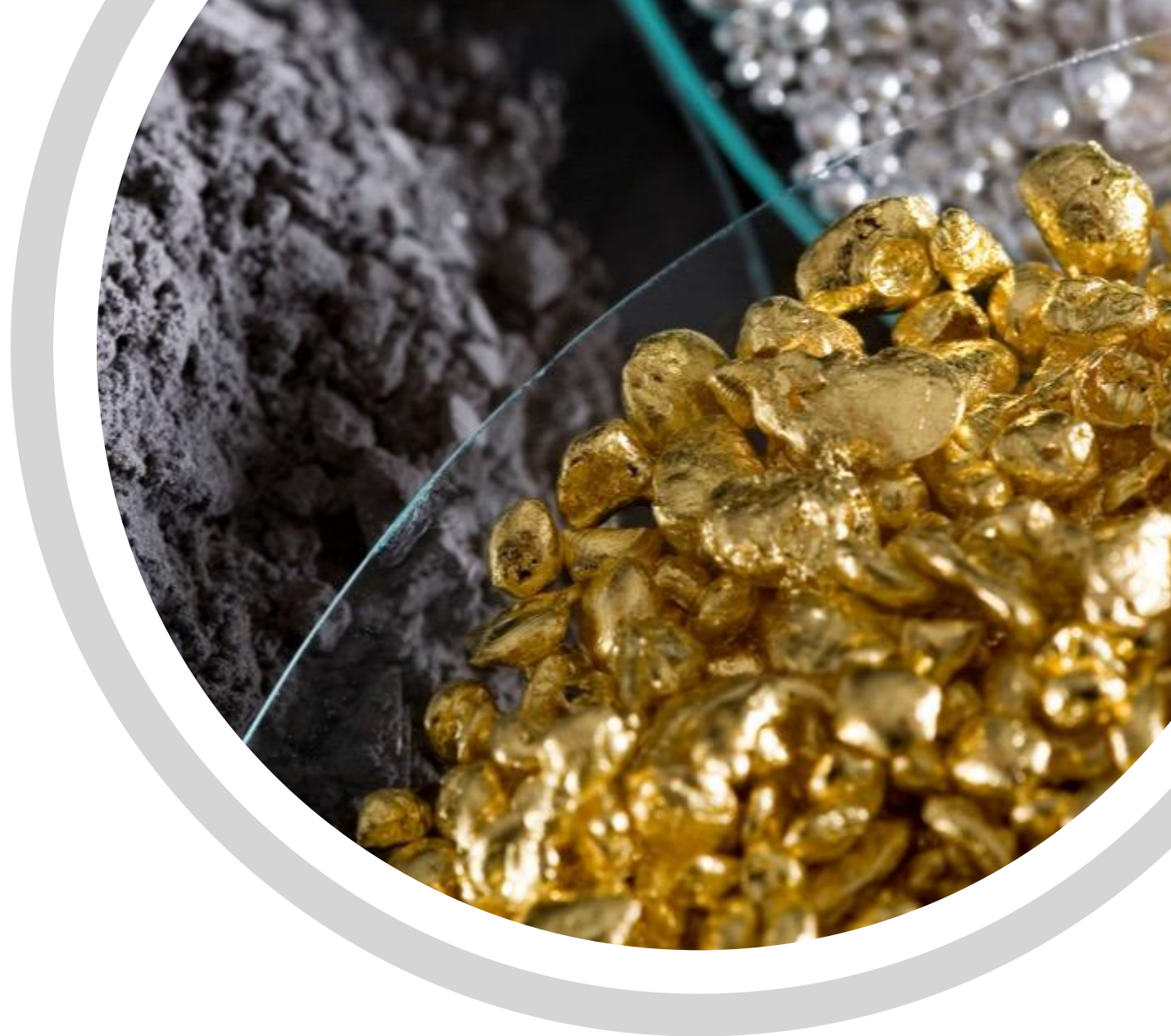
