

# STRATEGIC OPPORTUNITY IN COPPER



**Corporate Presentation** March 2023

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The Company recognises that the term World Class is subjective and for the purpose of the Company's projects the Company considers the drilling results at the Alpala porphyry copper-gold deposit at its Cascabel project to represent intersections of a World Class deposit on the basis of comparisons with other drilling intersections from World Class deposits, some of which have become, or are becoming, producing mines and on the basis of available independent opinions which may be referenced to define the term "World Class" (or "Tier 1").

The Company considers that World Class deposits are rare, very large, long life, low cost, and are responsible for approximately half of total global metals production. World Class deposits are generally accepted as deposits of a size and quality that create multiple expansion opportunities, and have or are likely to demonstrate robust economics that ensure development irrespective of position within the global commodity cycles, or whether or not the deposit has been fully drilled out, or a feasibility study completed.

Standards drawn from industry experts (1Singer and Menzie, 2010; 2Schodde, 2006; 3Schodde and Hronsky, 2006; 4Singer, 1995; 5Laznicka, 2010) have characterised World Class deposits at prevailing commodity prices. The relevant criteria for World Class deposits, adjusted to current long run commodity prices, are considered to be those holding or likely to hold more than 5 million tonnes of copper and/or more than 6 million ounces of gold with a modelled net present value ("NPV") of greater than US\$1billion.

The Company cautions that the Cascabel project remains an early stage project at this time and there is inherent uncertainty relating to any project at prior to the determination of a feasibility study.

On this basis, reference to the Cascabel project as "World Class" (or "Tier 1") is considered to be appropriate.

#### References cited in the text:

- 1. Singer, D.A. and Menzie, W.D., 2010. Quantitative Mineral Resource Assessments: An Integrated Approach. Oxford University Press Inc.
- 2. Schodde, R., 2006. What do we mean by a world class deposit? And why are they special. Presentation. AMEC Conference, Perth.
- 3. Schodde, R and Hronsky, J.M.A, 2006. The Role of World-Class Mines in Wealth Creation. Special Publications of the Society of Economic Geologists Volume 12.
- 4. Singer, D.A., 1995, World-class base and precious metal deposits—a quantitative analysis: Economic Geology, v. 90, no.1, p. 88–104.
- 5. Laznicka, P., 2010. Giant Metallic Deposits: Future Sources of Industrial Metal, Second Edition. Springer-Verlag Heidelberg.



## **CORPORATE UPDATE**

- Cascabel consolidated with Cornerstone merger
- Scott Caldwell appointed CEO
- US\$86 million raised since November 2022 including two new strategic partners
  - US\$50 million Royalty financing with Osisko
  - US\$36 million Equity financing including Jiangxi Copper
- Ongoing Strategic Review focused on value maximization which includes evaluating and pursuing:
  - Financing alternatives
  - A spin-out of assets, other than the Cascabel Project, to shareholders
  - The direct or indirect acquisition of an interest in ENSA and/or the Cascabel Project howsoever effected
  - Any other transaction or series of related transactions



# **SOLGOLD CORPORATE SUMMARY**

# **Projects**

Large and prospective exploration portfolio with over 70 concessions across Ecuador

Cascabel<sup>1</sup> SolGold's flagship project

World-class scale and economics

**Alpala -** 2,663Mt @ 0.53% CuEq

TAM - 529Mt @ 0.36% CuEq

Porvenir<sup>2</sup> Cacharposa - 397Mt @ 0.44% CuEq

Resource upside

Contained Metal<sup>3</sup>







12.6Mt Cu 26.7Moz Au 92.2Moz Ag

# Strategy

Advancing the world-class Cascabel project and unlocking significant value for shareholders by making material discoveries



