ASPROMIN
ASESORIAS PROYECTOS MINEROS

ALTO EXPLORADORA PROJECT

COPPER EXPLORATION OPPORTUNITY IN NORTHERN CHILE

ALTO EXPLORADORA

Gold-Copper Exploration Project
Domeyko Fault – Exploradora Range

Company - Aspromin SpA

Founded in 2001, Aspromin—short for Sociedad Minera Aspromin—is a dynamic company dedicated to the exploration of metallic and non-metallic resources. Our primary mission is to undertake mineral prospecting projects, starting from early-stage exploration and advancing toward more developed operations.

At Aspromin, we specialize in professional services related to the legal and technical aspects of establishing mining properties.

Our focus is on:
1. Exploration: Identifying and assessing potential mineral deposits.
2. Development: Advancing projects through rigorous testing and evaluation.
3. Legal Compliance: Ensuring adherence to regulatory frameworks and securing the necessary permits.

Why Choose Aspromin?
- **Experience:** Our team is made up of seasoned professionals with deep knowledge of the mining industry.
- **Innovation:** We use cutting-edge technologies and methodologies to optimize exploration efforts.
- **Commitment:** We are dedicated to ethical practices, environmental stewardship, and community engagement.

"Throughout our journey, we have collaborated with key industry players such as BHP Billiton, Anglo American, First Quantum, New Energy, Copper Ex Resources, Noranda, Teck, Minera Activa, among others."

Team and Key Roles

ARMANDO ARAYA O.
President
Mining executive with 30 years of experience in mining projects, encompassing extensive expertise in sales, exploration, development, and general management within the mining industry.

YAKOV CARIC PUJADAS
Senior Geologist
Geologist from the Universidad Católica del Norte, with over 30 years of professional experience in Greenfield and Brownfield exploration in epithermal and porphyry environments, working with major national and international companies.

ARMANDO ARAYA C.
Project Manager
Engineer specialized in mineral exploration in Chile. Expert in strategic management of mining businesses, with experience in the planning and development of mining projects.

""We are pleased to present the Alto Exploradora Project, a strategic opportunity within the Eocene–Oligocene Metallogenic Belt, home to some of the world's largest copper deposits such as Escondida and Chuquicamata.

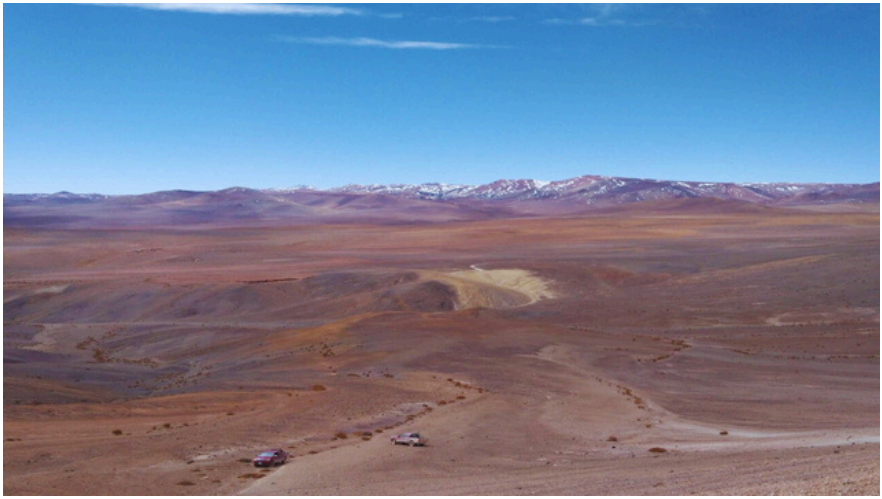
This project, located in the heart of the Domeyko Cordillera, aims to become a relevant player in the global copper market, in a context where the energy transition and the demand for strategic metals are rapidly accelerating.

Armando Araya Ortiz
CEO Aspromin

Introduction

The Alto Exploradora Project is located on the border of the Atacama and Antofagasta regions in Chile, at an average elevation of 3,000 to 3,900 meters above sea level. It comprises a total of 95 mining concessions (75 exploration and 20 explotation), covering 25,150 hectares. The property is held by Minera Aspromin SpA and Alto Exploradora SpA.