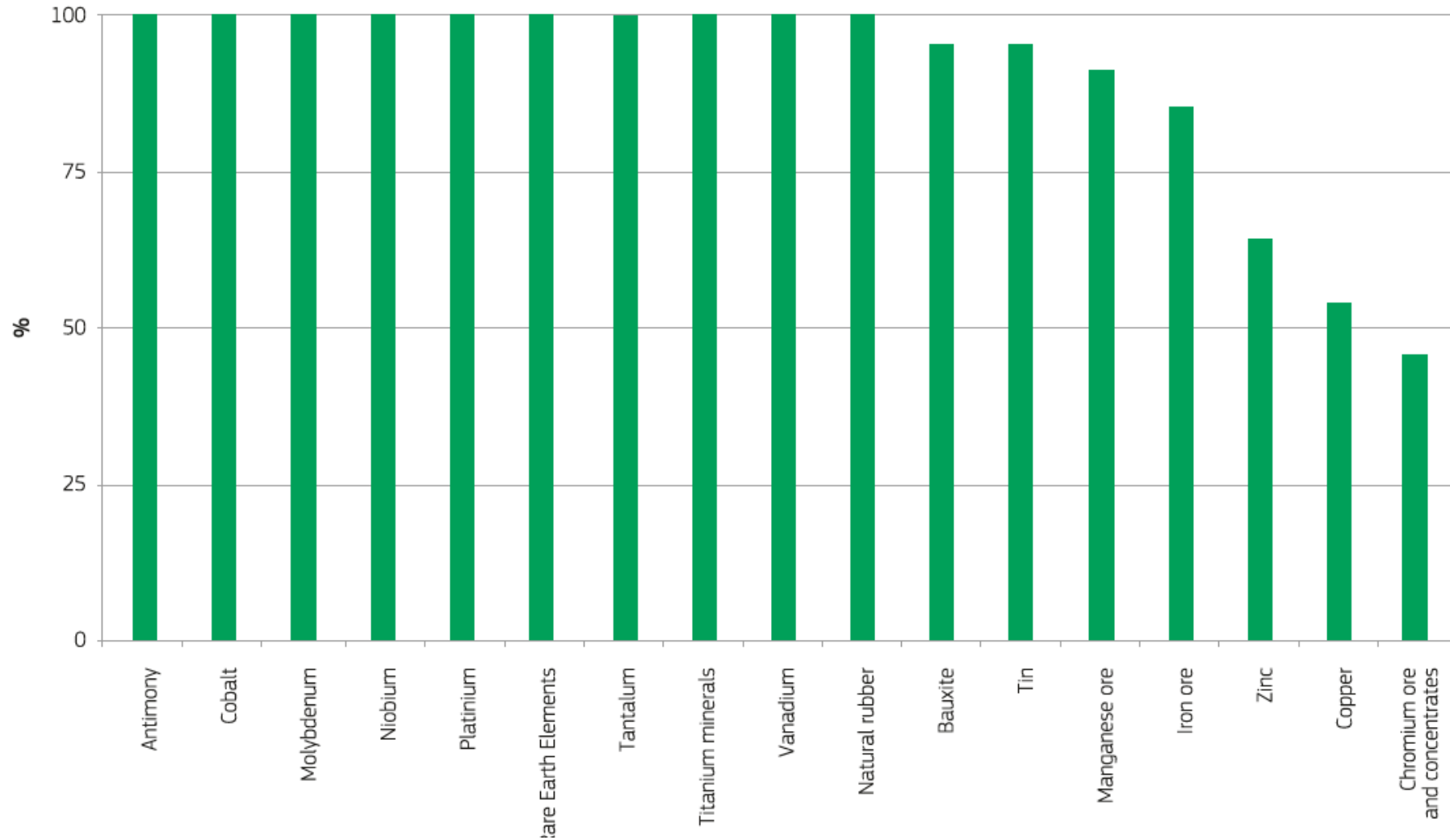


