

RM@Schools-ESEE

Title of the project: RM@Schools-ESEE. RawMaterials@Schools-ESEE



Duration of the project: 2020-01-01 - 2022-12-31

Project leader: Montanuniversität Leoben (MUL), Austria

Project partners:

AGH University of Science and Technology, Poland

Consiglio Nazionale delle Ricerche (CNR), Italy

Geological Survey of Sweden, SGU, Sweden

My Climate, Switzerland

National Technical University of Athens (NTUA), Greece

Technical University of Kosice (TUKE), Slovakia

Technical University Wien, Austria

Technische Universität Bergakademie Freiberg (TUBAF)

University of Miskolc (UM), Hungary

University of Zagreb – Faculty of Mining, Geology and Petroleum Engineering (UNIZG-RGNF)



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Web page: <https://rmschools.isof.cnr.it/>

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Project description:

RM@Schools-ESEE is focussed on an innovative programme to make the science education and careers in RM attractive for young students, especially in the ESEE region. An active learning approach will be proposed to schools by RM Ambassadors (experts in some RM-related issues and trained teachers) by involving students in experiments with RM-related hands-on educational kits, in excursions to industries, and in science dissemination activities. The students will be asked to become the Young RM Ambassadors themselves, by creating dissemination products and/or collaborating with experts during public events. Groups of delegates (partners, teachers and students from high schools) from all partner-countries will take part at the annual European Conference jointly organised with RM@Schools 3.0 project, to establish a unique great European network of schools, universities, research centres and collaborative companies. New tools for supporting experimental activities at schools will be set up and developed, while simultaneously using successful educational tools realised in other projects. Finally, some career orienting actions will be performed both at European and local level.

Project scope and objective:

The general scope of the project is to promote and assist a wide dissemination action on RM-related themes in schools and to society in general, with a special attention to East and South-East Europe, by setting up and/or expanding a wider collaborative networking between European and local actors, but also by creating strategic partnerships between different actors of RM sectors, including industry. The core intention of this project is to make research and industry meet schools in a common learning environment. Through this process, RM@Schools-ESEE is particularly targeting the young people, thus increasing their competences with the scientific and technological skills necessary in their everyday life, as well as in their future professional career. RM@Schools-ESEE will create the basis for the development of an RM Ambassadors network, directing the interest of youngsters towards science and technology in general, while also encouraging careers in RM-life chain sectors through familiarising the students with the future job opportunities. Taking the political and the economic importance of the ESEE region into consideration, together with its geological potential and the potential related to the secondary raw materials, RM@Schools-ESEE aims to transfer best educational practices to the countries in this region. The RM@Schools-ESEE consortium ensures geographical coverage in 9 countries, of which 5 from the ESEE region.

The specific objectives of the project are the following:

- to support a standard dissemination approach within the RawMaterials Academy towards EU schools to make youngsters aware of RM-related themes;



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- to increase understanding of the strategic importance of RM, i.e. for high-tech, and their impact on economy;
- to strengthen the collaborative dialogue between the local actors: research, school, companies, society;
- to encourage the careers in science and technology and increase number of students in the related BSc programmes;
- to encourage social inclusion, intercultural and multicultural dialogue, and collaboration among young people of the involved European countries;
- to promote co-responsibility within the young generation, making young people aware of the complexity and interrelation of RM with environmental sustainability issues.

Project activities:

To achieve the project objectives, the consortium will undertake the following actions:

- set up of a national network between schools, companies, museums and scientific organisations;
- reshaping the educational approaches identified and the development of the supporting teaching/learning materials for schools, which will be shared for free thanks to the online platform;
- development of a new hands-on toolkits on different RM-related topics, and use of the already existing educational tools used by the other EIT Raw Materials projects;
- organisation of one-day excursions to companies for students;
- organisation of international summer RM@Schools camps (4 days), where students will have the possibility to “explore the raw materials world” and meet experts from the industry;
- organisation of the Career Orientation Days in the last year of the project, intended for the students involved in the RM@Schools-ESEE programme;
- public events involving RM and Young RM Ambassadors (students), local actors and the public;
- participation of the delegates from the partner-countries in the EU Annual Conference (Bologna, IT), jointly organised with RM@Schools 3.0 project;
- Co-use of the RM@Schools Website and the interactive web profiles for the dissemination of the RM scientific knowledge and the project activities.

