

TSX.V: AGAG

argentasilver.com

January 2025

Forward Looking Statements

This presentation may contain forward-looking statements that are not historical facts. Forward Looking Information includes, but is not limited to, disclosure regarding possible events, conditions or financial performance that is based on assumptions about future economic conditions and courses of action; the timing and costs of future exploration activities on Argenta Silver Corp. ("Argenta Silver") properties; success of exploration activities; permitting timelines and requirements; requirements for additional capital; environmental requirements; planned exploration and development of properties and the results thereof; planned expenditures and budgets and the execution thereof. Often, but not always, forward-looking statements can be identified by the use of words such as "expects," "plans," "estimates," "intends," "believes," "could," "might," "will", "budget", "scheduled", "forecasts", "anticipates", "potential", "base case" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Forward-looking statements involve known and unknown risks, uncertainties, and other factors which may cause the actual results, performance, or achievements of Argenta Silver to be materially different from any future results, performance, or achievements expressed or implied by the forward-looking statements. Forward looking statements or information relates to, among other things, Argenta Silver's corporate strategies, mineral resource estimates and plans for further exploration, which will require additional funding. These forward-looking statements are based on management's current expectations and beliefs (including the belief in the accuracy of the resource estimate) but given the uncertainties, assumptions and risks, readers are cautioned not to place undue reliance on such forward-looking statements or information. Information in this presentation is not intended to be a comprehensive review of all matters

For additional information on risks and uncertainties, see Argenta Silver's most recently filed annual management discussion & analysis ("MD&A"), which is available on SEDAR at www.sedarplus.com. The risk factors identified in the MD&A are not intended to represent a complete list of factors that could affect Argenta Silver.

Some of the mineral resources at the El Quevar Property are categorized as indicated and some as inferred mineral resources. Mineral resources that are not mineral reserves do not have demonstrated economic viability. Mineral resource estimates do not account for mineability, selectivity, mining loss and dilution. These mineral resource estimates include inferred mineral resources that are normally considered too speculative geologically to have economic considerations applied to them that would enable them to be categorized as mineral reserves. There is also no certainty that these inferred mineral resources will be converted to measured and indicated categories through further drilling, or into mineral reserves, once economic considerations are applied.

Compliance with NI 43-101: The technical information in this presentation has been prepared in accordance with the Canadian regulatory requirements set out in National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") and was reviewed and approved by Andrew Hamilton, P.Geo., a consultant to the Company, and the Qualified Person under NI 43-101.

The Right Silver Opportunity

For 40 years, I've dreamed of building a pure silver company in Latin America. Exceptional pure silver assets are incredibly rare, and when the El Quevar opportunity presented itself, I knew instantly—this is it. We have a clear vision to scale this into a much larger company.

> Frank Giustra Major Shareholder



TSX.V: **AGAG** argentasilver.com

Investment Overview



High-Grade, Low-Tonnage Mineralization

Small-scale discoveries can significantly boost resources, supported by a significant pure silver resource of 45.3 Moz @ 482 g/t Ag (Indicated) and 4.1 Moz @ 417 g/t Ag (Inferred)(1).



Attractive Valuation & Acquisition at a Fraction of Value

Post-deal market cap of ~C\$25M with ~C\$9.0M in working capital. Acquisition at a fraction of value, with a US\$3.5 million acquisition cost against over C\$60 million in historical investment, including 100,000 meters of drilling.



Expansion and Growth Potential

Positioned for growth in a rising silver market. The mineral resource area is open down-plunge and to other directions, with less than 1% of the project area explored, located along a major continental structural corridor.



Prime Location

Situated in Argentina's top mining jurisdiction, highlighting the country's renewed commitment to business and investment. Salta province is the best-voted jurisdiction of Latin America by the Fraser Institute for 2023



Strong Infrastructure

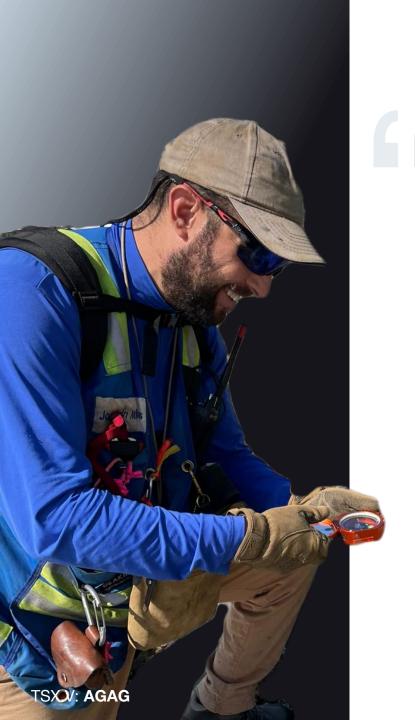
Ready-to-use camp, extensive internal roads, and infrastructure enabling rapid project restart.



