CONFERENCE AND IDEATION ON
The Future of Raw Materials Higher Education
Zagreb, Croatia; October 2-4th 2019
Event venue: University of Zagreb, Rectorate Building Trg Republike Hrvatske 14, 10000, Zagreb

EVENT PROGRAMME

Wednesday, 2 October

12:00 – 13:00 REGISTRATION AND LUNCH

13:00 – 16:00 KEYNOTE PRESENTATIONS – Room AULA

13:00 – 13:10 Krzysztof Kubacki; ECLC manager EIT RawMaterials - opening speech
13:00 – 13:10 Damir Boras; rector University of Zagreb – opening speech
13:30 – 13:50 Vitor Correia; European Federation of Geologists, past-president Exploration education from the industry perspective
13:50 – 14:10 Veronika Sochorová, Euromines, communication manager Be Aware - Awareness and mining education from the industry perspective
14:10 – 14:30 Kari Heiskanen; Outotec, Technology director of the mineral processing business area: Mineral Processing Education from the industry perspective

14:30 – 14:45 COFFEE BREAK

14:45 – 15:05 Peter Baur - European Commission DG EAC HEInnovate, a guiding framework for innovative and entrepreneurial higher education institutions
14:45 – 15:05 Michael Hitch; Tallinn University of Technology - Professor of Mining: Digital pedagogy in mining education
15:05 – 15:25 Laura Supjeva; European Institute of Innovation and Technology – Strategy Officer: EIT Regional Innovation Scheme – Concept and cases

15:45 – 16:00 COFFEE BREAK
Wednesday, 2 October

16:00 – 17:00  
Entrepreneurship and regions – Room Aula  
Skills in Digital Era – Room Council

16:00 – 16:15  
Andrzej Biessikirski: Academia potential and future skills and requirements in MIREU regions  
Vitor Correia: INTERMIN program – the skills needed by the European resources industry

16:15 – 16:30  
Gabriela Paszkowska: Experience of cooperation in the joint European educational projects of FEMP (Federation of European Mineral Programs)  
Manuel Labrador Ortega: MireBooks - Mixed Reality Handbooks for Mining Education

16:30 – 16:45  
Ana Arroyo: Entrepreneurship and Innovation programs: common topics and different programs implementations for different targets groups LLL, master, summer schools.  

16:45 – 17:00  
Gijs Du Laing: The CIRCUCITY summer camp and its sustainable cities design challenge  
Angela Binder: Modern Mining Engineering Education transforming towards digital era

17:00 – 17:20  
COFFEE BREAK

17:20 – 18:20  
University Business Cooperation – Room Aula  
Challenges and practices – Room Council

17:20 – 17:35  
Peter Szűcs: Industry related dual education programs at the University of Miskolc  
Suzana Gotovac Atlagic: Tackling the brain drain by RM education in Bosnia and Herzegovina

17:35 – 17:50  
Lucia Rybanska: Technology Transfer and Incubator in Slovak University of Technology in Bratislava  
Radosław Pomykała: RawD Trip Program a challenged based learning story

17:50 – 18:05  
George Barakos: Lifelong Practical Training in Research and Educational Mine Sites  
Jolita Kruopiene: Incorporation of phosphorus (as critical raw material) case into the MSc programme “Sustainable Management and Production”

18:05 – 18:20  
Nikolaus August Sifferlinger: EIT RawMaterials Academy Education Program “Safe Deep Mining”  
Gijs Du Laing: The SINReM Master: multidisciplinary collaboration towards sustainable solutions for the raw materials sector

18:20 – 18:30  
Wrap up of the first day – Room AULA

19:00 – 22:00  
NETWORKING DINNER – Apetit City Restaurant &Bar (Masarykova ul 18, Zagreb)
WORKSHOP PROGRAMME for

CONFERENCE AND IDEATION ON
The Future of Raw Materials Higher Education
Zagreb, Croatia; October 2-4th 2019
Event venue: University of Zagreb, Rectorate Building Trg Republike Hrvatske 14, 10000, Zagreb

Thursday, 3 October - 8:00 – 12:00 CET

8:40 – 9:00am - Room Aula

Wesley Crock Head of Academy EIT RawMaterials: EIT RM Master School and the RACE

9:00-12:30 - WORKSHOP on DIGITAL PEDAGOGY and TOOLS (Council Room)

Touch, marvel, learn – bringing Mixed Reality to the classroom

How can I prepare my students for their professional life in the best way? What opportunities do new digital media offer me to enable experience-based and active learning?

