

# Gateway Strategies Road to Green

March 2023

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# Independent Capital Group AG

## About us



- Independent Capital Group AG is an asset management and investment advisory firm with offices in Zurich and Basel, Switzerland
- We are regulated by the Swiss Financial Market Supervisory Authority (FINMA)
- Our core competencies are investment management and advisory, including the management of investment funds, real estate- and private equity investments and family office services
- Clients are institutional investors and high net worth individuals as well as their advisors
- With our approach of systematic investing, we strive to maximize long-term risk-adjusted investment returns.
- We integrate sustainability in the investment process across asset classes, free from ideologies
- Independent Capital Group is 100% privately owned
- As entrepreneurs' reliability and trust are our highest priorities



### **BASEL**

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*Asset  
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*Head: Dietrich Joos*



### **ZURICH**

#### Headquarter

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*Family Office*

*Head: Reto Michel*

# Asset Management

## Experienced investment team



**Pablo Gonzalez, CFA**  
**Senior Portfolio Manager**

- Prior managing director and portfolio manager for commodities and energy investments with the commodity boutique Gateway Capital Group, Basel
- Private client's advisor with UBS AG, Basel
- Equity sales trader at UBS AG investment banking, Zurich
- CFA Charterholder
- B. A. in Business Admin. (Finance & Controlling), University of Applied Sciences and Arts Northwestern Switzerland FHNW, Basel; Bachelor thesis on "Valuation of Commodity-related Companies"



**Dietrich Joos**  
**Head Asset Management**  
**Partner, Executive Director**

- Board member at Hoffmann & Partner
- Board member at ACM Biosciences
- Non-executive director at Louvre Group
- Prior founding partner of the commodities and energy investment boutique Gateway Capital Group, Basel
- Portfolio manager with F. Hoffmann-La Roche AG (treasury department) where Mr. Joos initiated the participation in several major commodity related deals incl. the management buyout of Marc Rich & Co which is today's Glencore
- Financial analyst (Swiss equities) with UBS AG
- Economist (lic.rer.pol.), University of Basel



**Cyrill Joos**  
**Portfolio Manager**

- Prior Research analyst with Gateway Capital Group, Basel
- Private client's advisor with UBS AG, Basel
- CFA Level 2 candidate
- BSc. in Business Administration, University of Applied Sciences and Arts Northwestern Switzerland FHNW, Basel
- Bachelor thesis on "Analysis of cost ranges of new energy sources"



**Manny Weiss**  
**Advisor**

- International commodities trader, hedge fund manager, financier and businessman
- CEO of Marylebone Diversified LLP, a London based trading advisor in the base metals business
- Prior head of aluminum trading at Marc Rich & Co (later Glencore)
- City University of New York, M.A.


# Gateway Strategies Road to Green



<b>ECF</b>	<b>IMC</b>	<b>PMC</b>
<b>Oil &amp; Gas</b> Producers	<b>Industrial Metals</b> Producers	<b>Precious Metals</b> Producers
Oil 46% Natural Gas 45% NGL 9%  <i>Upstream 90%</i> <i>Downstream 5%</i> <i>Midstream 3%</i> <i>Renewables 2%</i>	Copper 23% Iron Ore 16% Steel 16% Nickel 8% Aluminium 7%	Gold 71% PGMs 13% Silver 7% Copper 6% Molybdenum 1%

*We offer also tailor made solutions along the road to green*

# Gateway Strategies Road to Green

	<b>ECF</b>	<b>IMC</b>	<b>PMC</b> 
<b>Performance YTD</b> <small>06.03.2023</small>	-3.7%	8.8%	-2.0%
<b>Performance 1 year</b>	0.9%	-9.8%	-22.2%
<b>Performance 2 years</b>	51.7%	15.0%	-16.0%
<b>Performance 3 years</b>	104.6%	126.9%	-17.3% <small>Inception 02.06.2020</small>
Number of holdings	25	25	25
Market cap	\$ 23 bn	\$23 bn	\$4 bn
P/CF	2.8 x	8.0 x	6.9 x
EV/EBITDA 2023E	2.8 x	5.1 x	4.3 x
EBITDA margin 2023E	64%	35%	42%
P/E 2023E	5.7 x	9.0 x	12.5 x
FCF yield 2023E	17.5%	9.4%	6.4%
Net debt/equity	60%	7%	-6%
Dividend yield	6.3%	4.6%	2.7%
Fund size	USD 26 million	USD 33 million	USD 5 million
Legal status	Luxembourg SICAV with UCITS-IV status	Liechtensteiner UCITS contractual fund	Liechtensteiner UCITS contractual fund

