



# **Technical Update**MAY 2022





## Cautionary Notes

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Readers are further cautioned that results from other companies, including properties proximal to those controlled by Golden Arrow, are not necessarily indicative of expected Golden Arrow results.

The contents of this presentation have been reviewed and approved Mr. Brian McEwen, P.Geol., VP Exploration and Development of the Company and a Qualified Person as defined in National Instrument 43-101.



#### Investment Highlights

#### **Proven Management**

Experience and success in:

- Asset transactions
- Corporate finance & capital markets
- Government & Community relations

# Strong Treasury with Equity Upside

- ~\$16M in cash & equivalents\* including a large equity holding in SSR Mining
  - a leading producer with strong upside potential, high liquidity and leverage to gold & silver

\*@ Dec 31, 2021

# Large, Active Exploration Portfolio to Maximize Growth & Discovery Potential

- NEW 100%-held copper-gold-cobalt advanced exploration project in Chile adjacent to producing & emerging mines
- Under-explored precious metal project in active mining district in Argentina
- District-scale, frontier gold opportunity in Paraguay
- Additional gold & copper exploration and project generation on-going





## A Grosso Group Member Company

- Pioneers of Exploration in Argentina since 1993
- Involved with four major discoveries
- A strong focus on community relations, social responsibility and environmental protection.



#### Chinchillas Silver Deposit -

Golden Arrow discovery Sold to SSR Mining In production since 2018

#### Amarillo Grande U-V Project

New District Discovery (Blue Sky Uranium TSX-V: BSK)

#### **Gualcamayo Gold Deposit**

Royalty sold to Yamana In production since 2009

#### Navidad Silver Deposit

Former Grosso Group interest Largest undeveloped silver deposit





## Leadership

Joseph Grosso

**EXECUTIVE CHAIRMAN, CEO & PRESIDENT** 

Nikolaos Cacos, M.I.M.

**DIRECTOR & VP, CORPORATE DEVELOPMENT** 

Darren Urquhart, C.A.

**CHIEF FINANCIAL OFFICER** 

Brian McEwen, P.Geol.

**VP, EXPLORATION & DEVELOPMENT** 

Connie Norman

**CORPORATE SECRETARY** 

David Terry, Ph.D., P.Geo.

**DIRECTOR** 

John Gammon, Ph.D.

**DIRECTOR** 

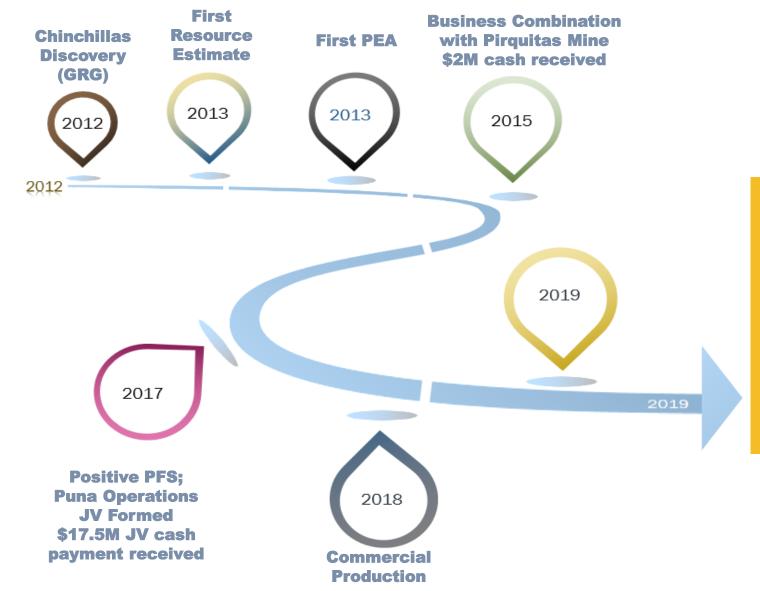
Alf Hills, P.Eng.

