

## INVESTOR UPDATE OCTOBER 2018

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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 others 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).



## Codelco at a Glance - 1H 2018

st worldwide copper producer



worldwide molybdenum producer



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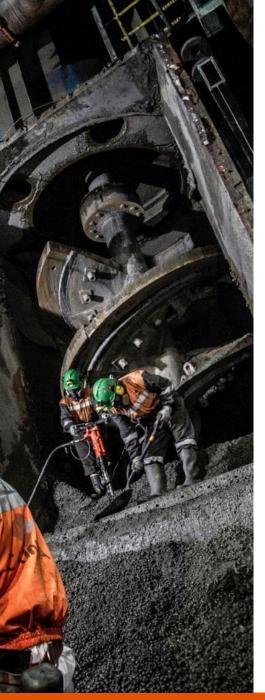


owned by the Republic of Chile



contributor to the **Chilean treasury** 

<sup>1</sup> Includes El Abra and Anglo American Sur attributable production to Codelco's share



### **Recent Developments**



- **EBITDA** increased 21.2% to US\$2.7 billion during 1H 2018.
- **Productivity** continued upward trend (+9.8% during 1H 2018).
- 10 Collective bargaining agreements successfully reached during 2018 – 1-1.5% real-terms wage increases, reduced bonuses and 36-month length.
- Low financing cost: 30-year NC5 US\$ 600m Formosa bond issued at 4.85% in May 2018.
- Strong owner support reflected in US\$ 1bn capital injection commitment in June 2018 to be disburse until February 2019.
- Corporate governance has been uphold through the appointment of three new Directors of the Board: Juan Benavides (Chairman), Hernan De Solminihac and Ignacio Briones and even strengthened through the confirmation of the executive team.

## Market conditions have improved but volatility plays an important role

## Copper: not devoid of market volatility...



#### **2011-2018 copper price**<sup>1</sup> (¢/lb) c/lb 500 400 Significant recovery since its lowest price in six years 2018 301 ¢/lb 300 2017 280 c/lb 200 2016: 221 c/lb 100 '11 '12 '13 '14 '15 '16 '17 '18 <sup>1</sup> Data until 9/30/2018.

#### **Short term**

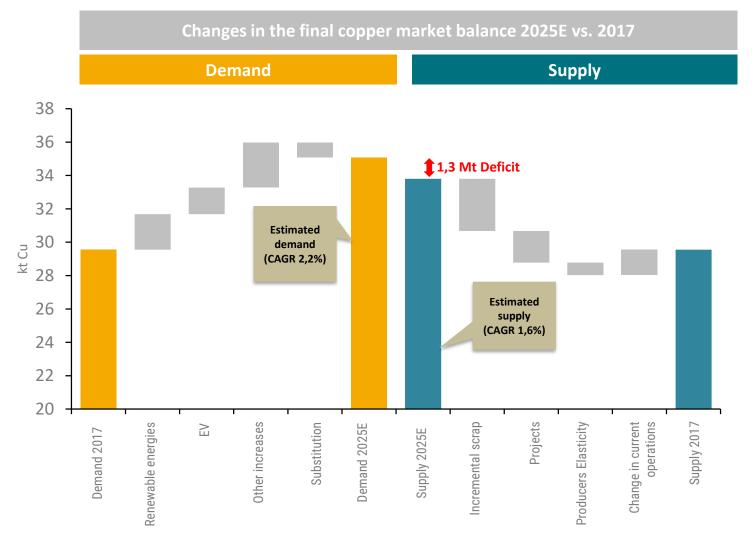
- Fears about trade war impacting world growth, specially China.
- No supply disruption unlike prior expected impact due to labor negotiations.
- Dollar strength

### Long Term

- Greater demand expectations associated with technological changes:
  - Electromobility.
  - Energetic transition: from Decarbonisation to Electrification and Green Energies.
- Limited supply due to growing restrictions and reduced project pipeline

