



EIT RawMaterials Conference on:

„Implementing innovation for monitoring and re-activation of the European mining industry”



5 - 6 December, 2019

Bucharest, Romania



Background

The standard of life of Europe was built on mining and processing of mineral resources. However, during the second half of the 20th century, the role of active mining and processing has been substantially reduced, yet many existing mine and processing structures and tailings remained awaiting remediation or recycling. There were new aspects that have been considered as the development of a post-industrial society with an emphasis on knowledge and services.

In the last two decades, new aspects related to the unprecedented degradation of the environment, scarcity of resources and social inclusion have emerged. Now, a strong commitment for monitoring and reactivation of a modern mining and processing sector, including comprehensive restructuring and integration of state-of-the-art technologies and management of natural resources is required.

In most EU member countries there are concerns regarding the restructuring process of the lifecycle management of mineral resources. As an example, in Romania, based on law no. 85/2003, the closure of 556 mines/quarries and the accession to the EU in 2007 brought new requirements and challenges. At present, there is a vast number of sites with tailings and ponds that require compliance with environmental regulations. Similar cases exist in many other parts of the EU, causing a complexity of problems that have to be addressed.

In 2014, under the framework of the European Institute of Innovation and Technology – EIT, it has been initiated a Knowledge and Innovation Community – KIC, named EIT RawMaterials. Involving 120 of partners from leading industries, universities and research institutions, EIT RawMaterials has the mission to boost competitiveness, growth and attractiveness of European raw materials sector via radical innovation, new educational approaches and guided entrepreneurship.

Purpose

The purpose of this event is to present state-of-the-art monitoring and re-activation technologies and services for sustainable revival of the Romanian mining industry, and managing the environmental impact of mining exploitations of mineral resources in the EU.

Participants

At the event, there will be invited decision makers, government representatives, members of parliament, representatives of local authorities, academics, students, experts in the field, ambassadors and representatives of diplomatic missions of EU and neighbouring countries and other international organizations, journalists.



Tentative Program

Date: December 5th, 2019

Venue: Chamber of Commerce & Industry of Romania, CCIR Business Center, 2 Octavian Goga Blvd, 030982 Bucharest

10:45 Registration of Participants

11:15 Opening Session

Ludovic ORBAN Prime Minister of Romania (t.b.c.)

Mihai DARABAN, Chairman, Chamber of Commerce and Industry of Romania (t.b.c.)

Mark SAXON, CEO & President Leading Edge Materials, Canada

Patrick d'HUGUES, Program Director Mineral Resources & Circular Economy, BRGM, France

12:00 Status quo of the Romanian mining and mineral resource sector (Mamut, Ovidius University of Constanta, Romania)

12:20 Tailings monitoring services - STINGS (Zimmermann, DMT, Germany)

12:35 Services for the re-activation of former mine sites - RE-ACTIVATE (Berse, DMT, Germany)

12:50 Plenary Session: *“How to solve environmental issues and generate economic value by monitoring and re-activating former mine sites?”*

13:30 Lunch & Networking Break

14:15 Plenary Session: *“Challenges for tailings monitoring and risk governance of tailings and ponds”*

15:00 Plenary Session: *“Challenges for the implementation of Re-Activation services for closed mine sites”*

15:45 Coffee & Networking Break

16:15 Open discussion of STINGS and RE-ACTIVATE challenges and conclusion

17:00 End of Plenary Session

19:00 Dinner



Date: December 6th, 2019

Venue: “Politehnica” University of Bucharest, Conference Centre

09:00 – 11:40 Parallel Session 1 - Final Workshop RE-ACTIVATE

09:00 - 09:20 Update on RE-ACTIVATE status (Berse, DMT, Germany)

09:20 - 09:40 Case Studies from the ESEE region (Heizmann, CRONIMET, Switzerland)

09:40 - 10:00 Case Study: Integration of EIT RM Closurematic (Kauppila, GTK, Finland)

10:00 - 10:20 Case Study: Re-Activation of Trepca Mine, Kosovo (Mencin, Mesa Intl., USA)

10:20 - 10:40 Coffee Break

10:40 - 11:00 Potential pilot sites Wartowice/Gilow (Pyra, KGHM Cuprum, Poland)

11:00 - 11:20 Potential pilot sites in Romania (Mamut, Ovidius University of Constanta, Romania)

09:00 – 11:40 Parallel Session 2 - Annual Project Meeting STINGS

09:00 - 09:30 Project status overview presentation and general future workplan (DMT)

09:30 - 10:20 Tech development update presentations (DMT, EFTAS)

10:20 - 10:40 Coffee Break

10:40 - 11:00 Progress and work schedule for Chile pilot site (ALL)

11:00 - 11:20 Progress and work schedule for Romanian pilot site (ALL)

11:20 – 12:00 Joint Session

Discussion & Outlook of RE-ACTIVATE & STINGS

12:00 – 12:30 Lunch Break

12:30 End of STINGS and RE-ACTIVATE Workshops, Departure of Participants