EIS Final Event:

Shaping the Future of Sustainable Mineral Exploration

EIS
Exploration Information System

Funded by the European Union

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13:30 – 14:30 Panel

Industry

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Panel: Industry

15:00 – 16:00

Moderator
Percy Clark
(Quest Critical Metals)

Iana Bacquet
(Talga Group)

Thomas Dittrich
(Zinnwald Lithium)

Luís Martins
(Cluster Portugal Mineral Resources)

Laura Quijano
(ISMC Iberia Mine)

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Iana Bacquet

Talga Group (battery anode and advanced materials company)

Panel: Industry

15:00 – 16:00

Talga Group (ASX:TLG)

Establishing a domestic European supply of lithium-ion battery materials

Talga – the fully integrated battery material & technology company

Talga Mine Sweden

Black Mass Recyclers

Graphite Feedstock

Purification ▶ Shaping ▶ Coating ▶ Talnode®

Talga Anode Production Technology

▶ Battery Cell Manufacturer

See: ASX:TLG 1 July 2021, 28 March 2024, 27 February 2025, 13 August 2025..

Europe's largest & highest grade natural graphite resource

- JORC Mineral Resources of 35 million tonnes to date in Vittangi
- 100% anode-size graphite, proven in customer lithium-ion batteries
- Deposits remain 'open' with vast expansion options for long term global EV demand
- Planned initial production of 19,500tpa for >20 years from ore reserve of 2.3Mt at 24.1%Cg
- Option study maps path to ~425,000tpa anode concentrate

See: ASX:TLG 6 October 2023.

