CODELCO

## **CODELCO** INVESTOR PRESENTATION

### **DECEMBER 2019**





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As an industry standard, Codelco divides its mineral holdings into two categories, reserves and resources. Resources are ore bodies of economic value that have been identified and evaluated through exploration, reconnaissance and sampling. Reserves are the portion of the resource that can be extracted based on an economic, environmental and technological analysis set forth in the mining plan. Reserves and resources are both subdivided further, based on the degree of knowledge that Codelco has of their extent and composition. The system used by Codelco for categorizing mineral ore is according to the Chilean law (N° 20.235), which is in accordance with other systems widely used within the mining industry. The "Comisión Calificadora de Competencias en Recursos y Reservas Mineras" is the independent Chilean entity who regulates this and it is part of the Committee for Mineral Reserves International Reporting Standards (CRISCO).

The non-GAAP financial measures included in this presentation (including, without limitation, Adjusted EBIT, Adjusted EBITDA, cash cost, total costs and expenses and financial debt) are not GAAP measures of our liquidity and operating performance and should not be considered alternatives to cash flow from operating activities as a measure of liquidity or net income or operating income as measures of operating performance or any other measure derived in accordance with GAAP. The Company has prepared reconciliations of comparable GAAP to Non-GAAP measures in tables included at the end of this presentation.



## **Codelco at a glance**

worldwide<sup>1</sup> copper producer

& 2<sup>nd</sup> moly producer

6%

proved and probable world's copper reserves



st

Mining centers directly operated Two additional mines with minority stakes

8

million metric tons copper production<sup>2</sup>

# A+/A3

top rated mining company



owned by the Republic of Chile (A+/A1/A)

<sup>1</sup> According to 2018 production
 <sup>2</sup> 2018 year-end production includes El Abra and Anglo American Sur attributable production to Codelco's share

## **Current operations**

First-nine months 2019 copper production and C1 cash cost







## **Recent highlights**



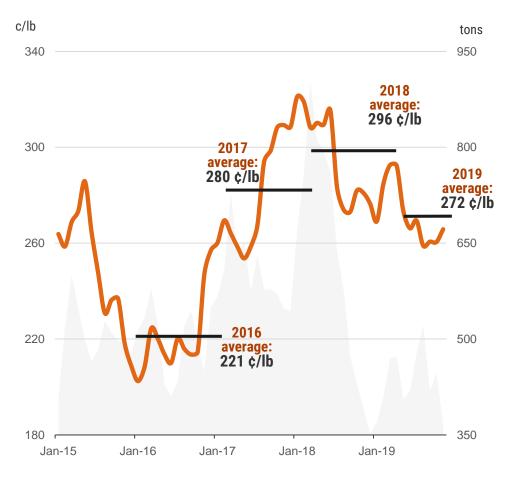
- Strong owner support. US\$1 billion capital injection completed in Feb-2019
- Chuquicamata Underground ramp-up began on April 30<sup>th</sup>
- Production decreased to 1,209 kt during first-nine months 2019 (-6.7% YoY) because of unexpected events
- 9 collective bargaining agreements achieved in 2019
- Repeal of the Copper Reserve Law. 10% Specific Export Tax will gradually decline from 2029 to 2032
- **Divestment of 37% equity stake in GNLM** for US\$193.5m
- New CEO. Octavio Araneda, 33+ years in Codelco, took charge in Sep-2019
- Transformation plan. In Nov-2019, Codelco released a plan with cost savings targets of \$1B+ in annual Opex and \$8B+ in Capex

## Copper Market Main Drivers: Short and Long Term Views

# Changing global growth expectations have created price volatility



#### 2015-2019 copper price and stocks\*



#### **Short-term drivers**

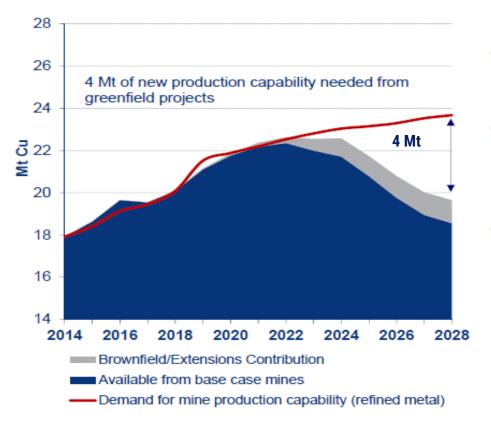
- Trade war impacting global growth
- Policy and economy uncertainties in Europe, Asia and USA
- Real vs. expected production disruptions
- Low interest rate environment and Dollar strength
- Mixed sentiments driving financial investment decisions