## ... but with strong long term fundamentals





Source: Wood Mackenzie, BMO and Codelco

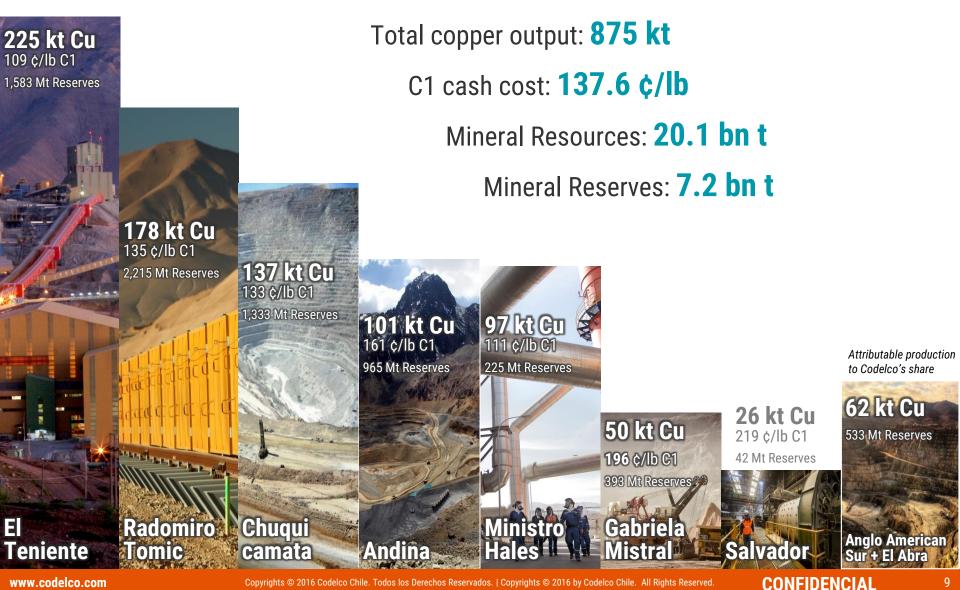
\* Considers the projects under execution and part of the probable ones

## How to take advantage of market conditions avoiding past mistakes

## **Current operations**

1H 2018 • Copper production and C1 cash cost





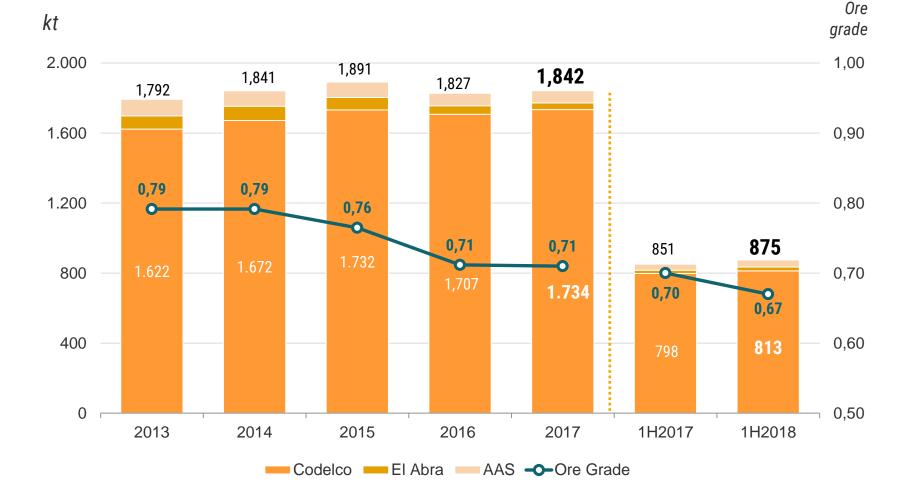
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# Productivity agenda allowed to maintain production despite ore grade reduction...



