

UGEPRER 2020

Training Course on Uranium Geology and Exploration, Uranium Production, Radiation Safety and Environmental Remediation

March 9, – April 3, 2020

**DIAMO, s. p. - International Training Centre/WNU School of Uranium Production
in Stráž pod Ralskem, the Czech Republic**



The comprehensive and extraordinary four-week training course addressing uranium geology and exploration, uranium production, radiation safety and environmental remediation consists of 31 expert lectures, 8 repetitive lectures and 12 field trips and technical visits.

The course focuses on the following topics:

- Uranium geology, exploration, uranium geochemistry, mineralogy and ore genesis;
- Uranium resources, production & demand;
- Hydrogeology and hydrogeological modelling;
- Numerical modelling and databases;
- Geophysical methods;
- Benchmarking in applied dosimetry, efficient methods for environmental monitoring;
- Lifecycle and graded approach, regulation of operational radiation protection;
- Radiation protection for activity related to radioactive mineral extraction;
- Uranium production by ISL;
- Optimal strategies of remediation and principles of remedial technologies;
- Environmental remediation concepts and case study;
- Risk assessment, remediation parameters selection and evaluation.

The lectures are given by the top experts from the Czech leading organizations like DIAMO, s. e., OPV, s. r. o., Czech Geological Survey, State Office for Nuclear Safety, Faculty of Sciences of the Charles University in Prague, VSB - Technical University in Ostrava, Faculty of Nuclear Sciences and Physical Engineering of Czech Technical University in Prague, State Institute for Nuclear, Chemical and Biological Safety in Kamenna and other independent experts.

The part of the training course are visits of Czech leading institutions such as:

- Czech Geological Survey;
- Faculty of Sciences of the Charles University in Prague;
- Faculty of Nuclear Sciences and Physical Engineering of Czech Technical University in Prague;
- State Institute for Nuclear, Chemical and Biological Safety in Kamenna.

The important part of the training course are also field trips and technical visits to DIAMO, s. e. facilities such as:

- Drilling equipment demonstration;
- Technological laboratory;
- Logging demonstration and calibration facility;
- ISL wellfields, surface groundwater remediation processes;
- Alkaline milling and chemical treatment plant;
- Underground laboratory for spent fuel repository in former underground uranium mine;
- Mine water treatment plants;
- Mine and tailings pond water treatment plant.



How to sign up? Please contact Dr. Jiří Mužák, director of WNU SUP, muzak@diamo.cz



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