\* Data until 11/30/2019; London Metal Exchange

## New projects would not be enough...

Even in a longer period of time

### **Copper production and demand gap**



- Projects need to fill a 4 Mt demand
  gap, but there are few 'probable' ones
- Even developing all 'probable' projects, would not be sufficient to close the gap
- Despite the pipeline of 'possible' projects, incentives should improve to encourage companies to develop them

#### Projects need to be developed now in order to close the gap.

Source: Wood Mackenzie

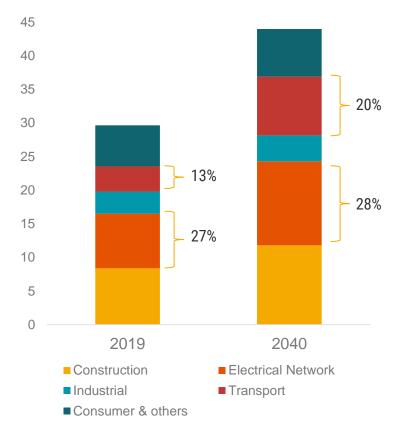
# Demand projections reflect stable long-term growth



#### Refined Consumption by Region



#### Total Consumption by Industry Sector (Mtons)



Source: Wood Mackenzie.

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## **Chile: Current Context** Recent Developments of the Wave of Protests

# Frequency, scope and intensity of events have declined

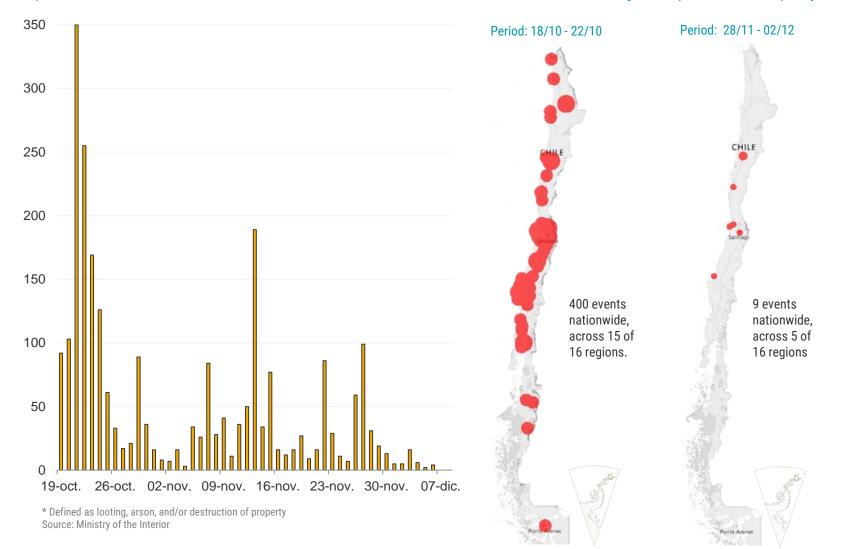


**Reported Events Across the Country** 

Cases of arson &/or looting, size of points reflects frequency.

