

# Trends and themes on the metals markets

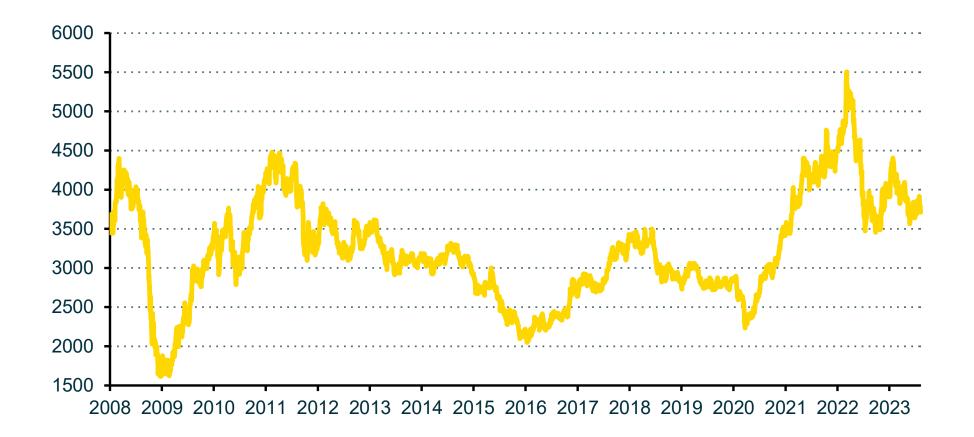
Carsten Fritsch | GM Commodity Research | Commerzbank AG | August 2023

Andreas Innetsberger | FMS Commodities Advisory & Execution | Commerzbank AG | August 2023



# Metals prices with high fluctuation in the last 15 years

LMEX base metal index



Source: LME, Bloomberg, Commerzbank Research



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Current market situation and the most important influencing factors for metal prices



# Metals prices in search for direction

indexed 1.1.2022 = 100, dotted line: start of the war in Ukraine





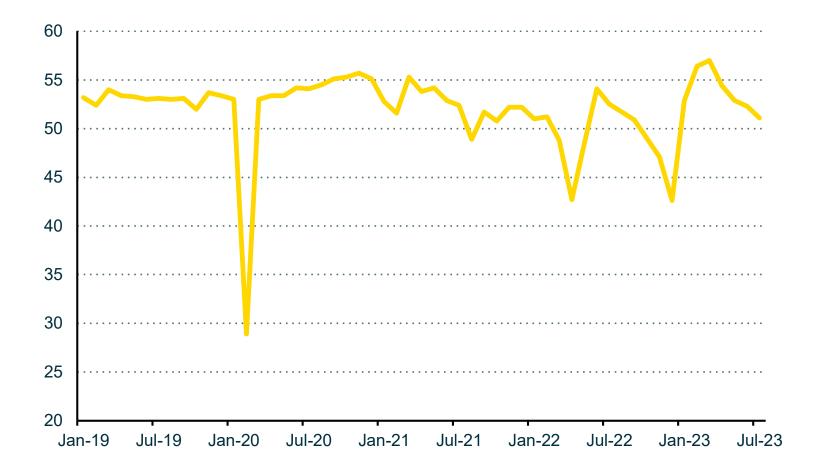
# Influencing factor monetary policy

LMEX base metal index, trade-weighted USD index



# **Influencing factor China**

Purchasing manager index for manufacturing and services

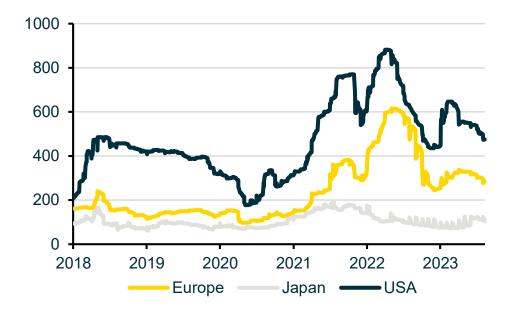




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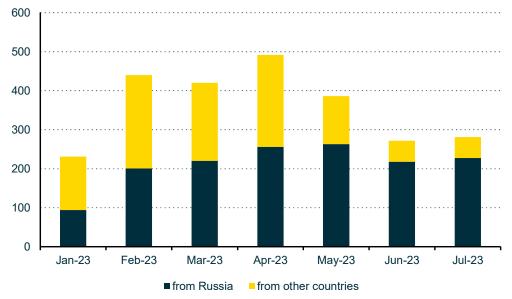
Implications of the war in Ukraine and the significant increase in energy costs for metals markets