# NATURAL RESOURCES

## MARKET UPDATE



## Natural Resources Executive Summary

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- As the global economy grinds against physical commodity constraints, it creates physical pricing pressures that will result in the **next commodity supercycle**
- After years of underinvestment in the whole commodity supply chain, **there is a significant commodity supply risk** that has become visible right now with the current supply shock caused by Russia and the pandemic
- The world is currently **short in all forms of energy** – the digitalization of the world is especially dependent on electricity and raw materials. **We still live in a material world**
- **Fossils** represent today 80% of our primary energy consumption and **are too important to be ignored** if we want to get a smooth energy transition
- The world is being redefined after the challenges of the last few years. In this new world order, there is a renaissance of “old” industries, because the digitalization of **the “new” world needs a lot of resources**
- An energy system powered by clean energy technologies needs a lot of raw materials. **Metal demand for clean energy technologies would rise at least 4x by 2040** to meet climate goals, particularly EV-related metals
- The focus of our «Champions» funds is on commodity producers with attractive valuation, high profitability and financial health– **there are still hidden gems in the space**

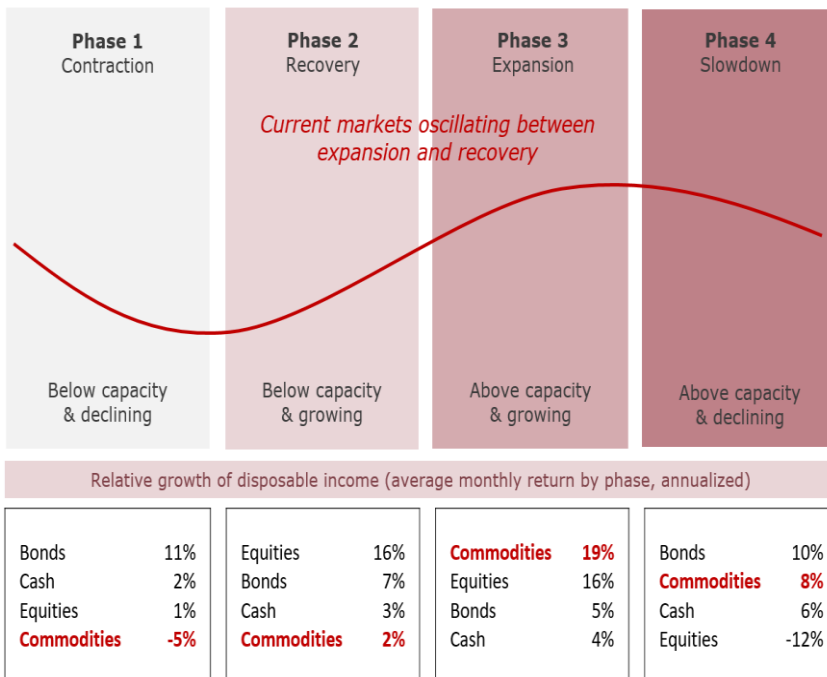


# Why commodities?

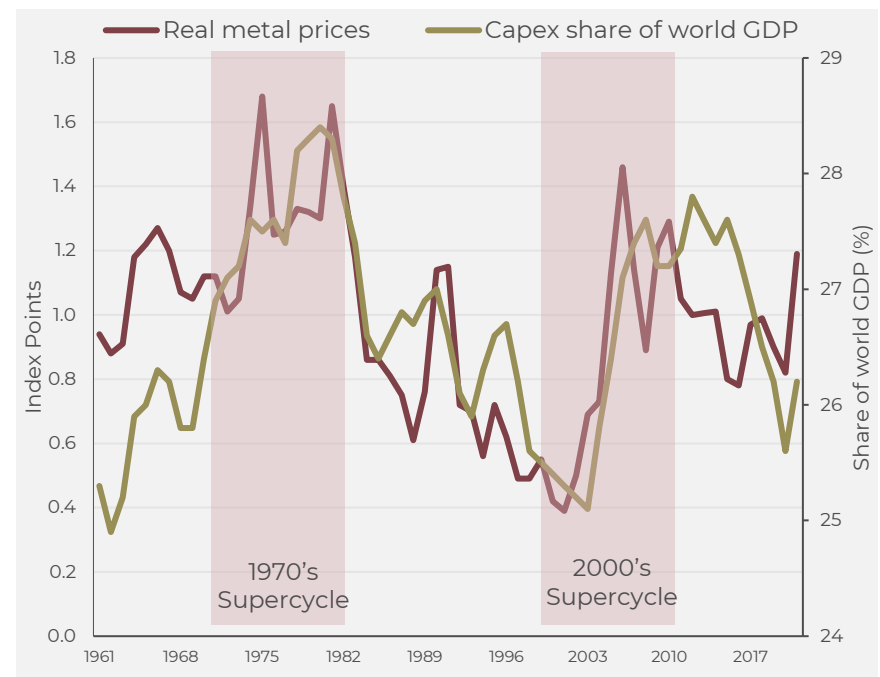
## A new supercycle on the horizon

- We have a global economy where the US is accelerating above capacity and China is accelerating far below capacity, but at an increasing rate. This setup, however, is occurring in the context of late cycle inventories and exhausted spare capacity, but accelerating demand growth that is below trend
  - *When China pushes demand above supply, the system will likely bump into capacity constraints on supply and inventories, recreating classic late cycle strong returns*
- As the global economy grinds against physical commodity constraints, it creates physical pricing pressures
  - *It's no coincidence that the last two supercycles corresponded almost precisely to the two largest global capex cycles in the last 70 years*

Considering different market cycles commodities have done exceptionally well during phases we have right now