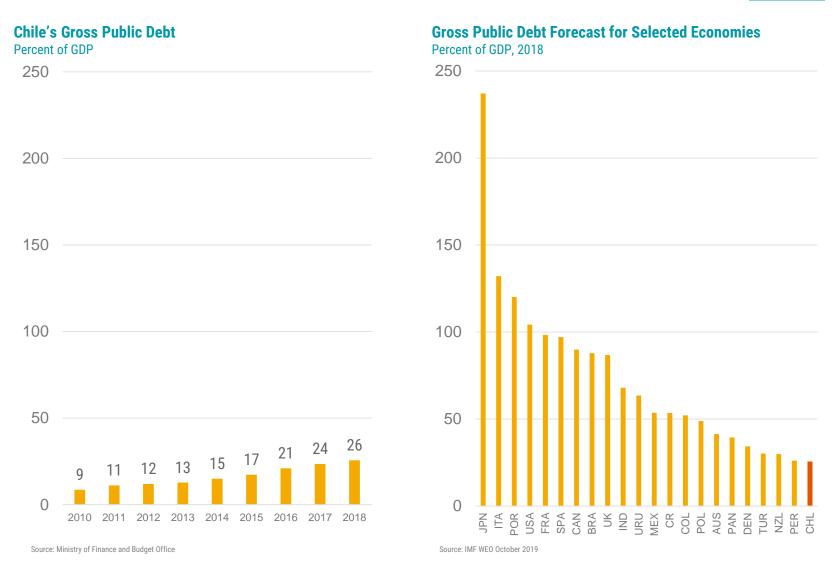
#### Number of Severe Events in Chile\*

Reported between October 19th – December 8th 2019



## Public debt is well below that of other countries in Latin America and other regions





## Sovereign Wealth Funds provide an important buffer



#### **Economic and Social Stabilization Fund (FEES)**

- Established in 2007, the FEES is designed to complement the structural balance rule providing the government with financing needs throughout the cycle
- The FEES is invested primarily in highly liquid assets with low levels of credit risk

#### **Pension Reserve Fund (FRP)**

- Created in 2006 to support state-financed pensions and old-age benefits over time
- New investment policy aims to obtain an annualized expected return in Chilean pesos of at least 2% above inflation in a ten-year horizon with at least a 60% probability

#### Sovereign Wealth Funds (SWF)

Total Assets as a Percent of GDP



## Codelco: Recent Performance Focus on Cost and Productivity

## Lower production and prices impacted results in the first nine months of 2019



		Septemb	oer 30,	Change
		2018	2019	
Copper Production <sup>1</sup>	kton	1,296	1,209	(6.7)%
LME Copper Price	Ot /n own d	301.3	274.0	(9.0)%
Cash Cost <sup>2</sup>	S¢/pound	138.9	143.1	3.0%
Total Revenues	US\$ million	\$10,772	\$8,808	(18.2)%
Gross Profit		\$2,414	\$1,552	(35.7)%
EBITDA <sup>3</sup>		\$3,544	\$2,553	(28.0)%
EBITDA Margin	%	32.9 29.0		(3.9)
Net Financial Debt <sup>4</sup>	US\$ million	\$12,945	\$14,486	11.9%
Net Financial Debt/LTM EBITDA	times	2.3	3.9	1.6

1) Includes El Abra and Anglo American Sur attributable production to Codelco's share

2) Expressed per unit of production. It includes all cash expenses of production net of the revenues from by-products

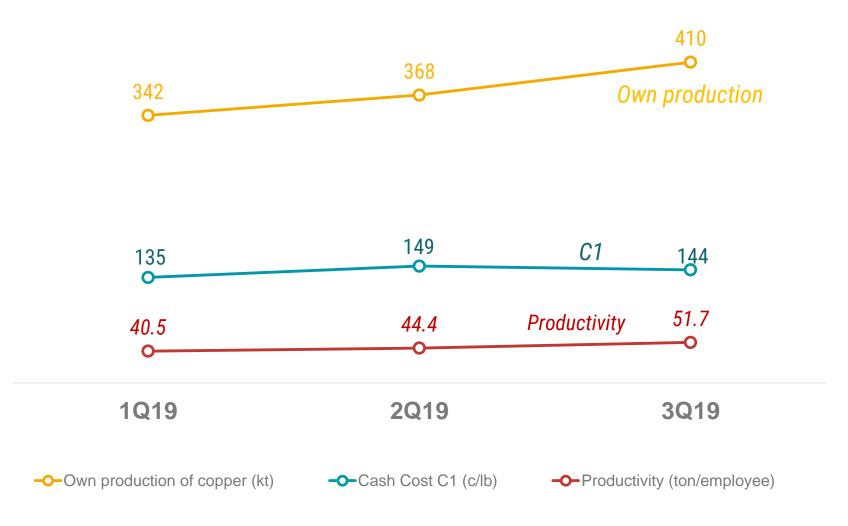
3) Calculated as Net Profit plus Taxes (includes export tax), Finance Cost, and Depreciation and Amortization; does not consider impairments or other non-cash charges

