

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
Damir Boras rector University of Zagreb – opening speech

13:10 – 13:30

Imre Gombkötő; EIT RawMaterials, education manager CLC East
RawMaterials Academy – ESEE Education Strategy Launch

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

15:05 – 15:25

Michael Hitch; Tallinn University of Technology - Professor of Mining:
Digital pedagogy in mining education

15:25 – 15:45

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.	Jörg Benndorf: The new European MSc – Programme “Geomatics for Mineral Resource Management”
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 Gotovach 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 – Appetit City Restaurant &Bar (Masarykova ul 18, Zagreb)	

WORKSHOP PROGRAMME for

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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 Tibbet (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

NETWORKING AND IDEATION ON

11th ESEE Dialogue Conference - Sustainable Resource Use – Tailings, Wastes, Slags

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Thursday, 3 October

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

13:20 – 13:40

Sibila Borojević Šoštarić, Urša Šolc, EIT Raw Materials HUB - Regional Center ADRIA: Past, present and future of EIT RM participation of Slovenia and Croatia

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

15:20 – 15:40

Richard Berse, DMT:
RE-ACTIVATE: tailings exploration, processing and monitoring

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)

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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