The area hosts six target zones with Cu–Au–Mo porphyry-style mineralization, carbonate replacement, skarn, and epithermal systems. Historical exploration campaigns include drilling by BHP and Rio Tinto, and more recently, drilling conducted by CopperEx (2021–2024) has confirmed significant mineralization.



Project History

The Alto Exploradora Project, located in the Sierra Exploradora within the Domeyko Cordillera, has a more than three-decade-long exploration history, positioning it as one of the most promising areas for the discovery of a major copper deposit in Chile.

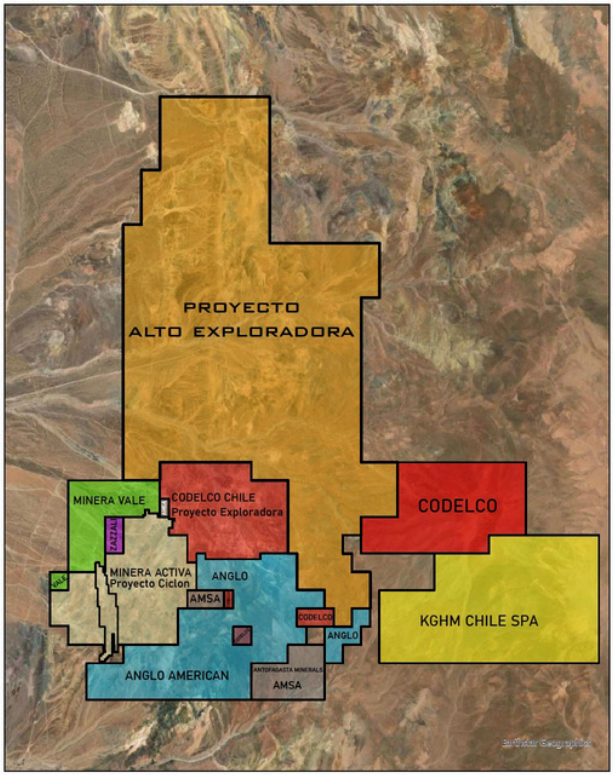
The first exploration activities date back to the 1990s, when CODELCO and SERNAGEOMIN carried out large-scale geological surveys, identifying gold and copper mineralization in various sectors of the property. Later, in the 2000s, international companies such as Rio Tinto, Bema Gold, and Aur Resources expanded prospecting efforts with geochemical, geophysical, and drilling campaigns, which confirmed the presence of hydrothermal alterations and structures favorable for porphyry-type systems.

Between 2012 and 2014, BHP Billiton, in partnership with Aspromin, executed one of the most comprehensive exploration programs in the area, including more than 18,000 meters of diamond and reverse circulation drilling, as well as advanced geophysical surveys (AMT, IP, MT). These studies defined world-class prospective targets with strong potential for copper porphyry deposits associated with the Domeyko Fault—the same geological structure that hosts the giant Escondida, Chuquicamata, and El Salvador deposits.

In 2021, Minera Aspromin entered into a strategic alliance with CopperEx Resources, launching a new stage of systematic exploration. This phase incorporated surface geochemistry, airborne magnetometry, and RC drilling at the Agua de la Piedra and Sorpresa targets, confirming highly significant intersections—such as 70 meters averaging 1.27 g/t gold—which validate the existence of epithermal systems and reinforce the potential for deeper copper–gold porphyry deposits.

Location and Infrastructure

The project is located 110 km northeast of Diego de Almagro and 210 km from Copiapó, with access via paved roads and mining routes. It is situated 155 km from the port of Chañaral. The mining camp is equipped with basic facilities and internet connectivity.