# **Rising physical premiums and buyers' strike for Russian aluminium**



#### Physical aluminium premium in USD per ton

#### LME aluminium stocks in thousand tons



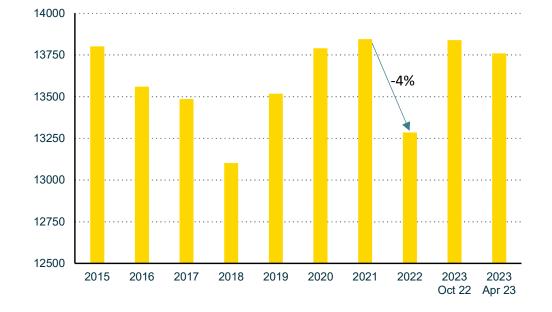
#### Source: LME, Bloomberg, Commerzbank Research

## High energy prices curb energyintensive metals production

#### 360 3600 340 3400 320 300 3200 280 3000 260 240 2800 220 200 2600 Jan-20 Jan-21 Jan-22 Jan-23 Jan-18 Jan-19 Western Europe, I North America, I China (estimated), r

Aluminium production by region in thousand tons

### Global zinc production in thousand tons, ILZSG forecasts



#### Source: IAI, ILZSG, Bloomberg, Commerzbank Research



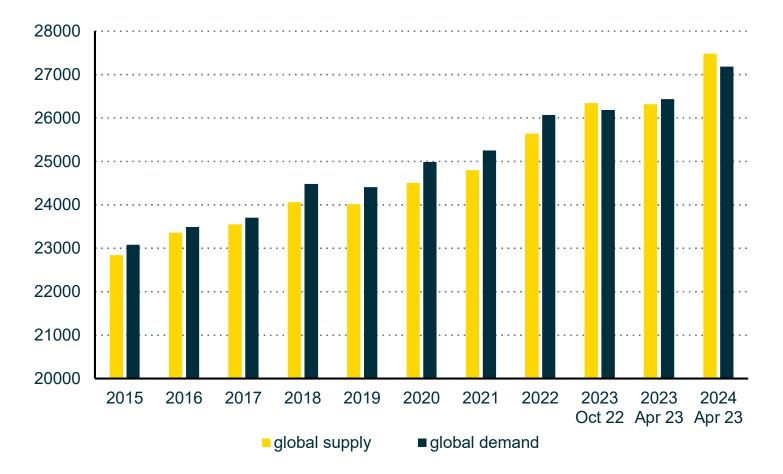


# Supply and demand prospects



# Copper market better supplied thanks to strong expansion of supply

in thousand tons, 2023 und 2024 ICSG forecasts



# The same applies to the nickel market, but higher-grade nickel is scarce

### Nickel supply and demand in thousand tons 2023 INSG forecast



#### LME nickel stocks in thousand tons



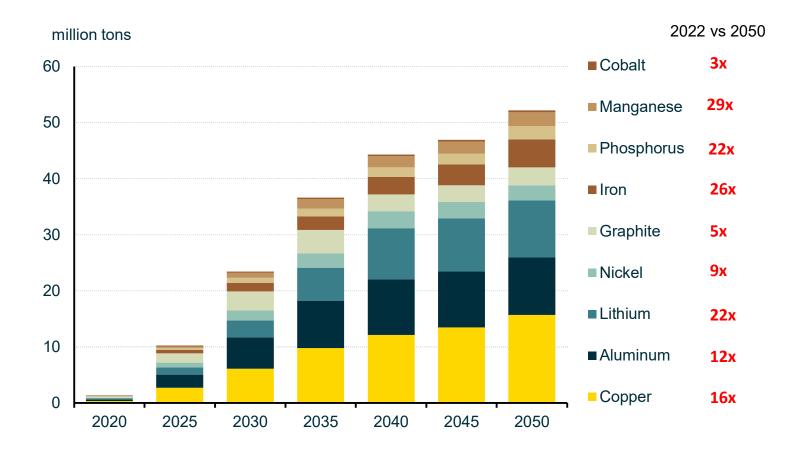


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# Decarbonisation as an important topic for the future, beneficiaries and losers among the metals