Backed by Industry Experts

Supported by the Fiore Group, with a proven track record in the mining industry. Backed by mining leader and entrepreneur **Frank Giustra**.

(1) Source: Refer to NI43-101 technical report with effective date of September 30, 2024, titled "NI 43-101 Technical Report on the Mineral Resource Estimate of the El Quevar Project Salta Province, Argentina", posted on www.SEDAR.com under Argenta Silver Corp.



Latin America is home to some of the most significant silver deposits on the planet, a legacy from nature, forged by extraordinary, powerful, and enduring geological events that shaped the region millions of years ago, leaving behind an enormous wealth of untapped silver for the future. Our work now is to lead the technical team to fully unlock its potential in the most effective and efficient way, and by doing so we expect to create sustainable value for our shareholders and benefit the nearby communities.

Joaquin Marias

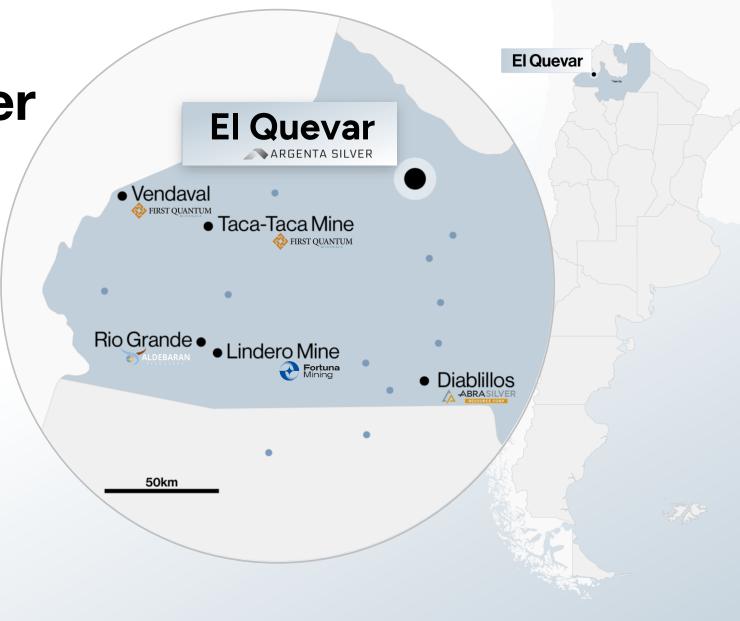
VP of Exploration and Development

Salta: Latin-America's Premier Mining Region

Located in **Salta Argentina**, most pro-mining province in the country. Major companies working in the province, including Rio Tinto, First Quantum, Aldebaran, AbraSilver, and Fortuna Mining. Circa 35 registered projects, mostly lithium, followed by gold and copper, silver, lead and zinc, borates and uranium.



Best voted jurisdiction of Latin America by Fraser Institute for 2023.





New Discoveries

Land package of **57,000 hectares**.

TSX.V: AGAG

- Located along a major continental structural corridor, home to giant mines like El Abra and Chuquicamata.
- Year-round accessibility with all-vehicle road access.
- Close to the community of Pocitos, eager for the project's restart.



Pocitos

Calama el Toro Fault

Argenta El Quevar Claim



Solar Farm

190km to Salta Capital City

El Quevar Project

High-grade, low-tonnage, pure silver play

Mineral Resource Estimate (2024)⁽¹⁾

Category	Tonnage (Mt)	Silver Grade (g/t)	Metal Cont. (Moz Ag)
Indicated	2.93	482	45.3
Inferred	0.31	417	4.1

Unlocked expansion potential due to previous lack of funding and mismanagement.

(1) Source: Refer to NI43-101 technical report with effective date of September 30, 2024, titled "NI 43-101 Technical Report on the Mineral Resource Estimate of the El Quevar Project Salta Province, Argentina", posted on www.SEDAR.com under Argenta Silver Corp.