talga

Talga's Exploration Projects

Graphite deposits

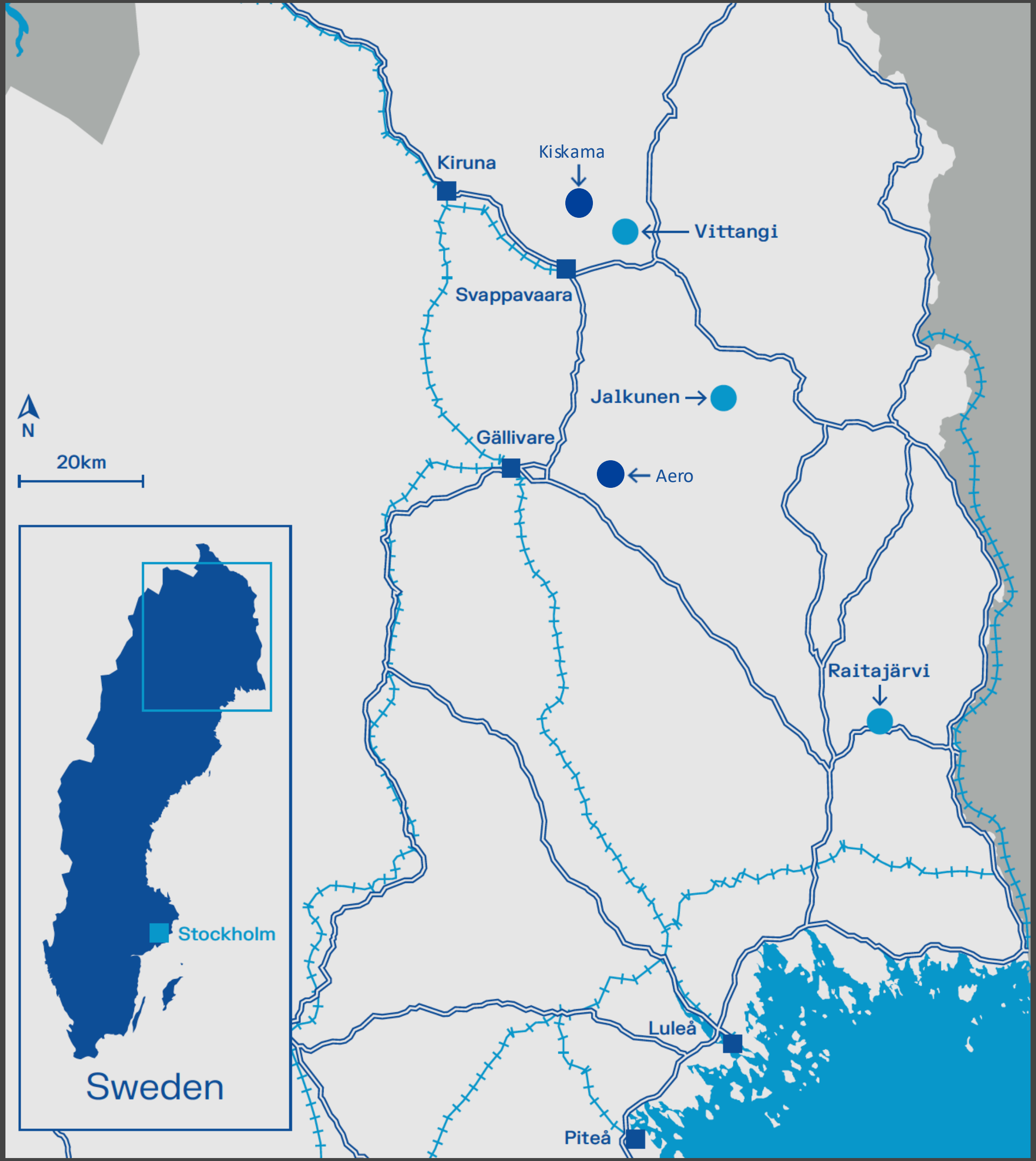
- Vittangi
- Jalkunen
- Raitajärvi

IOCG deposit

- Kiskama

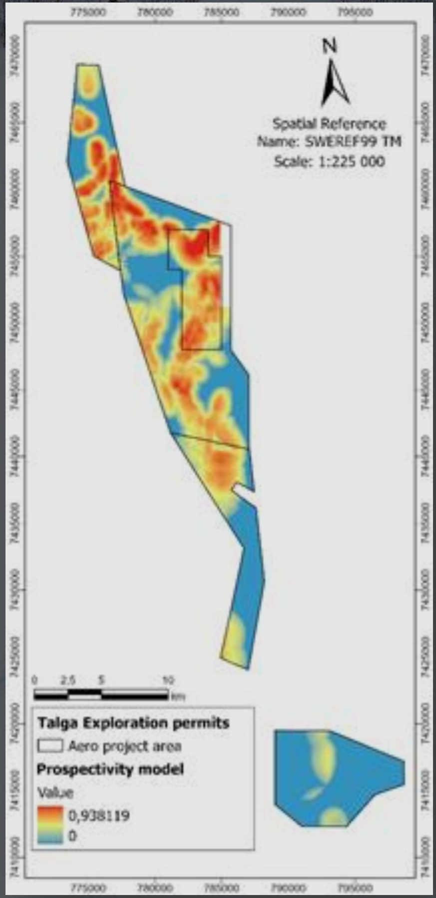
Lithium-pegmatite prospect

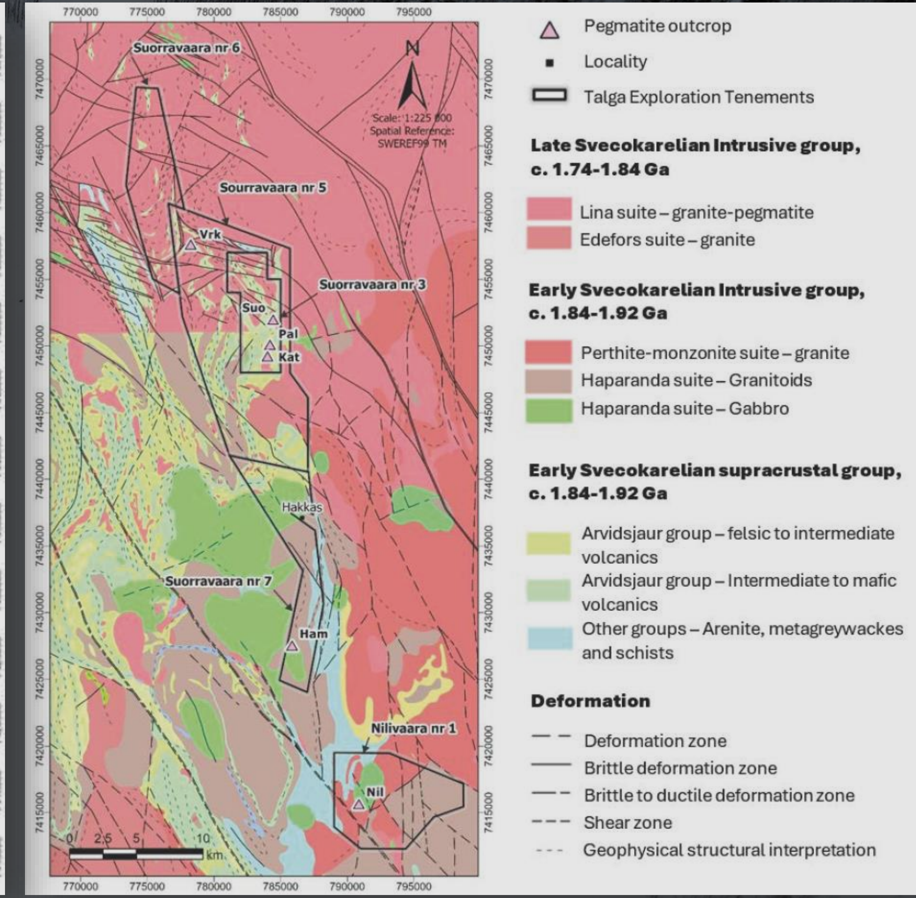
- Aero



The Aero Lithium-pegmatite project

- Northernmost documented LCT-pegmatite locality in Sweden
- Returning up to 1.95%Li_2O rock chips samples
- Joint-venture partnership with SQM (2024)
- Test case-study for the EIS-project





