

Local Networks

Local Networks between research institutes, secondary schools, and companies will be set up in all the 6 EU countries with the aim to stimulate schools and companies to get in touch with one another

Consortium

The European consortium comprises of 6 Scientific Organization from 6 EU countries with complementary expertise in the field of RM and education:

1. National Research Council of Italy-ASTER (project coordinator)
2. Stichting Wetsus, The Netherlands
3. University of Liege - Belgium
4. Technische Universität Clausthal, Germany
5. Universidad Politecnica de Madrid, Spain
6. Bay Zoltán Nonprofit Ltd., Hungary



RM Ambassadors at School



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RawMaterials is supported by the EIT, a body of the European Union

Raw MatTERS Ambassadors at School



RM@Schools Ambassadors for a wide dissemination action on Raw Materials related themes in Schools

<http://rmschools.isof.cnr.it/>

AN INNOVATIVE PROGRAM
to make science education
and careers in Raw Materials
attractive to youngsters

Project Objective

- to initiate, promote, and assist a wide dissemination action on RM-related themes in Schools
- to set up or implement strategic dissemination approaches
- to favor a collaborative dialogue and networking between European and Local Actors.
- the development of a network of Raw Matters Ambassadors

The Main Idea



RM@Schools project proposes an **active learning** to schools by involving students (10-19 yrs) in experiments with **Raw Materials related hands-on educational kits and in communication activities.**

Workplan

- All students will be introduced into the RM topics by RM Ambassadors (experts from the consortium) at school or in some suitable places such as Mineralogical and Geological Museum or Research Centre.
- “Pilot “ classes will be transformed into a laboratory and filled with RM- related hands-on educational kits developed by the Consortium.
- The “pilot “ classes will be transformed into a testing group to evaluate the efficacy of RM- related educational kits
- Some classes will also perform excursions in Industries.
- the students from 14 to 19 years old will be involved in a work of science dissemination

Outcomes

- **Learning pathways involving RM toolkits for Science & Technology education**
The hands-on toolkits and dissemination tools are developed by the Consortium in order to transform the classes into a lab
- **Local Networks of research institutes, secondary schools, museum and/or companies** cooperating to create successful activities for schools.
- **An European Network of RM ambassadors**, experts in RM-related issues available to visit schools

Toolkit contents

The toolkits are focused on the six Knowledge & Innovation Themes (KIT) identified by EIT Raw Materials:



1. exploration;
2. mining;
3. metallurgical processes;
4. recycling;
5. substitution of critical materials;
6. circular economy.

These toolkits will be **tested in some “pilot” schools in EU**

Virtual Centre



An on-line platform where the learning pathways and related materials are shared with teachers, students, etc.

It is an help in transfer knowledge on RM to students in the secondary schools.

In the Virtual centre you can find then, download our experimental protocols and get in touch with our scientific educational experts.

LEARNING PATHWAYS



10-19 yrs 10-13 yrs 14-19 yrs

- **Geology & Mining**
- **Recycling & Circular Economy**
- **Substitution**