



Master's thesis (30 ECTS)

MT_75

Working Title

(Digital) Rock mass discontinuity mapping for risk assesment

Project objectives

Particularly in high alpine areas, rockfalls and rock avalanches occur time and again. If these impact on debris fans, there is a possibility that they will be remobilized and pose a further danger to the existing infrastructure.

In order to determine the size of these boulders and possible failure mechanisms, an analysis of the discontinuities in the detachment area (rock face) is required. Thus the objective should be a 3D discontinuity mapping (drone & classical measurement techniques), as well as kinematic analysis of the rock face at the Wasserradkopf (Carinthia).

Student has enthusiasm for

Risk analysis, mapping, field work

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

Carinthian Provincial Government, Mag. Franz Goldschmidt

Possibility of remuneration

no

Contact person

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