See: ASX:TLG. 13 October 2023, 21 June 2024 www.talgagroup.com

ASX:TLG

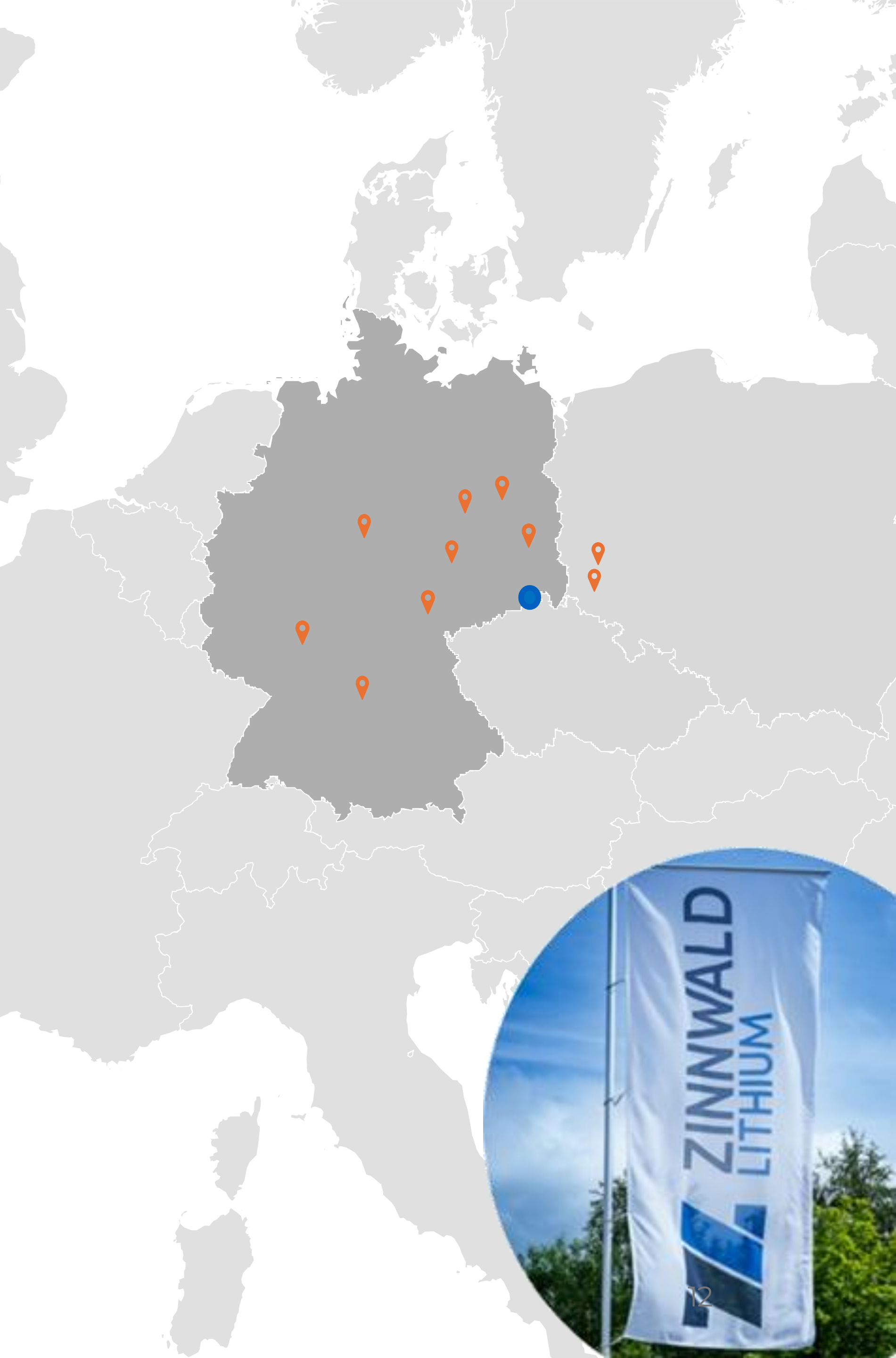
Thomas Dittrich

Zinnwald Lithium (Exploration Company)

Panel: Industry

15:00 – 16:00

ZINNWALD
LITHIUM



Advancing one of Europe's largest integrated lithium hydroxide projects

Secure. Sustainable. Scalable.

EIS Final Event, Brussels, 07.10.2025

AIM: ZNWD

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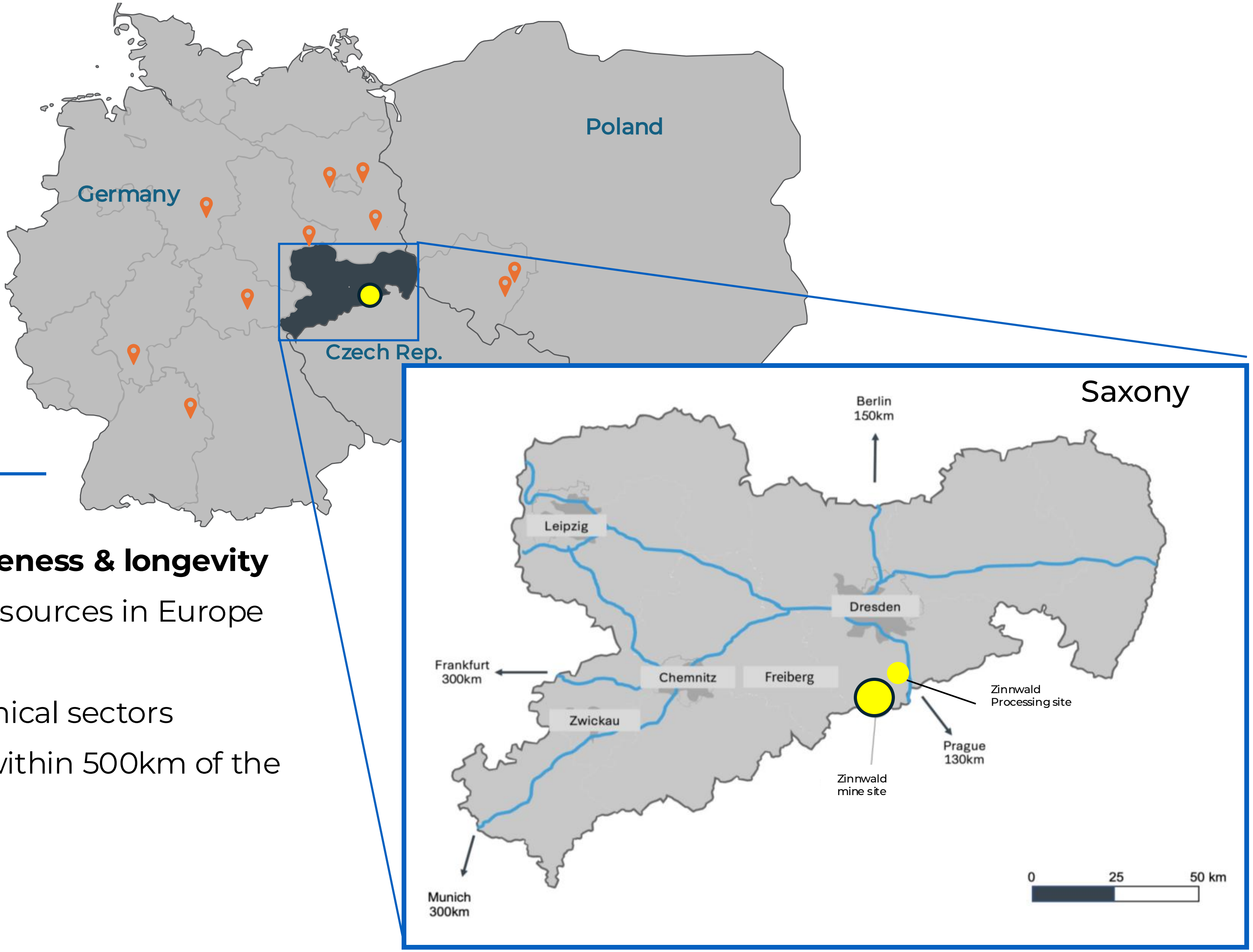
Strategic Location