**DIRECTOR** 





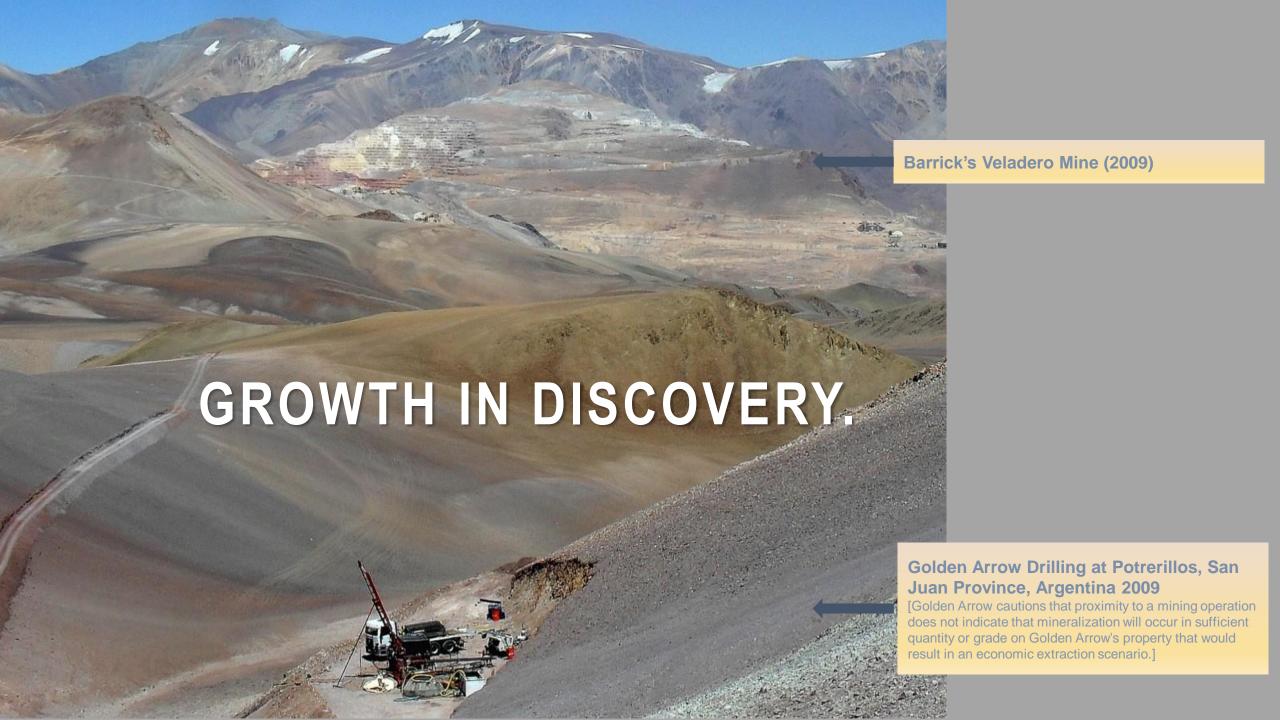
#### The Chinchillas Success Story



#### **SEPTEMBER 2019**

Sale of Interest to SSR Mining ("SSRM"), for CAD\$44M, including:

- \$3M Cash
- 1.245M common shares of SSRM
- Cancellation of \$1.0M in GRG shares held by SSRM





#### Project Pipeline

- Diversified risk profile: Precious and base metals in multiple jurisdictions
- Core Projects span the value stages:
  - Advanced projects in established mining districts target near-term resources
  - Early-stage projects provide "blue-sky" discovery potential
- Portfolio Projects marketed for joint venture to build value while GRG team advances the Core Projects









- 100% of 18,448 hectares
- Advanced targets + significant upside

A Chinchillas-style opportunity??

