

[All redactions in the document have been done in line with Art.4.1(b)]



EIT RawMaterials

A European initiative strengthening
innovation and education in the
raw materials sector

 , Director of Innovation



Raw materials and advanced materials are *THE* key enablers for the transition in the energy and mobility sectors

Brown Economy

Fossil Fuels for combustion engines, generators and power stations: oil, gas, coal

Energy Transition

Green Economy

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

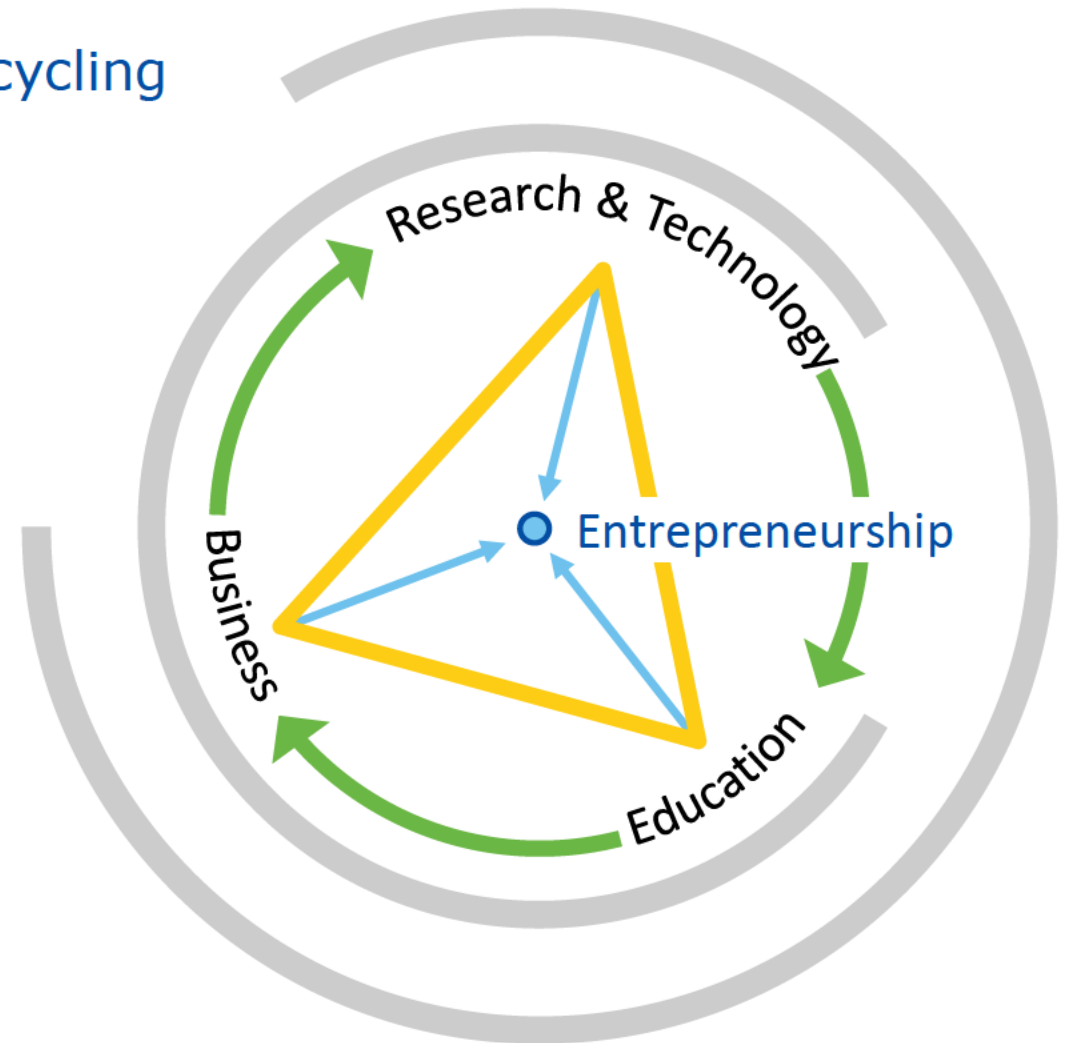
EU Raw Materials Initiative

1. Fair and sustainable supply of raw materials from global markets
2. Fostering sustainable supply within the EU
3. Boosting resource efficiency and promoting recycling