### Copper production and ore grade



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### ... and cost control program enhance CODELCO'S competitive position

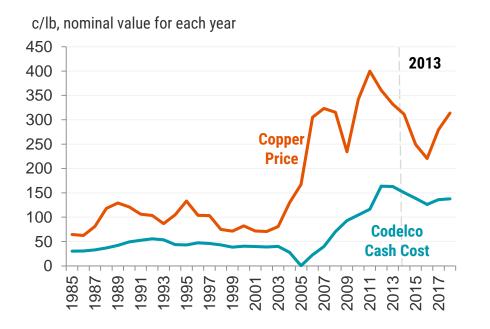


CODELCO

#### **COPPER PRICE & CODELCO CASH COST C1**

**CASH COST C1** 

CHILE

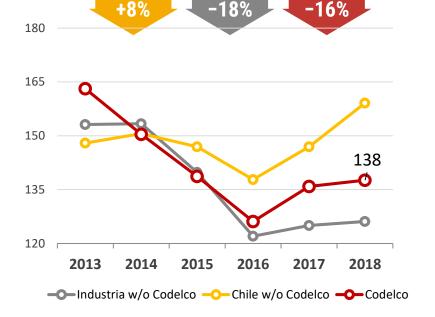




- Producers face upward cost pressures.
- CODELCO has demonstrated strict discipline in terms of cost reductions, making an important contribution to the country competitiveness.

ċ/lb

Source: Codelco and Wood Mackenzie.



INDUSTRY

## **Consolidated 1H2018 results**



		June 30,		Change
		2017	2018	
Copper Production <sup>1</sup>	kton	851	875	2.8%
LME Copper Price	S¢/pound	260.8	313.7	20.3%
Cash Cost <sup>2</sup>		131.7	137.6	4.5%
Total Revenues	US\$ million	\$5,990	\$7,426	24.0%
Gross Profit		\$1,456	\$1,849	27.0%
Adjusted EBITDA <sup>3</sup>		\$2,222	\$2,692	21.2%
Adjusted EBITDA Margin	%	37,1	36,2	(2,3)%
Financial Debt <sup>4</sup>	US\$ million	\$14,264	\$14,451	1.3%
Net Financial Debt/LTM Adjusted EBITDA	times	3.3	2.0	(38.3%)

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) Excludes Mitsui debt to acquire 20% of Anglo American Sur asset as it is non-recourse to CODELCO.

# Labor relations: Adjusting conditions to industry challenges



- 10 collective bargaining agreements in 2018 (14 unions involved)
- 1-1.5% real terms wage increase.
- Considerably reduced bonuses as compared to the previous cycle.

Responsible dialogue, aligning expectations to productivity

#### COLLECTIVE BARGAINING AGREEMENTS 2018

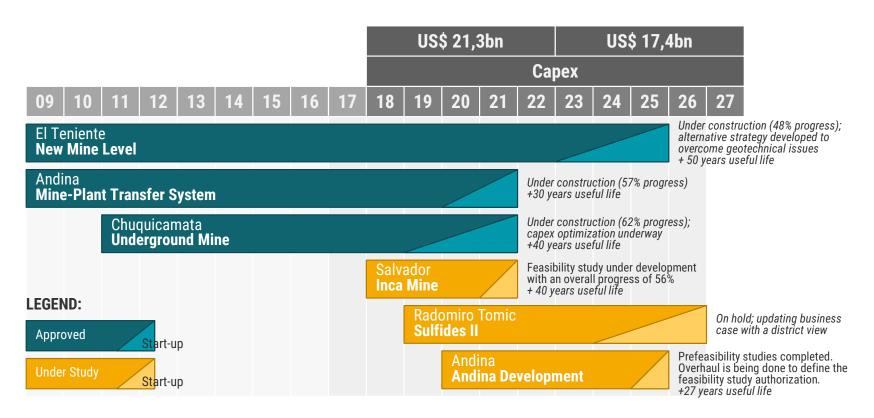
Division	Union	Date	Real Wage change .	Bonus (US\$k)	Length
Andina	Workers	Jan -18	1%	13.2	36
Andina	Workers	Jan - 18	1%	13.2	36
Ministro Hales	Professionals	Mar - 18	1%	11.8	36
Radomiro Tomic	Workers	Apr – 18	1%	14.5	36
Radomiro Tomic	Workers	Apr – 18	1%	14.5	36
Chuquicamata	Supervisors	Apr – 18	1%	12.2	36
Salvador	Workers	Jul - 18	1%	9.3	36
Andina	Supervisors	Jul - 18	1%	12.1	36
Salvador	Workers	Aug - 18	1%	9.6	36
El Teniente	Workers	Aug - 18	1.5%	22.7	36