**SAN PIETRO** 



#### San Pietro: Tenure, Location & Infrastructure

- 100% ownership of 18,448 hectares (Exploration and exploitation concessions); No NSR
- 100 km North of Copiapo with excellent mining infrastructure
- Area hosts all major iron-copper deposits in Chile; San Pietro is between a producing operation and several mining projects
- Iron oxide-Copper-Gold (IOCG) targets, with cobalt potential; Advanced exploration with large drill database & multiple targets







#### San Pietro: Neighbours Provide Model & Synergy Opportunities

## San Pietro is situated between two Capstone Copper IOCG projects:

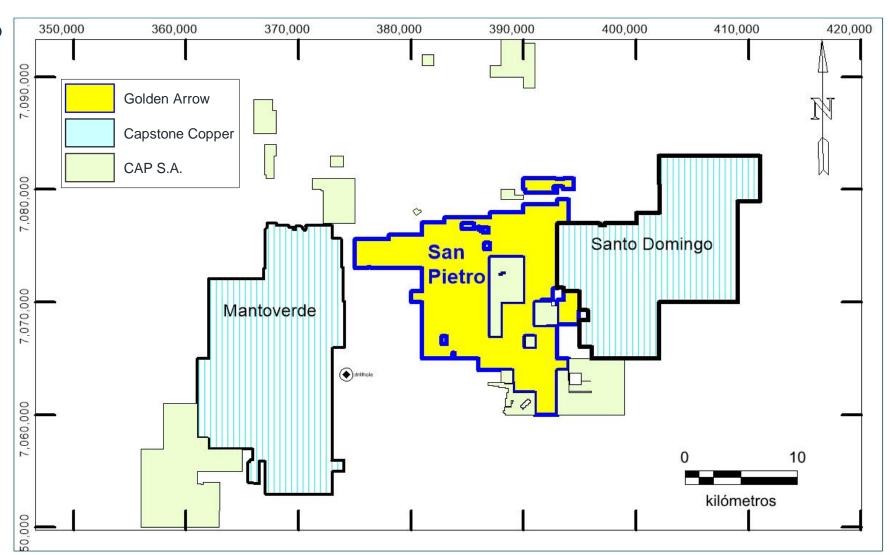
(www.capstonecopper.com)

Santo Domingo NI 43-101 M&I Resources (@Dec 31, 2020) 537Mt @ 0.3% Cu, 0.039g/t Au, 25.7% Fe & 229g/t Co

And

Mantoverde
NI 43-101 P&P Reserve
(Nov 29 2021)
235.7 Mt @ 0.6%CuS + 0.11 g/t Au
255.6 Mt @ 0.24%CuOx

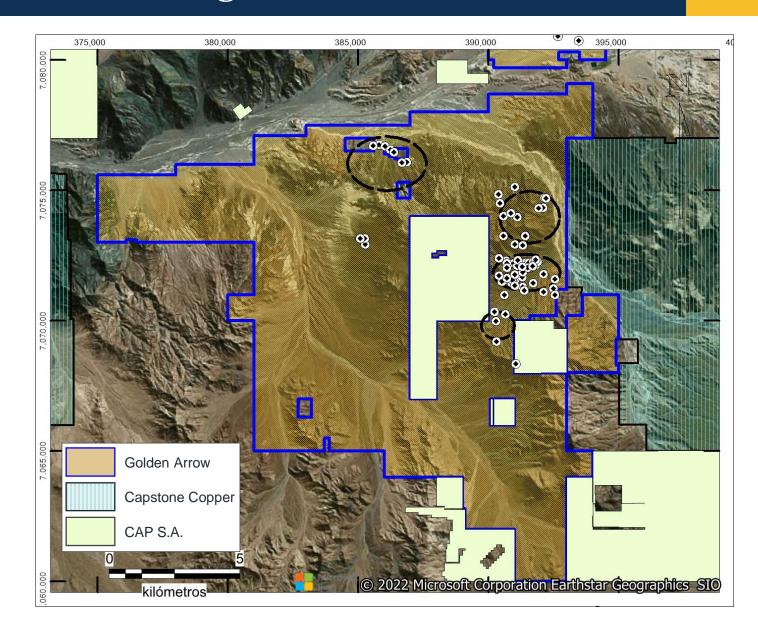
[Golden Arrow cautions that proximity to a mineral resource, deposit, or mine does not indicate that mineralization will occur on Golden Arrow's property, and if mineralization does occur, that it will occur in sufficient quantity or grade that would result in an economic extraction scenario. Note that Golden Arrow's Qualified Person has been unable to verify the above reserve information.]





