



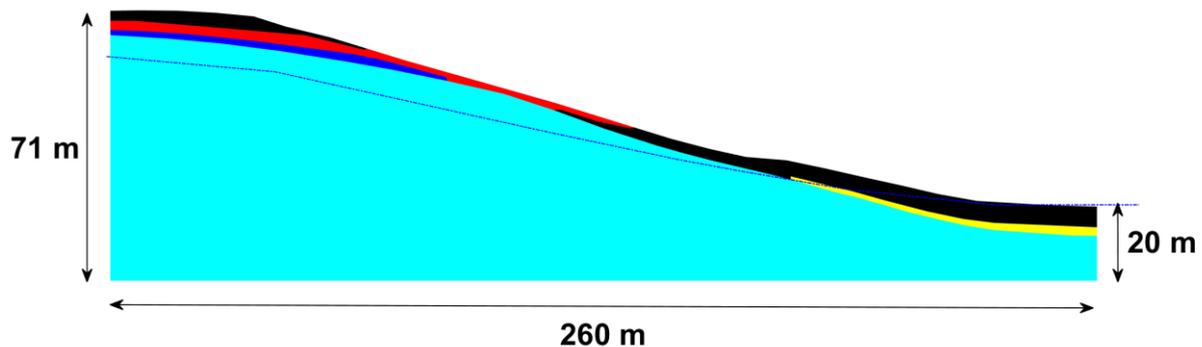
Institute of Geonics, Czech Academy of Sciences

Department of applied mathematics and computer science

Seminar on slope stability and related uncertainty treatment

February 25, 2021, on-line

This on-line seminar is focused on solution of the Czech Science Foundation project Efficient and reliable computational techniques for limit analysis and incremental methods in geotechnical stability. It is a close session for the project team.



- 9:30 - 9:45 **S. Sysala:** Opening – summarization of the research plan focused on stability, shear-strength reduction method, porous flow and uncertainty treatment
- 9:45 - 10:15 **E. Hrubešová:** Stochastic approaches to modelling of slope stability
- 10:15 - 10:45 **S. Domesová:** Comparison of Monte Carlo, Latin hypercube sampling, and sparse-grid stochastic collocation with application to slope stability assessment
- 10:45 - 11:15 **J. Kruis:** Uncertainties in Geotechnical Problems Described by Fuzzy Sets
- 11:15 - 12:00 **Discussion**