

DIM ESEE 2 – DUBROVNIK INTERNATIONAL ESEE MINING SCHOOL – 2021 INNOVATION IN EXPLORATION

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Low level of innovativeness in the RM-sector (Raw Material) of the Eastern and South-eastern Europe (ESEE) region is partly related to lack of professional courses. The DIM ESEE-2 project implementing innovations is a lifelong learning (LLL) project focused on rising innovativeness among raw materials professionals in the ESEE region, having impact beyond and above the duration of the project. It is based on positive results and success of previous DIM ESEE school (2016–2020).

During the preparation phase for the project, DIM ESEE v.2 consortium developed extensive questionnaire for raw materials professionals conducted during January-February 2020, as well as in deep analysis of current ESEE higher education system. Results are pointing to continuous lack of lifelong learning courses for raw materials professionals in the ESEE region, with the exception of obligatory, law-regulated educations for professionals related to safety, working in explosive environment, etc. At the same time classical higher education system with outdated curriculum has very little ability to follow development trends and absorb new innovative and advanced tools and methodologies, reflecting in lower innovativeness rate of their students and alumnus – RM professionals.

Project aims to implement four innovation workshops in exploration, orebody characterization, extraction, and ore processing for the ESEE RM-professionals, which innovation workshops are going to be implemented in Interuniversity Centre of Dubrovnik, in Croatia. In this year the three days workshop will be kept from 20th to 22nd October. The aim is to enhance entrepreneurial and innovative capacity of the region's higher education institutions' graduates and alumni by organizing the following topics:

- Innovation in exploration (2021),
- Innovation in process-oriented orebody characterization (2022),
- Innovation in extraction (2023), and
- Innovation in ore processing (2024).

In this year the focus is on the innovation in exploration, as the workshop highlights on innovative solutions for mineral prospecting and exploration via module divided into three days:

1st day: Main challenges and needs in innovative mineral exploration and robotization.

2nd day: Remote-sensing- and sensor-based techniques and their application in the construction of 3D models.

3rd day: Advanced geophysical data processing and geostatistical methods and their innovative applications for mineral exploration.

Professionals working in raw materials sector can apply, who has good command of English language and basic knowledge related to annual school topic:

- Mineralogy and petrography
- Geochemistry
- Petrophysics
- Economic geology
- Geophysical exploration methods
- Data processing.

We particularly encourage applications of professionals from the following countries: Albania, Armenia, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Italy, Kosovo, Latvia, Lithuania, Malta, Moldova, Montenegro, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Turkey and Ukraine.

Further three spin-off programs will be organized for RM-students at the participating ESEE Universities. Participating RIS Universities will collaborate in preparation of the joint spin-off workshops for RM PhD and MSc students, using prepared materials of the primary Innovation workshops. For the duration of the project three spin-off workshops are going to be implemented: Miskolc (2022): Innovation in exploration; Zagreb (2023): Innovation in process-oriented orebody characterization; Athens (2024): Innovation in extraction. In view of the pandemic, the workshop will be held in a hybrid way, as both the personal and the online presence is possible. You can apply on the project website (www.dim-esee.eu) or request more information by e-mail (info@dim-esee.eu).

The personal participation costs € 400 (+ VAT), while the online version has a fee of € 100 (+ VAT).

References

- DIM ESEE-2: DUBROVNIK INTERNATIONAL ESEE MINING SCHOOL – IMPLEMENTING INNOVATIONS (webpage of the project); downloaded: 2021.03.29.; <https://eitrawmaterials.eu/project/dimesee-2>
- DIM ESEE-2: IMPLEMENTING INNOVATIONS – INNOVATION IN EXPLORATION (webpage of the workshop); downloaded: 2021.03.29.; <https://dev.dim-esee.eu/>
- DIM ESEE-2 INNOVATIVE WORKSHOP – INNOVATION IN EXPLORATION (leaflet of the workshop; in process)