

## EIT RawMaterials

Michel VANAVERMAETE Director Innovation Hub West and Central ERA.MIN, 18 Nov 2021





#### METALS AND MINERALS ARE KEY DRIVERS FOR THE ENERGY TRANSITION

## Fossil Fuels for combustion engines, Functional Materials in e-motors, er

generators and power stations: oil. gas, coal

**Energy Transition** 

Functional Materials in e-motors, energy storage, energy conversion containing, for example, Co, Li, Pt, REE, Ge, Ga, Si, V



Fundamental shift in the resource basis of a society



# CHALLENGES AND OPPORTUNITIES IN THE RAW MATERIALS SECTOR

#### Challenge

- 1. Increasing and diverse demand for (critical) raw materials
- 2. Volatility of prices and uncertainty of supply
- 3. Decreasing quality of resources and rising costs of supply

#### **Opportunity**

- Substitution of critical and toxic materials, material efficiency
- 2. Recycling of residues and EoL products, smart design
  - 3. Mining in challenging environments, robotics and automation 'industry 4.0'





## LEADING GLOBAL PARTNERSHIP IN RAW MATERIALS





EUROPEAN ERMA

RAW MATERIALS ERMA

ALLIANCE





#### EIT RAW MATERIALS AT A GLANCE

- World's largest community in raw materials sector
- Coverage of entire raw materials value chain
- > 300 KIC partners, > 500 ERMA partners
- KIC partners from 22 EU countries (+10 ERMA)
- 16 locations across Europe (4 more hubs by 2027)
- Headquarters in Berlin, Germany
- Innovation Hub
- RC (Regional Center)
- RIS HUB (Regional Innovation Scheme)
- Countries covered by EIT RawMaterials
- Countries covered by EIT RawMaterials and RIS



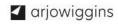




#### WORLD'S LARGEST INNOVATION COMMUNITY IN THE RAW MATERIALS SECTOR

## Industry















































































































#### WORLD'S LARGEST INNOVATION COMMUNITY IN THE RAW MATERIALS SECTOR

### Research and Technology Organisations















































































#### WORLD'S LARGEST INNOVATION COMMUNITY IN THE RAW MATERIALS SECTOR

#### Universities





























































































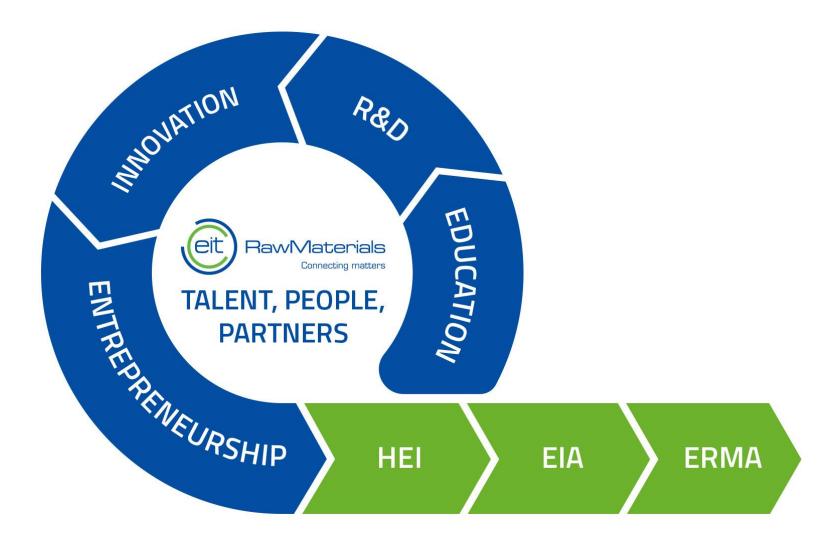








#### EIT RAW MATERIALS IS SECURING SUSTAINABLE RAW MATERIALS SUPPLY FOR EUROPE







### EIT RAWMATERIALS STRATEGIC OBJECTIVES



SECURING RAW MATERIALS SUPPLY collaborating across the entire industrial value chain



DESIGNING SOLUTIONS for materials innovation, products and processes



CLOSING MATERIAL LOOPS a radical shift from linear to circular thinking





#### EIT RAW MATERIALS INNOVATION THEMES

















### INNOVATION, EDUCATION AND ENTREPRENEURSHIP ACTIVITIES

### MATCHMAKING & NETWORKING

**Digital platform:** RM InfoCenter

#### **Events:**

RawMaterials Summit, Expert Forums

#### Matches:

Alumni Community Internationalisation

#### **ACCELERATION**

Up-scaling Innovation Projects

Start-up Booster

RM Accelerator

#### **ACADEMY**

Master Education PhD Education

Lifelong Professional Education

Wider Society Learning

#### **LIGHTHOUSES**

**CROSS-KIC ACTIVITIES** 

**REGIONAL INNOVATION SCHEME (RIS)** 





#### TRANSFORMING IDEAS INTO VALUE Create Capture **Demonstrate** Realise Jumpstarter • EIT RM Accelerator Open Co-creation Value • ERMA Booster funding • Innovation Projects Co-investment Collaborative Pitch TRL 1 -3 TRL > 4 TRL > 5 Idea holders Entrepreneurs, TRL > 7 Project startups Industrialisation consortium





## INNOVATION PROJECTS KAVA CALLS



- Open call: a minimum of 2 organizations at time of registration
- Strategically-orientated: Focus defined in the call text (End Q1)
- 2 Stage Submission & Evaluation process :
  - Stage 1: submission of a DRAFT proposal (5 pages max) to submit with only proposals that will meet all the requested criteria that will go to Stage 2
  - Stage 2: submission of a FINAL proposal, forprojects to be started in 2023



### SUMMARY OF OUR INDIVIDUAL SERVICE OFFERINGS

Service Level	Value Proposition	Content	EIT RawMaterials Brand	What's in for you? <u>Access</u> to
1	RM Networking	Latest innovation trends	RM Summit	New products & services
		Exchange with experts	RM Expert Fora	Thought leaders
		Partners, projects, know-how	RM InfoCenter	World-leading partnership
2	RM Matches	Open innovation	RM Hackathon	Doers & solvers
		Commercialisation support	RM Go-to-Market	Markets & customers
		Exclusive venture club	RM Venture Club	Ventures
3	RM Finances	Accelerate business ideas	RM Accelerator	3-stage accelerator
		Specific coaching and support	RM Booster	Small scale investments
		Strategic raw materials alliance	RM ERMA	Large scale investments
4	RM Talents	Professional education	RM Lifelong Learning	Knowledge and skills
		Support the SLO	RM Wider Society Learning	Public stakeholders & policy
		Brokerage on human capital	RM HC RACE	Talents
5	RM Funds	Public funding from EIT	RM EIT Funding	EIT funding
		Funding from other sources	RM Alternative Funds	Other public funding
		Own investment facility	RM Fund	Equity and co-investment





### **CONTACTS**

For detailed information on opportunities and services, please contact the Innovation Hub CLC Central staff:

• Michel Vanavermaete, Director Innovation Hub, michel.vanavermaete@eitrawmaterials.eu









## SAVE THE DATE 23-25 MAY 2022 BERLIN

This event is organised by EIT RawMaterials GmbH in the name and on behalf of EIT RawMaterials e.V.







