

Intern / Thesis Student (m/f/d) - Sustainability (Biodiversity)

Location Hanau

Temporary

Full time

About Heraeus

Solutions from the Heraeus Group provide faster internet, rid water of germs, and keep hearts beating in time. As a family-owned global technology group, we combine materials expertise and technological leadership to create the most diverse products, all with one thing in common: World-class quality.

About Heraeus Precious Metals

With more than 350 years of experience in precious metals processing, Heraeus Precious Metals is the world's leading provider of innovative products and services, such as precious metals trading and recycling. Our products are used in a wide range of industries, for example to reduce climate killers such as nitrous oxide and methane and in the form of pharmaceutical ingredients for the treatment of cancer.

Our innovative strength is driven by our 3,000 employees in more than 15 countries, who work passionately with our partners to develop pioneering and sustainable solutions.

We are aware of our responsibility towards people and the environment and have set ourselves ambitious CO₂ targets. Sustainability is at the heart of all our business activities.

The following challenges await you:

- As part of the Global Sustainability Team, you will support the team, business lines and sites in transforming our business for a sustainable and responsible precious metals industry.
- You undertake independently your research, as part of your bachelor's / master's thesis, in the field of Biodiversity Impact Assessment and contribute to our Biodiversity Initiative. (See attached description)
- You also support in sustainability projects such as ESG reporting, ratings or other project management.
- Information transfer and transparency are essential for the transformation. You prepare data in a targeted manner in collaboration with the team and package it securely in appealing slides.
- Upon discussion, the option to combine your internship with your thesis.

Your profile:

- Enrolled bachelor's or master's student in Environmental Science, Environmental Engineering, Sustainability Management, or a comparable course of study.
- High degree of proficiency in GIS applications (e.g. ArcGIS, QGIS) and strong skills in handling geospatial data.
- Knowledge in the field of Biodiversity and Sustainability.
- Independent, structured and careful way of working as well as strong research and analytical skills.
- Interest in the challenge of your generation, the path to a more sustainable world.
- Very good command of written and spoken English, knowledge of German an advantage but not a must.

Curious? Apply now!

Please send your CV, grade report and letter of motivation to Ms. Maisy Shiu maisy.shiu@heraeus.com, Prof. Dr. Stephan Pauleit pauleit@tum.de, and Dr.-Ing. Andreas Donaubaueer andreas.donaubaueer@tum.de.

We look forward to receiving your documents.

Contact

Ms. Maisy Shiu

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Heraeus Precious Metals

Bachelor's / Master's thesis

PRECIOUS TO US: Under this pledge, Heraeus Precious Metals is committed to act responsibly toward climate, resources, and people. As part of Heraeus Precious Metals' biodiversity initiative, the company aims to assess the location-specific biodiversity impact of its operations. We are currently seeking an intern to work on this topic with us and, upon discussion, potentially integrate it into a thesis.

Description

To assess the potential biodiversity impact, risk, and opportunity of the company's operation worldwide, a biodiversity impact assessment shall be conducted. A critical element is a geospatial analysis to understand the operation's relationship and proximity to the surrounding ecologically sensitive areas, as it can help to determine which location(s) of the company's operation could be particularly harmful to biodiversity.

Goals

Focusing on Heraeus Precious Metals' own and upstream operation, the goal of this thesis is to map and identify the relationship and proximity of the operation locations to ecologically sensitive areas. Subsequently, to prioritize the operation locations accordingly and identify high-priority locations. The thesis also aims to research and formulate best practices in conducting biodiversity impact assessment within the precious metals processing sector. The outcome of the thesis would form an integral part of the biodiversity initiative at Heraeus Precious Metals.

Scope and tasks

- Research on best practice in conducting Biodiversity Impact Assessment for industrial company, in particular the methodology of Geospatial Analysis with relation to ecologically sensitive areas. (Prominent reference includes but not limited to TNFD's LEAP approach, SBTN, ESRS).
- Define criteria in defining ecologically sensitive areas and identify relevant geospatial data sources.
- Conduct Geospatial Analysis to determine the proximity of operation locations with ecologically sensitive areas.
- Prioritize locations and identify high-priority locations.