

## Copper back above \$7k as the curve flirts with backwardation

The start of labour negotiations at the world's largest copper mine, Escondida, have restored volatility to the copper market. We are keeping a close eye on the tightening spreads which could restore fund flows but also seem dependent on stock holdings



Source: Shutterstock

### Labour negotiations back to the fore

At the beginning of 2018, we cautioned bulls were likely pricing in a high amount of mine disruptions too early which only risked disappointment. With the retreat of prices, open interest and money manager positions through Q1, this seemed to play out as we expected.

2018 is indeed an extreme year for the number of labour negotiations in Chile and Peru, but until now all talks have gone without any hit to supply. Only two mines including Los Pelambres and Chiquicamata/Radimoro Tomic saw negotiations go down to the wire.

Now labour is back in focus as talks have now begun at the world's largest mine Escondida. A record 44-day strike here cost c.200kt of supply in 2017, and the rebound (+ concentrator expansion) is expected to add c.300kt this year making it the largest contribution to supply growth.

As we stressed in our [2018 copper outlook](#), counting on a higher supply disruption rate than usual for 2018 was [a tough sell](#) because fewer greenfield mines are ramping up and prone to delays. Given the smooth start to the labour negotiations in the first five months, it would take a very prolonged strike at Escondida to now surpass the 5% disruption allowance in our models and swing the market into a price driving, curve flipping, refined deficit. At the historical disruption rate, copper concentrate looks set for a shortfall of around 100kt, but the refined market looks effectively balanced.

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*Our base case doesn't see prices break much higher than \$7k*

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However, never say never. Both sides appear to be far apart since early mediations broke down and the union is demanding the largest one-time bonus ever for Chilean mining. More worryingly, the union has said they have the cash to potentially sustain a strike for up to a year. Those possibilities have sent the speculators bidding up copper prices, but we would still urge caution. Last year's lengthy strike was extreme and if not the workers, then certainly BHP, would have little appetite to withstand such a lengthy outage.

In short, supply disruptions are expected and will happen this year, but only a very extreme Escondida strike can swing the balance. But Escondida will not be the last strike either. The year has started smoothly, but plenty of labour negotiations remain (c.4.4Mt of annualised production). Some look less risky because they concern supervisors, but many of these mines have also had strike action in just the last few years.

[Read Copper: What happened to the funds?](#)