**CODELCO** must maintain discipline in the investment plan and productivity and costs management to ensure an optimal allocation of its resources and improve its competitive position

### Investment program streamlined to preserve cash and reduce risks



Construction and start-up periods



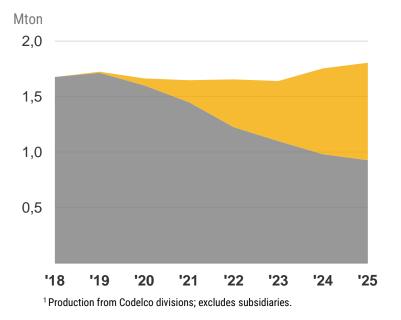
- Layered project execution reduces portfolio risk and concentration of cash needs.
- Ongoing review of project portfolio with a district view.

Note: Progress figures as of June 30, 2018

# Project pipeline allows to materially extend mine life and maintain current production



### **Projected copper production<sup>1</sup>**



### Long-life reserves and resources

Potential lifetime	Mineral Resources <sup>2</sup>	Geological Resources <sup>3</sup>
Andina	116 years	402 years
El Teniente	86	215
Ministro Hales	57	87
Salvador	55	198
Radomiro Tomic	49	87
Chuquicamata	41	183
Gabriela Mistral	10	25

<sup>2</sup> Includes reserves.

 $^3$  Potential lifetime estimated at cut-off grade 0.2% CuT (0.5% average ore grade).

### World-class resources support operation in the long term

- Largest proven and probable reserve base (6%).
- Attractive mix of scale and long life resources.
- Average production costs in the second quartile, with space for improvement.
- Extensive, high-quality resources to support further organic growth.

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# Substantial productivity improvements achieved up to date

However, most challenging stage is yet to come

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



<sup>1</sup> Productivity includes production and workforce of mining divisions and is calculated on each division product portfolio basis.

<sup>2</sup> Cost savings as compared to 2016 Business Plan, except 2015 which is compared to the year's Budget.
 2017<sup>P</sup> = Proyected result for year end 2017

## CODELCO must focus on Balance sheet strength to shape a more profitable future while provide resilience against volatility

## **Debt profile management**



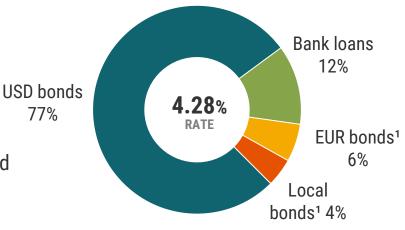
### July 2017 bond issuance for LM Exercise

- 10 & 30 year bonds for US\$ 1.500m and US\$
  1.250m, respectively
  - 3.625% coupon for 10's and 4,50% coupon for 30's.
  - Well diversified demand, particularly from Asia.

### **Liability Management**

- 94% of proceeds were deployed to buy-back short and medium term debt for US\$ 2.4 billion
  - Include '19s, '20s and '21s, '22s, '23s and '25s bond maturities
  - Extended average maturity in 3.3 years and reduced Codelco's annual interest in 5 bps
- Roll-over of US\$ 600 million in bank debt, extending maturity from 2018 to 2022 and pre-payment of US\$600 million bank debt originally maturing in 2018.

### Sources of funding<sup>2</sup>



2 Excludes Mitsui debt to acquire 20% of Anglo American Sur asset, because it is non-recourse to CODELCO. As of June 30, 2018

<sup>&</sup>lt;sup>1</sup> Local and EUR bonds swapped to USD.

## New Formosa Bond – Issued in April 2018



- Amount: US\$ 600 millones
- Yield: 4.85%
- Callable option at par value: Yearly option since the 5<sup>th</sup> year and up to maturity
  - 3 bps<sup>(1)</sup> cost for the callable option (estimated traditional market fair value price of 70 bps)
- 30-year bond
- Taipei Exchange (TPEx) listed

- First Chilean corporate bond in Formosa market.
- First Latin American callable bond in this market.
- First miner issuer bond in this market.