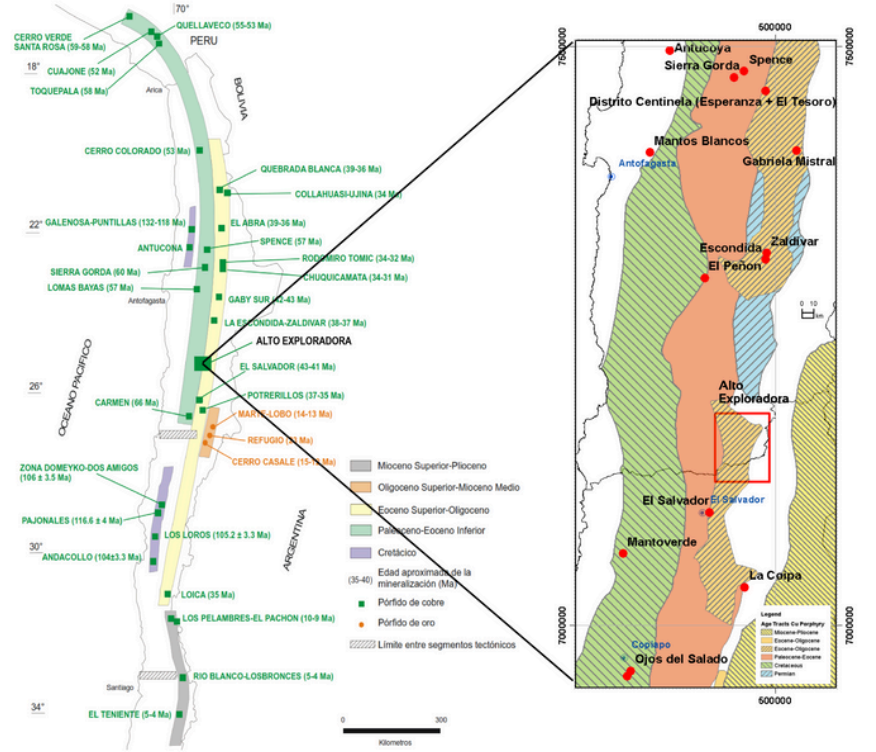


Geology and Exploration Potential

The Alto Exploradora Project is located in the Domeyko Cordillera, one of the most prolific metallogenic belts in the world, host to giant copper deposits such as Escondida, Chuquicamata, and El Salvador. This globally recognized Eocene–Oligocene belt constitutes the heart of Chile's copper production and represents the strongest geological assurance that the area hosts world-class mineral systems.

Geological Context

The project's geology is dominated by a sequence of Jurassic carbonate and volcanic rocks, intruded by multiple Eocene igneous bodies (monzodiorites, granodiorites, diorites, and subvolcanic intrusions). These intrusives, controlled by the Domeyko Fault, have generated large-scale hydrothermal alterations (argillic, sericitic, and propylitic), accompanied by disseminated sulfides and mineralized breccias.