Commodity supercycles correspond to large capex cycles

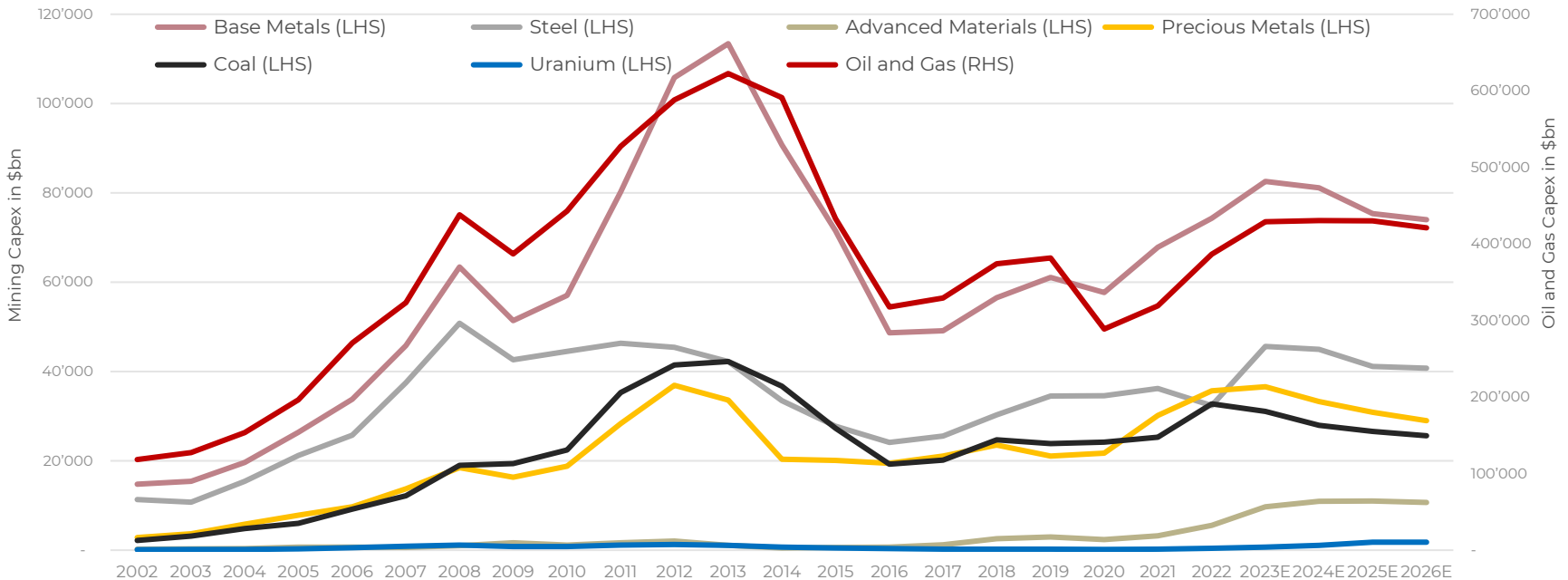


# Commodity supply risk

## Underinvestment remains

- Demand weakness can relieve the symptoms of underinvestment but cannot cure the underlying illness of inadequate production capacity
- Only large-scale capital investments into commodity production capacity can debottleneck the system and provide excess capacity that will cure the illness
  - Unfortunately, the exact opposite has occurred over the past two years. Despite the sharp rise in commodity prices, capex in both energy and metals has fallen, not risen, exacerbating the problem
- The current high costs of capital reflect the better returns in the physical economy and the need to attract capex to expand production capacity, which is where we are today
  - The old carbon economy still needs investment until the green transition is complete, otherwise the global economy risks hitting capacity constraints on growth

