis we also provide consultancy to various authorities, both nationally and internationally.

## What we offer

The department and research group offers:

- a well-developed research infrastructure, laboratories and access to shared

**Application Deadline:**  
02 December 2022

**Faculty:**  
Faculty of Technical  
Sciences

**Institute/Faculty:**  
Department of  
Ecoscience

**Academic contact person:**  
Katrin Bieger  
Forsker  
katrin.bieger@ecos.au.  
dk

**Vacant positions:**  
1

**Hours per week:**  
37

**Number of months:**  
36

**Expected date of accession:**  
01/02/2023

equipment

- an exciting interdisciplinary environment with many national, international and industrial collaborators
- a research climate encouraging lively, open and critical discussion within and across different fields of research
- a work environment with close working relationships, networking and social activities
- a workplace characterised by professionalism, equality and a healthy work-life balance.

### **Place of work and area of employment**

The Department of Ecoscience (<https://ecos.au.dk/en/>) is organised under the Faculty of Technical Sciences and studies life in all respects. We teach, provide consultancy and research in life; right from bacteria to whales over genes to ecosystems and from basic research to applied biology in nature management and biotechnology. The Department has approximately 275 staff members, just over 100 working in Roskilde, and nearly 175 in Aarhus.

### **Contact information**

For further information, please contact: Katrin Bieger at [katrin.bieger@ecos.au.dk](mailto:katrin.bieger@ecos.au.dk).

### **Deadline**

Applications must be received no later than 2 December 2022.

### **Application procedure**

Shortlisting is used. This means that after the deadline for applications – and with the assistance from the assessment committee chairman, and the appointment committee if necessary, – the head of department selects the candidates to be evaluated. All applicants will be notified whether or not their applications have been sent to an expert assessment committee for evaluation. The selected applicants will be informed about the composition of the committee, and each applicant is given the opportunity to comment on the part of the assessment that concerns him/her self. Once the recruitment process is completed a final letter of rejection is sent to the deselected applicants.

### **Letter of reference**

If you want a referee to upload a letter of reference on your behalf, please state the referee's contact information when you submit your application. We strongly recommend that you make an agreement with the person in question before you enter the referee's contact information, and that you ensure that the referee has enough time to write the letter of reference before the application deadline.

Unfortunately, it is not possible to ensure that letters of reference received after the application deadline will be taken into consideration.

### **Formalities and salary range**

Technical Sciences refers to the [Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation](#).

The application must be in English and include a curriculum vitae, degree certificate, a complete list of publications, a statement of future research plans and information about research activities, teaching portfolio and verified information on previous teaching experience (if any). Guidelines for applicants can be found [here](#).

Appointment shall be in accordance with the collective labour agreement between the Danish Ministry of Taxation and the Danish Confederation of Professional Associations. Further information on qualification requirements and job content may be found in the [Memorandum on Job Structure for Academic Staff at Danish Universities](#).

Salary depends on seniority as agreed between the Danish Ministry of Taxation and the Confederation of Professional Associations.

Aarhus University's ambition is to be an attractive and inspiring workplace for all and to

foster a culture in which each individual has opportunities to thrive, achieve and develop. We view equality and diversity as assets, and we welcome all applicants.

Research activities will be evaluated in relation to actual research time. Thus, we encourage applicants to specify periods of leave without research activities, in order to be able to subtract these periods from the span of the scientific career during the evaluation of scientific productivity.

Aarhus University offers a broad variety of services for international researchers and accompanying families, including relocation service and career counselling to expat partners. Read more [here](#). Please find more information about entering and working in Denmark [here](#).

Aarhus University also offers a Junior Researcher Development Programme targeted at career development for postdocs at AU. You can read more about it [here](#).

*The application must be submitted via Aarhus University's recruitment system, which can be accessed under the job advertisement on Aarhus University's website.*

### **Aarhus University**

*Aarhus University is an academically diverse and research-intensive university with a strong commitment to high-quality research and education and the development of society nationally and globally. The university offers an inspiring research and teaching environment to its 38,000 students (FTEs) and 8,000 employees, and has an annual revenues of EUR 885 million. Learn more at [www.international.au.dk/](http://www.international.au.dk/)*