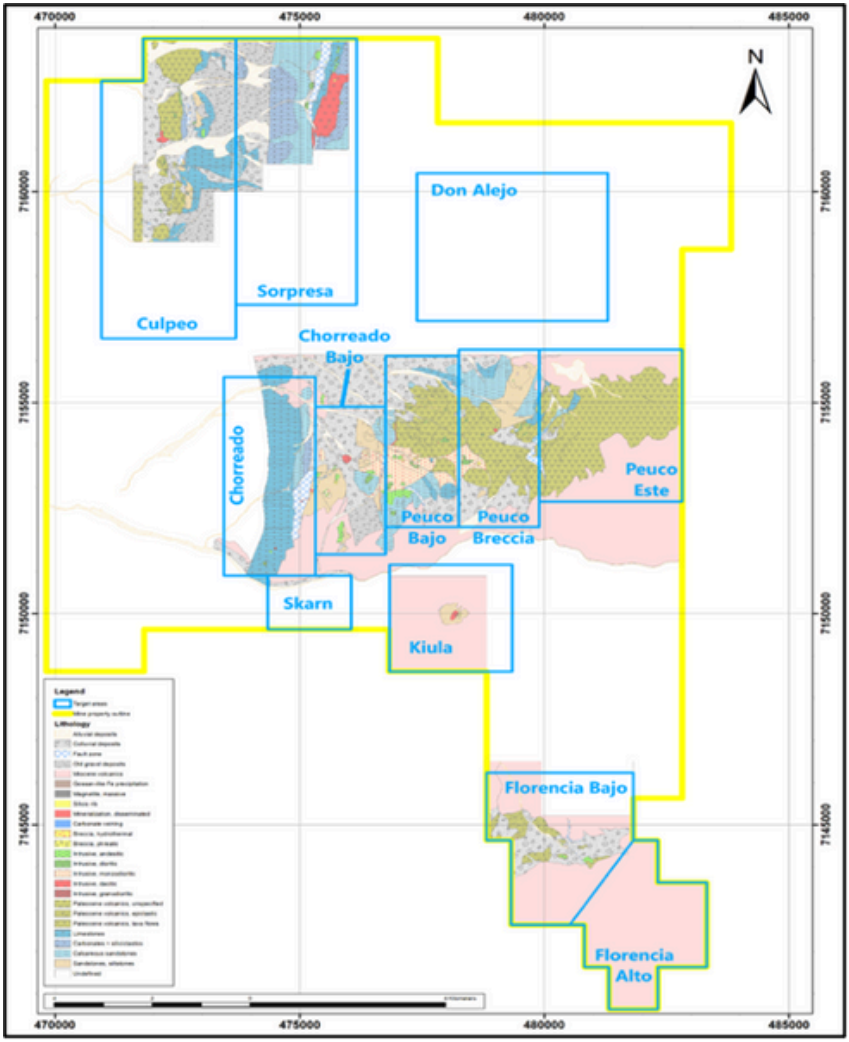


The presence of alteration halos and tectonically controlled structures, together with anomalous Cu–Mo–Au geochemistry, confirm that the system is fertile and capable of hosting copper–gold–molybdenum porphyry deposits, as well as skarn, carbonate replacement, epithermal deposits, and polymetallic bodies.

Targets Areas

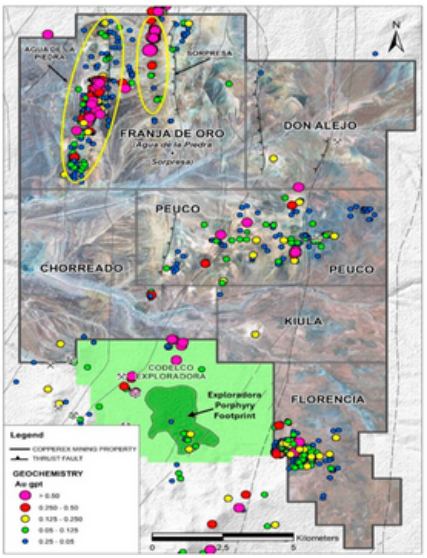
Historical and recent campaigns have defined at least six priority exploration areas within the district:

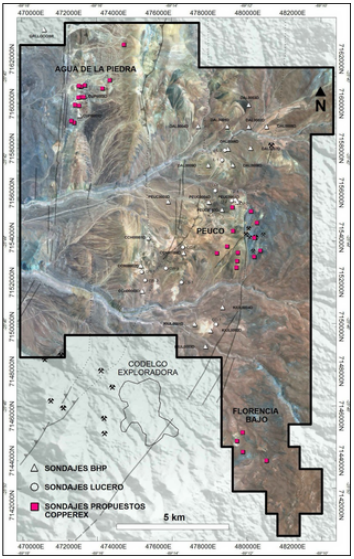
- **Agua de la Piedra (ADLP):** Low-sulfidation epithermal system, with significant gold intersections and potential for an underlying porphyry.
- **Peuco:** Main target for copper–gold porphyry, supported by robust geochemical and geophysical evidence.
- **Florencia (Alto and Bajo):** Veins and breccias with Au–Cu mineralization, associated with fertile intrusives.
- **Sorpresa:** Gold mineralization confirmed in both historical and recent drill holes.
- **Culpeo and Kiula:** Structures with sericitic alteration and disseminated pyrite, favorable for copper porphyry systems.