EIT Raw Materials

Pier Luigi Franceschini,
Director Innovation Hub South



Import dependence for selected raw materials



Challenges with raw materials

~ 1 g of rare earths in smartphone

=> 52 g of mineral

~ 7 billion smartphones

**52g X 7 000 000 000 = 360 000 t of
minerals ~ 36 Eiffel towers**



What is EIT RawMaterials?

- A company formed by > 120 European partners
- Financially supported by the European Union
- Aims to support innovation in the raw materials value chain through financial support and network activities
- Focus is the whole raw material value chain
- Focus on innovation and entrepreneurial education



TRL 5:

Technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6:

Technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7:

System prototype demonstration in operational environment

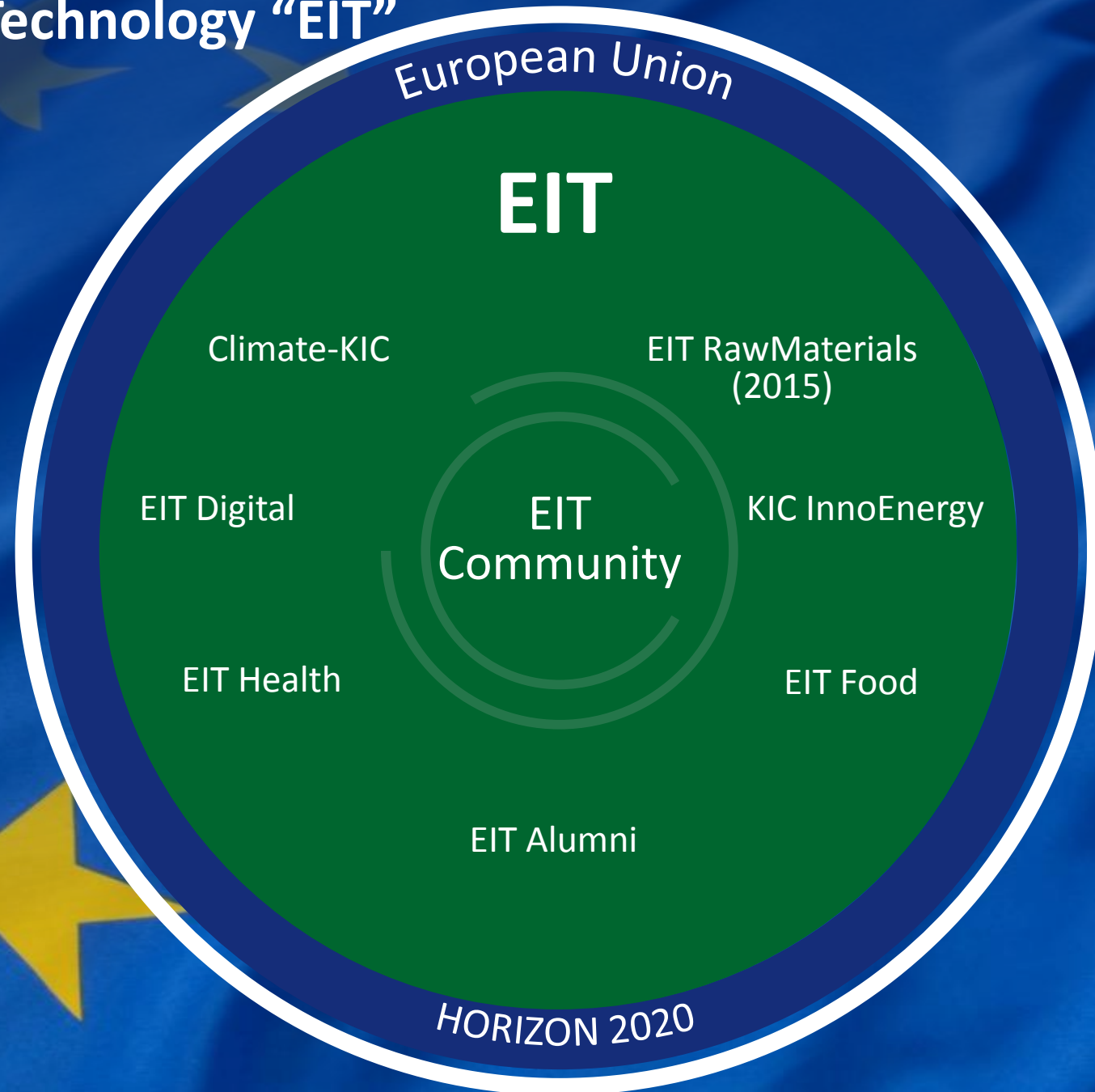
European Institute of Innovation & Technology “EIT”

- **competitiveness** of Europe
- economic **growth**
- **job** creation
- strengthening **cooperation**; businesses - education institutions - research organisations

...enabling **world-class innovation** and entrepreneurship to thrive in Europe!

HOW?