In this workshop you will learn about current trends in university teaching and get the opportunity to familiarize yourself with new digital media (such as Augmented or Virtual Reality). Together we will discuss and reflect on the possibilities and obstacles of integrating Mixed Reality based approaches in teaching. Special attention will be paid to the pedagogical and didactic integration of media to understand the Why, When and How of implementing Mixed Reality in your classrooms.

The workshop is led and offered by Lea Daling (RWTH Aachen University), James Tilbet (SeePilot), and Michael Hitch (TalTech University).

9:00-12:30 - WORKSHOP on UNIVERSITY BUSINESS COOPERATION (Aula Room)

HEInnovate

The workshop will provide the opportunity for participants to familiarise themselves with the HEInnovate online self-assessment tool (https://heinnovate.eu), a joint initiative between the European Commission and the OECD aimed at fostering the entrepreneurial and innovative nature of higher education institutions. The workshop will focus mainly on two dimensions of HEInnovate: Digital Transformation and Capabilities and Knowledge Exchange. Facilitated by international experts, the interactive workshop will engage participants in structured discussions, best practice exchange, the identification of joint interest areas and action planning.

The workshop is led and offered by the experts of Technopolis Group in cooperation with EC DG EAC.

Parallel to workshops: Pitching Training lead by Markus Klein (Faculty council at Faculty of law)

12:00 – 13:00 NETWORKING LUNCH
## EVENT PROGRAMME

**Thursday, 3 October**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
</table>
| 13:00 – 18:00 | **KEYNOTE PRESENTATIONS – Room Aula**  
| 13:00 – 13:20 | **Susanne Feiel**, EIT RawMaterials Regional Center Leoben: Introduction and Context of ESEE DC - Overview of proceedings  
| 13:40 – 14:00 | **Krzysztof Kubacki**, EIT RawMaterials: EIT RawMaterials - opportunities and project competition  
| 14:00 – 14:20 | **Peter Moser**, Montanuniversität Leoben; Sustainable Resource Use - Tailings, Wastes, Slags - General Context, problems and potentials  
| 14:20 – 14:40 | **Ádám Rácz & Gábor Mucsi**, University of Miskolc: Fly ash geopolymers – raw materials for the construction industry  
| 14:40 – 15:00 | **COFFEE BREAK**  
| 15:00 – 15:20 | **Robert Obenaus-Emler**, Montanuniversität Leoben: Application of Geo-Polymers created from processing tailings  
| 15:40 – 16:00 | **Jürgen Antrekowitsch**, Montanuniversität Leoben: Non-ferrous metal slag opportunities - Title to be confirmed  
| 16:00 – 16:20 | **Nenad Tomasic**, University of Zagreb: Project REEBAUX - extraction of rare earth elements out of mine tailings and waste  
| 16:20 – 16:40 | **Patrick Nadoll**, EIT RawMaterials: Sustainable discovery and supply™ – the new EIT RawMaterials lighthouse funding opportunity  
| 17:30 – 19:00 | **OPTIONAL GUIDED CITY TOUR** (Meeting in front of the Venue)  
| 19:00 – 22:00 | **NETWORKING COCTAIL DINNER**; Restaurant Muzej (Trg. Republike Hrvatske 10)
NETWORKING AND IDEATION ON
11th ESEE Dialogue Conference - Sustainable Resource Use – Tailings, Wastes, Slags
Zagreb, Croatia; October 2-4th 2019
Event venue: University of Zagreb, Rectorate Building Trg Republike Hrvatske 14, 10000, Zagreb

EVENT PROGRAMME

Friday, 4 October – 9:00am CET

**Project Idea Competition Pitch – Room Aula**

- Competition of innovative projects targeting the sustainable use of raw materials resources
- Coffee break
- Prize award ceremony

14:00 – 15:00  CLOSING THE CONFERENCE / LUNCH SNACK