Dubrovnik International ESEE Mining school - DIM ESEE

# Industry on-line workshop:

# Small mining sites – Innovation in exploitation and processing

### June 18th 2020

# About the on-line industry workshop

Under the DIM ESEE 2020 topic “Small mining sites – Innovation in exploitation and processing”, DIM project consortium is organizing the Industry workshop together with respected industry partners from the consortium countries in order to discuss content and relevance of the proposed lectures for the DIM ESEE school, scheduled for 12th-16th of October 2020 at the Inter University Centre in Dubrovnik, based on:

* Results of the DIM ESEE 2020 questionnaire campaign conducted among industry partners from 8 consortium countries (results will be presented during the workshop)
* Personal expertise and experience related to ongoing and future innovation potential in small and intermediate size deposits.

Questionnaire can be found on the [*link*](https://docs.google.com/forms/d/e/1FAIpQLSegUy3-7yrtt6tJ7zYgAbq2e45XidbRyrB34tAZBNW-gFh9Mg/viewform). Content of the proposed lectures should answer to the following questions.

## Innovation in exploitation (Drilling and blasting)

What to expect in future development of explosives and initiation system?

How to reduce environmental effects of blasting?

How to optimize blasting parameters and increase efficiency?

## Innovation in exploitation (Mechanization)

How to predict performance of mechanized excavation?

How to optimize pit mining parameters?

How to plan extraction and design pilot plant?

## Innovation in processing (Mineral characterization)

What is the importance of geometallurgy?

Can we optimise processing routes using mineral mapping?

How to increase effectiveness of flotation?

## Innovation in processing (Techniques)

What should we know about the development of new mining technology?

What are the new methods in bioremediation and biorecycling of mining wastes?

Industry input is expected in preparation of the suitable case studies for the school attendees.

## **Expected results**

Results of the on-line industry workshop will be used as valuable input for the finalization of the DIM ESEE school programme – to be held 12th-16th of October 2020 at Inter university centre in Dubrovnik, and will contribute to:

* Tailoring of the DIM ESEE 2020 lectures
* Recommendations for the improvement of the existing lectures / inclusion of the new lectures
* Establishment of the open dialogue with industry stakeholders and identification of the ESEE RM sector needs in the topic
* Increasing visibility of the DIM ESEE school
* Increasing number of industry participation at the DIM ESEE school
* Increasing visibility of the EIT Raw materials consortium

# 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.

Read more about DIM ESEE as [*success story*](https://eitrawmaterials.eu/dim-esee-school-transfers-international-expertise-and-increases-social-acceptance-of-the-raw-materials-sector/)!

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

# 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 (now available as on-line course at [*https://dim-esee.eu/online-course-2017/*](https://dim-esee.eu/online-course-2017/))

2018 Deep intelligent mining (now available as on-line course at [*https://dim-esee.eu/online-course-2018/*](https://dim-esee.eu/online-course-2018/))

2019 Small mining sites – Innovation in mining (14th – 19th October 2019, IUC Dubrovnik, soon at [*https://dim-esee.eu/*](https://dim-esee.eu/))

2020 Small mining sites – Innovation in exploitation and processing (12th – 16th October, IUC Dubrovnik)

How can you participate?

* Give your valuable input and participate in creation of school programme by filling in the [***questionnaire***](https://docs.google.com/forms/d/e/1FAIpQLSegUy3-7yrtt6tJ7zYgAbq2e45XidbRyrB34tAZBNW-gFh9Mg/viewform) and join us at on-line industry workshop June 18th 2020
* Prepare a case study for school attendees
* Become a school lecturer
* Apply as school attendee via [*https://dim-esee.eu*](https://dim-esee.eu)
* Apply as attendee of our on-line courses at

<https://dim-esee.eu/online-course-2019/>

[*https://dim-esee.eu/online-course-2018/*](https://dim-esee.eu/online-course-2018/) [*https://dim-esee.eu/online-course-2017/*](https://dim-esee.eu/online-course-2017/)

* Become a sponsor (more at [*https://dim-esee.eu/become-a-sponsor/*](https://dim-esee.eu/become-a-sponsor/))

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