100% owned integrated operation planned to produce battery grade LiOH



Large deposit guarantees cost-effectiveness & longevity

- One of the largest hard rock lithium resources in Europe

Industrial clustering

- Close to battery, automotive and chemical sectors
- 10 operating/planned gigafactories within 500km of the project

History of mining

- ~500 years of mining history

The Project: A short history

2011-16	2017-19	2020-21	2022-23	2024	2025
SolarWorld acquires two exploration licenses in the Zinnwald area Drilling confirms potential lithium resource and delineate resource PERC Pre-feasibility study	Bacanora acquires 50% interest in the Project Mining Licence received 43-101 MRE published DFS published suggesting small scale 5ktpa operation to produce LiF	Oct'20 - Zinnwald Lithium acquires Bacanora's 50% interest in RTO Jun'21 – Zinnwald Lithium acquires SolarWorld's 50% interest	PEA published suggesting 12ktpa LiOH project AMG becomes strategic shareholder Extensive drill programme	Updated MRE published, establishing the Project as 2nd largest hard rock lithium resource in EU	PFS published indicating potential to produce up to 35,000 tpa of battery grade LiOH and a project mine life of 40+ years.

ZNWD has raised ~€38 million through four successful equity fundraisings

Grown measured & indicated resource by 400%+ in just over four years to establish the Project as **one of the EU's largest** hard rock lithium deposits

Proven potential as a **major, scalable, long-life** source of battery-grade lithium

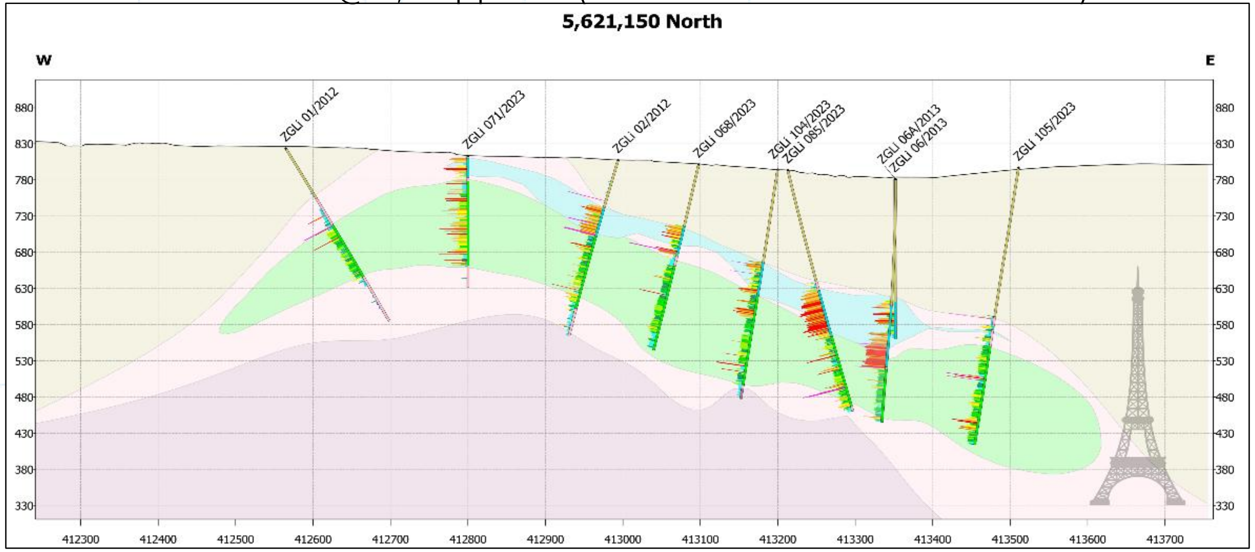
43-101 Mineral Resource and Reserve*:
Large continuous ore body