### Capex across commodities still relatively low despite higher commodity prices

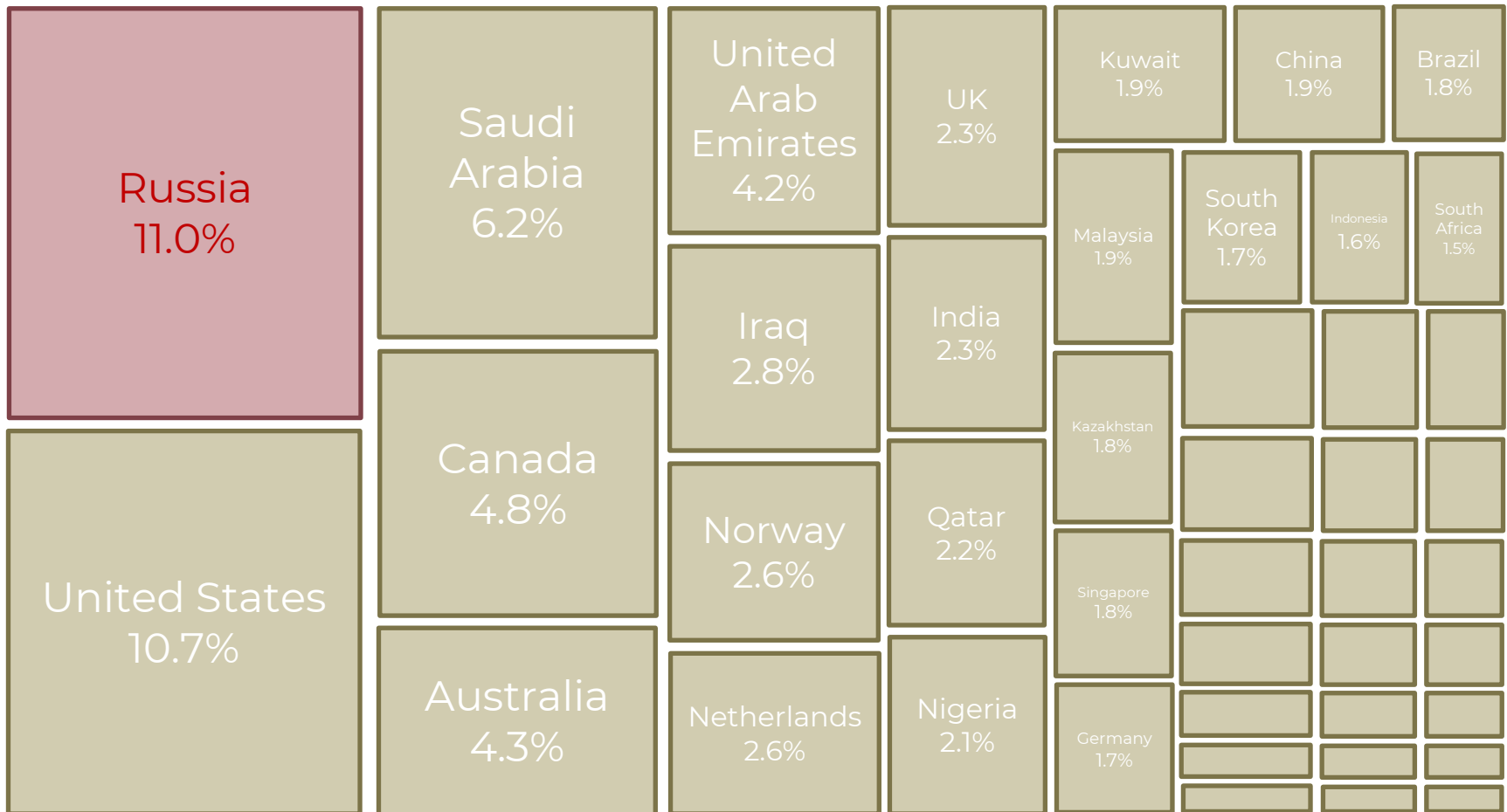


# Russia

## The biggest commodity exporter

### Share of global commodity exports as of 2020

(Commodities include among others mineral fuels and products, cereals, industrial metals, PGM)