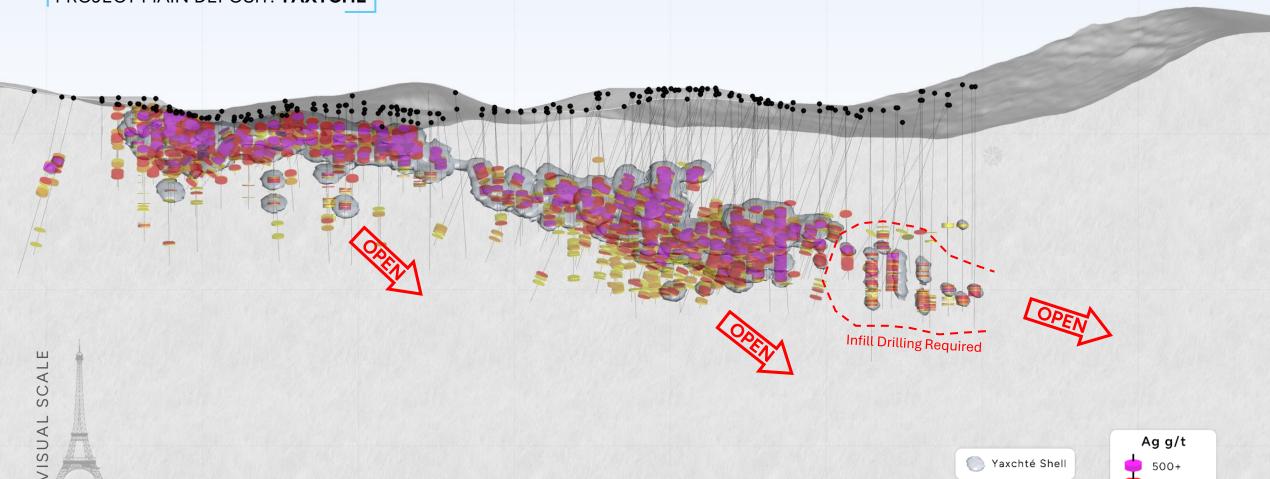
High-grade, Low-tonnage Silver

PROJECT MAIN DEPOSIT: YAXTCHE

El Quevar Indicated Resource

2.93 Mt containing 45.3 Moz of silver at 482 g/t Ag. 1

(1) Source: Refer to NI43-101 technical report with effective date of September 30, 2024, titled "NI 43-101 Technical Report on the Mineral Resource Estimate of the El Quevar Project Salta Province, Argentina", posted on www.SEDAR.com under Argenta Silver Corp.