#### San Pietro: Previous Work & Targets

- 4 main target areas identified to date based on extensive previous work:
  - Geological mapping
  - IP, Mag, TEM & Gravity surveys
  - +1000 rock samples
  - 34,276 metres of drilling
- Due diligence identified opportunities to hone/improve targets and advance the project:
  - Fill gaps in sampling coverage
  - Re-logging of core
  - Review and update interpretations of geology and geophysics





#### San Pietro Main Target: Rincones

- Extensive gravel cover few surface samples
- Cu hosted in specularite veins and breccias
- Has the most drilling (47 holes); Highlights include:
  28m @ 1.14 % Cu, 0.12 Au, 335ppm Co (RA-12-DH-003)
- = Near-term resource potential & upside

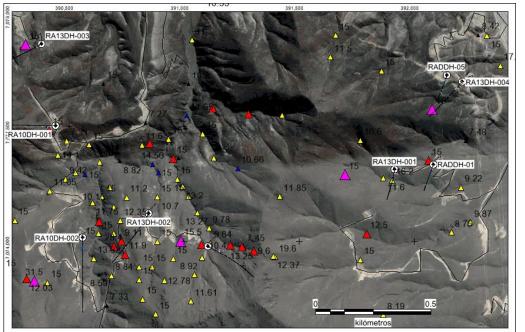


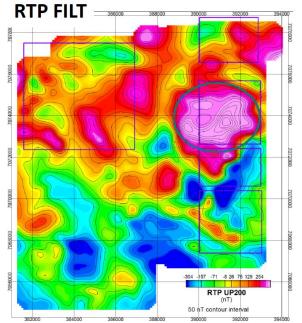


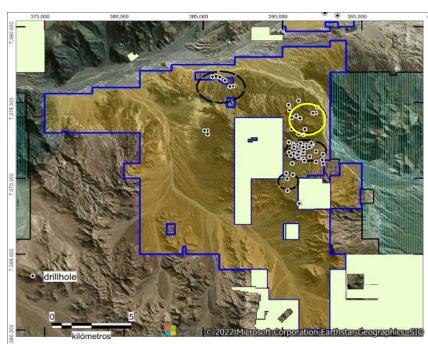


#### San Pietro Target 2: Radiss Norte

- Just north of Rincones
- Includes most surface sampling of all targets
- Drillholes drilled in different directions to intersect the various structures
- Previous geophysics suggests deeper targets





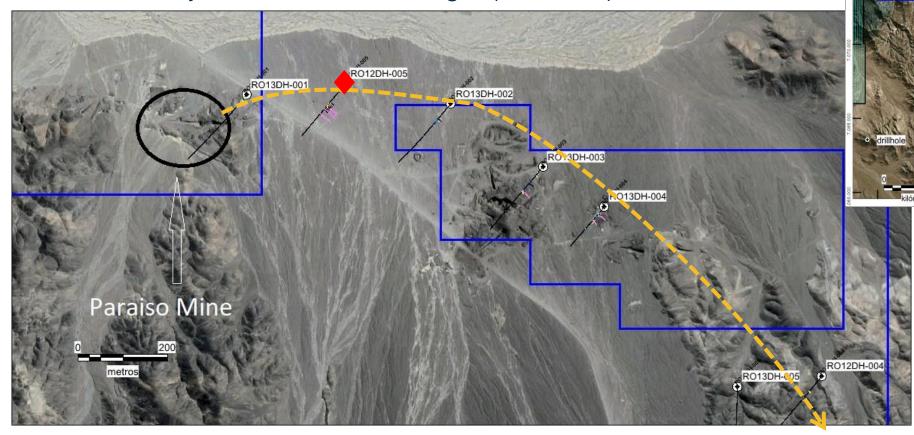


Hole	From	То	m	Cu %	Co g/t
RA-13-03	29	57	28	0.05	293
RADD-05	0	30	30	0.03	303
RA-13-004	19	29	10	0.58	128
and	69	96	27	0.38	269
RA-13-002	57	63	6	0.71	744



