

**Technical University of Cluj Napoca Romania - North University  
Center of Baia Mare - NUCBM Romania  
Letter of intention**

**Re: Call ERA-MIN: “Sustainable and responsible supply of primary resources”**

This letter expresses the intention of Technical University of Cluj Napoca Romania - North University Center of Baia Mare - NUCBM Romania to participate in the project proposal to be submitted under the Call in the following topics:

1. Exploitation
2. Mine closure and rehabilitation

An important part of international projects including EU TEMPUS and PHARE the university has extensive research background on history of mining, study of transboundary effects of mining industry and the evolution in time of the collaboration between neighbor countries, the impact of mining activity in the evolution of human population and natural resources. The continuing higher education training programs to meet specific needs in both Romania and international are designed to meet customer demands in a range of areas including mining and mineral technologies, environmental technology and management.

Key personal includes **Dr Ioan BUD** – expert engineer (professor at the Faculty of Mineral Resources and Environment), specialized in mining security and environment at National Mining School from Ales, France, expert consultant in mining safety, geotechnical mining, geological hazards, mining closure and physical and technical stability of tailing dams.

**Dr Simona DUMA** - expert engineer (associate professor at the Faculty of Mineral Resources and Environment), specialized in mining security and environment at National Mining School from Ales, France, expert consultant in project management, mining and agro tourism promotion, participating in several international programs, specialized in survey research, editing and report writing, publishing and communication, as well as marketing and public relations.

**Dr Ioan PAȘCA** - associate professor at the Faculty of Mineral Resources and Environment specialized in underground mining exploitation, geological hazards, etc.

**Dr Irina SMICAL** – lecturer at the Faculty of Mineral Resources and Environment, specialized in environmental engineering and sciences, especially regarding the usage of natural zeolites in cleaning technologies, rehabilitation of abandoned mining areas.

**Dr Dorel GUSAT** - lecturer at the Faculty of Mineral Resources and Environment, engineer in mining exploitation, specialized in geomechanics and computing at Freiberg Academy of Mining, Germany

**Dr Ioan DENUT**- geologist (associate professor at the Faculty of Mineral Resources and Environment), specialized in geology: petrology, metallogeny, structural geology, with rich experience in mining geology achieved in a economic contract in Chile.

The North University of Baia Mare offer a material base possible to deploy which create conditions to follow and develop all activities in the project and our proposed team benefit of the university staff support and is in a good relation and collaboration with local community and authorities.

**Qualification of the team**

Research field at the Faculty of Mineral Resources and Environment includes large domains and the experience achieved in other similar EU project assures the experience and the competence to contribute in important measure to the success of

the project. Several important EU projects contributed to our experience in team work and project development and management.

The activities in the UNBM Romania - team, cover scientific disciplines in a wide range. Basically, the teaching staff has a mining engineering formation with different specializations: rock mechanics, underground constructions and tailing dam stability, pollutants in mining industry, blasting and explosives, underground mining transport, water management, environmental protection, mining design, management in mining engineering, etc.

The research group is looking for European academic and industrial organisations partners, as partner or coordinator in the proposed frame, specially in the domain of exploitation of nonmetallic substances, nonferrous ores, mine closure and rehabilitation.

Contact person

Dr ing. Simona DUMA

Department of Resources, Geodesy and Environment

Faculty of Resources and Environment

North University Center of Baia Mare

Technical University Cluj Napoca, ROMANIA

[http://www.utcluj.ro/facultati/bm\\_resurse.php](http://www.utcluj.ro/facultati/bm_resurse.php)

(0040)770586329

alizeuro@yahoo.com, simona.duma@yahoo.com