European Institute of Innovation and Technology - EIT

EIT brings together the three sides of the “knowledge triangle”: business, education and research

EIT strengthens innovation in Europe by supporting new talent and new ideas through *Knowledge and Innovation Communities (KICs)*



EIT RawMaterials

Vision and Mission:

To develop raw materials into a major strength for Europe

To boost competitiveness, growth and attractiveness of the European raw materials sector via innovation and entrepreneurship

- Securing raw materials supply
- Designing solutions
- Closing material loops



Student to Entrepreneur



Idea to Product



Lab to Customer

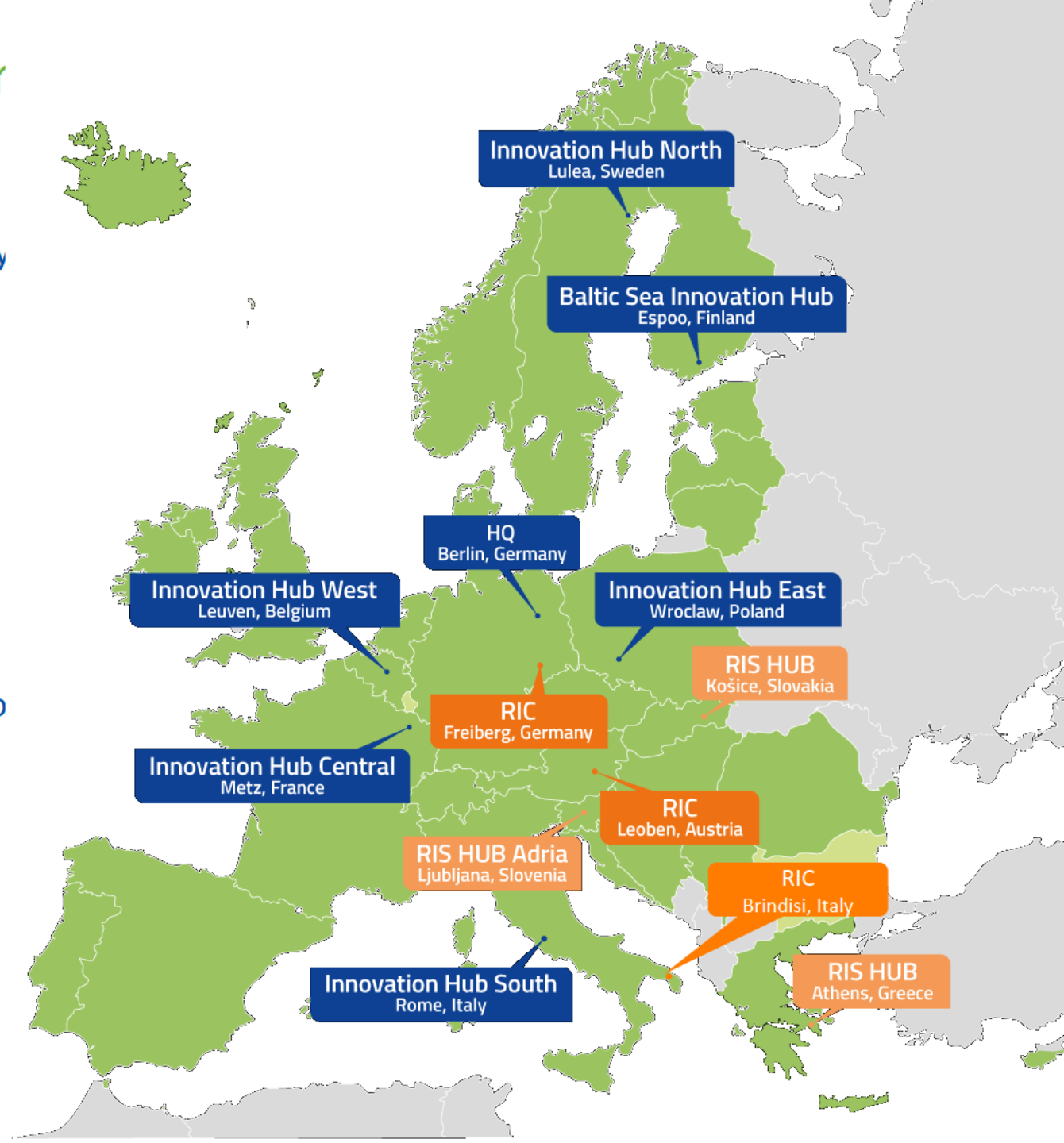
The raw materials value chain and EIT RawMaterials Themes



