

# DIM ESEE – DUBROVNIK INTERNATIONAL MINING SCHOOL

Project title: DIM ESEE - Dubrovnik International ESEE Mining school

Supported by



This activity has received funding from the European Institute of Innovation and Technology (EIT), a body of the European Union, under the Horizon 2020, the EU Framework Programme for Research and Innovation



**Duration of the project:** 2017 - 2020

**Project leader:** University of Zagreb - Faculty of Mining, Geology and Petroleum Engineering (UNIZG-RGNF)

**Co-location centre:** EIT RawMaterials CLC East Sp. z o.o. (CLCE) (Co-location centre for Eastern Europe)

**Consortium:**

AGH University of Science and Technology (AGH Krakow), Poland

Montanuniversität Leoben (MUL), Austria

National TU Dnipro Polytechnic (NMU), Ukraine

Slovenian National Building and Civil Engineering Institute (ZAG), Slovenia

Technical University of Kosice (TUKE), Slovakia

University of Mining and Geology "St Ivan Rilski" (MGU), Bulgaria

University of Belgrade, Faculty of Mining and Geology (UNIBG-RGF)

**Web page:** <https://dim-esee.eu/>

**Contact person at UNIZG-RGNF:** Assistant Professor Vječislav Bohanek, Ph.D.

**E-mail:** [info@dim-esee.eu](mailto:info@dim-esee.eu)





### Project description:

The Dubrovnik International ESEE Mining School (DIM) brings together international mining experts from eight countries in the heart of the ESEE (East and South East European) Region. Focussing on recent developments within the mining industry and the development of the mining sector, our program aims at transferring new-found, innovative theoretical knowledge, tested in practice, to our participants – professionals, academics and PhD students from ESEE region, RM community, Europe and worldwide.

Within the thematic workshops and project work the focus lies on direct knowledge transfer from renowned experts to the participants, but also the creation of an open dialogue between students, researchers, the industry and wider society. The knowledge and skills gained at DIM increases the employability of mining engineers.

Furthermore, wider general education on topics of mining and especially the improvement of mining techniques, resulting in a lower environmental impact, helps gain wider societal acceptance of mining. Our program, in the long run, will lead to an increase in sustainable mining activities, which will in the process result in economic growth and the creation of employment in the respective countries.

During the four years of project implementation, the following key topics will be analyzed:

- 2017 **Zero waste management**
- 2018 **Deep intelligent mining**
- 2019 **Small mining sites – Innovation in mining**
- 2020 **Small mining sites – Innovation in processing and recycling**

Maximum number of participants is 40, consisting of PhD and MA students as well as researchers and academics from project consortium countries and wider. There is also an on-line version of the school containing recordings of last year's lectures and presentations which can be accessed after a certain fee, and more information is available on the [official web page](#).



## Project objectives and scopes:

- Delivering a competence-driven and industry-related **DIM ESEE Mining School** for RM professionals, academics and PhD students, addressing the topics of the primary interest of the RM community, as a long-lasting, self-sustainable, collaborative education project, supported by strong Higher Education Institutions (HEI) within the region, accompanied by on-site experiments;
- Creating a new **collaborative, multidisciplinary network** between eight partners from eight ESEE countries, contributing to building of the overall ESEE KIC community, and key industrial partners from ESEE active mining regions: Istria, Croatia; Legnica-Glogow Copper District, Poland; Hochsteiermark, Austria; Savinja region, Slovenia; the North Hungarian Mountains area; Prievidza and Roznava, Slovakia; Timok, Eastern Serbia and Kryvorizkyi Iron Ore Basin, Central Ukraina;
- A **constructive dialogue with 100 SME-s and large companies** in order to tailor the DIM topics according to the industrial needs, increasing the educational level and subsequently attracting identified industrial partners to the KIC consortium. This should in the long run increase the number of successful matches in industrial symbiosis, demonstrations, new and advanced technological solutions, pilot plants/prototypes, up-scaling projects etc.;
- **Branding a DIM ESEE Mining School among industrial partners** within the ESEE region, under the ESEE Regional Innovation Strategy, RM community and Europe and worldwide through presentation of the DIM at annual industry-academia workshops within the DIM consortia countries, EIT RM annual meetings, brokerage and matchmaking events and highly-ranked European mining conferences;
- Through communication with wider society (web-pages with information in nine different languages) **increasing public awareness on environmental aspects of mining and circular economy** as one of the main focus areas of the RM community and increasing public acceptance of overall mining activities.

## End users:

- **Academics**

More than 500 researchers and academicians from participating DIM consortium institutions will be contacted for the purpose of participation in project activities.

- **Professionals**

Minimum 100 companies from 8 different ESEE countries will be contacted and minimum 10 industrial partners will attend annual industry-academia workshops.

- **PhD and MA students**

More than 400 PhD and 4000 MA students are enrolled in the project consortium institutions. However, recruitment is also possible outside of the consortium, via KIC RM community and at high-ranked European mining conferences. DIM ESEE school awards 2+2 ECTS to participating PhD students.



Overall, about 1000 people from the DIM consortium institutions (academics and PhD students) will benefit from the DIM ESEE Mining School, in addition to academics and PhD students from the RM consortium, Europe and worldwide.