#### San Pietro Target 3: Rodeo

- Along same structure as small mining operations Paraiso & Rodeo
- Historic intercept of 34m @ 1.03% Cu, 334ppm Co (◆RO12-005)
- Structure may continue to Colla target (+5km SE)





#### San Pietro Target 4: Colla

- Just SW of Rincones
- Spans 2.2 km of the NW structure that may connect from Rodeo
- Tested with just 4 holes:

Hole

CO-11-DH-001

CO-11-DH-003

CO-11-DH-002

CO-12-DH-001

 High cobalt and iron assays provide additional value opportunities

From

211

229

116

36

To

221

246

148

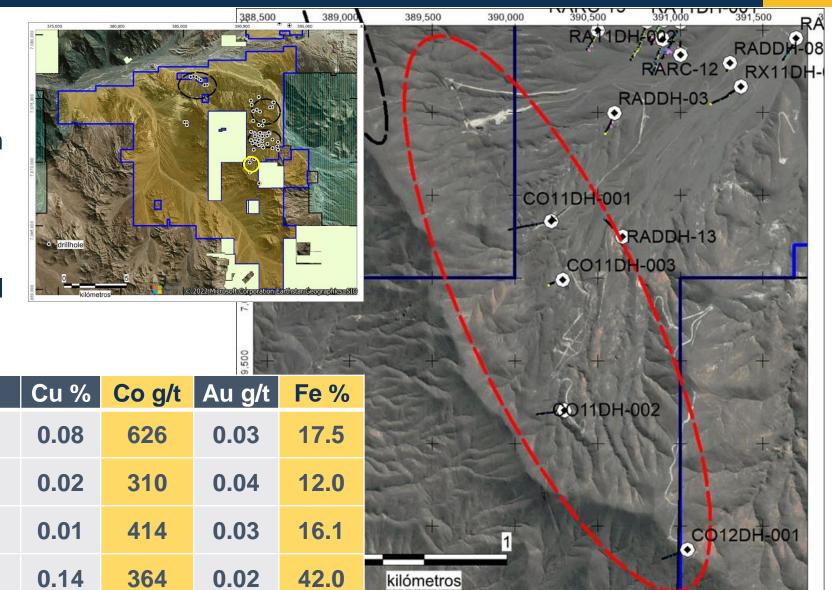
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10

