

## Iron ore market to continue rebalancing

Iron ore demand has borne the brunt of deep cuts in the Chinese steel sector. However, with supply continuing to improve, the seaborne iron ore market is set to continue to rebalance itself over the medium term



A worker oversees the iron smelting process

### A year of two halves in the iron ore market

It's been a year of two halves for the iron ore market. The first half was red hot, the second bitterly cold. In May, prices soared to an all-time high of US\$233/tonne and remained elevated thereafter before plunging into a bear market around the end of July. Prices more than halved towards November.

### Supply improvement continues despite some supply chain issues

The supply in the seaborne market continues improving, broadly in line with expectations. This is largely due to Brazil, where Vale has been able to see some production growth this year. However, the weak market of low-quality ores prompted Vale to trim the upper bound of its full-year guidance range by 15Mt to the latest range of 315-320Mt for 2021 and issued a lower projection for 2022 to 320-335Mt. Nevertheless, Brazil still contributes to the main incremental supply additions this year, and it's expected to be the key driver to seaborne market growth in the medium term. Shipments from the world's largest seaborne exporter, Australia, struggled during

2Q21 and most of 3Q21 due to weather-related disruptions and extended maintenance works. Still, there are signs that exports have improved during the final quarter of 2021, a trend that is expected to continue through next year.

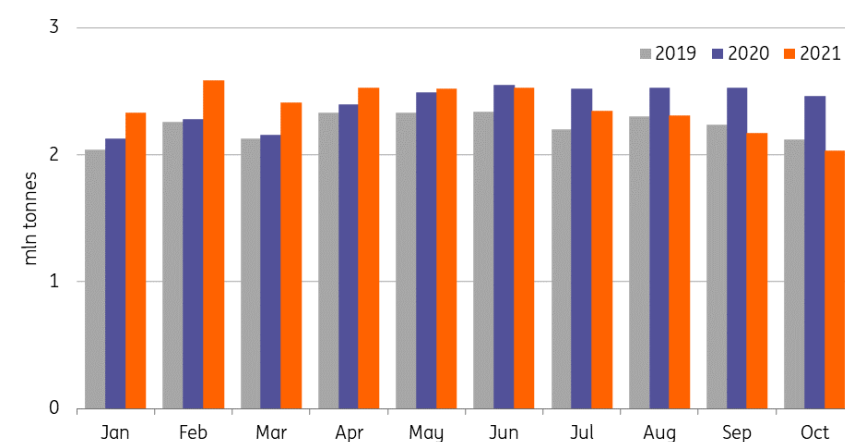
The supply of non-traditional iron ore fell this year as market conditions changed. A strong rebound in India's steel sector led to higher demand for its own iron ore. Export demand for India's low-grade fines fell sharply faced with high freight costs and steep discounts of lower-grade ores from the main consumer, China. Skyrocketing coking coal prices in China have put strong pressure on certain quality types such as lump and low-grade fines, as steelmakers diverge away from these relatively higher fuel rate products. As such, demand for high-grade fines and pellets remains elevated, which is also because of the pressure of production cuts on Chinese steel. As a result, stronger high-grade fines and pellet prices have prompted a supply response. It is expected that the supply of these products will see an improvement in the medium term.

## Consumption plunges amid China's aggressive steel cuts

Demand developments have prompted extraordinary market volatility. A downward spiral kicked off with a slew of strong policy enforcements on steel production cuts, as the whole sector in China is very momentum-driven. Iron ore demand fell sharply with mills from multiple regions required to cut production to fulfil the mandate on flat growth in line with the state's decarbonisation goals and extended curbs in the top production hub of Tangshan city for 'Olympic Blue'. In 2H21, various steel cuts in China are estimated to lead to around 50Mt losses in crude steel and further result in a fall of hot metal production. Hence, during the period, iron ore consumption fell sharply by around 35Mt. The aggressive steel cuts in 2H21 and weaker iron ore consumption have led to growing inventories of imported ore at Chinese ports. Overall, Chinese iron ore imports are estimated to fall by more than 3% YoY in 2021.

Lower steel production has failed to lift steel mill margins which had turned negative in 4Q21 due to weaker demand from the downstream property sector and slower activity from others due to frequent power shortages. More importantly, the weakening China property sector and construction new-starts have come under significant pressure, with major property developers struggling in the government-led deleveraging campaign.

## Daily hot metal production in China



Source: China NBS, ING Research

## China's policy continues to play a key role

The Chinese property sector has clearly been a major concern amid the debt crisis out of some property developers. However, our economists [think](#) activity here is not all doom and gloom as property investment growth is still 1.1 percentage points faster than headline fixed-asset investment (FAI) growth; there will also be a focus on those pipeline projects to bring them to completion.

At the end of 2021, a number of fine-tuning measures targeting the sector combined with credit easing sparked optimism about China's policy becoming more supportive. Iron ore prices started to rise together with steel prices, pre-emptively riding the China property curve and expectations of a round of easing. This was followed by an official announcement from the PBoC on a [RRR cut](#) on 6 December, a move that is expected to support fixed-asset investment in infrastructure, transportation and telecommunications and spur economic growth. So the 'stability priority' will provide some support to demand but it doesn't mean we're returning to the old regime where property was turbo-charged. Policies will be fine-tuned to avoid systemic contagion but we don't expect a significant reversal in the Chinese property sector.

## Average prices to decline from 2021 levels

The China policy landscape at the macro-level, including moves towards decarbonisation, remains a cap over the medium-term demand outlook for iron ore. As such, China's steel production is unlikely to return to the 1H21 level. Nevertheless, we expect the seaborne market to remain in deficit through 2023. In addition, the fine-tuning supportive measures in the short term should act to cushion the markets. On average, we expect prices to slide to US\$100/t over 2022, with the main upside risks still being potential supply chain disruptions in light of the Omicron variant.

### ING forecasts

	1Q22	2Q22	3Q22	4Q22	FY22
Iron ore (US\$/t)	110	100	90	95	100

Source: ING Research

### Author

#### Amrita Naik Nimbalkar

Junior Economist, Global Macro

[amrita.naik.nimbalkar@ing.com](mailto:amrita.naik.nimbalkar@ing.com)

#### Mateusz Sutowicz

Senior Economist, Poland

[mateusz.sutowicz@ing.pl](mailto:mateusz.sutowicz@ing.pl)

#### 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**

Senior 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)

**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)