

# EIT Raw Materials: opportunities for education in the raw materials sector

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# EIT RAWMATERIALS ACTIVITIES TO ACHIEVE THE STRATEGIC OBJECTIVES

## EDUCATION

Students, Professionals &  
Wider Society

Entrepreneurial and  
innovation skills

Knowhow of raw materials  
for new technologies

**19% funding**  
**(42 M EUR)**

## ACCELERATION

Innovation & Business  
Creation

Innovation and upscaling of  
technological advances

Business creation and  
entrepreneurship across  
value chains

**59% funding**  
**(132 M EUR)**

## ECOSYSTEM

Partnership & Networks

Systemic change through  
synergies and matchmaking

Strong collaboration with  
wider European initiatives

**22% funding**  
**(49 M EUR)**

# ADDRESSING LEARNERS ALONG THE ENTIRE LIFE CYCLE

## School

- RM@Schools
- RAISESEE
- Skills4Future
- Girls Go Circular

To bring talents to the RM sector

## Higher Education

- EIT labeled Master Programs & events
- Doctoral Schools

To equip learners with expertise in RM related fields

- HEI Capacity Building

To develop transversal Entrepreneurial & Innovation skills at institutional level

## Company

- Lifelong learning
- Alumni platform

For upskilling and re-skilling & talent seekers

Talents

## ENTREPRENEURSHIP

# EDUCATION OPPORTUNITIES – CALLS FOR PROJECTS AND MORE

- **Lifelong Learning**
- **PhD summer schools**
- **Labelled Master programmes**
- **Higher Education Initiative – Call 3**

# 1 - EDUCATION PROJECTS – LIFELONG LEARNING

EIT RawMaterials selects Lifelong Learning courses aligned to a Lighthouse “**Responsible Sourcing**”, “**Sustainable Materials**” and “**Circular Societies**”, by incorporating at least one of the learning objectives of the corresponding Lighthouse

- **customer demand**
- workplan with the learning objectives and the design of the courses
- sound **business model**
- **contribute** to the KIC’s sustainability
- record achievements, lessons learnt, and **continuously improve**

Responsible  
sourcing



Sustainable  
materials



Circular  
Societies

Online Courses / Science, Engineering & Maths



NEW

# Batteries for the Energy Transition: Exploring the Sustainable Value Chain

Discover how batteries function, how they are produced, and what happens at the end of their life cycle.

Email me when I can join



# SPYRO PROJECT: AN INTERACTIVE PYROMETALLURGICAL TRAINING PROGRAM

Developing e-learning and virtual reality modules to train engineers in the management of pyrometallurgical processes: such is the aim of the SPYRO joint project, a training program designed to help engineers taking up positions in pyrometallurgical facilities.



# RawMatCop Academy

The home of Copernicus for  
Raw Materials online courses

Next Edition: Advanced Course

26-30 June, Bologna





Home / Lab2Market

## 6 months programme

- Info days
- Design thinking Labs
- Bootcam Trainings
- Mentoring sessions
- Networking events
- Pitching competition

## Lab2Market - from idea to start-up

- EIT labelled master students
- **PhD students** enrolled in raw materials-related filed of studies at universities within Europe
- Teams including at least 1 member from the aforementioned Master or PhD student

# Key dates

- Deadline for applications Phase 1: **9 February 2023, 17:00 CET**
- Selection of participants of Phase 1 and notification of decision: **mid-February 2023**
- **Phase 1 – Ideation:** February-April 2023
- Deadline for applications Phase 2: **21 April 2023, 17:00 CET**
- Selection of participants of Phase 2 and notification of decision: **early May 2023**
- **Phase 2 – Start-up Development:** May-June 2023
- **Pitching Competition:** late June 2023  **Prize up to 10,000 eur**
- **Phase 3 – Incubation:** June – October 2023  **Funding from 3,000 to 10,000 eur**

## 2 - EDUCATION PROJECTS – PHD SUMMMER/WINTER SCHOOLS

EIT RawMaterials is building a portfolio of new PhD summer/winter schools to align with our Lighthouses “**Responsible Sourcing**”, “**Sustainable Materials**” and “**Circular Societies**”. The schools should:

- Include at least one of the Lighthouse learning objectives
- Meaningfully involve **industry and start-ups**
- Include key EIT education elements (e.g. empower students with entrepreneurial education, provide the industrial perspective, move from knowledge creation to applications)
- Adopt an **interdisciplinary** approach
- Continue after funding period **sustainability model**



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# Summer and Winter Schools

Boost your raw materials knowledge,  
entrepreneurial skills and professional  
network with specialised short courses.

→ [CHECK OUT OUR COURSES](#)



# CLOCKS·R<sup>4</sup>

REFURBISH • REUSE • RECYCLE • RETHINK

## PADOVA 2023

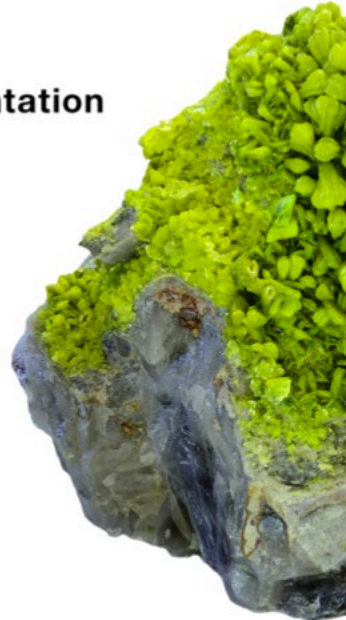
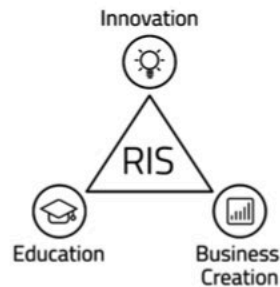
PhD Summer School for Circular Implementation

