

THE EKOMETALL PROJECT PIPELINE

From Historical Archives to Drill Core

A technology-driven exploration methodology that combines AI-powered historical data mining with structured community engagement and responsible field execution.

OUR EDGE

3582

Mining locations unlocked

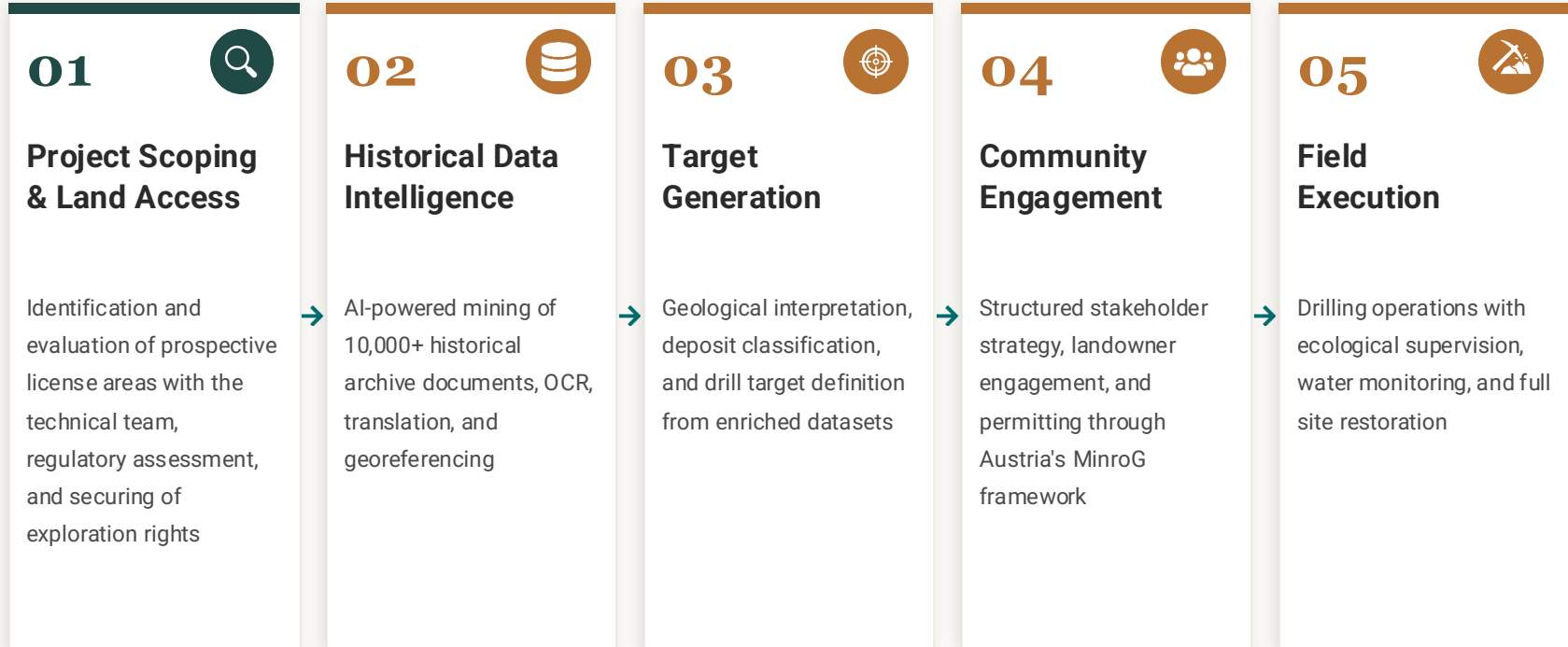
2584+

Historical PDFs processed

8 months

Application to drilling

End-to-End Exploration Process



Each phase builds on the previous, creating a systematic and repeatable exploration methodology.

Project Scoping & Land Access



Systematic identification of prospective license areas, regulatory planning, and early access strategy



License Area Identification

Evaluation of prospective regions across Austria's geological provinces. Critical mineral potential assessed against EU strategic raw materials priorities.



Prospecting Rights Application

Application under Austria's Mineral Resources Act (MinroG) for exploration rights. Regulatory pathway assessment by federal state.