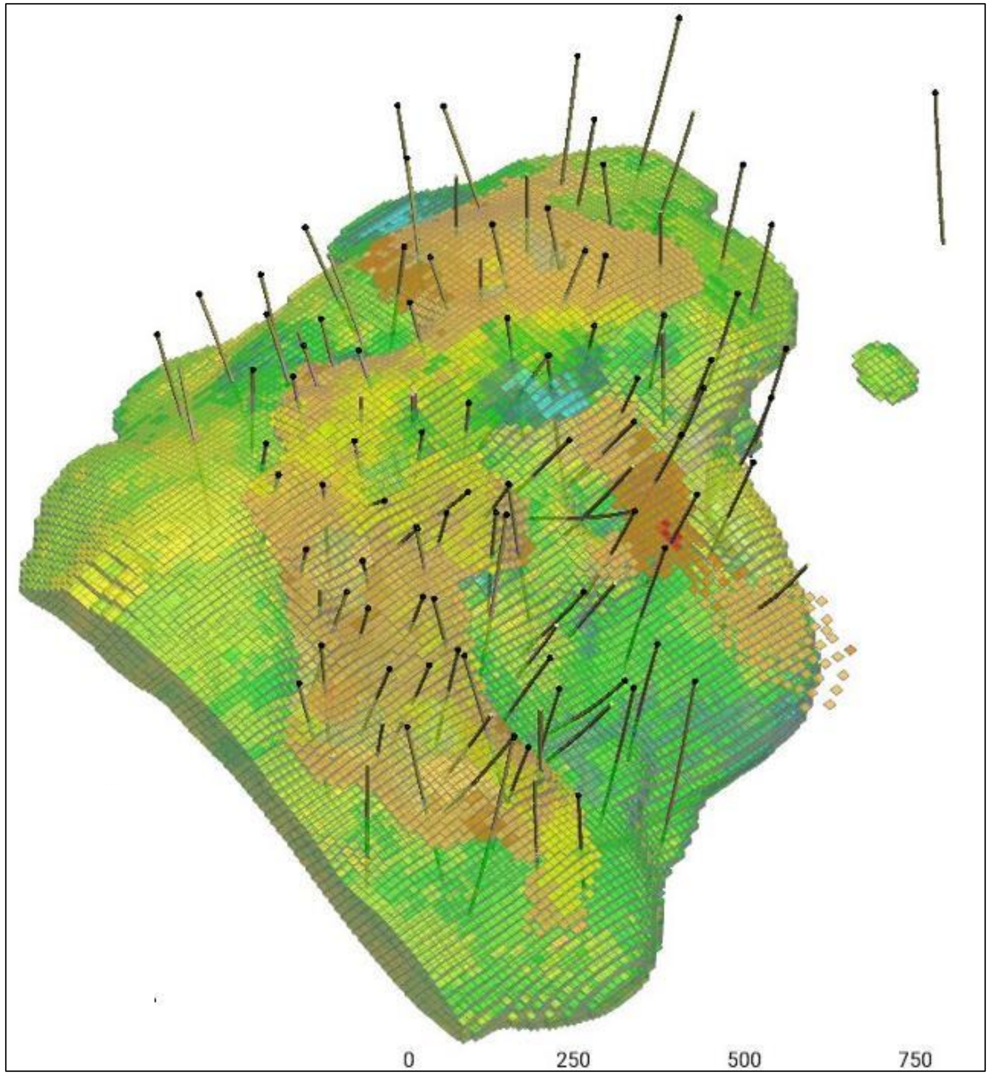
Total Measured & Indicated Resource: 193.5Mt @ 2,220ppm

- Measured - 36.3Mt @ 2,500ppm Li (91kt contained lithium metal)
- Indicated - 157.2Mt @ 2,150ppm Li (337kt contained lithium metal)

Total Proven & Probable Reserve: 128.1 Mt @ 2,056ppm

- Proven - 27.2Mt @ 2,188ppm Li (60kt contained lithium metal)
- Probable - 100.9Mt @ 2,021ppm Li (204kt contained lithium metal)





* Prepared by Snowden Optiro in accordance with NI 43-101

2025 PFS: Multi-stage, large scale, integrated mining & processing project in the heart of Europe

Globally relevant battery-grade LiOH project

- Phase 1: 18,000 tpa
- Phase 2: up to 35,000 tpa

Integrated

- Mining & processing located close together

Long life

- +40 years operational life even with Phase 2 production

Scalable

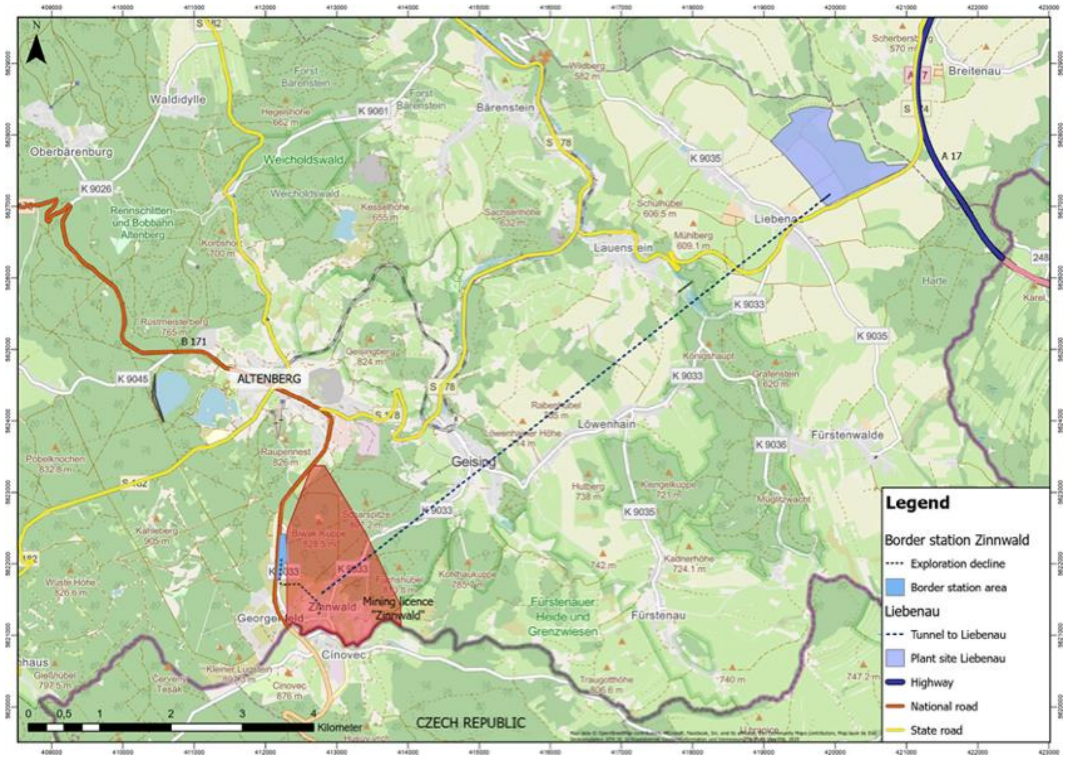
- Multi-phase development potential
- Large resource & exploration land package provide scope for expansion

