

II/5 TRAINING MINE

- I. Location of the Laboratory:** A/3 Building, 1st Floor.
(The training mine was established at the university between 1959 and 1962. The section of the building used for its construction had previously served as an air-raid shelter.)
- II. Institute Operating the Laboratory:** Institute of Geography and Geoinformatics
- III. Person Responsible for the Laboratory:** Dr. István Havasi, Associate Professor
- IV. Purpose and Tasks of the Laboratory in Education, Research, and Scientific Services:**
Current main purpose and task: recruitment and hosting of various visitor groups for mine tours, including primary and secondary school students, students of the faculty, partner faculties and other higher education institutions, domestic and international professional groups, and other interested visitors.
Additional purpose and task: supporting faculty practical education related to underground mining, primarily for university students enrolled in mining-oriented study programs.
Practical underground mining training is still periodically conducted in the training mine within the framework of certain courses. These activities are related to mining operations, mining machinery, mine surveying, etc.
- VI. Examinations, Experiments, and Services Available in the Laboratory:**
- Professional guidance of mine tours for visitor groups by qualified program leaders in Hungarian and, less frequently, in English.
 - Teaching of mining-related professional subjects and underground mine surveying tasks (e.g., underground traverse surveying).
- VII. Laboratory Equipment and Main Facilities with Technical Characteristics**
The layout of the training mine fully follows the simplified arrangement of an underground mine. Accordingly, the mine openings can be observed (a horizontal adit on one side and a vertical shaft on the other side), the network of galleries connecting the various underground workplaces can be explored, and the locations of different mining activities are also present (working face extraction area, shaft loading station, etc.).
Regarding the equipment and facilities of the training mine, notable examples include various support structures, transportation equipment, the hydraulic shield support system, and the completed cage-hoist simulation.

VIII. Key Professional Partners:

Hungarian mining professional organizations (e.g., the National Association of Hungarian Miners and Metallurgists), domestic mining companies, etc.

IX. Other Information Relevant to the Evaluation of the Laboratory's Activities:

The annual number of visitors to the training mine is approximately 1,200–1,500 persons per year. In recent years, a continuously increasing demand and a growing importance of the training mine can be observed.

One reason for this may be the disappearance of opportunities for those interested in underground mine visits in Hungary, resulting from the almost complete closure of deep mining operations in the country.

Today, there is virtually no opportunity in Hungary to visit an operating underground mine, observe practical mining and mine surveying activities, or gain practical experience for mining students.

However, students in the relevant fields (mining engineers, mine surveyors, geologists) will continue to require education in underground mining and tunnelling techniques, as well as surveying of underground spaces (cellars, caves), in the future.