Market Cap<sup>4</sup>

Share price<sup>4</sup>

~US\$0.5b

~14.5p

Shares on issue<sup>4</sup>

Cash & Shares<sup>5</sup>

~3.0b

~US\$100m

#### Shareholders<sup>6</sup>

Former Cornerstone <sup>7</sup> + Maxit Capital	23.7%
ВНР	10.4%
Newcrest	10.3%
DGR Global	6.8%
Jiangxi Copper	5.2%
Tenstar Trading Limited	4.0%
Nick Mather (Director)	3.0%
Other	36.6%



# **SOLGOLD POSITIONED TO MEET RISING COPPER DEMAND**

### Cascabel is a Tier 1 Project

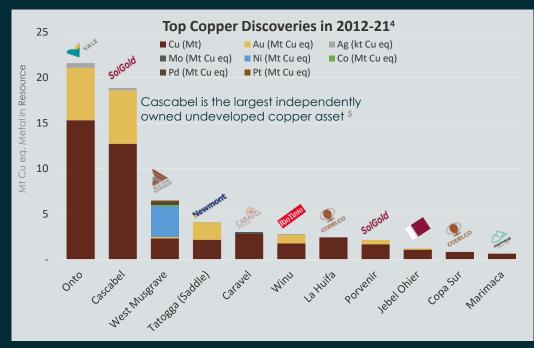
- Attractive economics:
  - US\$2.9bn NPV and 19.3% IRR post tax (US\$3.60/lb Cu) $^{1}$
- Large: 25 Mtpa throughput, >330ktpa CuEq (first 5 years post ramp-up)<sup>2</sup>
- First decile cost: Negative US\$(1.38)/lb Cu AISC (first 5 years post ramp-up)<sup>3</sup>
- Scalable: 26-year initial project life from just 21% of M&I resource
- Prudently advancing and de-risking Cascabel

#### Exploration Portfolio = Upside Potential Beyond Cascabel

- Large tenement holder in Ecuador of highly prospective projects
- Disciplined approach to advance highest priority exploration targets applying SolGold's proven exploration methodology

## Cornerstone Merger Consolidates 100% of Cascabel

- Simplified structure enhances strategic opportunities
- Expanded exploration portfolio
- Combined company well positioned to re-rate over time



- The Alpala deposit at Cascabel is one of the most significant copper-gold discoveries in the past decade
- Cascabel contains >20% and ~16% of total copper and gold in new major deposit discoveries in the last ten years (2012-21) 6



## **2023 PRIORITIES**

#### ADVANCING AND DE-RISKING CASCABEL

- Continued de-risking of Cascabel
  - Permitting / ESIA
  - Right of ways / land purchases
  - Community relocation
  - Exploitation agreement / Investment Protection Agreement
  - Process plant design optimization
  - Metallurgical test work
- Exploring for resource potential at Cascabel beyond Alpala

#### APPLYING EXPLORATION BLUEPRINT – CREATING VALUE THROUGH REGIONAL EXPLORATION

- Focus on prudently advancing top ranked priority targets:
  - Porvenir
  - Rio Amarillo
  - Helipuerto
- Expand fieldwork at other priority exploration projects
- Continue social and environmental initiatives across concessions
- Evaluation of targets from Cornerstone



## **ECUADOR – A NEW COPPER FRONTIER**

- Highly prospective underexplored geological terrain
- Presence of major mining companies and growing investment
- Mining growth will offset declining Oil & Gas sector
- Dollarized economy and low inflation rate
- 10 years in Ecuador: SolGold built strong community partnerships

#### SUPPORTIVE AND MINING-FRIENDLY GOVERNMENT

- Mining development seen as critical for Ecuador's economic revitalisation
- Fraser Institute's Mining Attractiveness Index ranked Ecuador 24<sup>th</sup> (out of 84) in 2021, up from 58<sup>th</sup> (out of 77) in 2020
  - Highest LatAm country ranking
- Cascabel Investment Protection Agreement signed November 2021