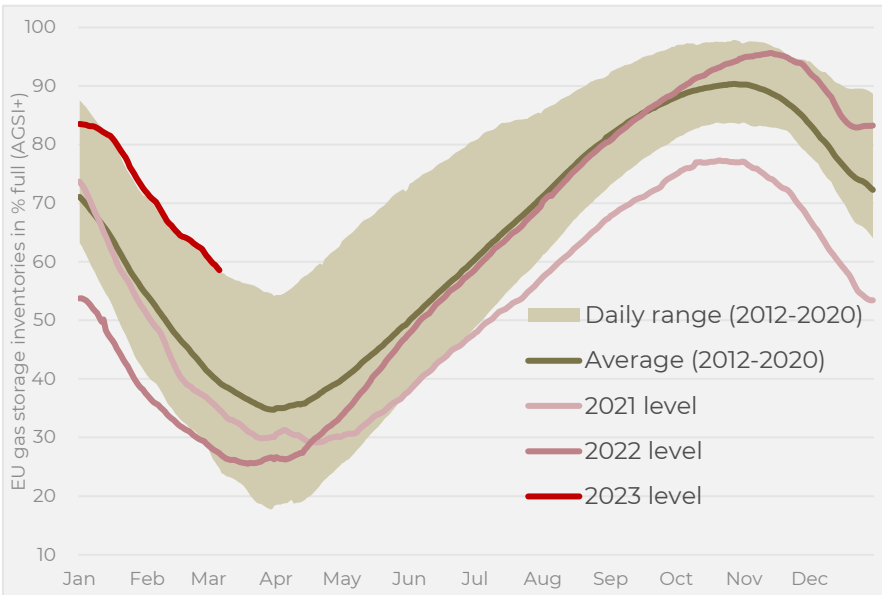


# Energy crisis

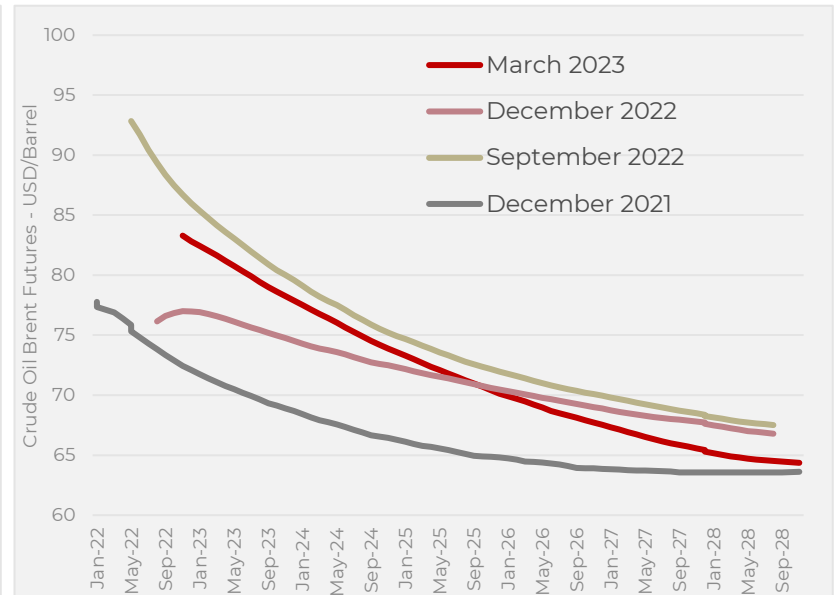
## Energy markets are facing a severe supply crisis

- Energy markets are potentially facing their most severe supply crisis since the 1990 Gulf War
- Right now, we have a crude oil Brent price of around \$80/b after a lot of downside scenarios happened
  - A market crash, recession fears, an oil demand decline in China because of a Zero-Covid policy, record high release of US Strategic Petroleum Reserves
  - High and persistent level of backwardation in many commodity markets as an evidence of scarcity
- Europe had filled its gas reserves for the winter through alternative supplies