## **Copper mine labor negotiations until now go without a hitch (ktpa)**

	Country	Company	Operation	Union	Deal Status	Total capacity (ktpa)	In Conc.	Refined inc. SX/EW
January	Chile	Glencore	Lomas Bayas	Labor Union	Resolved – No strike	70		70
	Canada	Hudbay	Manitoba	Labor Union	Resolved – No strike	30		
	Peru	Hudbay	Constancia	Labor Union	Resolved – No strike	105		
	Chile	Codelco	Andina	Labor Union	Resolved – No strike	215		
	Chile	Codelco	Ventanas (Smelter)	Labor Union	Resolved – No strike	400		400
February	Chile	Antofagasta	Los Pelambres	Labor Union	Resolved – Strike narrowly avoided	350	350	
March	Chile	Codelco	Chuquibambuta	Supervisors Union	Resolved late (April)	430	390	40
	Chile	Codelco	Radomiro Tomic	Labor Union	Resolved late (April via/mediation) – no strike	200		200
	Chile	Codelco	Ministro Hales	Supervisors Union	Resolved – No strike	190	190	
April	Chile	Lumina	Caserones	Plant union	Resolved – No strike	133	110	23
May	Chile	Centinela	Centinela	Labor Union Sulufro Mina	Resolved early	260	190	70
June	Chile	Codelco	Andina	Labor Union	Resolved early	205	205	
	Chile	Antofagasta	Centinela	Labor Union Sulufro Planta	Resolved early	260	190	70
	Chile	Antofagasta	Los Pelambres	Plant union	Resolved	350	350	
	Chile	BHP	Spence	Staff		200		200
	Chile	BHP	Escondida	Labor Union	Talks currently (early mediations failed)	1250	1000	250
July	Chile	Lumina	Caserones	Mine Union		133	110	23
	Peru	Antamina	Antamina	Labor Union		420	420	
	Chile	Codelco	Andina	Supervisors Union	Resolved early	205	205	
	Chile	Codelco	Salvador	Labor Union		60	45	15
August	Peru	Freeport	Cerro Verde	Labor Union		500	470	30
	Chile	BHP	Cerro Colorado	Labor Union		70	70	
	Peru	Southern Copper	Toquepala	Labor Union		180	160	20
September	Chile	Codelco	El Teniente	Labor Union		400	398	2
	Chile	Codelco	Salvador	Labor Union		60	45	15
October	Chile	Antofagasta	Centinela	Labor Union Oxida Planta	Resolved early	260	190	70
	Chile	Antofagasta	Centinela	Labor Union Oxido Mina	Resolved early	260	190	70
	Chile	Anglo	Collahuasi	Supervisors Union		505	505	
	Chile	Codelco	El Teniente	Supervisors Union		400	398	2
	Chile	Codelco	Vice presidency of projects	Supervisors Union				
November	Chile	BHP	Spence	Labor Union		200		200
	Chile	Codelco	Ministro Hales	Labor Union	Resolved early	190	190	
	Chile	Codelco	Gaby	Supervisors Union		115		
December	Chile	Lumina	Caserones	Supervisors Union		133	110	23
<b>Total</b>						<b>6428</b>	<b>4741</b>	<b>1337</b>
<b>Outstanding</b>						<b>4423</b>	<b>3766</b>	<b>542</b>
<b>Of Which Supervisors (only)</b>						<b>1300</b>	<b>1298</b>	<b>2</b>

Source: MB, Teck, Bloomberg, ING Research

## Physical is firm but unchanged

Since February, we've been forecasting copper's return to \$7,000 for Q3.

As we saw it, copper prices were bullied lower through March/April by both a temporary blip in Chinese demand (extended new year/NPC slowdown) and concerns over trade wars. But the fund length has now been essentially washed out limiting any further downside. With Q2 and Q3 being seasonal deficits for copper, the tightening backdrop seems suitable setting for copper to regain some of the aggressive liquidation.

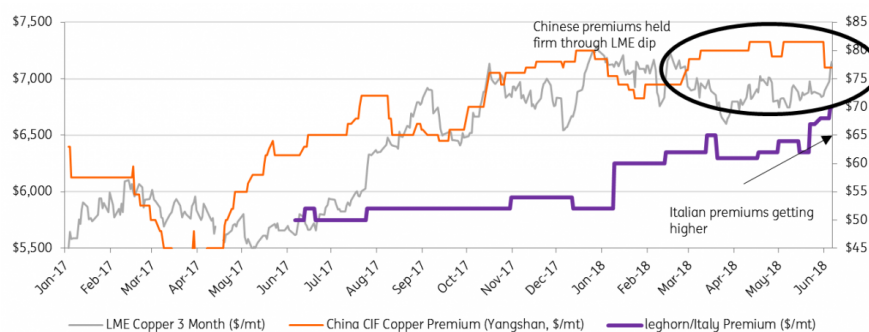
Meanwhile, the physical premiums have actually been holding up firm. The Chinese premium has mostly been around \$80 (a slight nudge down recently), and the European premiums have been picking up considerably in Italy after tightness draws the LME European stocks down 40kt since March. While total visible stocks are moving in the right direction (down 100kt since March), the LME stocks in Asia have been so volatile that they are almost ignored by the market. The draw in Europe (and Comex in late May) however, is a first and could prove more meaningful.

However, our base case doesn't see prices break much higher than \$7k. To really back this rally we would need to see physical conditions tighten: a prolonged Escondida strike needs to happen or Chinese premiums to edge up. Or, the curve needs to go to a sustained backwardation (next

section).