## **ECUADOR – A NEW COPPER FRONTIER**

#### **Numerous Mining Companies in Ecuador**































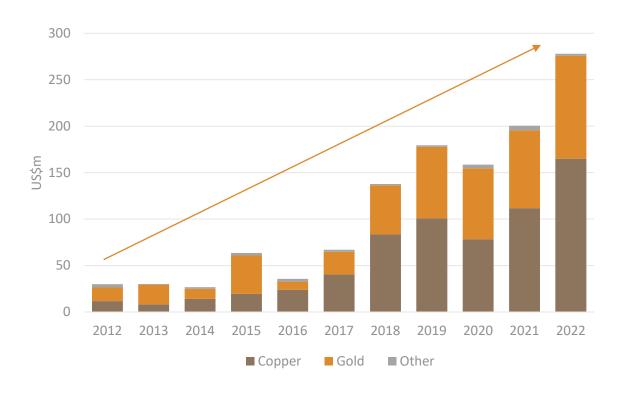








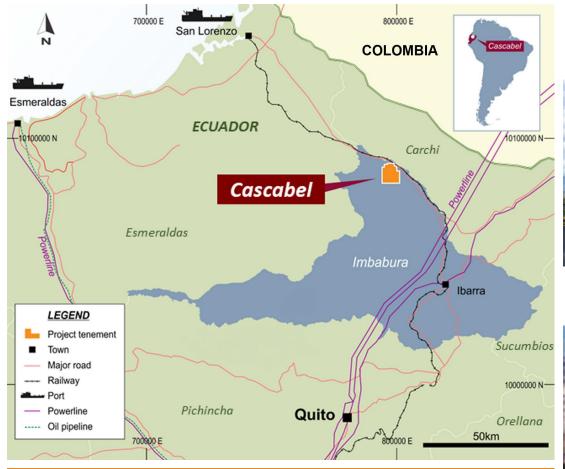
#### Rising Ecuador Exploration Spending <sup>1</sup>





# **ADVANTAGEOUS LOCATION ACCESSING EXISTING INFRASTRUCTURE**

#### POSITIVE & SUPPORTIVE JURISDICTION WITH SIGNIFICANT EXISTING INFRASTRUCTURE CAPABLE OF FAST-TRACKING DEVELOPMENT



Road
~3-hour drive from Quito on multi-lane highways



Port Esmeraldas port (180km)



Power
International hydro power network
(30km away)



Water Self-contained



Logistic advantages = CAPEX savings



# CASCABEL PROJECT DELIVERS STRONG ECONOMICS

PFS Key Parameters	Base Case			
Initial project life & Throughput	26 years @ 25 Mtpa			
Projected capital (pre-production)	US\$2.7 bn			
Average copper / gold / silver grade	0.58% / 0.52 g/t / 1.65 g/t			
Average copper / gold / silver recovery <sup>3</sup>	87.1% / 72.1% / 65.7%			
Total copper / gold / silver produced	2.8Mt / 7.6 Moz / 21.7 Moz			
Annual CuEq production (peak/average) <sup>4, 5, 6</sup>	391 kt / 212 kt			
Annual copper production (peak/average) <sup>5, 6</sup>	210 kt / 132 kt			
Annual gold production (peak/average) <sup>5, 6</sup>	829 koz / 358 koz			
Annual silver production (peak/average) <sup>5, 6</sup>	1.4 Moz / 1.0 Moz	Leveraged to strong copper prices		
Copper Price	<b>Base Case ¹</b> (C∪ \$3.60)	<b>AET-2</b> <sup>2</sup> (C∪ \$4.20)		
Pre-Tax / After-tax NPV (8%)	US\$5.2 bn / US\$2.9 bn	US\$6.9 bn / US\$3.8 bn		
Pre-Tax / After-tax IRR	25.3% / 19.3%	28.8% / 22.2%		
Payback period	4.7 years	4.3 years		
Total after-tax free cash flow generation	US\$14.4 bn	US\$16.1 bn		
Average net cash cost	US\$(0.40) /lb Cu	US\$(0.66) /lb Cu		
Average AISC	US\$0.06 /lb Cu	US\$(0.20) /lb Cu		

