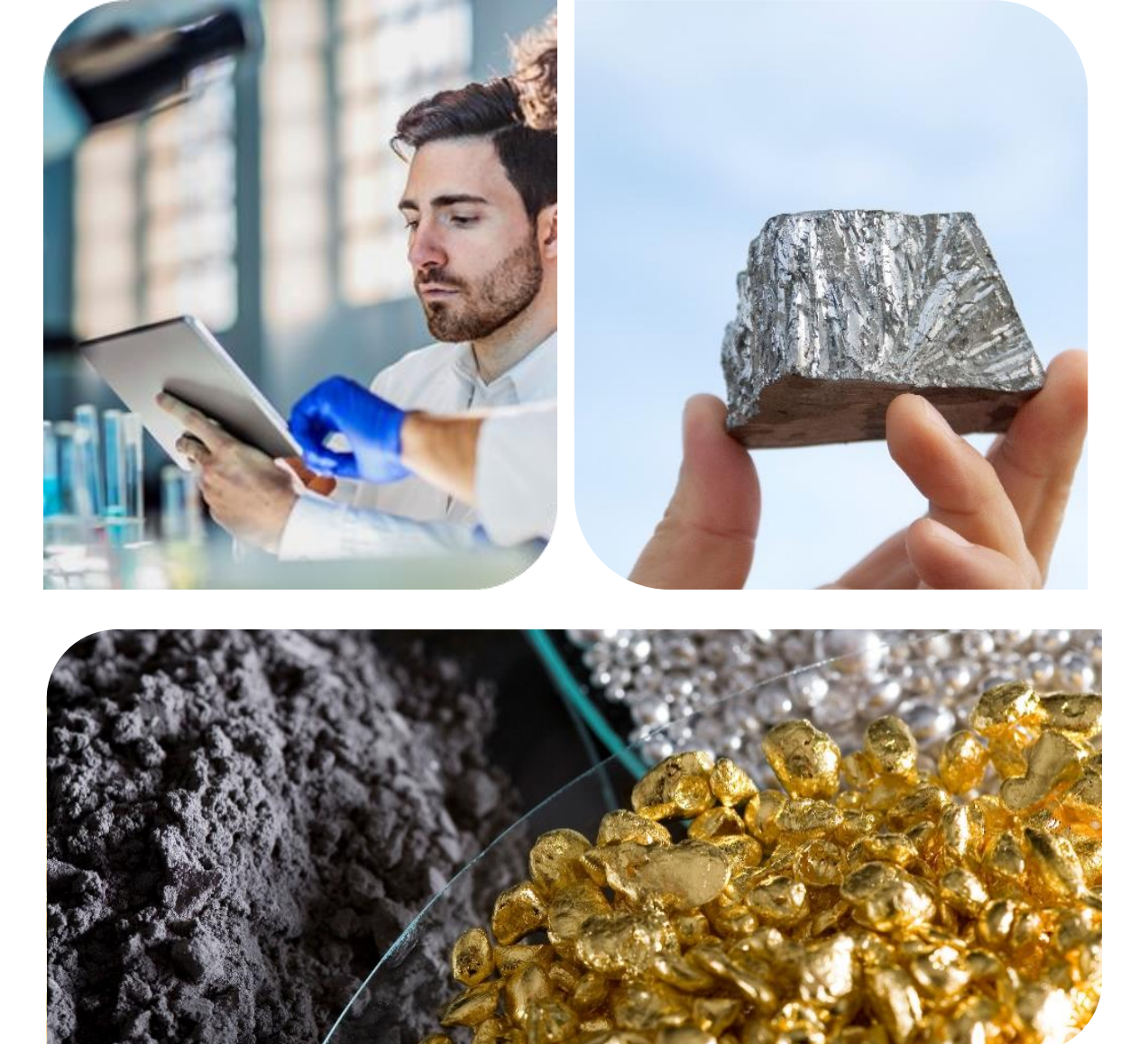# eit RawMaterials
Connecting matters

Networks of infrastructure ZeroWaste Cluster

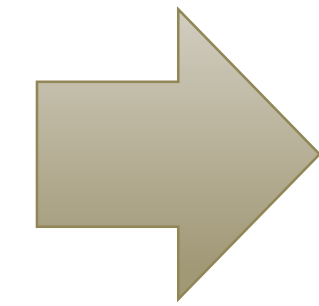## EIT Raw Materials, a Knowledge and Innovation Community (KIC)

- Europe's biggest **innovation** program on raw materials ever.
- Brings together **> 100 partners** from industry, research and academia
- Bridges the gap between public and market funding
- Goal: create a **cost-efficient, secure and sustainable supply of raw materials** for Europe. Making raw materials a major strength for Europe.

