SCIENTIFIC DATA MANAGER
ULIÈGE - RISE

Recherche, Innovation, Support et Entreprises

The University of Liège (ULiège) is an accomplished research institution with more than 3.500 researchers and over 2.000 doctoral students active across all disciplines: humanities and social sciences, life sciences, health sciences, and medicine. Researchers at ULiège have many opportunities to expand their networks and connections. Moreover, ULiège welcomes every year numerous researchers, national as well as foreign researchers thanks to the EURAXESS contact centre. ULiège seeks to be an attractive research institution by improving working conditions for researchers using the HR Strategy for Researchers (HRS4R), creating an inclusive and supportive research environment through the free of charge assistance mechanism offered to incoming researchers and their families or providing conditions for open, transparent, and merit-based recruitment of research positions. For more details about what ULiège can offer you as a foreign researcher, please see https://www.recherche.uliege.be/cms/c_9281209/en/mobilite-euraxess or contact: euraxess@uliege.be .

RISE is the ULiège administration in charge of managing university research and the knowledge transfer from research units. RISE contributes to the development of research by assisting the authorities in the definition, implementation and evaluation of strategic research and innovation policy and by supporting researchers in their research mission. Since October 2021, it is part of RISE's missions to coordinate the **ULiège Research Data Management Committee** (CC RDM). The CC RDM works towards deploying solutions for ULiège researchers to comply with best practice standards in research data management. In particular, the Committee focuses on **Open and FAIR data principles**. These approaches are necessary to support scientific reproducibility but need to be balanced out with applicable regulations and obligations of confidentiality, data protection and security, GDPR, and intellectual property.

To that end, the CC RDM intends on launching **an institutional, inter-disciplinary data storage solution**. This shared storage space shall be available to all ULiège researchers, across Faculties and campuses, to store and access their working data (as opposed to long-term archival or sharing data) while guaranteeing its **security**, and **compliance**, through **streamlined** and clear procedures and policies. The current position aims at **building a proof-of-concept** (POC) of this storage solution based on existing infrastructure.

JOB DESCRIPTION

The Scientific Data Manager position consists in **coordinating the development of a POC for an institutional scientific data storage and management system,** based on the existing storage solutions, and that can be integrated with current and future ULiège data management tools overseen by the CC RDM. The Scientific Data Manager collaborates closely with the Research Data Officer, the CC RDM, as well as the *Service Général d'Informatique* (SEGI) and the *Unités Décentralisées d'Informatique* (UDIs) for the technical, hardware aspects of the mission. They can rely on a strong team of staff members and researchers to conduct their missions.

Although the technical implementation of the eventual POC belongs to the SEGI, this mission does include both a backend, IT component and a frontend, user experience component. The aim is to offer to ULiège researchers a storage solution that effortlessly enables the FAIR data principles, by:

- providing a well-structured data storage space with high-standards documentation and metadata;
- boosting data findability and re-useability;
- safeguarding data access and security;
- seamlessly transitioning into other data management tools for sharing and/or archiving research data.

SPECIFIC DUTIES AND ACTIVITIES

- Assess, improve, and reinforce the currently existing system and infrastructures for research data storage.
- Propose the functional specifications required for the storage system based on benchmarking, gap analyses and focus group testing.
- Set up streamlined, user-friendly processes to optimise and rationalize data traffic and usage.
- Set up user-friendly processes to upload, document, version, look up and download research data.
- Test, execute, analyse, and document the POC processes and define its success metrics.
- Propose a long-term roadmap to go beyond the POC stage.

REQUIREMENTS

- A PhD in any sector **and/or** experience in research **and/or** in research data management is **required.**
  Although this position is ideally suited for R2 or R3 researchers, a candidate at level R1 or at masters level with a strong experience in research or research data management may apply.
  (e.g. PhD in chemistry, medicine, psychology… with a strong data management component, masters in computing science + experience in research data management, masters in biology + experience in lab management, engineering degree + experience in system engineering… or any equivalent profile)
- A **working knowledge** of LINUX operating systems is **required.**
- A **working knowledge** of command and programming languages (Bash, Perl, R, Python…) is **required.**
- A working knowledge of source code management and version control tools like Git is an advantage.
- A working knowledge of concepts such as SAN - NAS - NFS - FABRIC - LUN - SNAPSHOT - Backup & Recovery – Datacenter Architecture is an advantage.
- A working knowledge of other scientific data management tools (Dataverse, RSpace, iRODs, DataLad, …) is an advantage.

Other skills and profile:
- Fluent in French and English;
- Excellent analytical, organisational, and interpersonal skills;
- A working knowledge of project management methods and tools is a plus;
- An experience in working in normative and quality-controlled environment is a plus.

WORK ENVIRONMENT

The position will be based in the RISE offices, both in Liège city centre and on the Sart-Tilman campus, with the possibility of working remotely up to 2 days a week. The work environment is flexible, family-friendly, and open-minded. Although autonomy is highly valued, the working conditions are collaboration-oriented.

EMPLOYMENT TERMS

▶ One-year fixed-term contract, renewable once, in a full-time position (38 jours/week).

▶ Starting **as early as possible, as of July 1st, 2023.**

With your career path and personal details, ULiège Human Resources Department can assess the gross monthly salary. Inquiries about expected salary can be made by contacting said Department (contact: VAL.Melotte@uliege.be). Employment benefits such as reimbursement of public transportation fees and access to a variety of training opportunities are also included. For more information about training please consult:

https://www.recherche.uliege.be/cms/c_12381524/en/listing-des-formations-transversales

ADDITIONNAL INFORMATION

You are encouraged to connect with Judith Biernaux, ULiège Research Data Officer, to gather more information or for any question you might have about the position (jbiernaux@uliege.be, 04/366.55.14). For practical and administrative questions regarding the working conditions at the University of Liège, issues of mobility, and moving to Belgium, please contact euraxess@uliege.be or consult the following websites:

https://www.uliege.be/cms/c_16476345/en/uliege-welcome-on-board
https://www.recherche.uliege.be/cms/c_9281209/en/euraxess-mobility-center

APPLICATION

To apply, please send your resume and cover letter to jbiernaux@uliege.be and rise@uliege.be specifying as subject heading « CCRDM-DM-RISE ». Applications will be welcome until **June 16th, 2023 or until the position is filled**. A first screening of the resumes will be carried out based on the position requirements, then the selected candidates will be invited for an interview at the RISE offices which may be organised in person or remotely, preferably around **May/June 2023**.

Release date: **March 22nd, 2023**