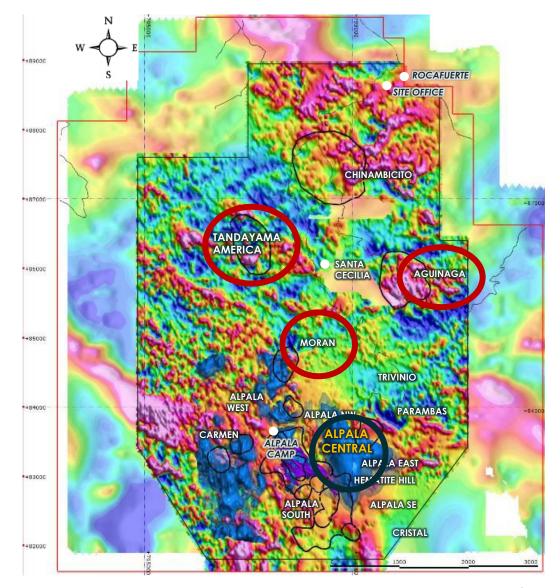


# CASCABEL POTENTIAL BEYOND ALPALA

- State of the art magnetic modelling identifies where the porphyries lie:
  - Extensive Airborne Magnetics
  - 3D models calibrated to drill cores
  - 3D Ground Magnetic Data

#### Resource Potential at Cascabel Beyond Alpala UG

- Alpala extensions: assessment of potential near-surface mining options to the Alpala deposit
- Resource potential at satellite targets on the Cascabel concession, including Tandayama-America, Aguinaga and Moran





## **ECUADOR EXPLORATION PORTFOLIO**

SOLGOLD HAS BEEN IN ECUADOR FOR A DECADE, EXPLORING THE COUNTRY'S UNTAPPED GEOLOGICAL POTENTIAL WITH STRONG SUPPORT FROM ALL LEVELS OF GOVERNMENT AS WELL AS LOCAL COMMUNITIES

#### APPLYING THE SOLGOLD METHODOLOGY

- Early mover advantage and large concession holder in Ecuador with +70 concessions
- Highly prospective pipeline of exploration projects
- Targeted exploration strategy yielding results
- Extensive and systematic exploration field programmes ranking highest priority drill targets
- Focused on prudently advancing top-ranked high priority targets:
  - Porvenir
  - Rio Amarillo
  - Helipuerto
- Bramaderos JV with Sunstone Metals 12.5% carried to production



## **SOLGOLD'S SUSTAINABILITY APPROACH**

#### **OUR STAKEHOLDERS AND PRIORITIES:**



**SOLGOLD IS A SIGNATORY TO THE UN** GLOBAL COMPACT AND COMMITTED TO ADVANCING THE UN SUSTAINABLE **DEVELOPMENT GOALS** 







**Health & Safety Performance** 

Safety is at the core of our business. 2022 TRIFR was 4.33  $(2021: 9.60)^{1}$ 



**Diversity & Inclusion Programmes** 

Zero tolerance for discrimination. Actively involved with Women in Mining Ecuador



US\$820,256 Socio-**Economic Investment** 

Committed to improving the lives of people living in our communities (2021: US\$573,994)



**Local Suppliers** 

Creating opportunities for community members for sustainable initiatives



Responsible Use of **Energy** 

Scope 1 and scope 2 emissions decreased to 2,180MtCO<sub>2</sub>e in 2022. (2021: 5,276 MtCO<sub>2</sub>e)



**Responsible Use of** Water

Total water withdrawal per 1,000 m<sup>3</sup> in 2022 was 61.54m<sup>3</sup> (2021: 85.89 m<sup>3</sup>)