Land Access & Stakeholder Mapping

Mapping of ownership structures – private landowners, agricultural communities, road and water associations – that vary between states. Lays the groundwork for the CES.

EKOMETALL LICENSE POSITION

9,940 km²

12% of Austria's land area under exploration license

Project Groups (km²)

4 Active Regions

Styria Group (2,524 km²)

Styria , Lower Austria

Noricum Group (1,713 km²)

Central Alps

Tyrol Group (2,092 km²)

Tyrol / Salzburg

Drau Group (3,611 km²)

Carinthia Corridor

The Tessenberg work program was preceded by a two-year evaluation of historical data and a grassroots field season – demonstrating how Phase 01 scoping directly informs all downstream phases.



Historical Data Intelligence

AI-powered extraction and analysis of centuries of Austrian mining archives



Archive Scraping

2584 documents and counting, sourced from Austrian geological databases

257

Years of geological knowledge unlocked



OCR & Translation

Optical character recognition on historical German texts + English translation

15x

Validated locations vs. original IRIS data



Metadata Extraction

Toponyms, minerals, coordinates, and geological indicators scored and classified

3582

High-relevance locations identified



GIS Database

3582 georeferenced points with 47 metadata fields in GeoPackage + PostgreSQL

21K+

Location mentions extracted

Target Generation

Transforming enriched historical data into actionable exploration targets



Geological Interpretation

Expert review of AI-enriched datasets, deposit classification by type (Vein, Stratabound, VMS, Placer, Skarn), and commodity mapping



Grassroots Exploration

Field season of geological mapping, sampling, and geophysical / geochemical investigations to ground-truth historical data



Drill Target Definition

Synthesis of archival intelligence and field data into ranked drilling targets with technical work program preparation

Community Engagement for Drill Permitting

A structured Community Engagement Strategy (CES) that exceeds Austria's regulatory requirements



Municipal Introduction

Direct engagement with mayors;
project briefing by geologist and
legal counsel



Landowner Assembly

Town hall meeting with all
affected parties, road and water
associations



Work Program Submission

Complete application filed with
mining authority under MinroG



Hearing & Approval

Oral hearing with site inspection;
ecological supervision framework
agreed

Field Execution

Responsible drilling operations to test Ekometall's targets with full ecological oversight and community integration



Ecological Supervision

Independent construction oversight by REVITAL throughout all drilling phases; habitat mapping and species surveys



Water Monitoring

Systematic observation and documentation of springs before, during, and after drilling operations



Mine Survey Assessment

Analysis ensuring planned drill trajectories do not intersect historic underground workings



Full Site Restoration

Complete rehabilitation with vegetation sod replacement and restoration of near-natural terrain profile

ENVIRONMENTAL CONCLUSION

"Impacts are classified as minor, locally limited, and fully reversible. No permanent land loss or significant impairment of protected habitats or species."

LOCAL VALUE CREATION

- ✓ Road rehabilitation by local contractors
- ✓ Drill site construction and logistics
- ✓ Equipment transport into alpine areas
- ✓ Final site restoration by regional firms

Why Austria Is Different



OTHER EU JURISDICTIONS

- Mandatory public participation phases
- Formal Social License requirements
- Multi-stage consultation processes
- Extended approval timelines
- Complex stakeholder frameworks



AUSTRIA (MinroG)

- ✓ Technical and formal focus
- ✓ Landowner consent as primary requirement
- ✓ Single oral hearing with site inspection
- ✓ Private-law flexibility
- ✓ Clear, predictable process

Ekometall voluntarily implements a full CES that exceeds Austria's requirements – combining regulatory efficiency with best-in-class stakeholder engagement.

TECHNOLOGY MEETS RESPONSIBILITY



EKOMETALL

A Repeatable, Scalable Exploration Framework



AI-Powered Discovery

Proprietary workflow unlocks centuries of mining knowledge from historical archives, generating 15x more validated targets than traditional methods



Streamlined Permitting

Austria's MinroG framework paired with Ekometall's voluntary CES delivers a clear, efficient path from application to execution



Responsible Execution

Full ecological supervision, water monitoring, local contractor engagement, and complete site restoration as standard practice