The slightly softer Chinese premium has been disappointing given the now permanent closure of Vedanta's Sterlite smelter (400ktpa with India exporting 340ktpa to China) and the month-long blockade on US scrap trade to China. It seems this could be a now or never moment for the premium to edge closer to those \$90's levels that historically coincide with a bull rally, but instead, it's moving the wrong way. The Chinese refined market actually seems well supplied: SHFE stocks are drawing very slowly after the new year (they are up 43% YoY), the SHFE market is in contango, and the import arb remains in loss-making territory.

## Physical premiums had held firm through LME weakness (\$/mt)



Source: SMM, Fastmarkets, ING Research

## Spreads and dominant stock holders in focus

The copper cash-3M was stuck in a wide contango for most of 2017-18 and the lengthy costs for funds to roll longs likely contributed to the liquidation and sliding prices between January to March. Since May 15th, however, the spreads have tightened significantly flirting ever closer to a backwardation. Nothing drives metal markets like a backwardation and if so we could expect a volatile up-shoot but is unlikely to hold its ground unless the physical market genuinely tightens.

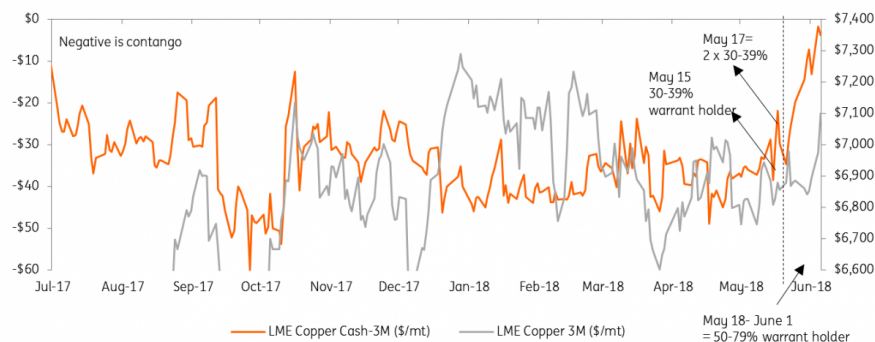
In particular, we are concerned if LME stocks become more freely distrusted/free floating then spreads might return to a wider contango. LME data shows much of the tightness in the spreads has coincided with a building dominant LME stockholder(s) position.

On May 15th, the LME warrant holdings report showed the largest stockholder held 30-39% of warranted LME copper stock. On the 16th, the one day spread (tom-next) hit the highest backwardation since 2012 (\$35b) as another party also held 30-39% (60-78% in total).

With one holder presumably selling their position into the backwardation the other party went on to hold 50-79% of the warrants. The availability rather than the total amount of stock is what most directs the spreads and while a large stockholder is obligated to lend the very nearby tom/next spreads (via the LME lending rules) the influence further along the curve can surely be felt. As of the most recent June, 4th warrant holdings report the dominant stockholder had retreated to the 40-49% banding.

[Read Copper: What's it going to take to flip the curve?](#)

## Copper flirts with backwardation amid dominant LME stock holder



Source: LME, ING Research

### Bottom Line

As far as the copper curve seems to be running ahead of current tightness in physical markets, both spreads and outright prices seem pegged to the outcome of Escondida negotiations.

For a strike to surpass our disruption allowance and bring the refined market to a curve flipping deficit, it needs to be extreme. We reiterate our \$7,000/mt Q318 forecast and \$6,900 for Q4 unless the situation changes.

### Author

**Alissa Lefebvre**

Economist

[alissa.lefebvre@ing.com](mailto:alissa.lefebvre@ing.com)

**Deepali Bhargava**

Regional Head of Research, Asia-Pacific

[Deepali.Bhargava@ing.com](mailto:Deepali.Bhargava@ing.com)

**Ruben Dewitte**

Economist

+32495364780

[ruben.dewitte@ing.com](mailto:ruben.dewitte@ing.com)

**Kinga Havasi**

Economic research trainee

[kinga.havasi@ing.com](mailto:kinga.havasi@ing.com)

**Marten van Garderen**

Consumer Economist, Netherlands

[marten.van.garderen@ing.com](mailto:marten.van.garderen@ing.com)