4) Net Financial Debt includes bank debt and bonds less cash and equivalents

# Third quarter production figures left behind the impact of a weak 1H19



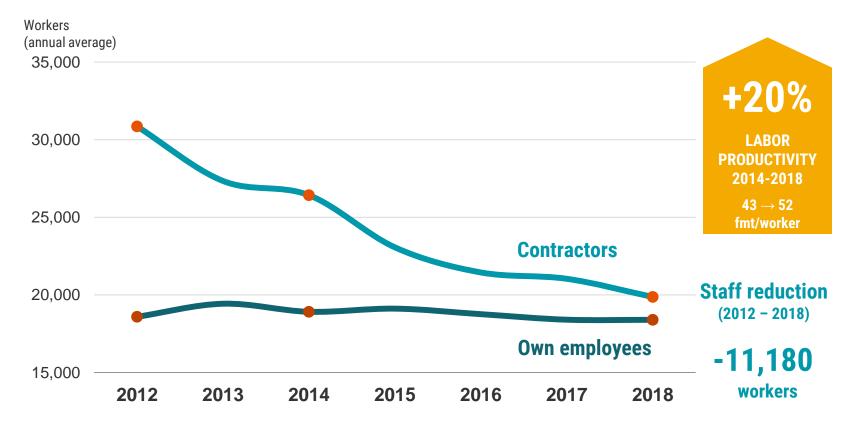
Production is returning to historical levels



## We successfully increased productivity in the past few years

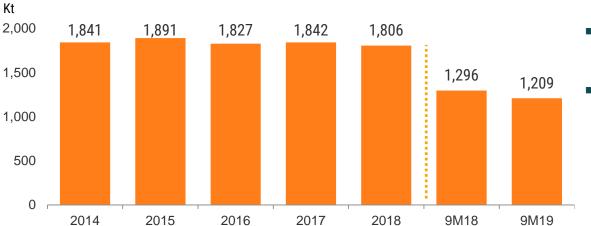


### **Operational Staff**

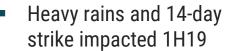


## The increase in productivity has compensated lower ore grades



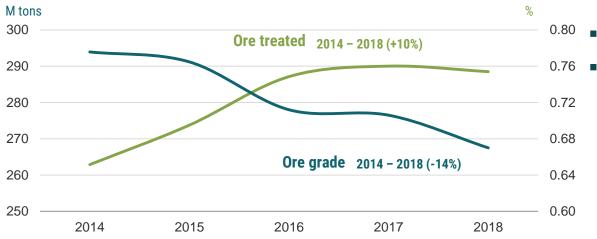


#### **Total production**



 3Q19 already showed an upward trend

#### Ore grade vs. Ore treated



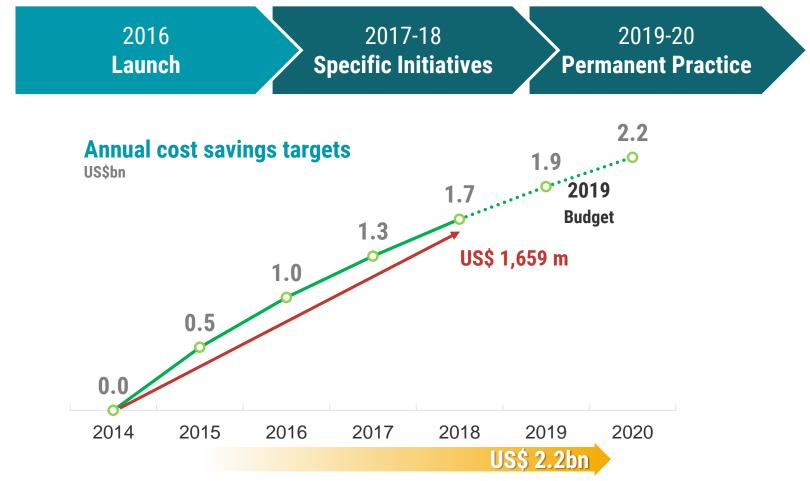
- Deposits deterioration
- Higher productivity / New workers profile