17

32

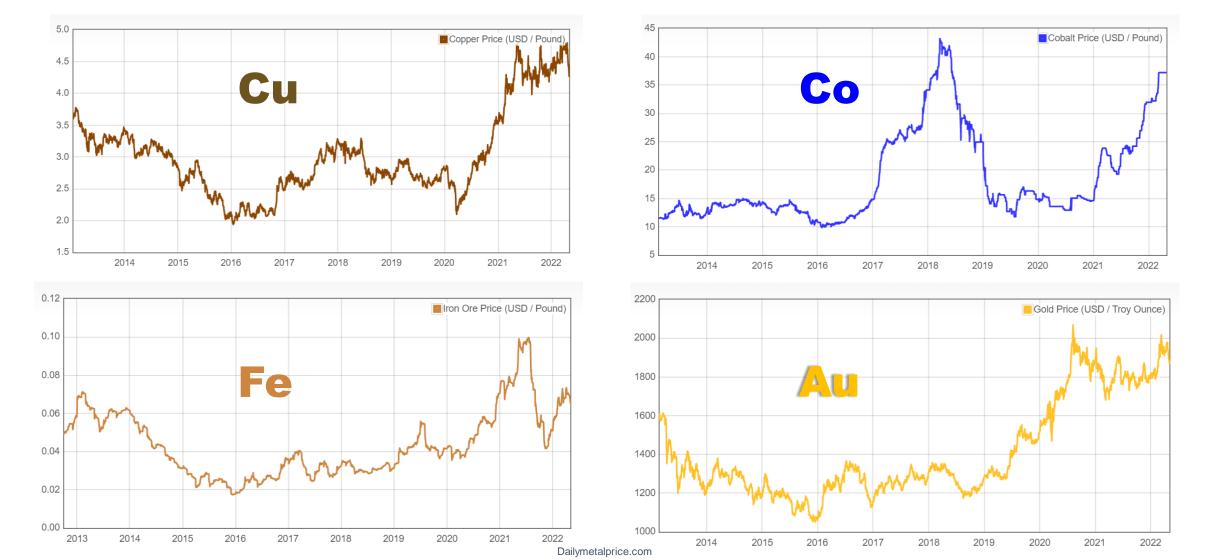
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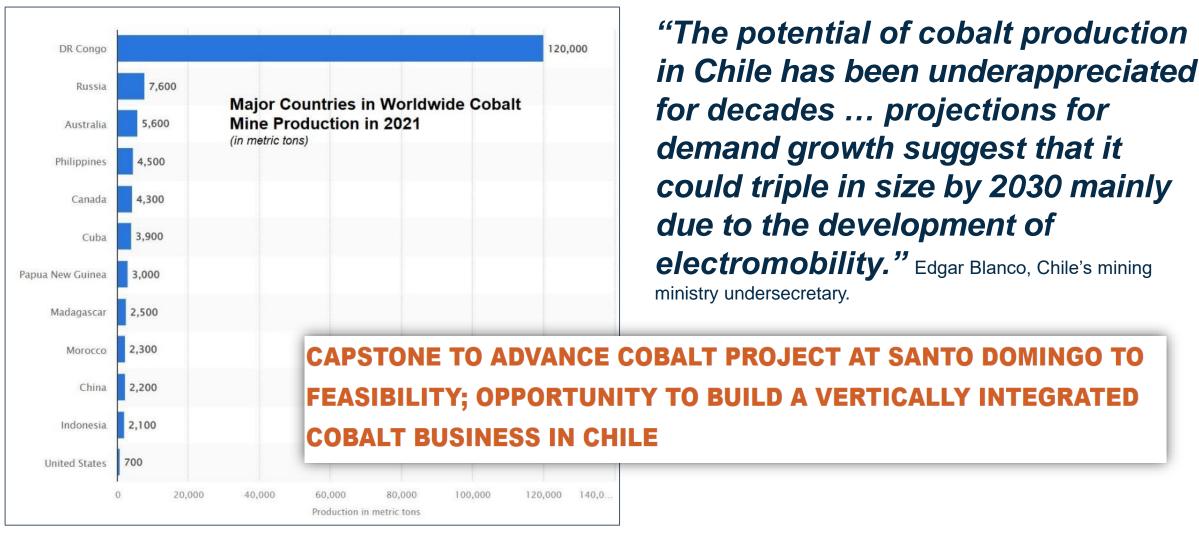
#### San Pietro: Metal Price Trends Support New Opportunity

Significant upswing in prices since last historic work (2013) & strong forecasts





## Cobalt: Li-battery Component with Limited Western Supply

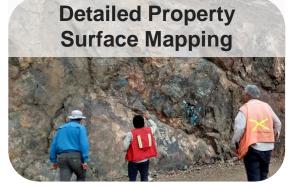


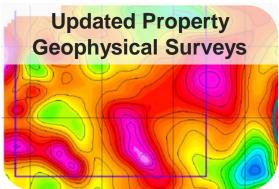
Quotes source: <a href="https://capstonecopper.com/news/news-details/2021/Capstone-to-Advance-Cobalt-Project-at-Santo-Domingo-to-Feasibility-Opportunity-to-Build-a-Vertically-Integrated-Cobalt-Business-in-Chile/default.aspx">https://capstonecopper.com/news/news-details/2021/Capstone-to-Advance-Cobalt-Project-at-Santo-Domingo-to-Feasibility-Opportunity-to-Build-a-Vertically-Integrated-Cobalt-Business-in-Chile/default.aspx</a> . Image source: Statistica.com 04/28/21



