

## Master Thesis:

# Study on the operation and types of mines where geotextiles are applied

### Background

A producer of geotextiles wants to find out through this study what possible **new opportunities** are within mining. This study aims to bring more **knowledge on the operation of the types of mines and the specific technologies** used where actual or optional **geotextiles** are applied. The outcome of this study will be used by the business development team, product management team and sales.

### Thesis description and aim

The thesis is structured into several steps:

1. Background research and overview of mines for Europe, South America and Africa with special emphasis on types of mines, operational phase, technologies used.
2. Survey of academia and professionals on their knowledge of the use of geotextiles and in which application.
3. Detailed study around the application of geotextiles in various operational steps within the mining industry
4. Survey based on the initial research results on which mines are most interesting to visit and schedule an interview with the mine engineer. This will lead to understanding the needs and challenges of the mines and understand whether geotextiles can be part of the solution

You will be working in close cooperation with the team of the company and the chair of mining engineering in Leoben.

### What are we looking for / your background / requirements

We are looking for someone with a background in mining engineering. Additional knowledge in mineral processing and metallurgy / leaching is preferred. You are fluent in English and willing to travel for a selected number of trips to the mine sites identified

### Timing

The thesis shall start at the earliest possible date and ideally be finalized by the end of the summer semester 2026.

### Further contact and inquiries:

Priv.-Doc. Dr. Philipp Hartlieb  
philipp.hartlieb@unileoben.ac.at