Knowledge Innovation Communities - “KIC”



Partners of EIT RawMaterials

Industries



Partners of EIT RawMaterials

Research Centres

ASTER



Italian National Agency for New Technologies,
Energy and Sustainable Economic Development

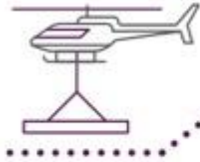


Partners of EIT RawMaterials

Universities

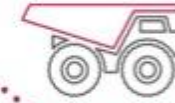


EIT RawMaterials Knowledge and Innovation Themes



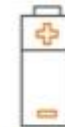
EXPLORATION AND RAW MATERIALS RESOURCE ASSESSMENT

MINING IN CHALLENGING ENVIRONMENTS



INCREASED RESOURCE EFFICIENCY IN MINERAL AND METALLURGICAL PROCESSES

RECYCLING AND MATERIALS CHAIN OPTIMISATION OF END-OF-LIFE PRODUCTS



SUBSTITUTION OF CRITICAL AND TOXIC MATERIALS IN PRODUCTS AND SUBSTITUTIONS FOR OPTIMISED PERFORMANCE

DESIGN OF PRODUCTS AND SERVICES FOR THE CIRCULAR ECONOMY

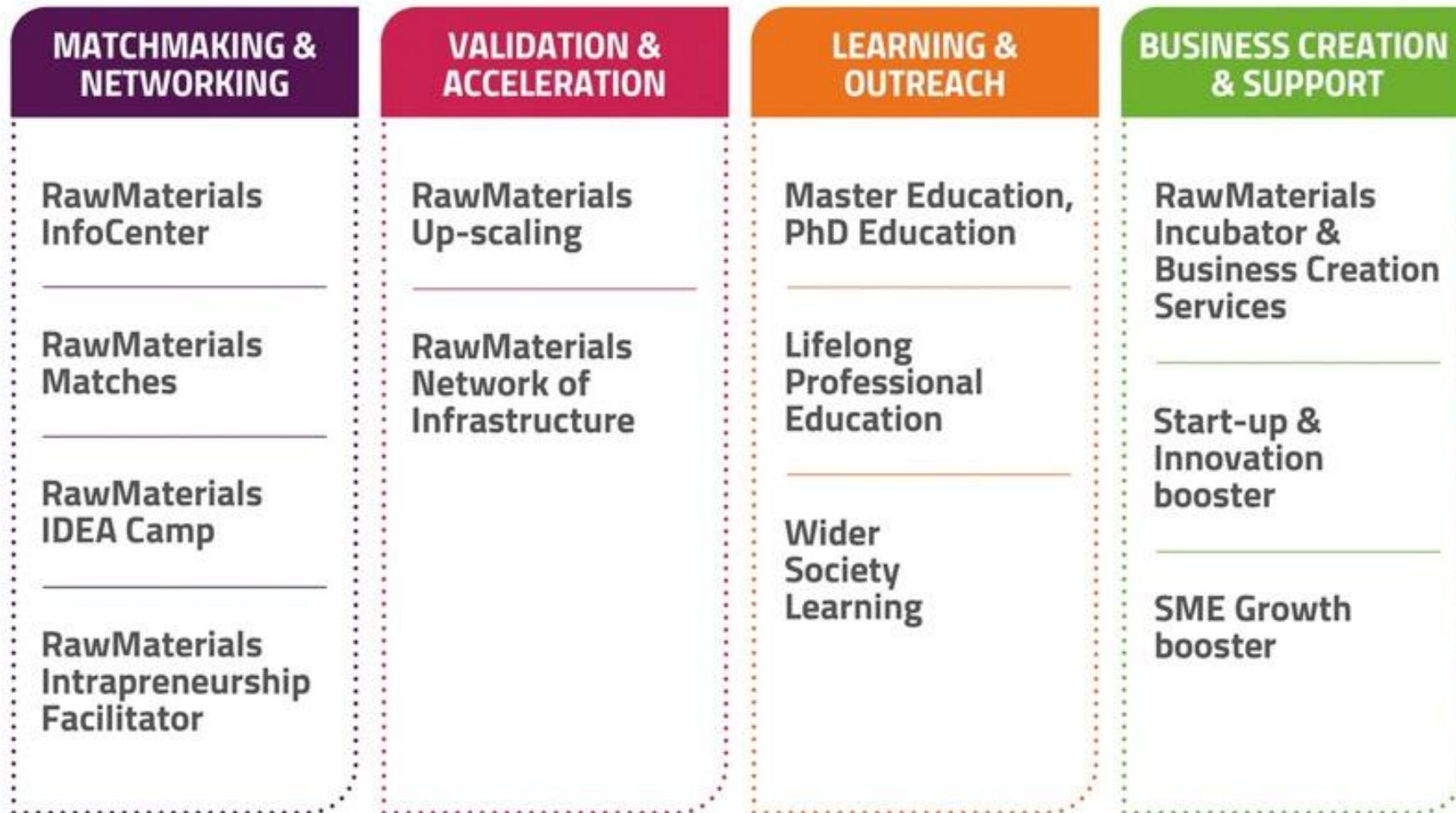


RAW MATERIALS VALUE CHAIN

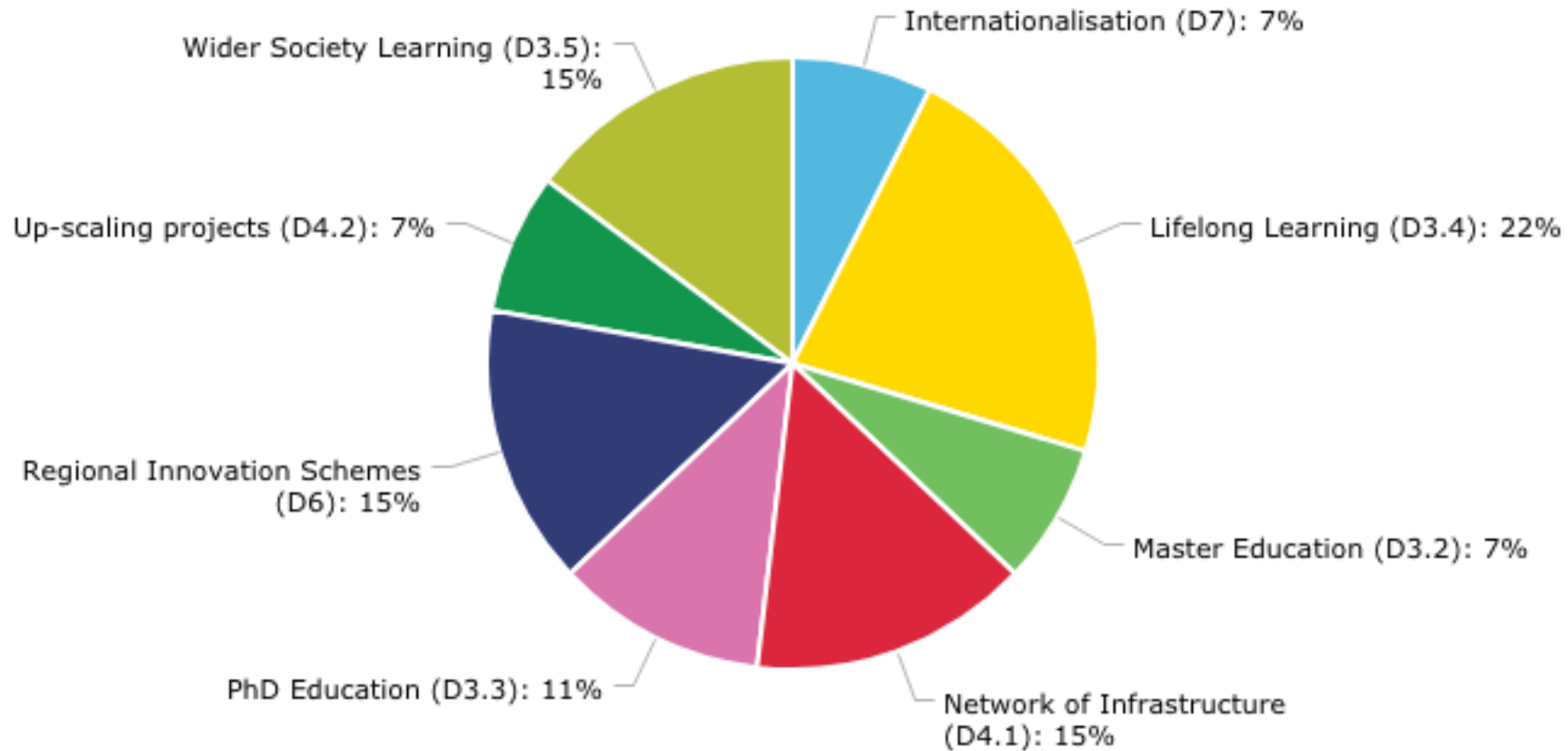