EIT RawMaterials - a pan-European par

- Not a University, not a Research organization
- Largest global raw materials community with each entity registered as a separate company, but all funded by the European Commission (EIT – H2020 Education budget, and 500 M € 2021-2027). Report to EIT
- 130+ Core and Associate partners
- 200+ Project partners
- 23 countries
- 6 Innovation Hubs across Europe
- Three Regional Innovation Hubs and three Regional inno centers (RIS and RIC)
- Headquarters in Berlin, Germany
- 3 Cross-KIC hubs (San Francisco, Tel Aviv, Beijing)

- Countries covered by EIT RawMaterials
- EU countries
- Innovation Hub (Co-Location Center)
- RIC (Regional Innovation Center)
- RIS HUB (Regional Innovation Scheme) Hub



Education



249

PhD and Master students enrolled



40+

Nationalities represented



102

Partners engaged



177

Alumni association members



8 MOOCs

Developed by EIT RawMaterials Academy & partners

Master and PhD

7

EIT Labelled
Master and PhD programmes



249

Students

RM@Schools & JA

35+

Events

20

Countries

3500+

School pupils participated

University Days

8

Events

Zagreb, Padova, Milan, Tallinn,
Wroclaw, Leuven, Madrid, Lund

3000+

Number of participants

Business Creation



108

Early start-ups supported

€ 77 M

External investment
raised



19

Product services
launched



506

Applications received

Partners

Industry



Partners

Universities



Partners

Research and Technology Organisations



Lighthouses

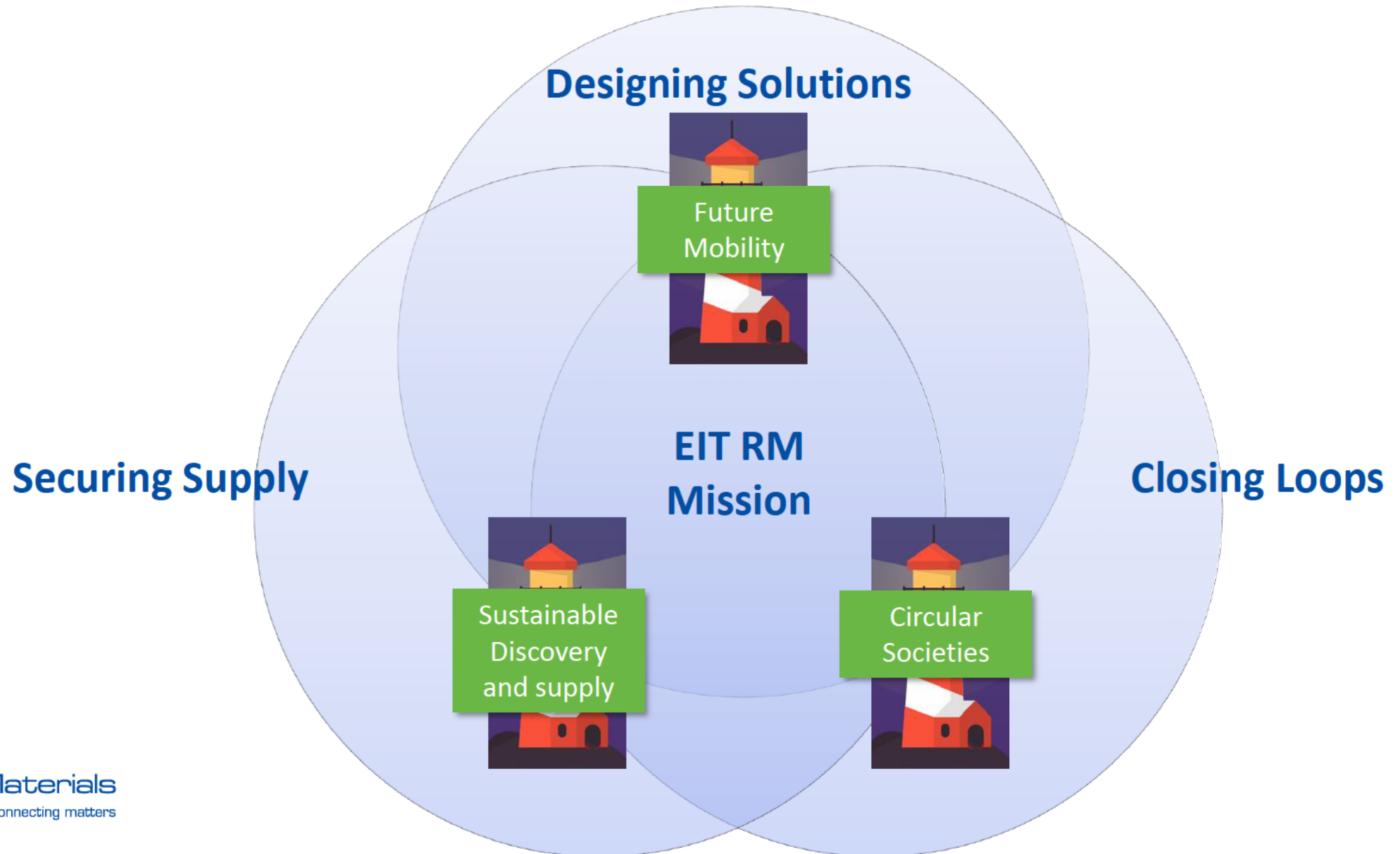


large-scale and long-term
coordinated innovation initiatives
that address critical raw materials
challenges for Europe

coordinated actions to secure raw
materials supply, close material
loops and design materials solutions

Lighthouses will generate tangible solutions for societal
challenges that have raw materials at their core

