

WMF26



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Co-funded by the
European Union



EIT RawMaterials

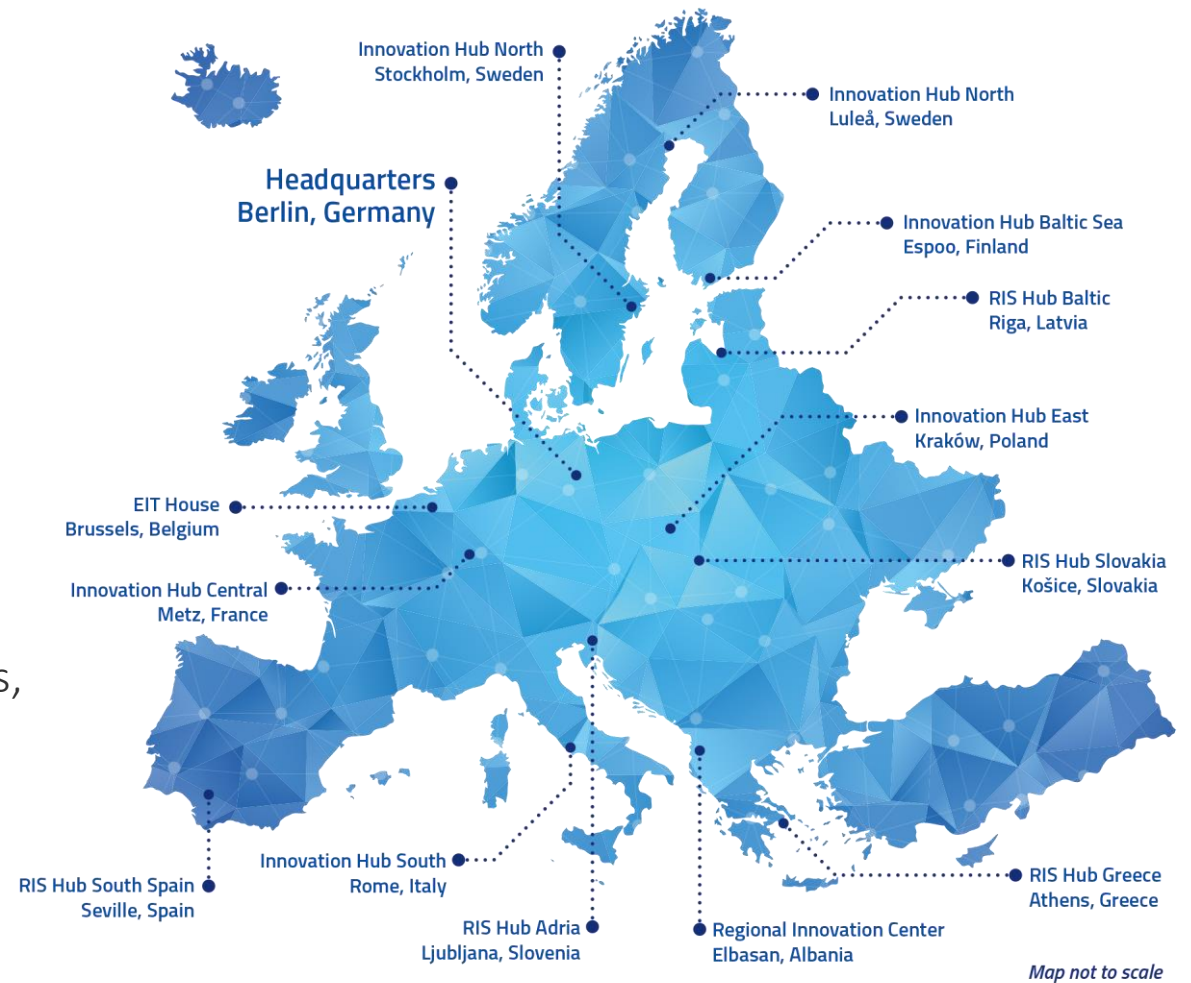
Europe's flagship PPP KIC for raw materials
advancing raw materials sustainability, resilience
and strategic autonomy

End-to-end impact: de-risking technologies, building startups,
scaling skills, advising policy

Full ecosystem: 300+ partners, 800 ERMA members across
industry, academia, government

Financial sustainability: Diversified revenues (start-ups, services,
fees, alternative funding), top performer on FSTP* efficiency

Recognised leadership: ERMA, CRM Facility, HEI, Raw &
Advanced Materials Academies



* FSTP: Financial Support to Third Parties, meaning KIC partners involved in projects.

