ANGERS UNIVERSITY
CNRS UMR ESO Angers
Faculty of sciences
Department of biology

Research engineer

French category : A2D47

Presentation of the University of Angers

Located in a region renowned for its quality of life, the University of Angers (UA) is the third-largest employer in the area and offers an environment that supports the growth and development of both its staff and students.
UA is a multidisciplinary institution, welcoming over 26,000 students across three main campuses and two satellite campuses in Cholet and Saumur. It comprises eight academic divisions: five faculties (UFRs), one University Institute of Technology (IUT), one internal engineering school, and one internal business and management school. Its research activities are organized into 31 federative units and research structures.
With numerous innovative projects and a strong international outlook, the University of Angers fosters a dynamic and stimulating environment for all. The university operates on an annual budget of €156 million, including €123 million allocated to salaries. UA employs 1,167 teaching and research staff, 917 administrative and technical personnel, and nearly 2,000 contract-based contributors.
We are seeking committed and bold individuals to join our vibrant community.

Contract features:

Starting date: 01-10-2025
Contract duration: 27 months
Work quota: 100 %
Monthly wage: 1944,50€ monthly gross
Location: 2 boulevard Lavoisier 49000 Angers, France

Title of the project :

SubWA - Subterranean Infrastructures in Wetlands: Assessing the Impact on soils, hydromorphy, and biodiversity

Description of the research project in which the activities entrusted to the agent are embedded:

In the context of the energy transition and increasing urbanization, the development of underground infrastructures, particularly network lines (electricity, gas, etc.), raises concerns about their effects on sensitive ecosystems, particularly wetlands, which play a major role in the water cycle, climate regulation, and biodiversity conservation. As part of an interdisciplinary research project, we aim to assess the ecological effects of installing underground network lines (electricity, gas, etc.) in these environments, with a particular focus on biodiversity (fauna, flora, macroinvertebrates) associated with soil structure, dynamics, and hydromorphic conditions.

Projected Timeline for the Project:

The project will begin in October 2025 and conclude in December 2027.

Definition of the tasks to be accomplished:

As a research engineer, you will be involved in the following tasks:

- Collecting and analyzing geospatial data related to the characteristics of underground infrastructure and wetland ecosystems

- Contributing to the development and application of study protocols and environmental impact monitoring of underground networks in the field

- Creating thematic maps and synthesis reports to highlight the project's results

- Integrating geospatial aspects into a comprehensive approach to the project

- Analyzing data and performing spatial modeling to understand the interactions between underground networks and the ecological processes of wetlands.

Profile:

Education: Master's degree in Geomatics, Geography, Environmental Science, or equivalent (Bac+5)

Skills:
- Proficiency in GIS tools, remote sensing, and spatial modeling tools. Knowledge of geospatial data management software (PostGIS, FME) and database management tools is a plus, along with expertise in statistical analysis.
- Ability to apply field protocols in wetland areas, ensuring the rigorous collection of ecological and geospatial data on-site.

Experience: a first experience in project management in geomatics and wetland environments is highly desirable.

Soft Skills: autonomy, attention to detail, ability to work in a team, analytical mindset, and the ability to present results clearly and concisely.

Languages: proficiency in English (both written and spoken) is required.

Recruitment procedures and contact :

You must submit your CV, cover letter and doctoral degree by mail at :
aurelie.davranche@univ-angers.fr copy to : recrutement@univ-angers.fr

Deadline for applications: **15-08-2025**
This job description is available until the closing date for applications.
On that date, it will no longer be available on the website.

If needed, your contact for any further information: aurelie.davranche@univ-angers.fr