



## Master's thesis (30 ECTS)

MT\_74

### Working Title

Geothermal potential analysis of tunnels

### Project objectives

Worldwide, there is a huge number of tunnels that could potentially be used to provide heat. Each of these tunnels disposes a geothermal potential, which is determined by different parameters (geological, hydrological, petrophysical, thermophysical). These and many more variables affect the geothermal potential and the possible heat gained. In the scope of this thesis it is intended to find out which parameters have an influence on the **tunnelling related geothermal** utilization potential, how large this influence is and how they influence each other.

### Student has enthusiasm for

Sustainability, heat supply technologies

### Requirements on student

Attention to detail, engagement, good writing

### Start (earliest / latest)

May 2021

### Project term (min. / max.)

6 months full-time

### Coop. with external institution

Geological Survey of Austria, Mag. Gregor Götzl

### Possibility of remuneration

no

### Contact person

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PDF on  
[tunnel.tugraz.at](https://tunnel.tugraz.at):

