





# INSTITUTE OF ROCK MECHANICS AND TUNNELLING

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# FACT SHEET to the research project ANISO-RM

#### SHORT TITLE / ACRONYM

ANISO-RM

## **LONG TITLE**

Modelling ANISOTROPY of Rock Masses with special focus on Phyllite/Schist

#### **DESCRIPTION**

The review of experimental data concentrates on phyllites and schist taking into account laboratory and in situ data-bases from recent base-tunnel projects in the execution phase.

The various deformation modes are discussed depending on the stress level and the specific discontinuity characteristic. The focus is on anisotropic ground behavior with the specific macro structure due to stratification, schistosity or foliation. The main research activity is the application and comparison of individual constitutive laws described in the context of continuum and discontinuum mechanics.

The research goal is to identify existing gaps in modelling anisotropy of schistose or foliated rock masses and to outline strategies to overcome the main shortcomings in the development of future constitutive laws.

#### **PROJECT COORDINATOR**

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