**David Havrlant**

Chief Economist, Czech Republic  
420 770 321 486

[david.havrlant@ing.com](mailto:david.havrlant@ing.com)

**Sander Burgers**

Senior Economist, Dutch Housing

[sander.burgers@ing.com](mailto:sander.burgers@ing.com)

**Lynn Song**

Chief Economist, Greater China

[lynn.song@asia.ing.com](mailto:lynn.song@asia.ing.com)

**Michiel Tukker**

Senior European Rates Strategist

[michiel.tukker@ing.com](mailto:michiel.tukker@ing.com)

**Michal Rubaszek**

Senior Economist, Poland

[michal.rubaszek@ing.pl](mailto:michal.rubaszek@ing.pl)

**This is a test author**

**Stefan Posea**

Economist, Romania

[tiberiu-stefan.posea@ing.com](mailto:tiberiu-stefan.posea@ing.com)

**Marine Leleux**

Sector Strategist, Financials

[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Jesse Norcross**

Senior Sector Strategist, Real Estate

[jesse.norcross@ing.com](mailto:jesse.norcross@ing.com)

**Teise Stellema**

Research Assistant, Energy Transition

[teise.stellema@ing.com](mailto:teise.stellema@ing.com)

**Diederik Stadig**

Sector Economist, TMT & Healthcare

[diederik.stadig@ing.com](mailto:diederik.stadig@ing.com)

**Diogo Gouveia**

Sector Economist

[diogo.duarte.vieira.de.gouveia@ing.com](mailto:diogo.duarte.vieira.de.gouveia@ing.com)

**Marine Leleux**

Sector Strategist, Financials

[marine.leleux2@ing.com](mailto:marine.leleux2@ing.com)

**Ewa Manthey**

Commodities Strategist

[ewa.manthey@ing.com](mailto:ewa.manthey@ing.com)

**ING Analysts**

**James Wilson**

EM Sovereign Strategist

[James.wilson@ing.com](mailto:James.wilson@ing.com)

**Sophie Smith**

Digital Editor

[sophie.smith@ing.com](mailto:sophie.smith@ing.com)

**Frantisek Taborsky**

EMEA FX & FI Strategist

[frantisek.taborsky@ing.com](mailto:frantisek.taborsky@ing.com)

**Adam Antoniak**

Senior Economist, Poland

[adam.antoniak@ing.pl](mailto:adam.antoniak@ing.pl)

**Min Joo Kang**

Senior Economist, South Korea and Japan

[min.joo.kang@asia.ing.com](mailto:min.joo.kang@asia.ing.com)

**Coco Zhang**

ESG Research

[coco.zhang@ing.com](mailto:coco.zhang@ing.com)

**Jan Frederik Slijkerman**

Senior Sector Strategist, TMT

[jan.frederik.slijkerman@ing.com](mailto:jan.frederik.slijkerman@ing.com)

**Katinka Jongkind**

Senior Economist, Services and Leisure

[Katinka.Jongkind@ing.com](mailto:Katinka.Jongkind@ing.com)

**Marina Le Blanc**

Sector Strategist, Financials

[Marina.Le.Blanc@ing.com](mailto:Marina.Le.Blanc@ing.com)

**Samuel Abettan**

Junior Economist

[samuel.abettan@ing.com](mailto:samuel.abettan@ing.com)

**Franziska Biehl**

Economist, Germany

[Franziska.Marie.Biehl@ing.de](mailto:Franziska.Marie.Biehl@ing.de)

**Rebecca Byrne**

Senior Editor and Supervisory Analyst

[rebecca.byrne@ing.com](mailto:rebecca.byrne@ing.com)

**Mirjam Bani**

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

[mirjam.bani@ing.com](mailto:mirjam.bani@ing.com)

**Timothy Rahill**

Credit Strategist

[timothy.rahill@ing.com](mailto:timothy.rahill@ing.com)

**Leszek Kasek**

Senior Economist, Poland

[leszek.kasek@ing.pl](mailto:leszek.kasek@ing.pl)