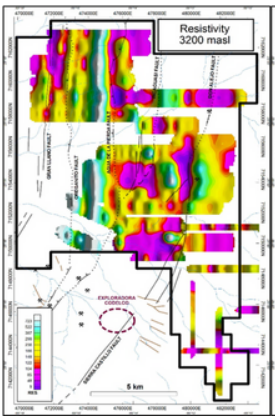


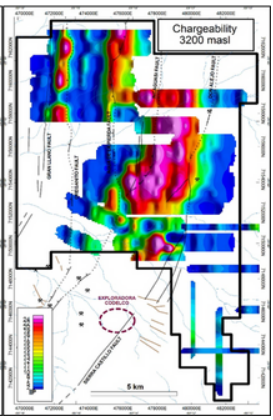
Evidence of Potential

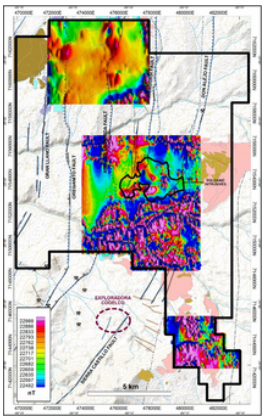
- A total of 64 historical drill holes were completed by BHP, Rio Tinto, and CopperEx, totaling more than 20,000 meters drilled.
- Surface and trench geochemistry revealed significant Cu, Mo, and Au anomalies.
- Advanced geophysics (IP, MT, and airborne magnetometry) supports the existence of mineralized bodies at depth.
- Key intercepts, such as 70 m @ 1.27 g/t Au at Agua de la Piedra, validate the continuity of mineralized systems.









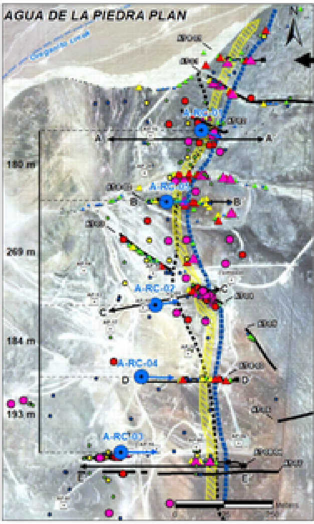


Future Projection

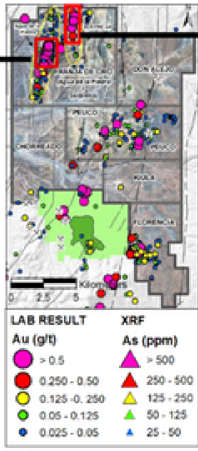
The potential of Alto Exploradora is not limited to the known intercepts, but rather to the scale of the geological system, which extends for more than 20 km along the Domeyko Fault. The combination of receptive Jurassic lithologies, fertile Eocene intrusives, and a world-class tectonic structure positions the project as a first-order candidate for the discovery of a world-class copper–gold deposit in Chile.

Exploration Opportunity – Gold and Copper Belt

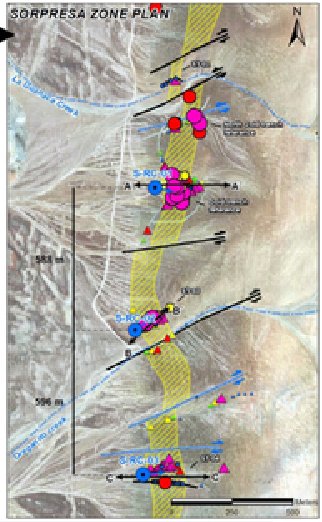
The Gold Belt, located in the northwestern sector of the Alto Exploradora Project, extends for approximately 15 kilometers and represents one of the most prospective auriferous zones within the property. At the Agua de la Piedra (ADLP) and Sorpresa targets, high-value intersections have been confirmed, validating the continuity of gold at ADLP and the presence of near-surface mineralization at Sorpresa. These results reinforce the potential for a large oxide-gold deposit, as highlighted by technical advisor John Robins, positioning the project within a highly relevant regional corridor that also shows a strong association with copper porphyry systems. Work carried out to date has delivered highly positive results, and the upcoming Phase II drilling campaign aims to significantly expand the extent and continuity of these mineralized systems, thereby consolidating the district's value as a relevant gold-producing area.



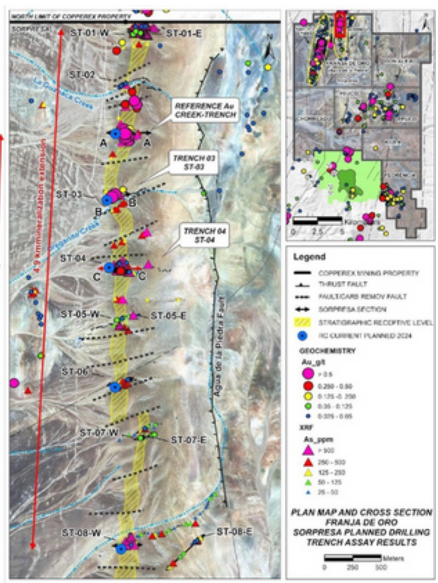
Exploradora Norte – ADLP target areas and surface and trench rock geochemistry.

