OPEN POSITION: 24-MONTHS POST-DOC IN “CIRCULARITY INDICATORS FOR METALS” AT ULIÈGE GEMME RESEARCH GROUP

GEORESOURCES, MINERAL ENGINEERING AND EXTRACTIVE METALLURGY - GEMME

START DATE: JANUARY 2024 | DEADLINE: NOVEMBER 10TH, 2023

The University of Liège is an accomplished research institution with more than 3500 researchers and over 2000 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 center. 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.

ABOUT THE PROJECT

In the framework of the Circular Wallonia Plan, the ULiege GeMMe (Georesources, Mineral Engineering and Extractive Metallurgy) research group is pleased to open a position for a senior researcher (postdoc) to develop research work and teaching on “Circularity indicators for metals”.

Research Project

Metals are essential to our economy and will be even more so in the coming decades with the transition towards other forms of energy capture, storage, and mobility. Despite regularly alarming news evoking peaks in resource discoveries, metals are still widely abundant in the earth crust and no resource depletion is to be expected any time soon. But, the long-term availability of metals is compromised by manufacturing techniques and product designs that do not consider the challenges of metal recovery at end-of-life and thereby compromise the coming of a circular economy. The aim of the proposed research is to dig into product-level circularity indicators by integrating a good knowledge of resource availability and recyclability which the GeMMe research group is capable of providing. This research will benefit from interaction with both engineers and economist at national and international level.
cooperation with EU policies such as the Critical Raw Materials Act, Product Environmental Footprint and Right to Repair is expected.

**JOB DESCRIPTION**

**Research**
Research work on “Circularity indicators for metals” with the GeMMe research team at ULiège

**Teaching Duties**
The future postdoc will be invited to contribute to lectures delivered to engineering students (e.g. in sustainable energy). He/she will also be in charge of instilling a circular economy perspective in other university courses dedicated to the economy of materials.

**SPECIFIC DUTIES & ACTIVITIES**

**Academic Council for Circular Materials**
This post-doc position is part of a broader initiative supported by the Walloon Government. The titular will report to an academic council with representatives from different faculties (polytechnic, business school) and universities (ULiege, UCLouvain, UMons) and to a follow-up committee.

**YOUR PROFILE**
The candidate will hold a PhD in engineering, science or economics and demonstrate a strong interest for materials and metals in a circular economy. He will be familiar with material flow analysis, lifecycle assessment, product design and product environmental footprint or any related field. He will express his motivation to contribute original research on all actions that might compromise circularity throughout the whole value chain. A demonstrated experience in teaching or wider society learning activities will be considered as an asset.

Experience: max. 5 years after the doctorate

- **Languages:**
  - English (fluent)
  - French (Knowledge of French or willingness to learn French is an asset)

**EMPLOYMENT TERMS**

- Type of contract: full time position as senior researcher at ULiège (postdoc – employed as a salaried employee)
- Length of contract: 24 months
- Start date: January 2024 (or any time soon)
OUR OFFER

With your career path and personal details, ULiège Human Resources Department can assess the gross monthly salary. Employment benefits such as reimbursement of public transportation fees and access to a variety of training opportunities are also included.

Teleworking is possible (1-2 days max a week), but regular presence at the GeMMe labs in Liege, Sart Tilman campus, and close interaction with the research team is expected.

WHAT ABOUT TRAININGS?


WORK ENVIRONMENT

The GeMMe group of the University of Liege contributes to the development of technologies and processes for the responsible and efficient management of mineral and metal resources. It is rooted in the traditional disciplines of mining, mineral processing, and extractive metallurgy. For more than 30 years, and thanks to its mining and metallurgical know-how, its activities have diversified into the management and valorisation of these raw materials in the urban mining sector and the emerging context of the circular economy.

GeMMe is made up of more than 35 employees with multidisciplinary profiles: academic, scientific, and technical. It is supported by a laboratory including state-of-the-art analytical equipment, prototypes, and pilot lines for experimentation.

HOW TO APPLY

Please send the following documents in pdf to Eric Pirard, gemme@uliege.be by November 10th, 2023 at the latest:

- CV
- Specific motivation letter with respect to the importance of indicators of circular economy
- Any useful additional information (ex. 3 most relevant publications)

SELECTION PROCEDURE

- CV and motivation letters screening
- Interview based on the pre-selection
CONTACT DETAILS AND FURTHER INFORMATION

Informal inquiries about the project are welcome. Please feel free to contact Eric Pirard by email: gemme@uliege.be.

Release date: October 18th, 2023

Information on the processing of your personal

The personal data collected follow your application will be processed by Eric Pirard of the University of Liege for the purpose of organizing the selection and recruitment.

These data will be processed based on the execution of pre-contractual measures (art. 6-1, b. of the RGPD).

These data will be kept for the duration of the selection procedure and, at the most, 9 months after the publication of the job offer. This data will not be passed on to third parties.

In accordance with the provisions of the General Data Protection Regulation (EU 2016/679), you may exercise your rights relating to this personal data (right of access, rectification, deletion, limitation, and portability) by contacting the ULiège Data Protection Officer (dpo@uliege.be - Mr. Data Protection Officer, Bât. B9 Cellule "GDPR", Quartier Village 3, Boulevard de Colonster 2, 4000 Liège, Belgium). You also have the right to lodge a complaint with the Data Protection Authority (https://www.autoriteprotectiondonnees.be, contact@apd-gba.be).