## Transformation Plan Pillars and Goals

## The plan launched in 2016 is reaching its end, with good results



### **Three-stage program to improve performance**

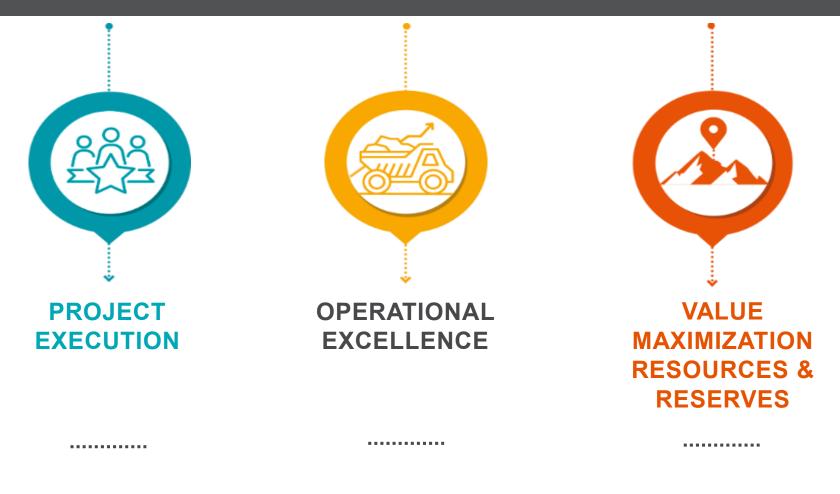


Cost savings as compared to 2016 Business Plan, except 2015 which is compared to the year's Budget.

## **Recently announced Transformation plan**



#### PILLARS OF THE TRANSFORMATION PLAN



## The Transformation plan targets savings of \$1B+ in Opex and \$8B+ in Capex



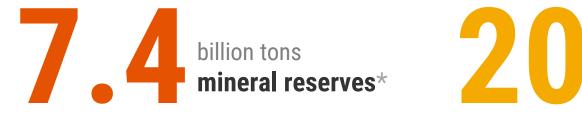


The plan targets to position Codelco in the second quartile of the global cash cost curve and optimize the development of our structural projects

## Looking Ahead Structural Projects and Current Challenges

### **Codelco's project portfolio rests upon a vast, high-quality resource base, ensuring a long life**









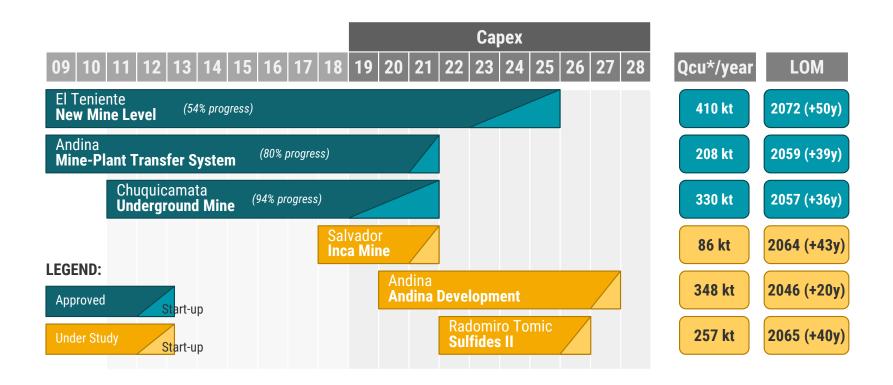
### We need to execute the project pipeline to materialize this opportunity

\*Includes contribution from subsidiaries. Resource base disclosed in annual report 2018

### **Codelco's project portfolio lengthens the life of mines of its main operations up to 50 years**



Construction and start-up periods



#### Codelco's total own production remains stable at current levels

\* Future project production is calculated as the annual average production until 2044. Project construction progress as of September 30, 2019

## We develop our investment program following our strategic priorities



### Focus on copper mining business in Chile



- Cost efficiency in project development and operations
- Sustainability as a key driver of our business decisions
- Emphasis on Innovation efforts and accelerate Digital Transformation

## Sustainability is a key driver of our decisions



ESG standards integrate our short and long term commitments



**Water Efficiency** Water reduction per treated ton and desalinization plant



**Traceability** Reach 100% traceability by 2022



**Tailings Dams** Governance with highest industry standards



**Decarbonization** Modifying energy contracts adding renewal energies



**Emissions** Improved smelters captures of sulfur dioxide and arsenic



**People** 100% Gender equality and work life balance



**Communities & Territories** Indigenous people corporate policy implementation



**Responsible Sourcing** International environmental and safety standards

### Safety metrics maintain a downward trend



- Accident Severity Rate decreased significantly compared to the same period of last year
- Accident Frequency Rate has maintained a downward trend in recent years with a 18% improvement compared to December 2018
- We regret that we had one fatal accident in 2019