Lighthouses and Mission





SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

2 ZERO HUNGER

3 GOOD HEALTH AND WELL-BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

13 CLIMATE ACTION

14 LIFE BELOW WATER

15 LIFE ON LAND

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

SUSTAINABLE DEVELOPMENT GOALS



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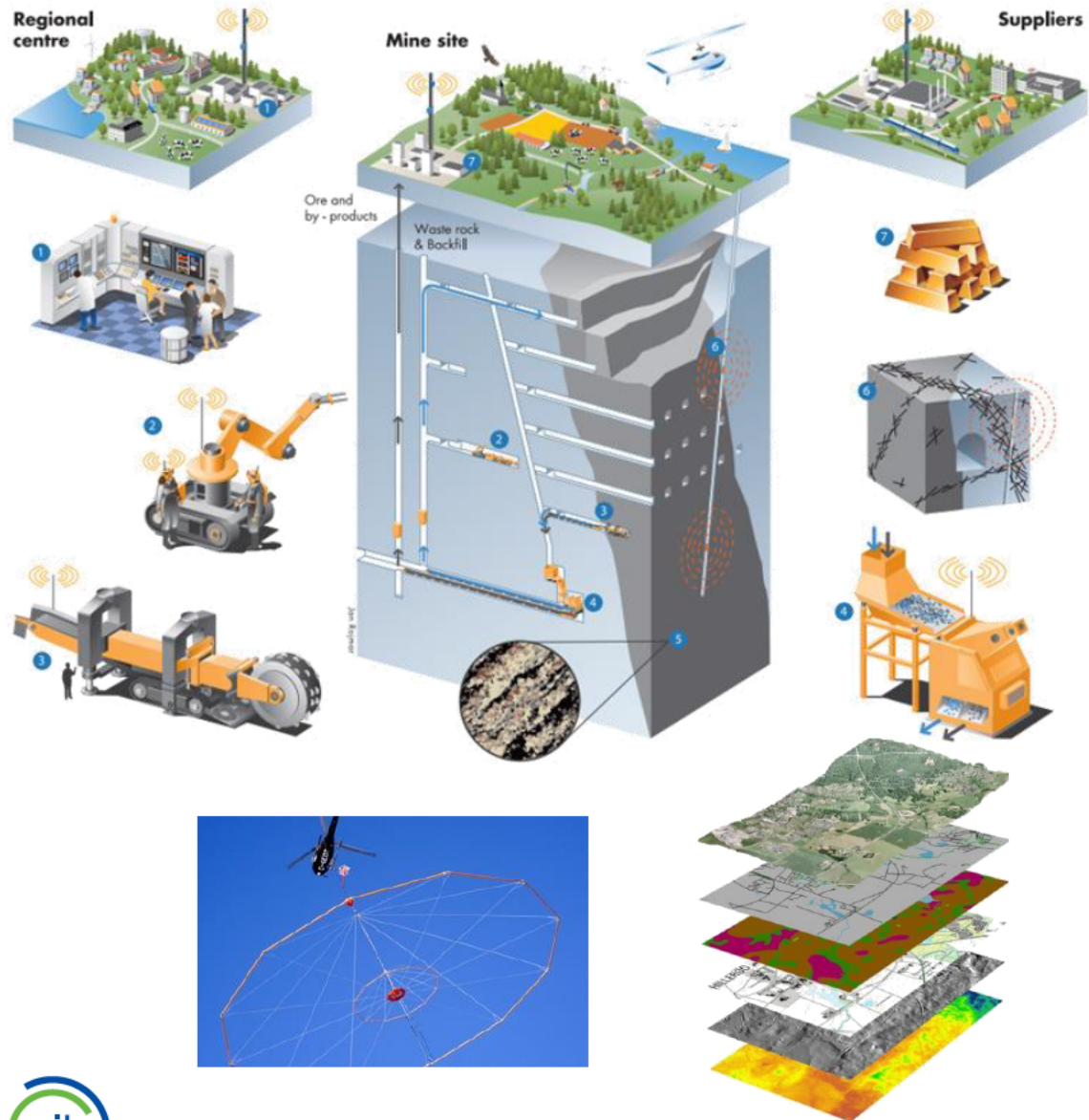


