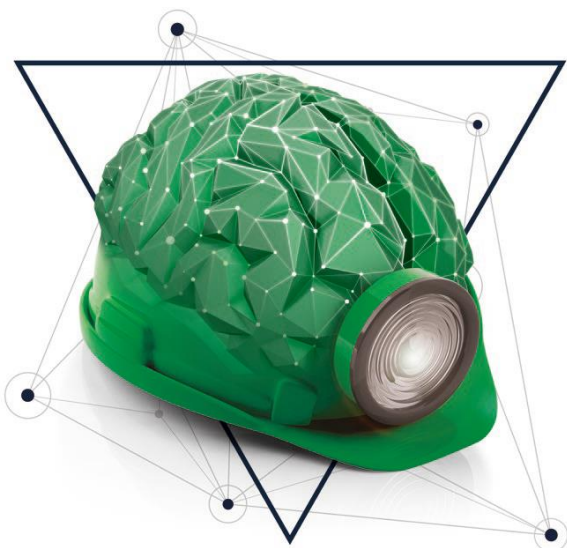


Dubrovnik International ESEE Mining school



Topic: Small mining sites – Innovation in exploitation and processing

October 12th - 16th 2020

Inter University Centre Dubrovnik, Croatia

About the topic

The total number of the deposits and geological occurrences increase exponentially with decrease of their size, and most of the mining operations are conducting within small mining sites. World class deposits are usually the largest in its class, containing high ore grade, with prediction of long life production resulting in a lasting impact on the industry usually under low production cost.

*How often do we find world class deposits? Between two and four world-class deposits are found each year in the world. Europe overall hosts only several dozens of world class deposits, whereas **most of the European deposits are small or intermediate in term of their size and annual revenue.***

DIM ESEE school for the second year continues to explore innovations applicable to small mining sites. This year we are focused to the beginning of the mining cycle: exploitation and follow up processing. Within exploitation part of the school (2 days) we will explore innovation related to new drilling and blasting methodologies and innovative use of machines (mechanization). Processing part of the School (2 days) will focus on mineral characterization and supportive innovative techniques.

Under the 2020 topic Small mining sites – Innovation in exploitation and processing DIM ESEE project partners will discuss innovation in exploitation and processing for small and intermediate size deposits, currently representing vast majority of the European and the ESEE mining industry:

- Innovation in exploitation (Drilling and Blasting)
- Innovation in exploitation (Mechanization)
- Innovation in processing (Mineral characterization)
- Innovation in processing (Techniques)

What is DIM ESEE?

Central idea of the Dubrovnik International ESEE Mining school (ESEE - Eastern and Southeastern Europe) is to transfer international expertise in the field of raw materials to the participants of the DIM workshop. The focus lies on direct knowledge transfer from renowned experts to the participants, but also the creation of an open dialogue between graduate students, scholars, researchers, the industry and the wider society. The knowledge and skills gained at DIM aim at increasing the employability of mining engineers. Furthermore, wider general education on topics of mining and processing and especially the improvement of mining techniques, resulting in a lower environmental impact, help gain wider societal acceptance of raw material extraction and processing. In the long run, the program will lead to an increase in sustainable mining and processing activities, which will result in economic growth and the creation of employment in respective countries.



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

Overall DIM objectives

European Institute of Innovation and Technology (EIT) has granted financing of the educational project “Dubrovnik International ESEE Mining school” (acronym DIM ESEE) through the program KIC Raw Materials. The project consortium consists of eight key higher education and research institutions from the ESEE region with the Faculty of Mining, Geology and Petroleum Engineering (University of Zagreb) as the lead partner.

The main objective of the project is knowledge transfer, as well as strengthening innovation capacities in the mining, recycling and waste management sectors. This is a lifelong learning project that will be implemented in close partnership with industry stakeholders in all project consortium countries. During the four years of project implementation, the following key topics will be analysed:

2017 Zero waste management

2018 Deep intelligent mining

2019 Small mining sites – Innovation in mining

2020 Small mining sites – Innovation in exploitation and processing

Contacts

Visit our web page: <https://dim-esee.eu/>

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