Modelling uranium leaching in the underground

**Challenge**

Modelling underground flow and transport of dissolved uranium in Northern Bohemia

**Computational fluid flow**

- Discretization of the modelling grid determined by existing drilling holes differing by depth and quality.
- To reduce cost and time of the simulation to be used for predictions in leaching as well as in remediation.

**Benefits**

The company obtained computational software. Analysis of various theoretical and practical approaches was published to motivate solving further problems.

**H2020 SOCIETAL CHALLENGES**

Careful ecological treatment of natural resources