# BUILDING PARTNERSHIPS ON WHAT MATTERS TO OUR LOCAL COMMUNITIES











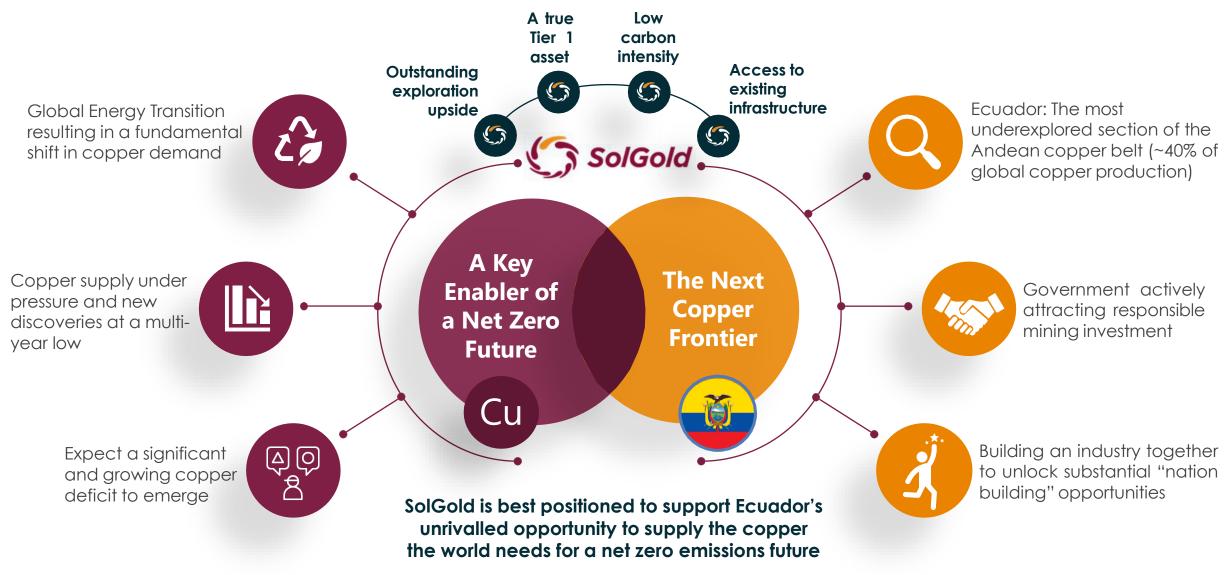








## SUPPORTING ECUADOR IN ENABLING A NET ZERO FUTURE





# **RECENT ANALYST COVERAGE**

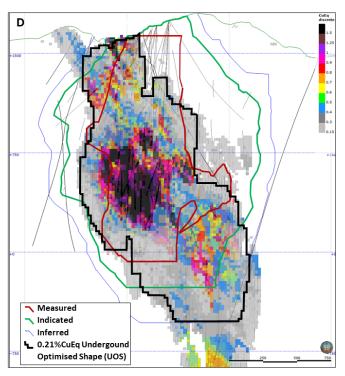
BROKER <sup>1</sup>	ANALYST	TARGET PRICE
Hannam & Partners	Roger Bell	85p
BofA Securities	Jason Fairclough	75p
Cantor Fitzgerald	Matt O'Keefe	C\$1.10/70p
Peel Hunt	Tim Huff	65p
Clarksons Securities	Bendik Nyttingnes	36p
MEDIAN		70p





# **UPSIDE TO INITIAL ALPALA MINERAL RESERVE ESTIMATE**

- State-of-the-art block caving operation targeting the higher grade section of the deposit and initial Mineral Reserve of 558Mt at 0.58% Cu, 0.52 g/t Au
- Represents only 21% of M&I Resources and 38% of contained metal
- Resources outside of the initial Reserve are not sterilised



Alpala Mineral Resource Statement <sup>1</sup>										
Cut-off grade	Mineral Resource category	Mt	Grade				Contained metal			
			CuEq (%)	Cu (%)	Au (g/t)	Ag (g/t)	CuEq (Mt)	Cu (Mt)	Au (Moz)	Ag (Moz)
0.21%	Measured	1,192	0.72	0.48	0.39	1.37	8.6	5.7	15.0	52.4
	Indicated	1,470	0.37	0.28	0.14	0.84	5.5	4.2	6.6	39.8
	Measured + Indicated	2,663	0.53	0.37	0.25	1.08	14.0	9.9	21.7	92.2
	Inferred	544	0.31	0.24	0.11	0.61	1.7	1.3	1.9	10.6
	Planned dilution	5	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0

