

# UGEPRER I, II 2023

## Geology and Uranium Exploration Training Courses, Uranium production, radiation safety and environmental protection

**UGEPRER I and UGEPRER II 2023**

**UGEPRER I 22. May 16. June 2023**

**UGEPRER II 2. – 27. October 2023**

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



The comprehensive and extraordinary four-week courses focused on geology and uranium exploration, uranium production, radiation safety and environmental remediation consist of 26 expert lectures, 16 field trips, and technical visits.

The courses focus on the following topics:

- Geology, exploration, uranium geochemistry, mineralogy and ore genesis;
  - Uranium resources, its production and demand;
  - Hydrogeology and hydrogeological modeling;
  - Numerical modeling and databases;
  - Geophysical methods;
  - Benchmarking in applied dosimetry, effective environmental monitoring methods;
  - Life cycle and graduated approach, regulation of operational radiation protection;
  - Radiation protection for activities related to the extraction of radioactive minerals;
  - ISL uranium production;
  - Optimal remediation strategy and principles of remediation technologies;
  - Environmental remediation concept and case study;
- 
- Risk assessment, selection and evaluation of rehabilitation parameters. 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](mailto:muzak@diamo.cz)

WNU School of Uranium Production, DIAMO, s. p.  
Machova 201  
471 27 Straz pod Ralskem Czech Republic E-mail: [muzak@diamo.cz](mailto:muzak@diamo.cz) [www.wnusup.cz](http://www.wnusup.cz)



SCHOOL OF URANIUM  
PRODUCTION

