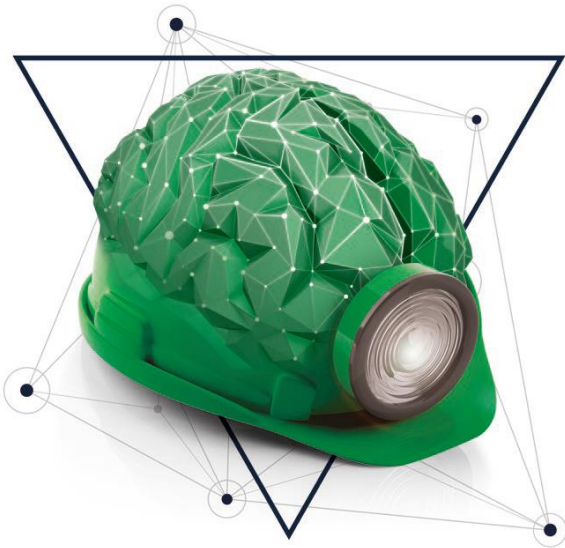


Dubrovnik International ESEE Mining school



Topic: Small mining sites – Innovation in mining

October 14th - 19th 2019

Inter University Centre Dubrovnik, Croatia

About the topic

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. Importantly, the total number of the deposits and geological occurrences increase exponentially with decrease of their size.

Under the 2019 topic Small mining sites – Innovation in mining DIM ESEE project partners will discuss future and innovation potential for small and intermediate size deposits, currently representing vast majority of the European and the ESEE mining industry:

The future of EU mining sector

What is the future of European Raw Materials sector?

What is the future of the Industrial Minerals?

What is the future of European Copper Industry?

Innovation in mining

How do we integrate innovation in education?

Can we excavate in flooded mines?

What are the uses of geoinformation system, drones and 3D models in mining?

EU legislation and urban mining

What is the current state of mineral policy in EU28?

Can we excavate without a blasting vibration?

How can we predict and avoid surface subsidence?

Exploitation: innovation & optimization

Best cases of innovation and optimization implemented by companies within the ESEE region.

Focus on Cement industry

How can European lime industry become competitive and efficient?

How can we reduce CO₂ emission from lime industry?

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.

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 analyzed:

2017 Zero waste management

2018 Deep intelligent mining

2019 Small mining sites

2020 Recycling

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

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