

Raw MatTERS Ambassadors at Schools (RM@ Schools) is a European project, which is elaborating strategic planning of dissemination capacity and methodology to improve the image of science & technology in schools by explaining the value of raw materials while promoting new professional careers in this sector. This project aims to involve 10 – 19 years old students in hands-on experiments and communication activities. 29 partners from 19 European countries contribute to a large network with schools, companies, museums to rise among the youngsters and society the raw materials issues.

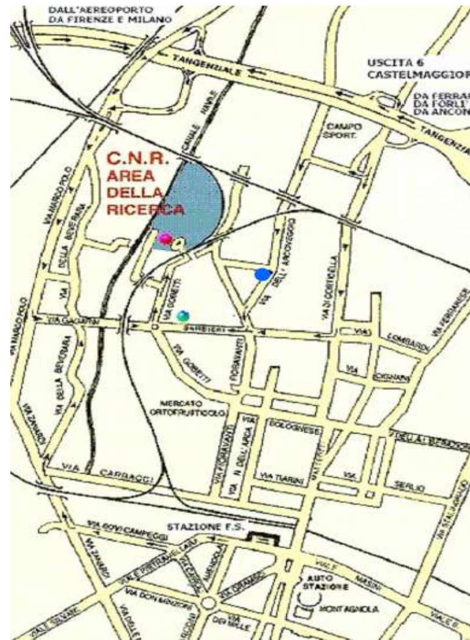
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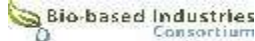
**How to reach us:**



**Bus:**

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In collaboration with

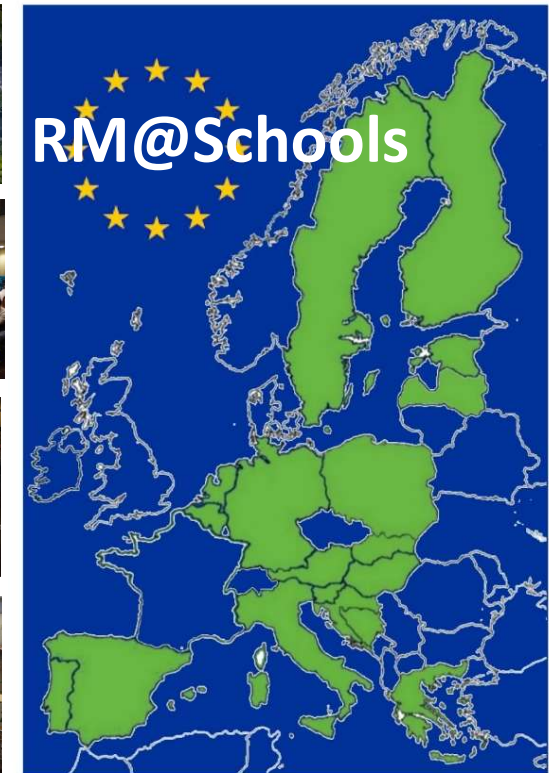


25<sup>th</sup> of October 2022

# VII European Conference

## Raw MatTERS Ambassadors at Schools

Area della Ricerca - Via P. Gobetti 101, Bologna



Online Streaming on

<https://www.youtube.com/watch?v=3mTBQKj7Wkc>



## European Consortium

It comprises 29 partners from 19 EU countries with complementary expertise in the field of RM and education:

National Research Council of Italy (CNR)  
Mountan Universität of Leoben (MUL), Austria  
Stichting Wetsus, The Netherlands  
Universidad Politecnica de Madrid (UPM), Spain  
Technische Universität Clausthal, Germany  
Bay Zoltán Noprofit Ltd. (BZN), Hungary  
Fraunhofer Institute, Germany  
Universidade Nova de Lisboa (NOVA), Portugal  
RWHT Aachen Universität, Germany  
National Technical University of Athens (NTUA), Greece  
Alma Mater Studiorum of Bologna (UniBO), Italy  
Kungliga Tekniska Högskolan (KTH), Sweden  
Tallin University of Technology (TalTech), Estonia  
Geological Survey of Sweeden (SGU), Sweden  
Università Bicocca Milano, Italy  
Politecnico di Milano, Italy  
Geological Survey of Slovenia (GeoZS), Slovenia  
Aalto University, Finland  
VITO, Belgium  
ERION, no profit organization, Italy  
Riga Technical University (RTU), Latvia  
EUROMINES, Europe  
Technische Universität Bergakademie Freiberg, Germany  
Technische Universität Wien, Austria  
University of Banja Luka, Bosnia & Herzegovina  
University of Zagreb (UNIZG-RGNF), Croatia  
University of Miskolc, Hungary  
University of Science and Technology (AGH), Poland  
University of Liege, Belgium

