

EMINReM: exchange of experience and best practices in environmentally sustainable resource extraction

From November 21 to 24, 2023, the first educational visit under the EMINReM project took place at Kütahya Dumlupınar University (Turkey). EMINReM (Master Program in Eco-Mining and Innovative Natural Resources Management) is a Master's Program in Eco–Mining and Innovative Management of Natural Resources.

The meeting was attended by almost the entire teaching staff of the Dumlupınar University Mining Department as the host, and the guest delegations represented universities of Kazakhstan, Uzbekistan and Ukraine. Satbayev University and Abylkas Saginov Karaganda Technical University took part from Kazakhstan.

During the working sessions, the Moderator of the program Vasil Mamray acquainted the project participants with the idea, goals, objectives of the project and the main organizational points. Then delegates of the member universities of the project shared detailed information about the master's degree programs in Mining and Surveying implemented at their universities. The educational programs of Satbayev University were presented by Associate Professor of the Department of Surveying and Geodesy Toktarov Ayan Askarovich and senior lecturer of the Department of Mining Bakhmagambetova Gulnara Bakhtiyarovna.

Of particular interest and active discussions were aroused by topics related to online learning programs, the gamification of the learning process by means and applications of VR technologies, and the processes of ensuring the quality of education. Special attention was paid to such forms of education as "problem-based learning" in order to encourage creativity and independence of students.

The working visit also included an introductory tour of the educational and experimental research laboratories of the university.

Summing up the meeting, the project participants unanimously agreed on the importance of implementing the current project on sustainable eco friendly production in the field of mineral resources extraction in the international format of cooperation between leading European universities and leading Central Asian universities for the training of mining engineers.