17 PARTNERSHIPS
FOR THE GOALS



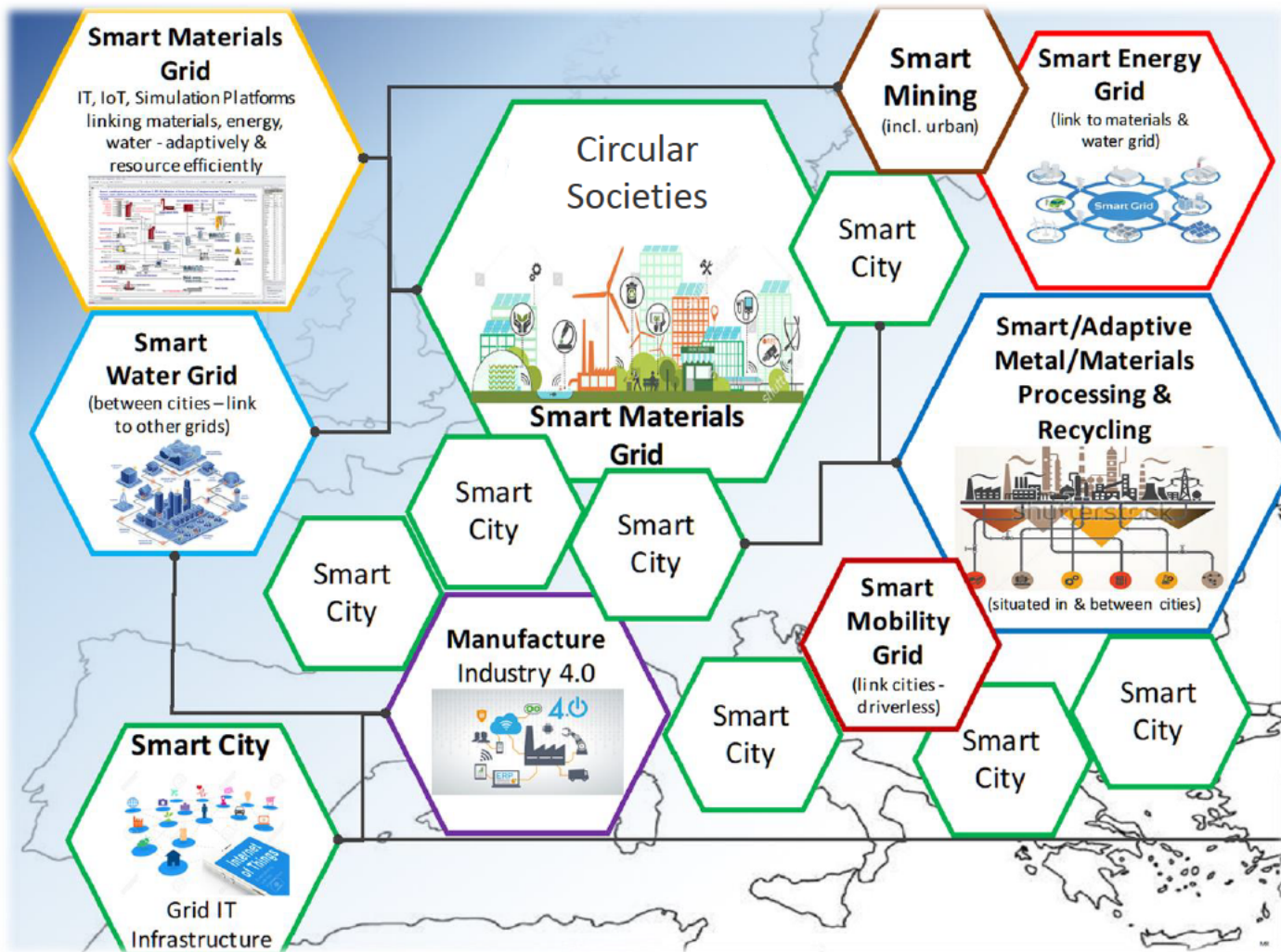
SUSTAINABLE
DEVELOPMENT
GOALS

Lighthouses
coordinated sets of actions
that will put raw materials in
a prominent position in the
sustainability agenda



Sustainable Discovery and Supply

Focus on exploration, mining and processing of primary and secondary raw materials, and on public acceptance



Raw Materials and Circular Societies

Optimize the efficient discovery, characterization, processing and flow of materials across the environment to move towards 'zero waste', a core target of circular economy



Sustainable Materials for Future Mobility

Raw materials and advanced materials for
two key innovation trends in mobility:
electrification and lightweight design



RAW MATERIALS SUMMIT 2019

Connecting Innovation in the Raw Materials Sector

20 - 22 MAY 2019, BERLIN

[#RMSummit2019](https://twitter.com/RMSummit2019)

- **Innovation and new technologies** covering the entire raw materials value chain
- **Future EU innovation** programmes and **impact on the raw materials industry** and sector
- **Start-up and venture forum:** showcase of the start-ups and pitching sessions dedicated to investors
- **Education:** showcasing innovative programmes in Education and the EIT Alumni



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RawMaterials

Connecting matters

THANK YOU!



RawMaterials is supported by the EIT,
a body of the European Union