Alpala Mineral Reserve <sup>1, 2</sup>								
Ore Reserve category	Mt		Grade		Contained metal			
		Cu (%)	Αυ (g/t)	Ag (g/t)	Cu (Mt)	Au (Moz)	Ag (Moz)	
Probable	558	0.58	0.52	1.65	3.26	9.37	30	
Total	558	0.58	0.52	1.65	3.26	9.37	30	



#### **FOOTNOTES**

#### Slide 4

- 1. Cascabel Project NI 43-101 Technical Report on Pre-Feasibility Study
- 2. Porvenir MRE NI 43-101 Technical Report
- SolGold total consolidated contained metal in Measured plus Indicated categories
- 4. As at 27 February 2023
- 5. US\$77m cash as at 31 December 2022 plus the market value of 157.1 million shares held by SolGold's wholly-owned subsidiary Cornerstone Capital Resources Inc. ("Cornerstone Block")
- 6. Estimated shareholdings as of 27 February 2023
- 7. Shown inclusive of Cornerstone Block

#### Slide 5

- 1. Based on long-term commodity price assumptions of US\$3.60 /lb for copper, US\$1,700 /oz for gold and US\$19.9 /oz for silver and 8% (Real) discount rate.
- 2. CuEq production = Recovered Cu tonnes + (Au Price US\$/oz) / (Cu Price US\$/t) x (Recovered + doré gold ounces) + (Ag Price US\$/oz) / (Cu Price US\$/t) x (Recovered + doré silver ounces).
- 3. Wood Mackenzie, 2032 Total Cash Cost including by-product contribution
- 4. Source: S&P Global Market Intelligence
- 5. Unsanctioned major copper discoveries in 2012-21. Cascabel includes Alpala and Tandayama-America deposits
- 6. Cascabel includes Alpala and Tandayama-America. Major new copper discoveries in 2012-21: 60.5Mt, gold in 2012-21: 171.8Moz, total contained in M&I&I resource. Source: S&P Global Market Intelligence

#### Slide 8

1. S&P Global Market Intelligence

#### Slide 10

- Long-term commodity price assumptions of US\$3.60 /lb for copper, US\$1,700 /oz for gold and US\$19.9
  /oz for silver.
- Wood Mackenzie Accelerated Energy Transition (2 degrees) long-term copper price forecast of US\$4.20/lb. Assuming spot price for gold and silver.
- 3. Average recovery to concentrate
- 4. CuEq production = Recovered Cu tonnes + (Au Price US\$/oz) / (Cu Price US\$/t) x (Recovered + doré gold ounces) + (Ag Price US\$/oz) / (Cu Price US\$/t) x (Recovered + doré silver ounces).
- 5. Peak production in year 5 from start of production. Gold and silver include doré.
- 6. Average based on years 4 22 at full nameplate capacity. Gold and silver include doré.

#### Slide 13

1. TRIFR: Total Recordable Injury Frequency Rate defined as the number of fatalities, lost time injuries, alternate work and other injuries requiring medical treatment per million work hours. Calculated as the number of incidents divided by the number of hours worked, multiplied by 1,000,000.

#### Slide 16

1. Based on broker coverage in the last 6 months.



#### Slide 18

- 1. Cascabel Project NI 43-101 Technical Report on Pre-Feasibility Study
- Mineral Reserve Estimate as of 31 March 2022 for Alpala was independently verified by Aaron Spong FAUSIMM CP (Min) who is a full-time employee of Mining Plus. Mr Spong fulfils the requirements to be a "Qualified Person" for the purposes of NI 43-101 and is the Qualified Person under NI 43-101 for the Mineral Reserve

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