### MISSION

Closing the loop: building circular skills on the entire value chain

### COUNTRIES

Germany  
Italy  
Slovenia  
Poland



### ADVISORY BOARD

- **3 Universities** (JLU, UniPd, UL)
- **2 Research and Training Offices** (Fraunhofer, MEERI)
- **2 Companies** (Umicore, Novu)

### EVENTS

- 1 week of seminars
- 1 Hackathon
- In-field activities
- 1 MOOC
- 3 Webinars

[clocks.geoscienze@unipd.it](mailto:clocks.geoscienze@unipd.it)

4 PhD summer schools selected so far (KAVA9-10)

- 1 Responsible Sourcing
- 1 Sustainable Materials (Li-ion batteries)
- 2 Circular Societies

# 3 - EDUCATION PROJECTS – LABELLED MASTER PROGRAMMES



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## Mine your raw talent

Join an EIT-Labelled master's  
programme and become a global  
game-changer.

→ CHECK OUT OUR PROGRAMMES

# EIT-LABELLED MASTER AND PHD PROGRAMMES



Master in Resources Engineering



Master in Sustainable & Innovative Natural Resource Management



Master in Advanced Materials for Innovation and Sustainability



Master in Advanced Materials Innovative Recycling



Master in Sustainable Materials



Raw Materials Exploration and Sustainability

T-Shaped MSc Programme for Innovative Mineral Resource Exploration



MSc in Entrepreneurship, Innovation and Technology Integration in Mining



RaVeN – MSc in raw materials value chain





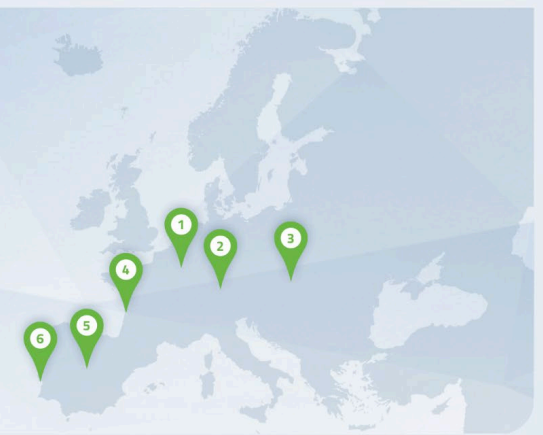
## International Master Programme in Advanced Materials: Innovative Recycling

The AMIR master's programme focuses on the raw materials value chain, with particular emphasis on recycling.



### Participating universities:

- 1 University of Liège, Belgium
- 2 TU Darmstadt, Germany
- 3 University of Miskolc, Hungary
- 4 University of Bordeaux, France
- 5 Technical University of Madrid, Spain
- 6 NOVA University Lisbon, Portugal







# Call for applications: EIT Labelling support 2023

07 February 2023

## 1. Scope of this document

Through this Call for Applications, EIT RawMaterials seeks international master's programmes in Europe to apply for the EIT Label and to join the EIT RawMaterials Academy Master School. This document outlines the process by which European HEIs can apply to EIT RawMaterials for support in obtaining the EIT label for existing master's programmes in the current call for applications.



# Call for applications: EIT Labelling support 2023

07 February 2023

## 1. Scope of this document

International courses taught in **English**

- Learning requirements (e.g., entrepreneurship component, industry involvement)
- Our support for Label application in 2023
- **Benefits for programmes**
- **Benefits for students**



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**Application opens today 9<sup>th</sup> February!**

Coordinated by EIT RawMaterials

# HEI INITIATIVE Innovation Capacity Building for Higher Education

[Read the call text](#)





**What is the EIT's HEI Initiative?**

**The EIT's HEI Initiative helps higher education institutions build the capacity to teach innovation and entrepreneurship**

[Learn more](#)

# Call3 for Proposals – closes 28 February 2023

## Deep tech talent initiative

A few examples of **deep tech** activities include:

- integrating deep tech fields in course curricula;
- supporting deep tech start-ups and spin-offs;
- facilitating deep tech innovations going to market.



# Call3 for Proposals – closes 28 February 2023

## Deep tech talent initiative

### Example of **deep tech** activities

- advanced materials and manufacturing;
- aerospace, including drones;
- artificial intelligence and machine learning;
- biotechnology;
- blockchain;
- Web 3.0;
- electronics;
- photonics;
- quantum computing;
- robotics;
- semiconductors (microchips);
- sustainable green energy and clean technologies.



# Call3 for Proposals – closes 28 February 2023

## Deep tech talent initiative



### Timeline





# Innovation Hub (CLC) South



**Pier Luigi Franceschini**

Innovation Hub Director CLC South



**Valeria De Petris**

Administration and Finance Officer



**Dr Fabio Ferri**

Education Manager



**Lorena Jurado**

Business Development Manager



**Fabio Pegorin**

Business Development Manager

## Activities

- **Community animation** at national and regional
- **Outreach** to external stakeholders
- **Project design** and implementation **support**
- **Start-ups scouting and coaching**
- **Events design**, management and implementation



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