SUBSTITUTION OF CRITICAL TOXIC, AND LOW PERFORMANCE MATERIALS



EIT RawMaterials - Innovation, Education and Entrepreneurship Activities



Circular Economy Portfolio 2018 – 27 projects

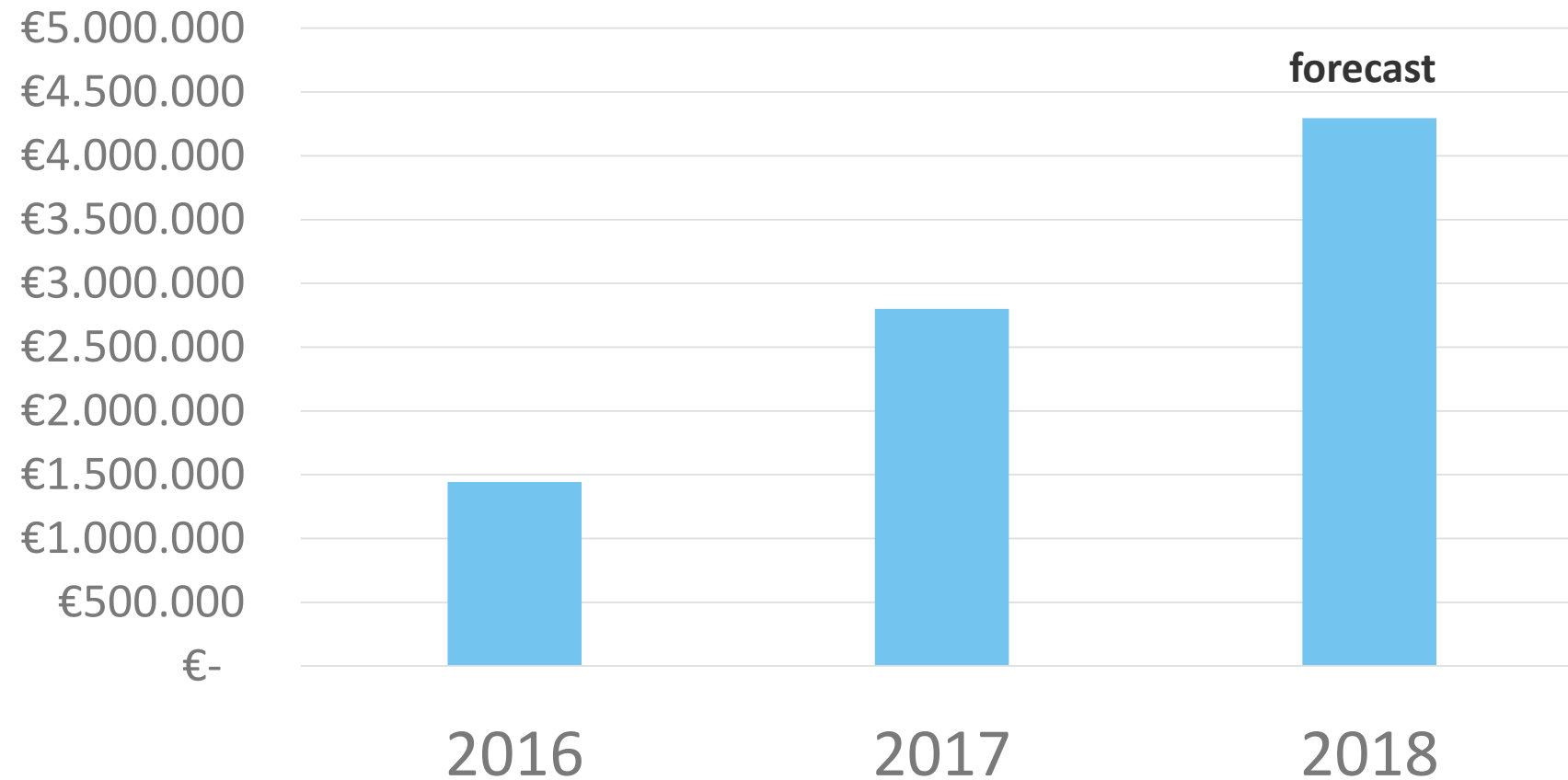


EIT RawMaterials: partnership in Italy



Funding for Italian partners

Funding Evolution vs time



EIT RawMaterials

Bridging business, research and education.



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Contact: pierluigi.franceschini@eitrawmaterials.eu