Yaxchté Shell

300 m

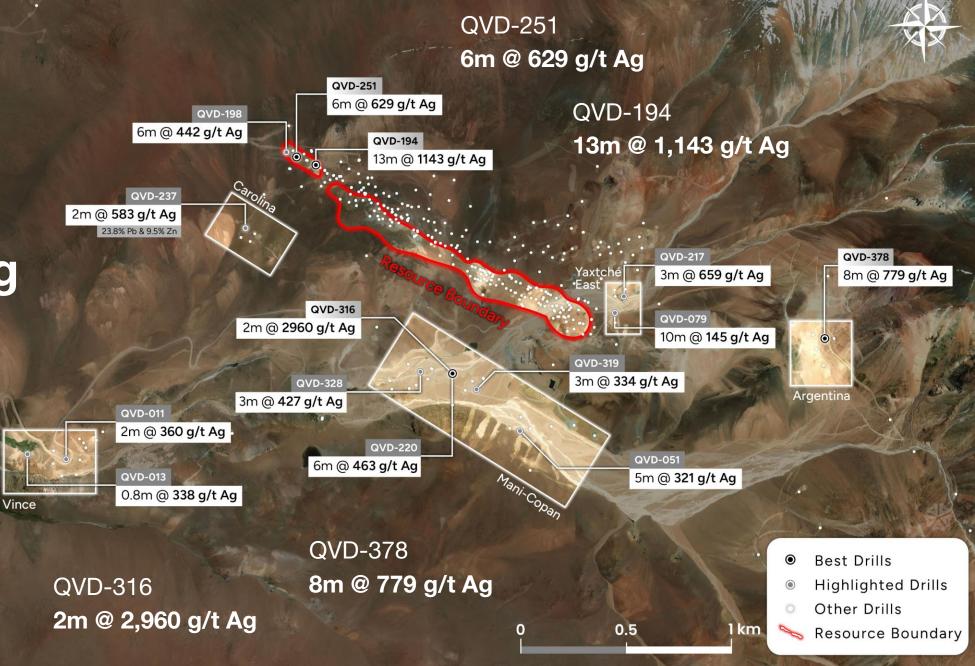
Looking SSW • Azimuth 208

Ag g/t
500+
100- 500
50 - 100
25 - 50

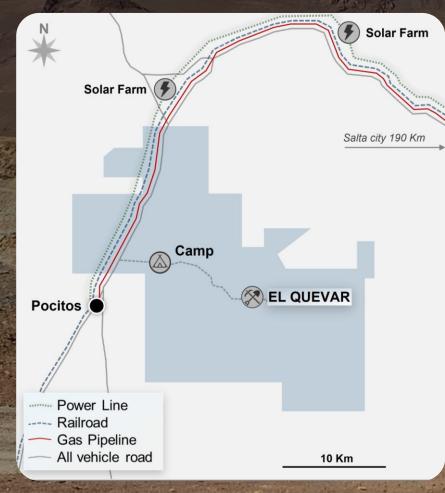


Past Drilling Success, New Multiple Targets

Highlighting Exceptional, High-Grade Results



Infrastructure for Success



Internal

Ready-to-use camp for 100 workers.

Over 60kms of internal roads (high construction cost).

Over 400 drillholes (100,000 meters drilled).

1,250-meter underground decline ramp.

Multiple onsite generators.

Core logging facilities.

Multiple buildings, warehouses, fuel tanks.

Explosives warehouse (permitted).

External

National public road access.

Gas pipeline for mining projects at 4 km.

High voltage power line at 20 km.

Two photovoltaic parks located at 20 km, including the largest one in South America.

Multiple mining friendly communities.



100-people ready-to-use camp.
High quality, high-cost infrastructure.
Completely equipped.

Access Road

Provincial Road

Kitchen
Dinner
Nursery
Cold storages

Waste-water plant

Access gate

Laundry

Core logging facility

Offices Sleeping area

Power Generation Area

Fuel Tanks Site #1

TSX.V: AGAG argentasilver.com

Core yard

Exploration Plan

Season 2024 - 2025

PHASE 1

- -Camp reconditioning.
- -Internal roads rehabilitation.
 - -Historical database compilation.
 - -Re-log of historical drillcore.
 - -Targeted surface sampling program.
 - -State-of-the-Art geological studies.
 - -Re-modelling and re-interpretation of the deposit.
 - -Definition of drill targets.

PHASE 2

- -Drill targets from Phase 1.
 - -Infill areas of the resource to compliment widely spaced drilling from previous programs.
 - -Test targets that are outside of the resource area.

DEC 2024

Q1 2025

Q2 2025

Q3 2025

Company **Timeline**

03 SEPT 2024

Letter of Intent

Opportunity Identification & Project Due Dilligence

LATE AUG 2024

20 SEPT 2024

Non-Brokered **Private Placement** \$15 M at \$ 0.15 27 SEPT 2024

El Quevar Acquisition Completion

Market Cap

~10 M CAD

AGAG: \$ 0.15

NOV/DEC 2024

Camp and Roads Rehabilitation

28 OCT 2024

Back to trade

on TSX.V as

AGAG

03 JAN 2025

Phase 1 **Exploration** Commencement

Market Cap

~45 MCAD

AGAG: \$ 0.28

Market Cap

4.5 x

TSX.V: AGAG

Local Support

Positive engagement with Indigenous and Government leaders in Salta Province.

- 80% of our workforce is from Salta Province.
- 35% of our workforce is from Local Communities.
- Continuous engagement with the Kolla Chief of Pocitos and members of the community.
- Active participation on activities and meetings lead by the Government.
- Support from the Production Ministry and the Mines and Energy Secretary.



Salta's Minister of Production and Secretary of Mines and Energy. November 2024



Local Kolla Representative leading Ritual to the Mother Land. Work Commencement Celebration. January 2025.

Argentina is Open for Business

Under President Javier Milei, Argentina is attracting foreign direct investment after years of market isolation.

Strengthened institutions have positioned Argentina as a **key opportunity in South America**.

New regulations supporting natural resource industries, and investment have been passed under Milei's leadership.



Argentina is Open for Business

3rd

3rd largest economy in Latin America.

20

Over 20 copper projects in exploration.

5th

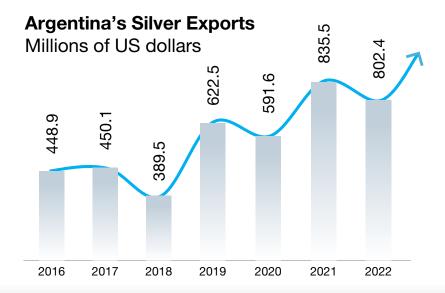
10 operational gold mines; 5th largest producer in Latin America.

2nd

2nd largest global lithium reserves, 4th largest producer.