More information: **www.eitrawmaterials.eu**

Challenge

Innovation in raw materials
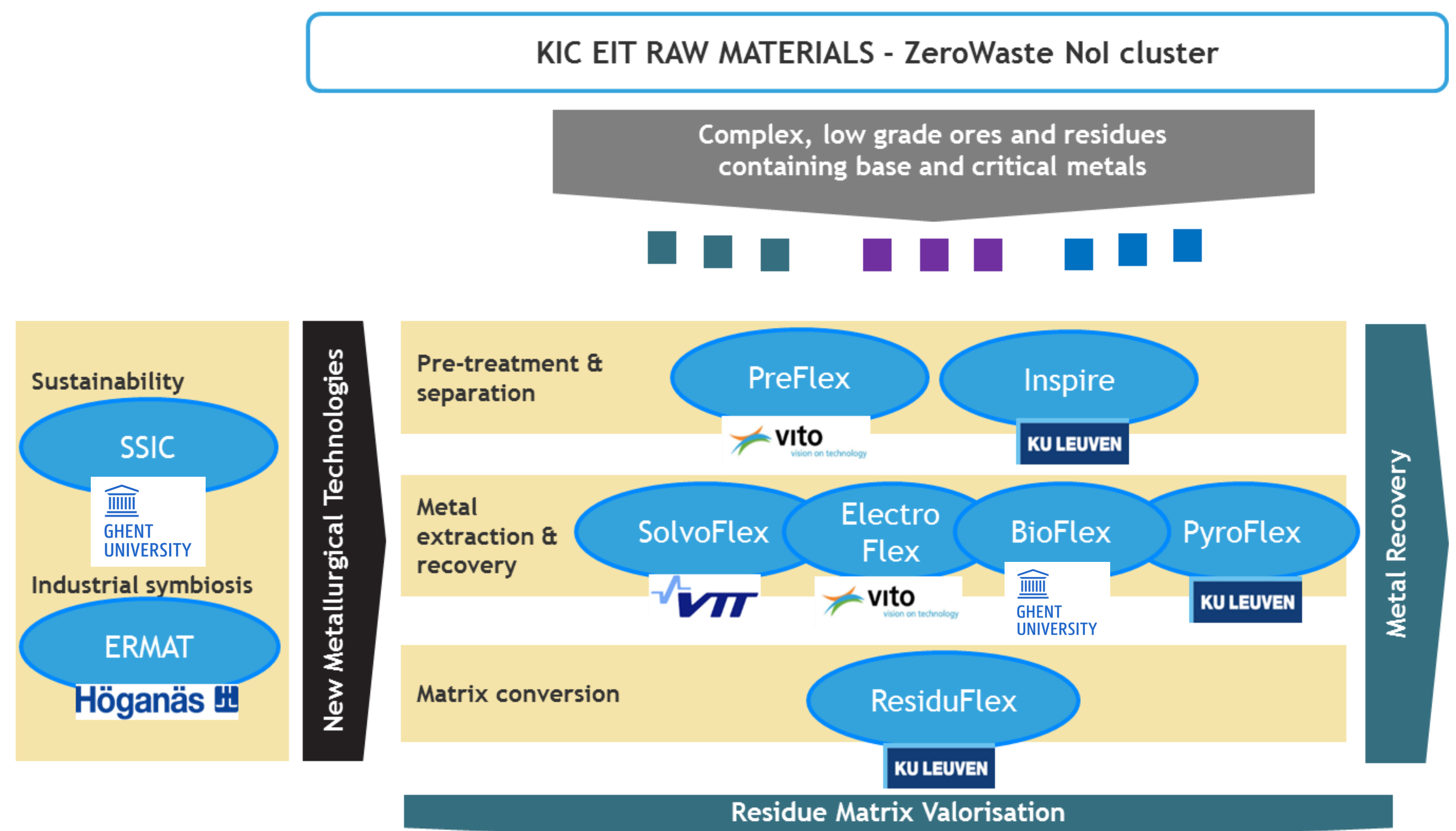is dependent on big and capital-intensive infrastructure

EIT Raw Materials solution: **Networks of Infrastructure** (NoI)

- **Virtual pool of state-of-the-art infrastructure** within a certain domain of the raw materials value chain

- Bring EIT Raw Materials partners together with proven excellence in the domain

- Aim at promoting **services** for internal and external customers

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ZeroWaste NoI cluster

- Aims at providing services for unit processes in the **ZeroWaste metallurgical toolbox**

- Infrastructure and expertise for treatment of metal containing complex, low grade ores and residues

KIC EIT RAW MATERIALS - ZeroWaste NoI cluster

Complex, low grade ores and residues containing base and critical metals

Sustainability — SSIC — GHENT UNIVERSITY
Industrial symbiosis — ERMAT — Höganäs

New Metallurgical Technologies

Pre-treatment & separation — PreFlex — Inspire — vito — KU LEUVEN
Metal extraction & recovery — SolvoFlex — ElectroFlex — BioFlex — PyroFlex — VTT — vito — GHENT UNIVERSITY — KU LEUVEN
Matrix conversion — ResiduFlex — KU LEUVEN

Metal Recovery

Residue Matrix Valorisation

ZeroWaste metallurgical toolbox

- **Integrated solutions** (combining solvo-, electro-, bio- and pyrometallurgy with pretreatment and matrix valorisation) for metal recovery and matrix conversion of complex low grade ores and wastes

- Enables the design of tailored, cost-effective and environmentally-friendly **flow sheets**

- Is the basis for a series of European and regional **innovation programs**:

  - METGrow+ ✓ H2020-project **METGROW+** (www.metgrowplus.eu)
  - SIM ✓ Flemish innovation program **SIM-MaRes** (www.sim-flanders.be/research-program/mares)
  - SOCRATES ✓ MSCA International Training Network **SOCRATES** (www.etn-socrates.eu)

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