# Strongly increasing metals demand for lithium-ion batteries

in million tons, multiple of demand 2050 vs. current, BNEF estimates

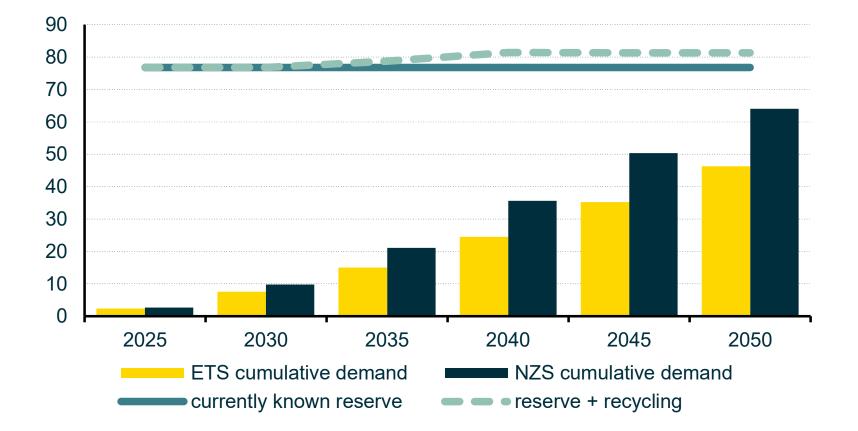


Source: BNEF, Commerzbank Research



# Cumulative demand and cumulative reserves for Class-1 nickel

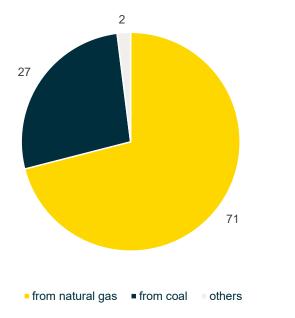
in million tons, ETS: Economic Transition Scenario, NZS: Net Zero Scenario, BNEF estimates



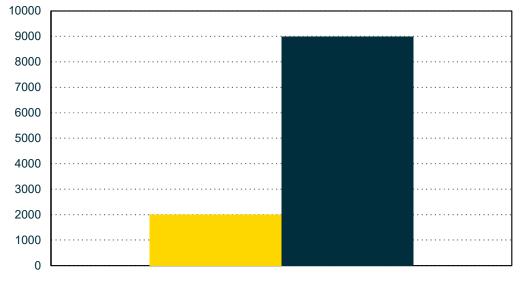


# Hydrogen economy requires large quantities of platinum

Production of hydrogen using various energy sources in percent (2018)



Estimated gross demand for platinum in fuel cells, various assumptions, cumulative until 2050, in tons



Low ■High

Source: IEA, Hydrogen Council, Commerzbank Research

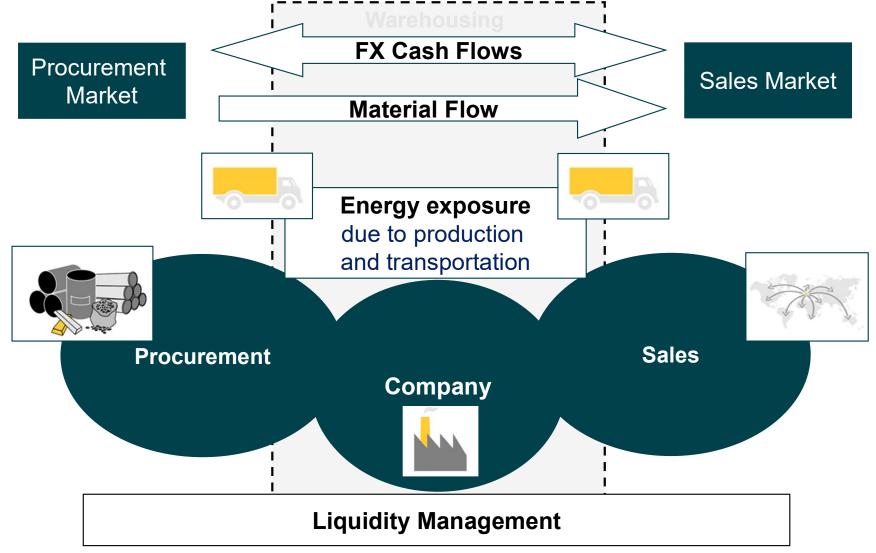


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# **Risk Management in Commodities**