Description	Unit	Value
Pre-tax NPV (at 8% discount)	EUR M	3,328
Pre-tax IRR	%	23.6%
Post-tax NPV (at 8% discount)	EUR M	2,187
Post-tax IRR	%	19.8%
Simple payback	Years	4.6
Initial construction capex	EUR M	1,048
Average LOM opex (pre by-product credits)	EUR/t LHM	9,505
Average LOM opex (post by-product credits)	EUR/t LHM	8,403
Average LOM revenue	EUR M pa	741
Average annual EBITDA (post byproducts credits)	EUR M pa	484
Annual average LHM production	KTonnes/annum	27
Average LHM price achieved	EUR/t LHM	26,288

Processing Site: Selected to minimise impact

Sustainable, low-impact processing hub with access to infrastructure

- Preferred processing site near the village of Liebenau
  - Not directly visible from the village
  - Sufficient space for Phase 1 & Phase 2 production facilities
  - Space for storage of benign tailings
  - Adjacent to A17 highway simplifying logistics
- Ore transfer via electric conveyor in 9km tunnel to minimise impact on local communities
- Process water to be sourced from mine drainage and surface run-off
- Process plant designed with zero liquid discharge policy
- Gas and electric power available in the region
- Potential to source renewable energy for portion of power requirement



Expansion Potential: ZNWD licenses cover ca.13,000 hectares in the immediate vicinity of the core project

Sadisdorf

2017 historic JORC compliant inferred resources of 25Mt with an average grade of 0.45% Li_2O (average 2,053 ppm Li).

Historic data and drill core acquired.

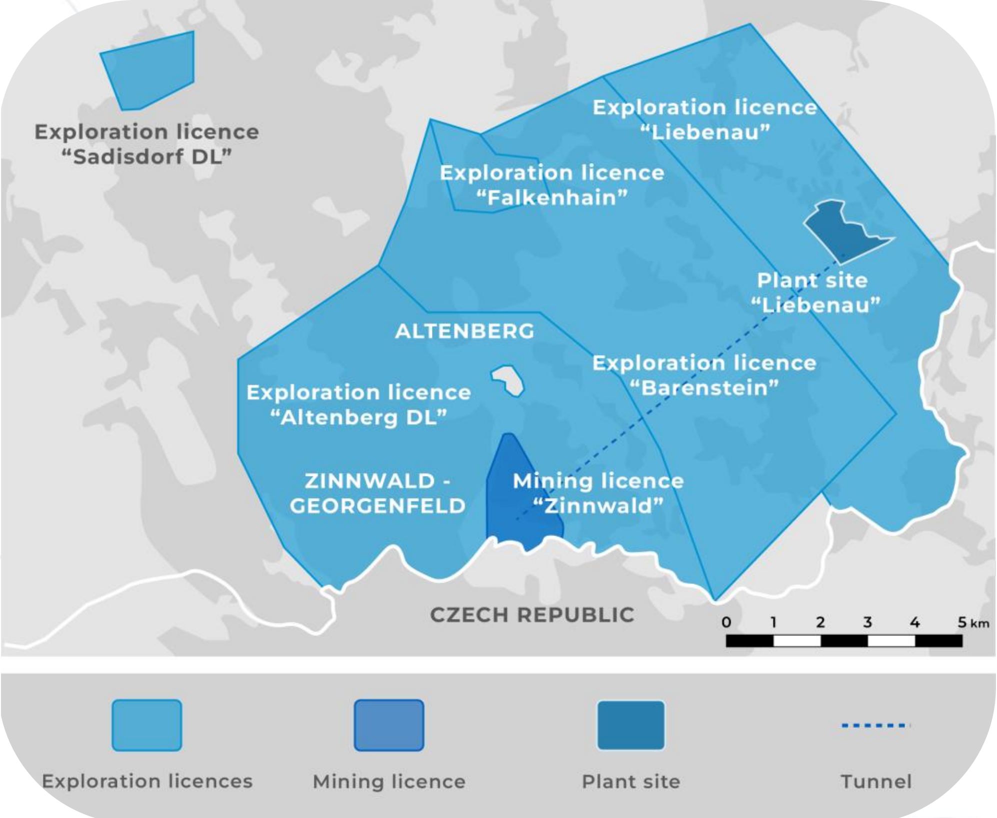
Altenberg

Step out from core Zinnwald mining license.

80 historic mining areas.

42 greisen occurrences.

25 lithium anomalies.



Falkenhain

Licence, extended to 31 December 2025, covers an area of 2,957,000 m²

Work including relogging historical drill data has confirmed the potential for an additional lithium resource.

Bärenstein

Fills gap between Falkenhain and Altenberg licenses.

Historic mining activity within the license.

Liebenau

Completes the licence coverage area for the Project's planned operations identified in the PFS.

Includes the site identified for the processing plant and tailings storage facility.

Lithium Market: Domestic supply is a strategic requirement for Europe

As lithium supply shortfalls emerge c.2030, ZNWD is perfectly timed to enter production and meet growing demand

Lithium: A Designated Critical Material

One of only **12 materials identified by NATO** as essential for defence and strategic applications.

Listed as a **priority mineral** under the EU's Critical Raw Materials Act (CRMA), underscoring its central role in economic and energy security.

Strategic Supply Challenges and European Dependency

The EU will **miss its 2030 CRMA targets** without urgent action.

With China dominating lithium processing, **supply chain risks remain high.**

EU lacks domestic battery-grade lithium production, and few projects offer the scale or longevity needed to close the gap.

National and Industrial Imperatives: Germany in Focus

Critical to Germany's industrial base, especially automotive and energy storage.

BDI estimates **supply disruptions** could risk €115bn in economic value.

April 2025 CDU-SPD coalition designates lithium as a strategic industry.