Silver Today for Tomorrow

Silver demand is rising, boosting price performance. Strong demand from the photovoltaic industry. Immediate need for next-gen silver batteries. Prices climbing due to geopolitical concerns. Silver remains undervalued compared to gold.



Argentina is the 10th largest silver producer globally, holding 3% of world reserves.

6 advanced silver projects in exploration stages.

TSX.V: AGAG



Top Tier Silver Asset

Third-largest undeveloped single silver resource in Argentina. 92% of the Mineral Resource Estimate is in Indicated category. Upside potential for resource expansion and optimization. Pure silver play, with exceptional high grade.

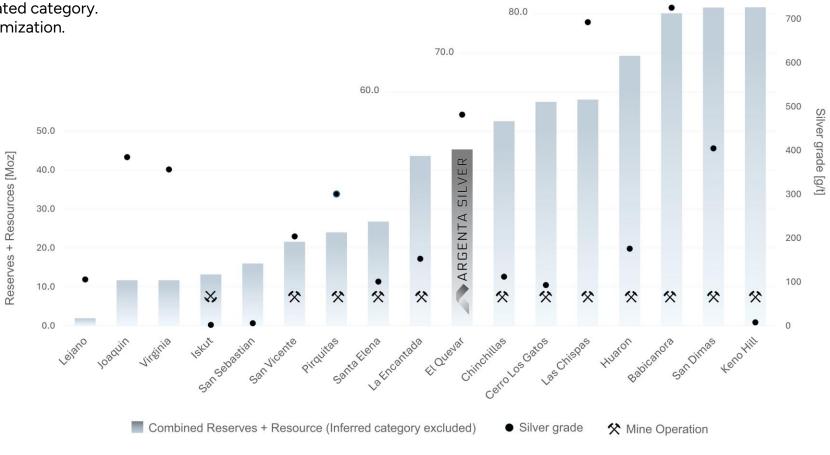
El Quevar Indicated Resource
2.93 Mt containing
45.3 Moz of silver
at 482 g/t Ag. 1

(1) Source: Refer to NI43-101 technical report with effective date of September 30, 2024, titled "NI 43-101 Technical Report on the Mineral Resource Estimate of the El Quevar Project Salta Province, Argentina", posted on www.SEDAR.com under Argenta Silver Corp.



800

90.0



TSX.V: **AGAG** argentasilver.com

Capital Share Structure



Issued & Outstanding on Closing

Common Shares 169,114,377

Stock Options 15,814,000

Warrants 9,800,000

Fully Diluted 194,728,377

C\$9 Million in working capital

Zero debt.

No pending property payments.



Reasons to Invest in Argenta Silver

Growth Potential

Promising Exploration Upside

Ground-level Valuation



Proven Track Record

Backed by the Fiore Group, led by renowned mining investors Frank Giustra and Gord Keep, who have a history of value creation in the mining sector.



Significant Silver Resource

El Quevar boasts 45.3 Moz of silver at 482 g/t (Indicated) and 4.1 Moz (Inferred) at 417 g/t Ag(1), with significant potential for expansion and optimization.



Timing

Positioned to capitalize on rising metals prices, supported by increasing silver supply deficits.



Decades of Value Creation

The Fiore Group brings three decades of experience in building successful mining companies globally, including Aris Mining, Goldcorp, Endeavour Mining, UrAsia Energy, Wheaton Precious Metals, and West Red Lake Gold Mines.



Prime Location

Strategically situated along a major continental structural corridor, in proximity to world-class mines such as El Abra and Chuquicamata, and closer to Pirquitas and Chinchillas Ag, Zn, Pb mines (SSR Mining).



Exceptional Value

El Quevar, located in a leading mining jurisdiction, is being acquired at a compelling valuation of approximately C\$0.10 per Indicated ounce, or less than \$0.08 on the dollar of historical investment.



Strategic Vision

Argenta's vision is to build a leading silver company to fuel the energy transition and create significant shareholder value.



Top-Tier Pure Silver Asset

El Quevar stands as Argentina's third-largest undeveloped single silver resource, offering a high-grade, low-tonnage pure silver opportunity with significant infrastructure alongside \$60 million of historical investment.



Strong Financial Position

>C\$25M market capitalization post deal, with 100% ownership of El Quevar, C\$9.0M in working capital, and lead order from shareholder Frank Giustra.

⁽¹⁾ Source: Refer to NI43-101 technical report with effective date of September 30, 2024, titled "NI 43-101 Technical Report on the Mineral Resource Estimate of the El Quevar Project Salta Province, Argentina", posted on www.SEDAR.com under Argenta Silver Corp.