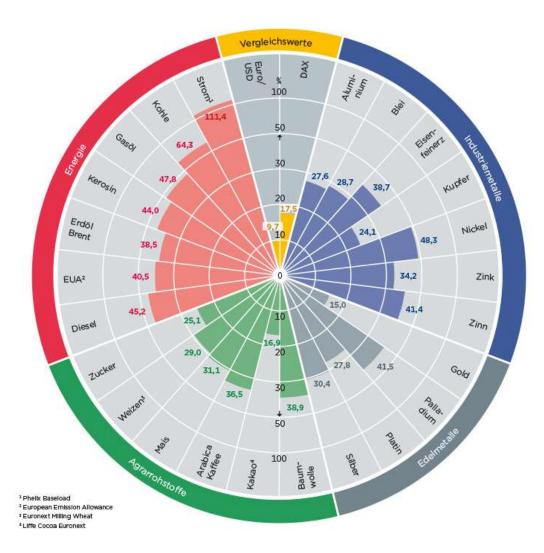


# Potential Market Price Risks along the Value Chain





## If you believe hedging FX and IR makes sense... Volatilities from: 01.07.2022 - 30.06.2023



### ...hedging your commodity exposure is a MUST.

# Financial instruments as a part of your commodity hedging tool box

Transfer commodity price risks to supplier and/or clients

Active Warehousing (build up and run down of stocks)

Compensation of risks through back-to-back business (physical) **However:** Regular mismatch of timing and size

**Method of resolution:** Use of financial instruments in combination with physical purchases and sales via commodity exchange (e.g. LME, CME, Euronext, ICE) or financial counterparty access

# One-stop hedging: Covering (almost) all your hedging needs

	0 1 1	& Distillat		Cocoa ICE US, Euro		Gold		Aluminium	
Oil	ICE Brent	& Distillat	1% FOB NWE Cargoes	Coffee ICE "C" Arab		Siller		Lead	
Gasoil	NYMEX WTI ICE Gasoil 0,1% CIF Cargoes NWE 0,1% FOB Barges R'dam 0,1% CIF MED Cargoes 10ppm FOB Cargoes SGP	1% FOB Barges ARA 1% CIF Cargoes NWE 3,5% CIF MED Cargoes 3,5% FOB Barges ARA 1% CIF MED Cargoes 3,5% FOB MED Cargoes 3,5% CIF Cargoes NWE SGP 180/ 380 CST Gulf Coast HSFO Marine FO 0,5% FOB Barges	1% CIF Cargoes NWE 3,5% CIF MED Cargoes 3,5% FOB Barges ARA 1% CIF MED Cargoes	Maize CBOT, Euronext Natural Rubber Frozen Concentrated Orange Juice		Platinun Palladium A/so:		Copper Nickel Zinc	
Jet Fuel	100		Cotton No. 2 Rapeseed Euronext Soybean/-meal/-oil CBOT Sugar ICE US #11, Europe		Leases Ounces accounts Overdrafts E-Solutions		Tin Iron Ore Steel Scrap		
Diesel	10ppm FOB Barges ARA 10ppm CIF Cargoes NWE 10ppm CIF Cargoes NWE (-UK)		R'dam Marine FO 0,5% FOB SGP NYMEX NY Harbour ULSD	Wheat CBOT, Euronext				n be executed as <b>spot</b> transactions,	
	10ppm CIF Cargoes MED ULSD Gulf Coast	Naphtha	Naphtha Cargoes CIF NWE				plain vanilla or structured.		
(	Crackspreads/ Differentials	Different combinations or differentials of the above underlyings.		EU Emissions	EUA			ious metals business we offer accounts, as well as overdrafts,	
	Gas	E	ectricity & Coal	Trading System (EU ETS)	EUAA UKA		leases and swaps.		
NatGas	THE Gas	Electricity	Phelix Baseload				All transactions are concluded on the basis of bilateral agreements (OTC).		
	TTF Gas	Coal	Coal API2	Voluntary compensation	VER (GS, Verra, CDM)				

Andreas Innetsberger | FMS Commodities Advisory & Execution | Commerzbank AG | August 2023

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<b>Commerzbank Offices Frankfurt</b> Commerzbank AG	<b>London</b> Commerzbank AG	New York Commerz Markets LLC	<b>Singapore</b> Commerzbank AG
DLZ- Gebäude 2. Händlerhaus Mainzer Landstraße 153 60327 Frankfurt	PO BOX 52715 30 Greshan&treet London, EC2P 2XY	225 Libertv Street. 32nd floor. New York. NY 102841050	71. Robinson Road. #40/1 Singapore 068895
Tel: + 49 69 136 21200	Tel: + 44 207 623 8000	Tel: + 1 212703 4000	Tel: +65 631 10000