Successes | 2015-2025

INVESTMENTS

>€750mn

DIRECT INVESTMENTS 2025*

>€13bn

INDIRECT INVESTMENT
ATTRACTED **

>€300mn

NEW DIRECT INVESTMENT
BP 2026-28

KPIs

330+

NEW PRODUCTS TO MARKET

800+

START-UPS SUPPORTED

70+

NEW SPIN-OFFS

PORTFOLIO

>€26bn

STRATEGIC INVESTMENT
PIPELINE

40+

START-UP EQUITY
INVESTMENTS

100,000+

STUDENTS AND PROFESSIONALS
TRAINED

IMPACT

up to 100%

DEMAND COVERAGE
OF SELECTED CRMs

1,400+

PROTOTYPES, PILOTS
AND DEMOS

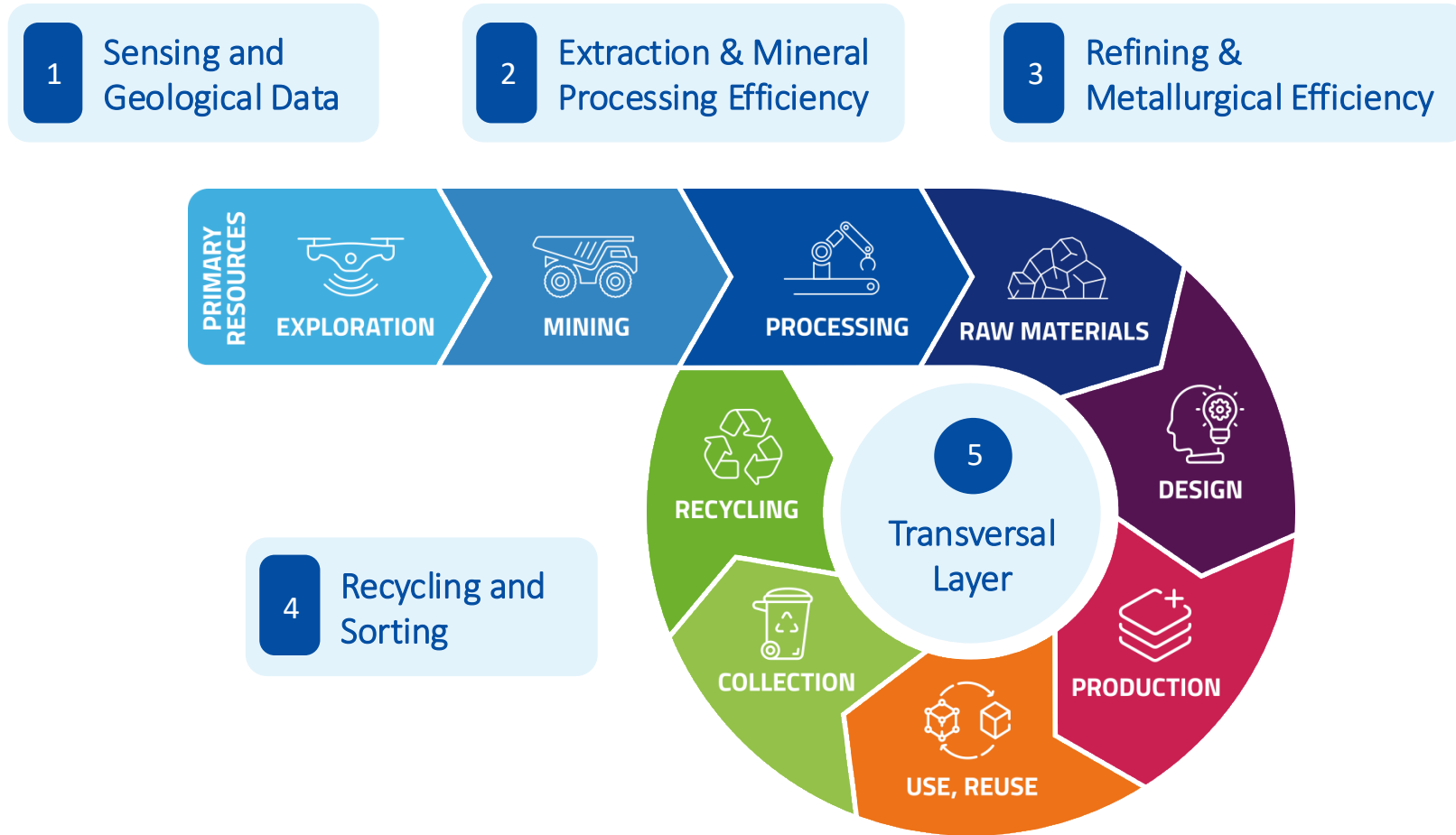
10,000+

JOBS CREATED

* Including EIT funding and Co-funding 2015-to end-2025.