#### San Pietro Work Plan







#### **2022 Goals**

- Refine drill targets at existing prospects
- **Evaluation of full** property for additional targets

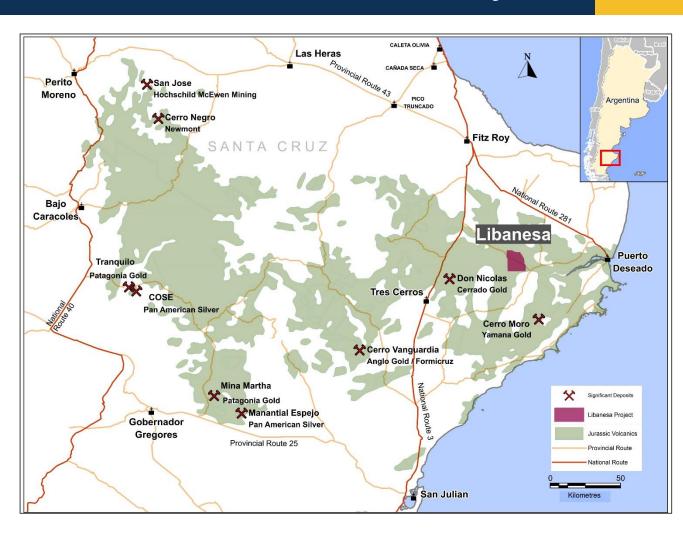
#### 2023





#### SANTA CRUZ, ARGENTINA: Libanesa Silver-Gold Project

- Option to acquire 75% interest in 145 km<sup>2</sup> of the Deseado Massif Gold-Silver metallogenic province<sup>2</sup>
- Drill permitted with diversified geological, geochemical & geophysical supported targets:
  - Principal target, Cerro Plomo: mineralized Au/Ag hydrothermal breccia exposed at surface
    - Geophysical anomalies at depth.
    - Previous trench results include:
      - 6m at 0.8 g/t Au, 243.8 g/t Ag and 0.4% Pb
      - > 10.5m at 0.98 g/t Au, 53.4 g/t Ag and 0.9% Pb
      - > 11m at 1.21 g/t Au, 13.5 g/t Ag and 1.4% Pb
  - Additional targets: Lagunita prospect rock chips up to 7.2 g/t Au.

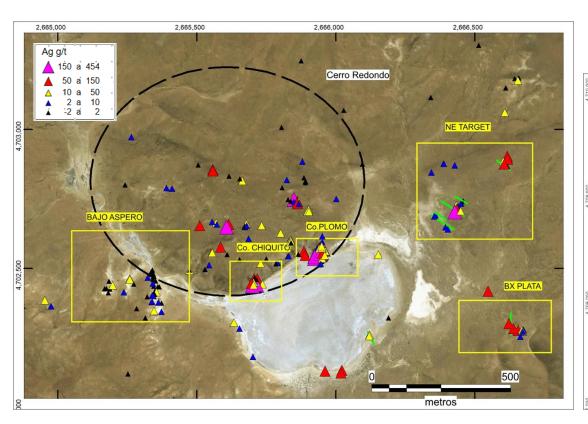


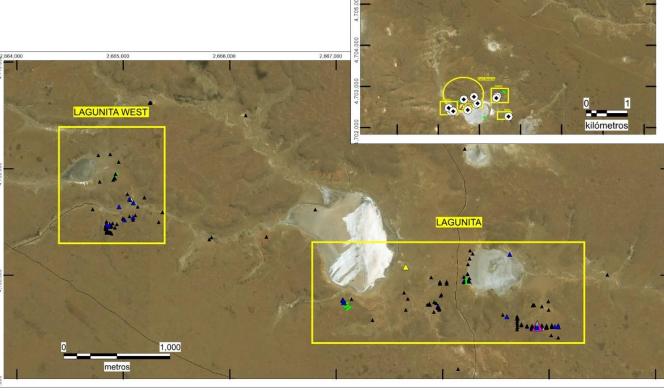
<sup>&</sup>lt;sup>2</sup> [Golden Arrow cautions that proximity to a deposit or mining operation does not indicate that mineralization will occur in sufficient quantity or grade on Golden Arrow's property that would result in an economic extraction scenario.]



