

Engineering Geology (13)

- Tunnel construction involves severe SI due to unforeseen ground conditions
- SI leading to engineering classification of ground (e.g.) RMR, Q value

- Procedure of SI for tunneling
- (1) Initial geo-modeling based on desk studies, geophysical surveys, borehole drilling, etc
- (2) Engineering classification after lab work

- (3) Design of support
- (4) Observation during construction
- (5) Update of initial geo-model if necessary