  - LNG imports in 2022 up 70% from 2021 levels but also demand destruction or substitution. However, half of those LNG imports came resp. were resold from China on weak demand and may be prove difficult to repeat in 2023
  - We had an all-time high record coal consumption of 8bn tonnes in 2022 +1.2% YoY
- Saudi Arabia's energy minister Prince A. bin Salman has also indicated that there is a disconnect between futures prices and fundamentals, and that OPEC+ cut production, bringing the OPEC+ floor back in play

Despite the natural gas cuts from Russia, the pace of inventory refilling in Europe was above average levels thanks to alternative supplies



Oil curve in a high backwardation over 2022 and longer-term futures prices holding above >\$65/b



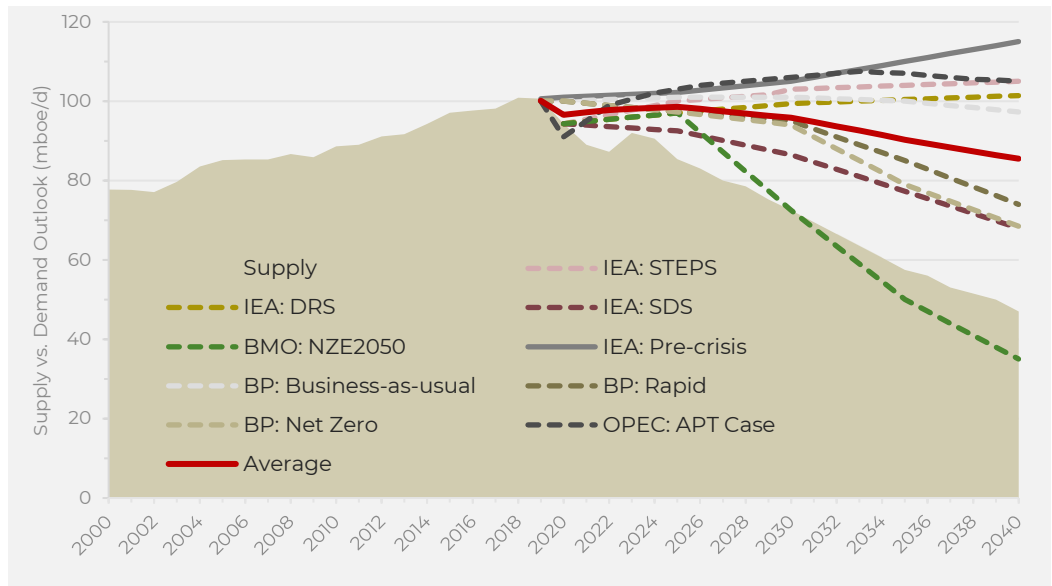
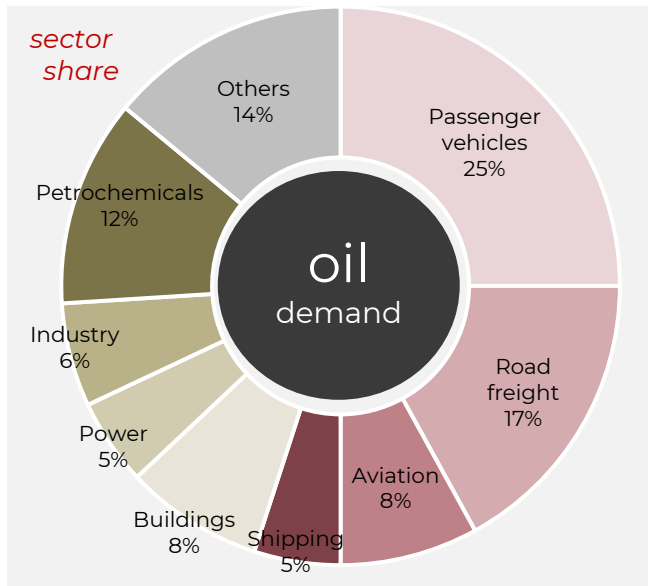