## Libanesa Exploration & Drilling Program

- Trenching & surface sampling on-going to refine targets & explore property (Below left & right: rock samples results to end of February)
- +1,700 metres diamond drilling program recently completed at Cerro Redondo & Lagunita prospects; results pending (Right: preliminary plan)

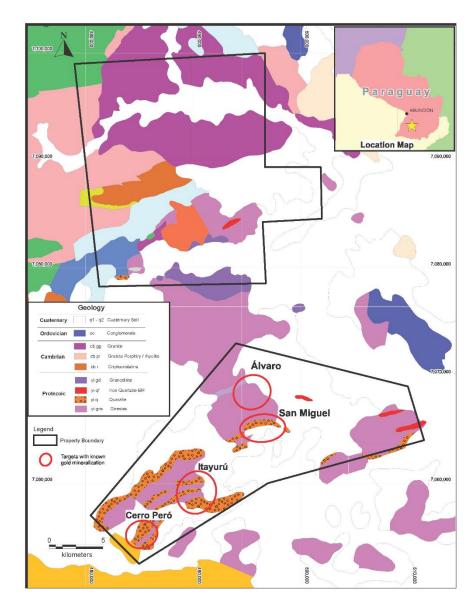






#### PARAGUAY: Tierra Dorada Gold Project

- Option to earn 100% of 64,000 ha
- Excellent Infrastructure: flat; road access; power lines
- Multiple orogenic-style, high-grade gold quartz vein targets identified in 2019-2021 programs, results include:
  - 143.5 g/t gold over 0.5m, within 6m averaging 14.53 g/t gold at 3-9m depth (DHTD18, Showing 1 Alvaro))
  - 1.58 g/t gold & 3.82 g/t gold in stream sediments at Itayurú
- ~2,000m diamond drill program recently completed at Alvaro & Itayurú targets
  - Assays & interpretations pending









#### ARGENTINA: Portfolio Highlights

## Caballos Porphyry/Epithermal Cu-Au Project

- Under Joint-Venture with Hanaq Argentina S.A.
  - Hanaq to earn 70% by spending US\$4M over 6 years
  - Guaranteed US\$500,000 in expenditures within 2 years
  - Surface program underway



#### Yanso Au Project

- 12,480 ha in five non-contiguous concessions;
   Available for option
- Gold-copper intrusive-related target with a 300 m by 90 metre zone of strong alteration coincident with gold and other geochemical anomalies

#### **Mogote Cu Project**

- 8,800 ha at the border with Chile, eastern Andes;
   Available for option
- Directly adjacent to Filo del Sol Project (www.filo-mining.com) & less than 15km from Josemaria Project (www.josemariaresources.com)
- +8,000m drilling at Mogote confirms Cu-Au, in same system as Filo del Sol deposit; remains open with potential for high-grade at depth



## **Upcoming Plans & Project Catalysts**

#### 1. San Pietro (Chile)

Detailed drill targeting & exploration program

#### 2. Libanesa (Argentina)

Final results pending from first drill program

#### 3. Tierra Dorada (Paraguay)

 Final results & interpretation of recent diamond drill program underway

#### 4. Portfolio Project Joint Ventures

#### 5. Additional Project Reviews & Acquisitions





## Capital Structure & Equity

Shares Issu	ed (@April 27, 2022)
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Warrants (avg price \$0.37)

Options (avg price \$0.46)

**Fully Diluted** 

**Recent Market Cap** 

Cash & Equivalents (@Dec 31, 2021)

Including equity holdings in SSRM

115,167,239

22,009,012

9,805,000

146,981,251

~\$21M

~\$16.0M



#### Solid Value & a Path to Growth

#### **Proven Management**

**Strong Financial Position with Equity Upside** 

**Portfolio With Growth & Discovery Potential** 

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