

EMAR-GP 2020

Training Course on Environmental Impacts of Uranium Mining Activities Reduction – Real Good Practices

May 11, – June 5, 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 reducing of environmental impacts of Uranium mining activities with focus on real good practices consists of 20 expert lectures, 3 repetitive lectures and 20 field trips and technical visits.

The course focuses on the following topics:

- Uranium geology, exploration mapping;
- Geophysical methods;
- Efficient methods for environmental monitoring;
- 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;

The lectures are given by the top experts from the Czech leading organizations like DIAMO, s. e., Czech Geological Survey, 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, Faculty of Science of Masaryk University in Brno, Faculty of Environmental Engineering of University of Jan Evangelista Purkyně in Usti nad Labem and other independent experts.

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

- Czech Geological Survey in Prague;
- 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;
- Faculty of Environmental Engineering of University of Jan Evangelista Purkyně in Usti nad Labem;
- Faculty of Science of Masaryk University in Brno;
- Faculty of Mining and Geology, VSB - Technical University in Ostrava.

The important part of the training course are also field trips and technical visits focused on real good practices such as:

- Drilling equipment demonstration;
- Technological laboratory;
- ISL wellfields, surface groundwater remediation processes;
- Open pit coal mining, land and surface water streams reclamation;
- Mine water treatment plants;
- Radiation protection;
- Geophysical measurements;
- Uranium exploration and mapping;
- Dosimetry and Radon issues;
- Alkaline milling and chemical treatment plant;
- Underground laboratory for spent fuel repository in former underground uranium mine;
- Mine and tailings pond water treatment plant;
- Decommissioning of conventional coal mining;
- Ore mining and processing;
- NPP Dukovany.



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



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