Zinnwald Lithium plc
The Clubhouse
8 St James's Square
St. James's
London SW1Y 4JU
www.zinnwaldlithium.com
info@zinnwaldlithium.com

Joint Broker
Tamesis Partners
+44 (0)203 882 2868
partners@tamesispartners.com

Joint Broker
Oberon Investments
+44 (0)203 179 5300
info@oberoninvestments.com

Financial PR/IR
St Brides Partners Ltd
zinnwald@stbridespartners.co.uk

Luís Martins

Cluster Portugal Mineral Resources

Panel: Industry

15:00 – 16:00

“Vision without action is just a dream, action without vision just passes the time, but vision with action can change the world”

Nelson Mandela

Laura Quijano

ISMC Iberia Mine (Iberian Sustainable Mining Cluster)

Panel: Industry

15:00 – 16:00

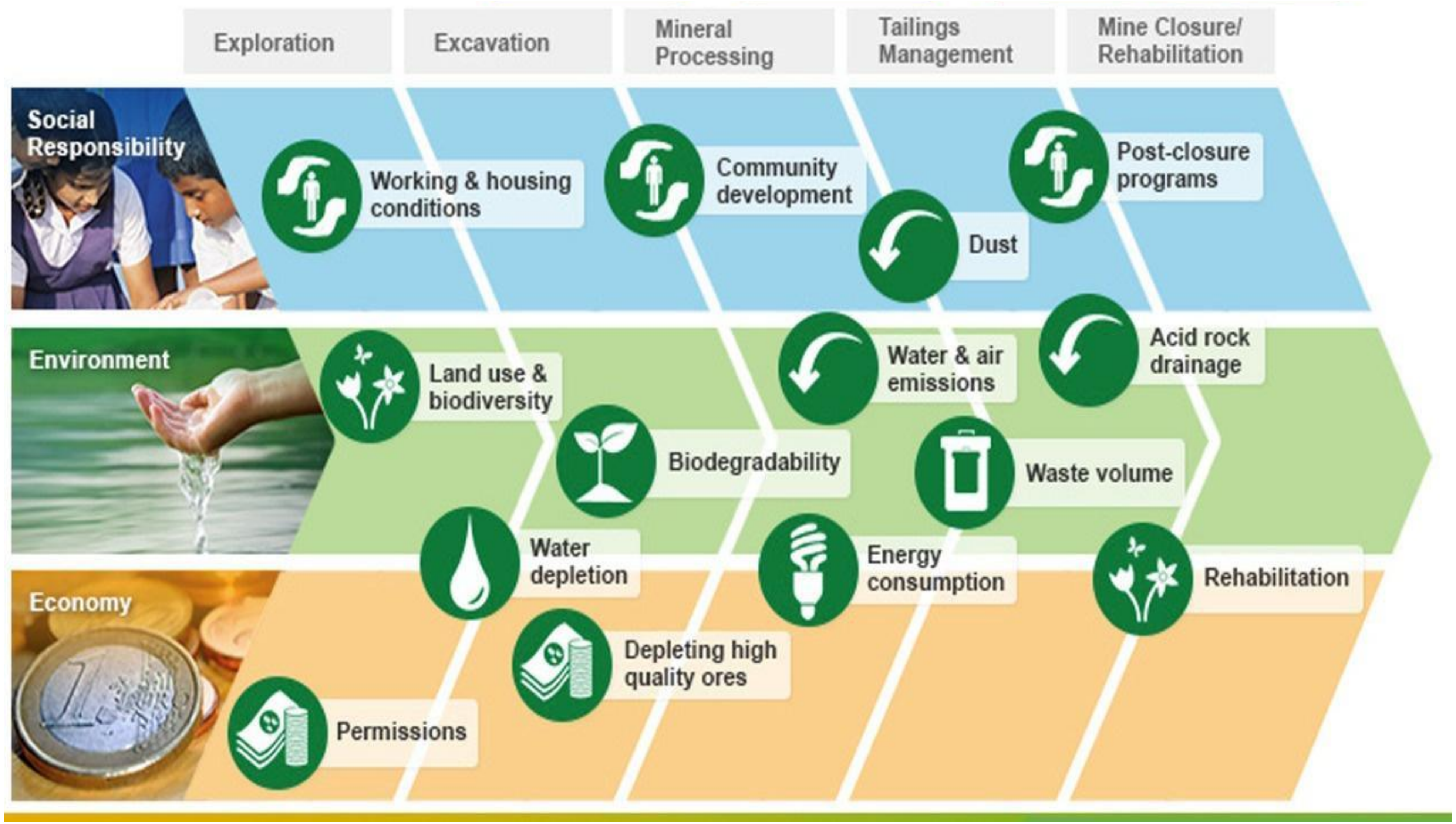
IBERIAN SUSTAINABLE
MINING CLUSTER

Mission

Founded in 2018, the Iberian Sustainable Mining Cluster has grown steadily to become **a key driver of innovation in the mining sector across Spain and Europe.**

Working closely with our partners, we are committed to **strengthening the capabilities of the mining industry and advancing the sustainable supply of raw materials throughout Europe.**

Clusters are an important element in industrial transition:
facilitator from the regional industrial transition strategy to EU level