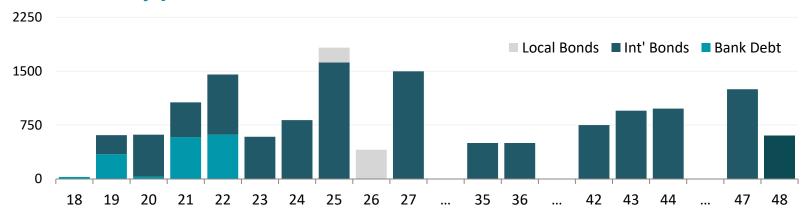
(1) 2047 Secondary value: 4.66%; curve extension: 1pb; estimated NIP: 15 bps. Fair value without callable option: 4.82%.

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## **Debt maturity profile**



#### **Debt maturity profile<sup>1</sup>**



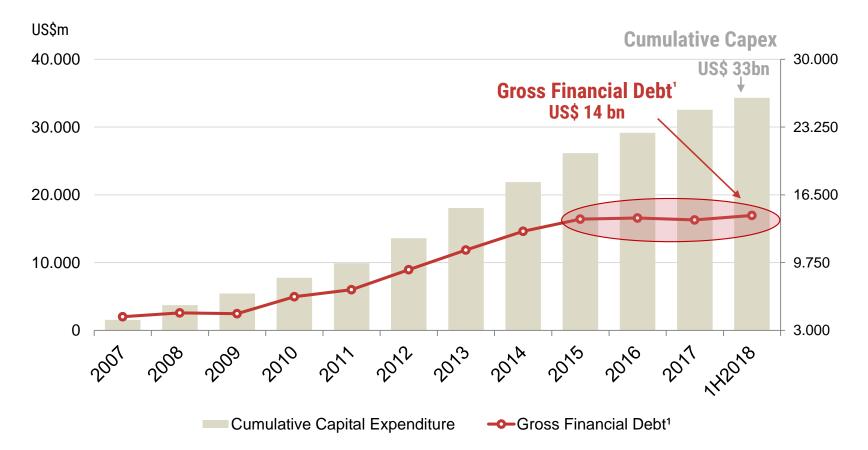
<sup>1</sup> Excludes Mitsui debt to acquire 20% of Anglo American Sur asset, because it is non-recourse to CODELCO. As of June 30, 2018.

### **Next Steps**

- Keep diversifying the sources of funding by accessing new markets and investors.
- Defined a new sustainable capitalization policy after 2019.

# Capital Discipline: Stable debt levels, despite intense capex program





Our financial focus is on maintaining our **credit quality** through copper price cycles, while developing our capex plan.

<sup>1</sup> Excludes Mitsui debt to acquire 20% of Anglo American Sur asset, because it is non-recourse to CODELCO.

## **Strong government support...**



 Government capitalized CODELCO with US\$3.3bn between 2014 and 2018, confirming the State's commitment to the development plan and contributing to maintain the Company competitive financing costs.

US\$ m	Authorized	Received	Committed <sup>1</sup>	Total Capitalization
Capital injection	3,000	1,620	1,000	2,620
Retained Earnings	1,000	200	0	200
∆ Export tax over Pre-tax profit	950	475	0	475
Total (US\$m)	4,950	2,295	1,000	3,295

<sup>1</sup> Capital injection committed in June 2018, but not disbursed yet. The government has until February 2019 to disburse it in one or more installments.

## **Summary: Lessons are learned**



- 1. Maintaining the discipline across cycles to ensure competiveness.
- 2. Good investments, well executed: value-over-volume
- **3. Productivity and cost management** should be installed as the cornerstone of the organization culture.
- 4. Continued focus on maintaining a strong and flexible balance sheet across cycles.
- 5. The importance of a stable **capitalization policy** to continue exploiting Chile's main resource.



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