

302. Job Advertisement - One vacant position for a full-time Project Researcher (m/f/d) at the Chair of Mining Engineering and Mineral Economics, in the Department Mineral Resources Engineering - Reference ID: 2406WPB

One vacant position for a full-time Project Researcher (m/f/d) at the Chair of Mining Engineering and Mineral Economics, in the Department Mineral Resources Engineering- Start from the earliest possible date in an employment contract limited to three year. Salary Group B1 according to the Uni-KV, monthly minimum salary excl. Szlg.: € 3.578,80 for 40 hours per week (14 x per year), actual classification is according to previous relevant experience.

Project background

MaDiTraCe's (<https://www.maditrace.eu/>) main goal is to enlarge and integrate the portfolio of technological solutions of critical raw material (CRM) tracking solutions and the transparency of complex supply chains. The project aims to develop and test independent digital and geo-based approaches for CRM traceability and to integrate them with a generic certification scheme throughout mineral supply chains from the mine to the manufactured and recycled products. The project intends to increase the readiness of experimental or largely untested methods in both domains, digital and material sciences. A special attention will be payed to the complexity of mineral supply chains with points of material aggregation and of transformation (processing, refining...), including circular economy (recycling).

Job description

We are looking for a PhD student interested in researching the topic "**Impact of traceability on minerals trade**". The research will focus on how traceability systems affect trade, identifying barriers and opportunities within the mineral commodities sector. This study will explore in depth the intervention of various traceability technologies and methodologies, evaluating their impact. The candidate will analyse case studies from different regions and minerals and study how traceability influences market dynamics and regulatory compliance. The PhD candidate will collaborate with industry stakeholders, policy makers and academic experts to develop comprehensive ideas and practical recommendations for improving traceability in the minerals trade.

What we are looking for / your background

Your background is in any of the engineering fields associated to the solution of the given task (civil, mining, IT engineering) or in economics with a focus on international trade, and you show a keen interest in developing comprehensive solutions in this project. This requires familiarity with mining and processing, as well as the supply chains of CRMs. Since the project consortium consists of 15 European partners you should be fluent in English (written and oral), be willing to travel, and have good interpersonal and communication skills as well as understanding and adaptability to cultural differences. Writing reports and academic publications will be at the heart of your job and you will be required to be proactive, self-organised, and work independently.

What we offer

You will be working within a young and motivated international team of researchers at the Chair of Mining Engineering and Mineral Economics of Montanuniversitaet Leoben, one of Europe`s top technical universities related to raw materials. In this project, you will be working on a very broad and highly relevant subject enabling you to further develop your skills on tracking and tracing as well as sustainability of mineral supply chains considering their impact on society and the environment.

Additionally, personal skills in intercultural teamwork, project management, as well as confidence and capacity in producing and presenting scientific results to various audiences will be fostered.

The Montanuniversitaet Leoben offers its employees an attractive and appreciative working environment:

- You live in Leoben, in the heart of Austria and Europe – in a safe and clean environment and have a job in an attractive location with a wide range of cultural and leisure opportunities.
- We offer you a university-owned car park, as well as e-charging stations and good connections to local and long-distance public transport.
- We attach great importance to appreciative and supportive teamwork as well as an extended induction phase. Furthermore, annual appraisal interviews are held between employees and supervisors.
- As a part of your employment, you are covered by full health and supplementary pension insurance and can take advantage of our health services (occupational physician, free preventive medical check-ups, health day, vaccination campaigns...). The University Sports Institute offers numerous sports and fitness courses at its own employee rate.
- We also have a company canteen with freshly prepared meals every day and numerous discounts with various trade partners and voucher campaigns.

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End of Application: 31.07.2024

The Montanuniversitaet Leoben intends to increase the number of women on its faculty and therefore specifically invites applications by women. Among equally qualified applicants, women will receive preferential consideration.

For the application please use the online form on the homepage: <http://www.unileoben.ac.at/jobs>

Der Rektor:

Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing. E.h. Peter Moser

Impressum und Offenlegung (gemäß MedienG):

Medieninhaber, Herausgeber und Hersteller: Montanuniversität Leoben, Franz Josef-Straße 18, A-8700 Leoben.
Vertretungsbefugtes Organ des Medieninhabers: Rektor. Univ.-Prof. Dipl.-Ing. Dr.mont. Dr.-Ing. E.h. Peter Moser
Verlags- und Herstellungsort: Leoben. Anschrift der Redaktion: Zentrale Dienste der Montanuniversität Leoben, Franz-Josef-Straße 18, A-8700 Leoben. Unternehmensgegenstand: Erfüllung von Aufgaben gemäß § 3 Universitätsgesetz 2002, BGBl. I Nr. 120/2002 in der jeweils geltenden Fassung. Art und Höhe der Beteiligung: Eigentum 100%. Grundlegende Richtung: Information der Öffentlichkeit in Angelegenheiten der Forschung und Lehre sowie der Organisation und Verwaltung der Montanuniversität Leoben sowie Veröffentlichung von Informationen nach § 20 Abs. 6 Universitätsgesetz 2002.