**Oleksiy Soroka, CFA**

Senior High Yield Credit Strategist

[oleksiy.soroka@ing.com](mailto:oleksiy.soroka@ing.com)

**Antoine Bouvet**

Head of European Rates Strategy

[antoine.bouvet@ing.com](mailto:antoine.bouvet@ing.com)

**Jeroen van den Broek**

Global Head of Sector Research

[jeroen.van.den.broek@ing.com](mailto:jeroen.van.den.broek@ing.com)

**Edse Dantuma**

Senior Sector Economist, Industry and Healthcare

[edse.dantuma@ing.com](mailto:edse.dantuma@ing.com)

**Francesco Pesole**

FX Strategist

[francesco.pesole@ing.com](mailto:francesco.pesole@ing.com)

**Rico Luman**

Senior Sector Economist, Transport and Logistics

[Rico.Luman@ing.com](mailto:Rico.Luman@ing.com)



**Jurjen Witteveen**

Sector Economist

[jurjen.witteveen@ing.com](mailto:jurjen.witteveen@ing.com)

**Dmitry Dolgin**

Chief Economist, CIS

[dmitry.dolgin@ing.de](mailto:dmitry.dolgin@ing.de)

**Nicholas Mapa**

Senior Economist, Philippines

[nicholas.antonio.mapa@asia.ing.com](mailto:nicholas.antonio.mapa@asia.ing.com)

**Egor Fedorov**

Senior Credit Analyst

[egor.fedorov@ing.com](mailto:egor.fedorov@ing.com)

**Sebastian Franke**

Consumer Economist

[sebastian.franke@ing.de](mailto:sebastian.franke@ing.de)

**Gerben Hieminga**

Senior Sector Economist, Energy

[gerben.hieminga@ing.com](mailto:gerben.hieminga@ing.com)

**Nadège Tillier**

Head of Corporates Sector Strategy

[nadege.tillier@ing.com](mailto:nadege.tillier@ing.com)

**Charlotte de Montpellier**

Senior Economist, France and Switzerland

[charlotte.de.montpellier@ing.com](mailto:charlotte.de.montpellier@ing.com)

**Laura Straeter**

Behavioural Scientist

+31(0)611172684

[laura.Straeter@ing.com](mailto:laura.Straeter@ing.com)

**Valentin Tataru**

Chief Economist, Romania

[valentin.tataru@ing.com](mailto:valentin.tataru@ing.com)

**James Smith**

Developed Markets Economist, UK

[james.smith@ing.com](mailto:james.smith@ing.com)

**Suvi Platerink Kosonen**

Senior Sector Strategist, Financials

[suvi.platerink-kosonen@ing.com](mailto:suvi.platerink-kosonen@ing.com)

**Thijs Geijer**

Senior Sector Economist, Food & Agri

[thijs.geijer@ing.com](mailto:thijs.geijer@ing.com)

**Maurice van Sante**

Senior Economist Construction & Team Lead Sectors

[maurice.van.sante@ing.com](mailto:maurice.van.sante@ing.com)

**Marcel Klok**

Senior Economist, Netherlands

[marcel.klok@ing.com](mailto:marcel.klok@ing.com)

**Piotr Poplawski**

Senior Economist, Poland

[piotr.poplawski@ing.pl](mailto:piotr.poplawski@ing.pl)

**Paolo Pizzoli**

Senior Economist, Italy, Greece

[paolo.pizzoli@ing.com](mailto:paolo.pizzoli@ing.com)

**Marieke Blom**

Chief Economist and Global Head of Research

[marieke.blom@ing.com](mailto:marieke.blom@ing.com)

**Raoul Leering**

Senior Macro Economist

[raoul.leering@ing.com](mailto:raoul.leering@ing.com)

**Maarten Leen**

Head of Global IFRS9 ME Scenarios

[maarten.leen@ing.com](mailto:maarten.leen@ing.com)