71% SMEs
90 partners

+2500 jobs

TURN OVER 1000M € in 2025

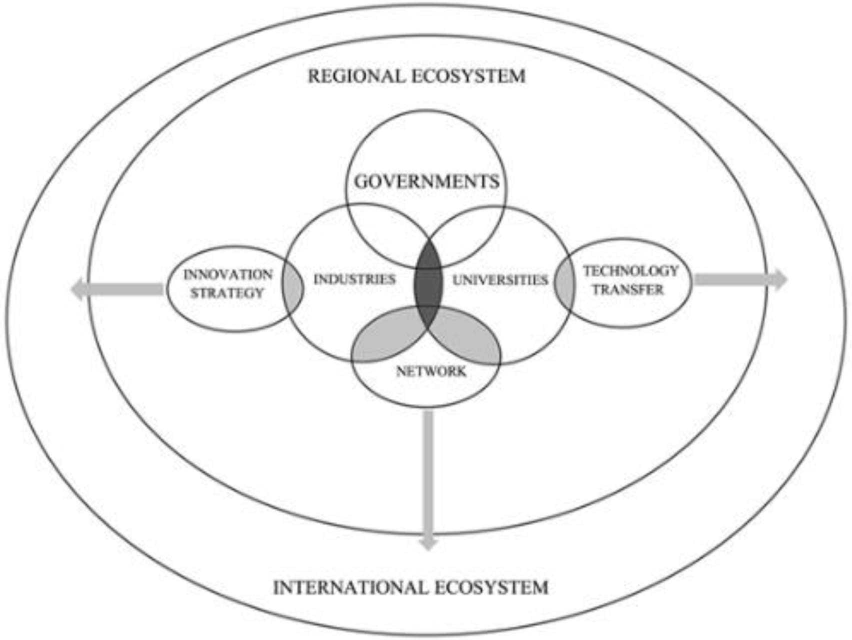
The main role is to **build trust and foster innovation** by bringing together relevant actors to generate **new ideas**.

The **support function** is to help deliver the agreed strategy, facilitate scale-up and **scale-out of ideas and innovations**.

Promotes **training, research, and technology transfer** activities

Provides **technological and innovative services** that strengthen the sector's sustainability

Facilitates **cooperation in strategic areas**, contributing to the creation of a highly competitive business ecosystem



Collaboration between Governments, Universities and Businesses (actors) facilitate membership in networks or clusters via different channels. Higher is the degree of connectivity between actors, higher is also the level of innovation in the regional interconnected ecosystems.

Mancini, S. and González, J. (2021) Role of Technology Transfer, Innovation Strategy and Network: A Conceptual Model of Innovation Network to Facilitate the Internationalization Process of SMEs. Technology and Investment, **12**, 82-128. doi: 10.4236/ti.2021.122006.

Objectives

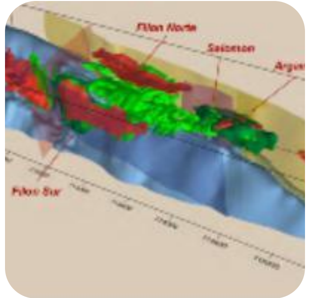
- Boost the mining sector and associated services
- Promote growth and competitiveness
- Support technological innovation and sustainability
- Facilitate cooperation between industries
- Attract business and trade opportunities

pilots experience

One great advantage of clusters is that they are a flexible and scalable instrument that enables policy experimentation, **piloting** and testing of strategies and interventions in specific value chains, among selected stakeholders and on a limited scale before roll-out across a region.

Raw Materials recovery pilots from tailings

CRMs including REEs extraction and processing pilots



Advanced digitalisation across the mining value chain

partners

PARTNER INSTITUTIONS

mining partners

key industrial partners managing Strategic resources

7 interdisciplinary working groups

IBERIAN SUSTAINABLE MINING CLUSTER

- **International projects, technological projects and grants**
- **International business development and financing**
- **Technology surveillance**
- **Training, health and safety in the workplace**
- **Communication and marketing**
- **Legislation, European regulations and certifications**
- **Environment and sustainability**

ISMC in numbers

IBERIAN SUSTAINABLE MINING CLUSTER

PROJECTS

28 EUROPEAN, NATIONAL & REGIONAL PROJECTS → 19 ON-GOING, 9 ALREADY FINISHED → 26 ISMC PARTNERS INVOLVED

FUNDING

TOTAL FUNDING: 97.541.732,80€ → ISMC BUDGET: 6.217.544,45 → INVESTMENT RAISED FOR PARTNERS: 6.564.133,82€

Projects MAY 2025

projects

IBERIAN SUSTAINABLE MINING CLUSTER

Funded by the European Union

WideX

Li4LIFE

TERRAVISION

MINE.THE.GAP

I4-GREEN

C-SINK

BATMASS

MADITRACE

S34I
SECURE AND SUSTAINABLE SUPPLY OF RAW MATERIALS FOR EU INDUSTRY

GAIA-TSF
GEOSPATIAL ARTIFICIAL INTELLIGENCE ANALYSIS

ReSiLex

NEO-CYCLE

DEXPLORE

PERMANET

OPTIMINER

IKM HUB

MOSAIC INNOVA

Interreg Europe
Co-funded by the European Union
EMRIE

echo

EXP SKILLS-REM
Professional Training: Magnets & Motors

RM SLO PLUS HUB

eit RawMaterials
Connecting matters

Co-funded by the European Union

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Junta de Castilla y León
Europa impulsa nuestro crecimiento
Cofinanciado por la Unión Europea

clusternet
alianza multisectorial

VIGITECYL 22 MINA

GEOMAT

GOBIERNO DE ESPAÑA
MINISTERIO DE INDUSTRIA, COMERCIO Y TURISMO

GOBIERNO DE ESPAÑA
MINISTERIO PARA LA TRANSICIÓN ECOLÓGICA Y EL RETO DEMOGRÁFICO

Projects MAY 2025

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Discussion

& Q&A

Panel: Industry

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16:00 – 16:15 Closure and summary

Vesa Nykänen

GTK

Hafsa Munia

GTK

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EXPLORATION INFORMATION SYSTEM PARTNERS

GTK

beak CONSULTANTS

brgm

LULEÅ TEKNISKA UNIVERSITET

CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

SGU Geological Survey of Sweden

KELIBER

LGi sustainable innovation

GISPO

UFS

UNIVERSITY OF TURKU

UNIVERZITA KARLOVA

DEUTSCHE LITHIUM

CLC
Cobre Las Cruces, S.A.U.

talga

GP GOLDEN PET SRO
A Canadian Palladium Company

UNICAMP

UNIVERSITY OF HELSINKI
(associate partner)

Thank you!

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