U waste rock dumps recycling project in the Czech Republic

• DIAMO, state enterprise (former U mining company, remediating in present) plans the project for the period from 2023 to 2050.

• At present at prefeasibility study stage.

• Almost 25 million m³ of waste rock from 10 largest waste rock dumps (covering the area of almost 1.5 million m²) situated in Příbram region will be transferred by belt conveyors to one central depot.

• U and other species will be removed (up to 30 tons of U is expected).

• The remaining rock will be recycled into building materials (mainly stone crush, gravel for roads construction). Total production = up to 1.5 times the annual production of gravel in the Czech Republic.
Example of circular economy

• The project has strong local government and public support.
• The main reasons are the future use of land for urban purposes and elimination of potential risk for human health of radon release from waste rock dumps.

The last stage of mining cycle (mine closure, remediation) naturally switches to the phase of “mining”