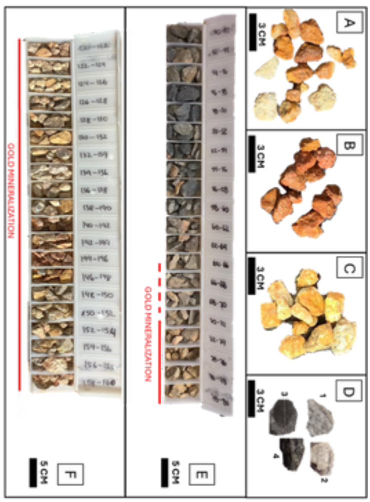


Exploradora Norte - Property map including key target areas and surface and trench rock geochemistry.



Exploradora Norte – SORPRESA target areas and surface and trench rock geochemistry.

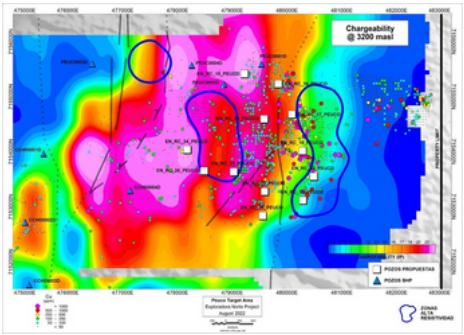


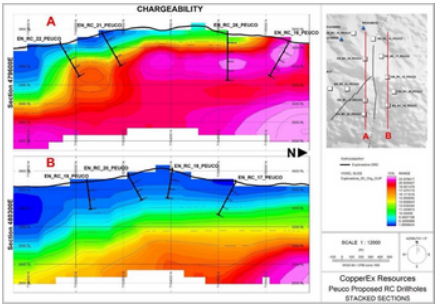


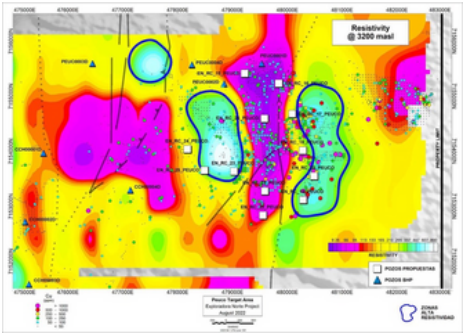
Copper Opportunity – Peuco Target

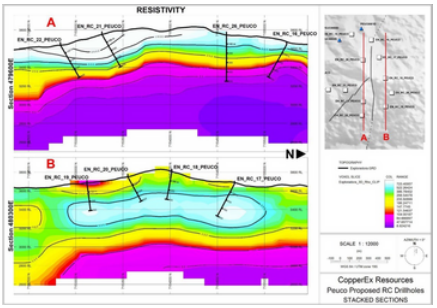
The Peuco target has emerged as one of the most compelling copper porphyry prospects within the Domeyko Cordillera. The integration of geological mapping, geophysical and geochemical anomalies, along with petrographic studies, reveals a fertile system that remains untested by drilling.

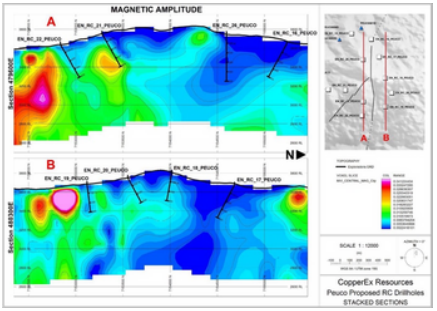
- Dacitic porphyry clasts with potassic and phyllic alteration have been identified in quartz–tourmaline hydrothermal breccias.
- Anomalous Cu–Au values in surface samples and breccias, together with mineralized clasts, suggest close proximity to a porphyry center at depth.
- Evidence of copper mineralization (0.03% Cu in surface XRF analyses and 0.04–0.09% Cu in mineralized clasts, despite oxidation and leaching) indicates that primary grades could be significantly higher in the unaltered system.
- Furthermore, the target coincides with high-potassium and chargeability geophysical anomalies, typical indicators of copper porphyry halos.











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