**Conference Chairs:** Armida Torreggiani & Alberto Zanelli

## Organizing Committee:

Luca Bellucci & Silvia Giuliani (CNR-ISMAR), Alessandra Degli Esposti, Giovanna Sotgiu (CNR-ISOF), Emilia Benvenuti, Mauro Murgia, Mirko Seri, Francesca Deganello (CNR-ISMN), Michela Tassistro, Ilaria Schizzi (CNR-SCITEC), Andrea Ienco (CNR-ICCOM), Mauro Orlandini (INAF), Veronika Sochorova (EUROMINES) and Isabel Amez (UPM)

## Technical Support:

Silvano Favaretto, Francesco Manoli, Laura Favaretto (CNR-ISOF); Lorenzo Forini (External Collaborator)  
And with the collaboration by some students from Liceo Galvani (BO)

# Agenda

## Morning Session

**08:30 - 9:00 Registration**

**09:00 – Conference Opening & Official Welcome** by Bernd Schafer  
(CEO of EIT RawMaterials)

**09:15 - Short Overview on RM@Schools** – Armida Torreggiani  
(RM@Schools 4.0 Project Coordinator)

**09:30 - Competition on Raw Materials and their applications** -  
Isabel Amez (UPM)

**09:50 - Students' learning pathways & communication products** –  
presented by Veronika Sokorova (EUROMINES):

- Liceo “Valeriani” – Imola, Bologna, IT
- GENNADEIOS SCHOOL, Athens, GR
- Catholic School Centre & Richmond Park College, Bosnia & Herzegovina
- Liceo "Luigi Galvani"- Bologna, IT
- Otaniemen Lukio – Finland
- Liceo “Roiti”, Ferrara, IT
- Miskolci Herman Ottó High School, HU
- IIS “Ghini” – Imola (BO), IT
- Fraunhofer - Städtisches Stiftsgymnasium Xanten, DE
- IIS “Sobrero” Casale Monferrato (Alessandria) – IT
- SPŠE, Košice, Slovakia

**11:00 - Official Photo & Coffee break**

**11:30 - Students' learning pathways & communication products:**

- Prva gimnazija Varaždin, Zagreb, Croatia
- HTL Leoben – AT
- ISISTL RUSSELL-NEWTON – Florence, IT
- ES Filipa de Lencastre, Lisbon, PT
- Liceo “Manzoni”, IT
- Smiltenes Tehnikums, Riga, Latvia
- Liceo “Copernico”, Bologna, IT
- Békásmegyeri Veres Péter Gimnázium, HU
- Liceo “Roiti” Ferrara, IT
- TU Clausthal - Gymnasium Fallersleben, Wolfsburg, DE
- GENNADEIOS SCHOOL, Athens, GR
- IIS “Aldini-Valeriani”, Bologna, IT
- V Liceum Ogólnokształcące im. Augusta Witkowskiego w Krakowie - Poland
- IES LAZARO CARDENAS, Madrid, ES
- Liceo "Luigi Galvani"- Bologna, IT
- Masarik Univ – Czech Rep

**13:00 – Lunch**

## Afternoon session



**13:45 – 16:00 Exhibit Activities\***

**14:30 - 16:00 Parallel Workshops:**

- **14:30 – 15:45 Digital ecoCEO- It's your business-** VITO (Belgium) – [room 214](#)
- **14:30 – 15:15 EduRAW - TUKE Univ (Slovakia) - -** [room 215](#)
- **14:30 – 15:10 Who wants to be an RM Ambassador?** - NTUA (Greece) - [room 213](#)
- **14:30 - 15:00 Memory Game-** UPM (Spain)- [first floor](#)
- **14:30 – 15:30 Workshop for teachers - RM@Schools Toolkits & Best practices** – CNR, UniZG, Schools - [room 216](#)
- **15:10 - 15:40 Memory Game-** UPM (Spain) – [first floor](#)
- **15:20 – 16:00 Who wants to be an RM Ambassador?** - NTUA (Greece) [room 213](#)
- **15:30 – 15:50 Seminar on Critical Raw Materials - availability, challenges & opportunities** – SGU (Sweeden) - [room 215](#)

**16:00 - Coffee-break:** sharing typical sweets and salty foods offered by each teams

**16:30 - Closure**

## \*Exhibit Activities:

- The wheel of rare earth elements - Memorae
- Magnetism Wonders
- Pee on your plants (for P recovering)
- Put your feet in an open pit – Virtual Reality
- Sustainable Chemistry for Clean Water
- Green Metals: mining metals from water
- Live Performance of Zinc Cerium Redox Flow Cell
- RM@Kitchen, RM@Mars
- Minerals from Bosnia & Herzegovina
- RM@Art
- Amazing Metals
- BRIEFCASE
- ENGIE - Choose your geological profession
- Pyrotechnics Lab experiences with Critical RMs
- Metal Detector escape game
- Photovoltaics
- Etc.