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

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Co-funded by the European Union
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)
ADRESSING LEARNERS ALONG THE ENTIRE LIFE CYCLE

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

**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
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
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.
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
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

6 months programme

- Info days
- Design thinking Labs
- Bootcam Trainings
- Mentoring sessions
- Networking events
- Pitching competition
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
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
Summer and Winter Schools

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

→ CHECK OUT OUR COURSES
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

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 Advanced Materials for Innovation and Sustainability

Master in Sustainable Materials

Master in Sustainable & Innovative Natural Resource Management

Master in Advanced Materials Innovative Recycling

Raw Materials Exploration and Sustainability

MSc in Entrepreneurship, Innovation and Technology Integration in Mining

T-Shaped MSc Programme for Innovative Mineral Resource Exploration

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.
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

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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1. Scope of this document

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Application opens today 9\(^{th}\) February!
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
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
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

Call Launch: Nov 2022
Results: 28 Feb 2023 17.00 CET
Phase 1: May 2023
Phase 2: May 2023
Dec 2023
Jan 2024
July 2024
Innovation Hub (CLC) South

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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Co-funded by the European Union