#### Severity Rate - Own Staff & Contractors

(Days lost & days charged / Million hours worked)



### Frequency Rate – Own Staff & Contractors

(Lost time injury / Million hours worked)



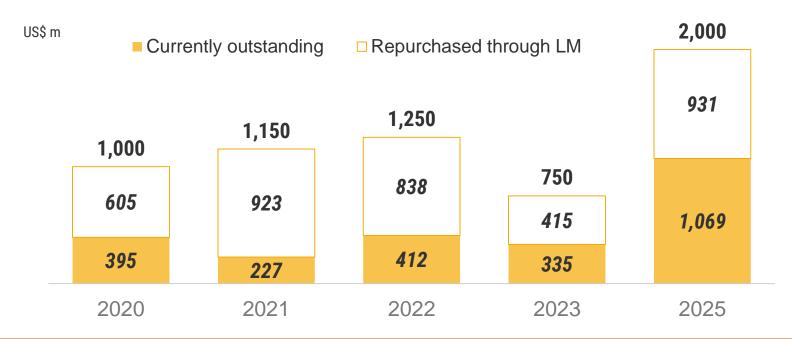
\*Both metrics as of Sep-2019

## Balance Sheet Strength Supports our Strategic Priorities

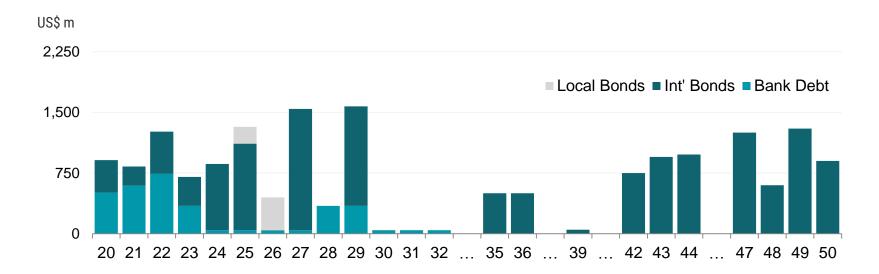
## **Executed liability management exercises to optimize our debt profile**



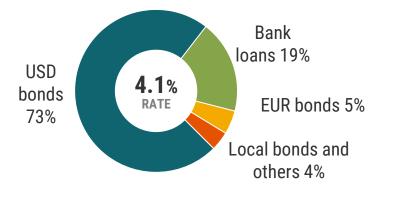
- Four successful debt capital market transactions in the last three years that raised US\$ 6.65B (144A-Reg S & Formosa)
- **Repurchased US\$ 4.05B** of higher coupon short-term bonds
- Achieved record low yields in recent issuance at 3.0% (10y) and 3.7% (30y)



## Debt maturities consistent with our projects' production profile



Sources of funding (US\$17.5B)



#### **Planned next steps**

- Keep diversifying sources of funding by accessing new markets and investors
- Maintain an active management of debt maturity profile
- Divestment of non-core assets (GNLM US\$193.5m)

<sup>1</sup> As of Sep 30, 2019, includes bank debt and bonds

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### Strong government support



 Government capitalized CODELCO with US\$3.3B between 2014 and 2019, reflecting the owner commitment to the development plan and contributing to maintain our competitive financing costs

US\$ m	Authorized	2014	2015	2016	2017	2018	2019	Total
Capital injection	3,000	-	600	500	520	600	400	2,620
Retained Earnings	1,000	200	-	-	-	-	-	200
Total (US\$m)	4,000	200	600	500	520	600	400	2,820
Other Cap. Inj.	950	-	-	-	475	-	-	475





- 1. We believe in **copper as a key element** for industrial, technological and human development in the world
- 2. Therefore, Codelco's Structural Projects **competitively contribute to the supply of copper** in the short, medium and long-term
- 3. The projects are **well on track**, with Chuquicamata Underground under operation, as planned
- 4. Productivity and **cost management** are installed as the cornerstone of the organization culture
- 5. Flexible and strong balance sheet focus
- 6. Committed to producing with higher standards





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