** Including investments into start-ups and ERMA cases 2015-to end-2025.

AI to unlock the crucial segments of the raw materials value chain



A Dual Objective: Internal Efficiency and Customer Value

OPERATIONAL EFFICIENCY · GEOPHYSICS & GEOLOGY TEAMS

Airborne levelling	-90% time	1 month -> 3 days
Cultural noise removal	-97% time	1 month -> 1 day
Lineaments detection	-90% time	80% auto-detected
Magnetic compensation	Automated	signal correction per survey
Landcover classification	-96% time	5 days -> 2 hours

3-4 year AI journey built on the two complementary axes: operational efficiency for geophysics and geology teams, and direct value creation for clients



Xcalibur SMART MAPPING

CUSTOMER VALUE CREATION

The same AI capabilities are packaged into client-facing intelligence products, delivered through the XENAI platform.

- New data products: 0.3m super-resolution mapping from open data
- Economic prospectivity estimation supporting investment decisions
- Greenmetals: decision-support for sustainable mineral development

See next: XENAI & Greenmetals ->

XENAI: The AI Data Platform Built for Clients

Launched April 2026, XENAI turns Xcalibur's applied-AI capabilities into direct intelligence products for clients

CLIENT-FACING SOLUTIONS

Artisanal Mining Monitoring

Satellite monitoring and ML track ASM activity, detect illegal extraction, and support responsible resource governance

Critical Raw Materials Traceability

Blockchain, geochemical fingerprinting and satellite monitoring ensure transparency across the minerals supply chain

Feasibility & Economic Valuation

Spatial modelling and ML accelerate mineral feasibility mapping and economic economic viability analysis

Water & Groundwater Intelligence

AEM-driven modelling identifies aquifer systems and de-risks water exploration and development

SPOTLIGHT

Greenmetals Project

GREENMETALS MAPPING is a European consortium led by Xcalibur Smart Mapping together with CERENA (University of Lisbon), IGME-CSIC (Spain) and ISPRA (Italy), approved and funded by EIT RawMaterials. It strengthens decision-making on the social, environmental and economic impact of mineral deposits across Southern Europe, supporting the implementation of the Critical Raw Materials Act, the AI Act, and national mining plans over the next 20-30 months.

CERENA

University of Lisbon (academia)

IGME-CSIC

Spain (geological survey)

ISPRA

Italy (geological survey)

CRMA & AI Act

Policy alignment



Metalshub

Metalshub is the leading digital platform for physical raw material trading with over 3000 companies trading over 300 products

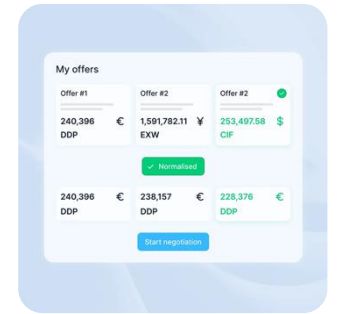
AI is being used in 3 ways:

- Bringing unstructured data (email, voice, etc.) into the platform
- Provide Co-Pilots and AI agents for analytics and trading automation
- Enable connection of companies AI stack through MCP and support their own AI agents

KPIs:

- Accuracy of AI data import and review effort (data quality & efficiency)
- Share of platform activities conducted via AI
- Raw material specific savings/premium of AI supported negotiation vs manual strategy

metals**hub**



Data Intelligence Layer for Critical Raw Materials

The Business

Digital Product Passport (DPP) Platform

Attaches encrypted digital data and documents to physical material shipments with QR code.

Driving supply chain transparency with a primary focus on:

- Raw materials
- Batteries
- Circular electronics

AI Comes In

Reggie - AI Compliance

Our proprietary regulatory AI trained on 250+ regulatory sources.

- Identifies exact regulations affecting specific products
- Generates reports and forms needed for global shipping
- Adds them digitally to the DPP

KPIs

Targeted Impact

We measure our success through concrete operational performance.

PRIMARY KPI:

1. Number of clients helped by our system
2. Time Saved by Regulatory teams.



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World's Leading Raw Materials Knowledge and Innovation Community

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