**Maureen Schuller**

Head of Financials Sector Strategy

[Maureen.Schuller@ing.com](mailto:Maureen.Schuller@ing.com)

**Warren Patterson**

Head of Commodities Strategy

[Warren.Patterson@asia.ing.com](mailto:Warren.Patterson@asia.ing.com)

**Rafal Benecki**

Chief Economist, Poland

[rafal.benecki@ing.pl](mailto:rafal.benecki@ing.pl)

**Philippe Ledent**

Senior Economist, Belgium, Luxembourg

[philippe.ledent@ing.com](mailto:philippe.ledent@ing.com)

**Peter Virovacz**

Senior Economist, Hungary

[peter.virovacz@ing.com](mailto:peter.virovacz@ing.com)

**Inga Fechner**

Senior Economist, Germany, Global Trade

[inga.fechner@ing.de](mailto:inga.fechner@ing.de)

**Dimitry Fleming**

Senior Data Analyst, Netherlands

[Dimitry.Fleming@ing.com](mailto:Dimitry.Fleming@ing.com)

**Ciprian Dascalu**

Chief Economist, Romania

+40 31 406 8990

[ciprian.dascalu@ing.com](mailto:ciprian.dascalu@ing.com)

**Muhammet Mercan**

Chief Economist, Turkey

[muhammet.mercan@ingbank.com.tr](mailto:muhammet.mercan@ingbank.com.tr)

**Iris Pang**

Chief Economist, Greater China

[iris.pang@asia.ing.com](mailto:iris.pang@asia.ing.com)

**Sophie Freeman**

Writer, Group Research

+44 20 7767 6209

[Sophie.Freeman@uk.ing.com](mailto:Sophie.Freeman@uk.ing.com)

**Padhraic Garvey, CFA**

Regional Head of Research, Americas

[padhraic.garvey@ing.com](mailto:padhraic.garvey@ing.com)

**James Knightley**

Chief International Economist, US

[james.knightley@ing.com](mailto:james.knightley@ing.com)

**Tim Condon**

Asia Chief Economist

+65 6232-6020

**Martin van Vliet**

Senior Interest Rate Strategist

+31 20 563 8801

[martin.van.vliet@ing.com](mailto:martin.van.vliet@ing.com)

**Robert Carnell**

Regional Head of Research, Asia-Pacific  
[robert.carnell@asia.ing.com](mailto:robert.carnell@asia.ing.com)

**Karol Pogorzelski**  
Senior Economist, Poland  
[Karol.Pogorzelski@ing.pl](mailto:Karol.Pogorzelski@ing.pl)

**Carsten Brzeski**  
Global Head of Macro  
[carsten.brzeski@ing.de](mailto:carsten.brzeski@ing.de)

**Viraj Patel**  
Foreign Exchange Strategist  
+44 20 7767 6405  
[viraj.patel@ing.com](mailto:viraj.patel@ing.com)

**Owen Thomas**  
Global Head of Editorial Content  
+44 (0) 207 767 5331  
[owen.thomas@ing.com](mailto:owen.thomas@ing.com)

**Bert Colijn**  
Chief Economist, Netherlands  
[bert.colijn@ing.com](mailto:bert.colijn@ing.com)

**Peter Vanden Houte**  
Chief Economist, Belgium, Luxembourg, Eurozone  
[peter.vandenhoute@ing.com](mailto:peter.vandenhoute@ing.com)

**Benjamin Schroeder**  
Senior Rates Strategist  
[benjamin.schroeder@ing.com](mailto:benjamin.schroeder@ing.com)

**Chris Turner**  
Global Head of Markets and Regional Head of Research for UK & CEE  
[chris.turner@ing.com](mailto:chris.turner@ing.com)

**Gustavo Rangel**  
Chief Economist, LATAM  
+1 646 424 6464  
[gustavo.rangel@ing.com](mailto:gustavo.rangel@ing.com)

**Carlo Cocuzzo**  
Economist, Digital Finance  
+44 20 7767 5306  
[carlo.cocuzzo@ing.com](mailto:carlo.cocuzzo@ing.com)