# Oil demand

## Significant debate on the future of oil

- There is an increasingly aggressive push by many developed countries to dramatically reduce or eliminate the consumption of fossil fuels and move into renewables. However, transitions do not happen overnight
- In fact, oil demand increased and recovered to pre-pandemic levels in 2022 and will grow through 2030 according to most analysts before it begins a slow, inexorable decline
  - History shows that demand growth was negative in only 10 years since 1965 (even during recessions)
  - IEA World Energy Outlook conceded that the world remains far from of a “net zero” trajectory, and the “Announced Pledges” of world governments to date do not translate to a meaningful decline in oil demand until after 2030
- Oil markets were mainly in deficit during the last 2 years and without the release of US Strategic Petroleum Reserves (1.5mboe/d) markets would still be in deficit
- Some scenarios show that total demand in 2040 could still be roughly in line with where it was in 2019
- The lack of investment in new supply over the last five years comes to view

The world is currently short on all forms of energy. While the energy transition is dominating the discussion, the world still depends heavily on fossil fuels and is expected to do so in the short to medium term. Oil is not only transportation and some sectors' demand is still growing

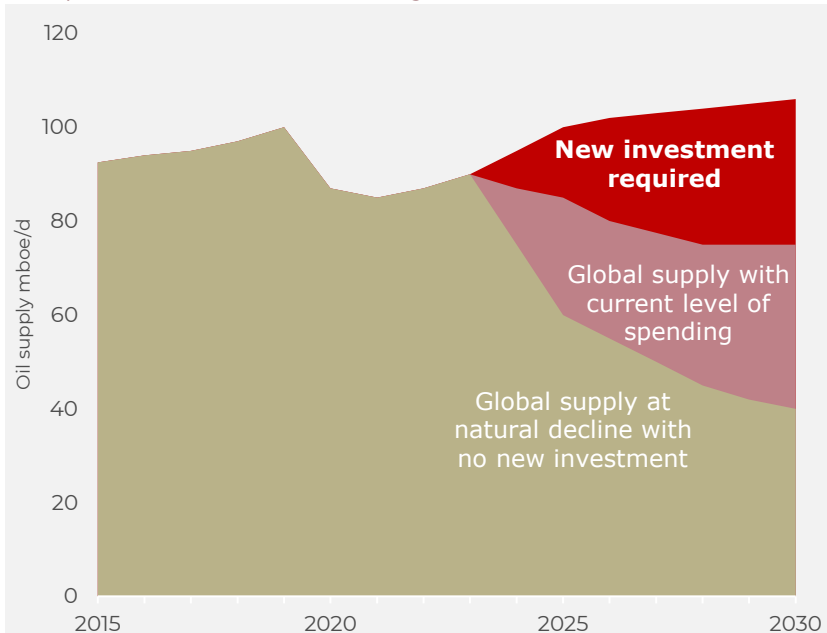


# Oil supply

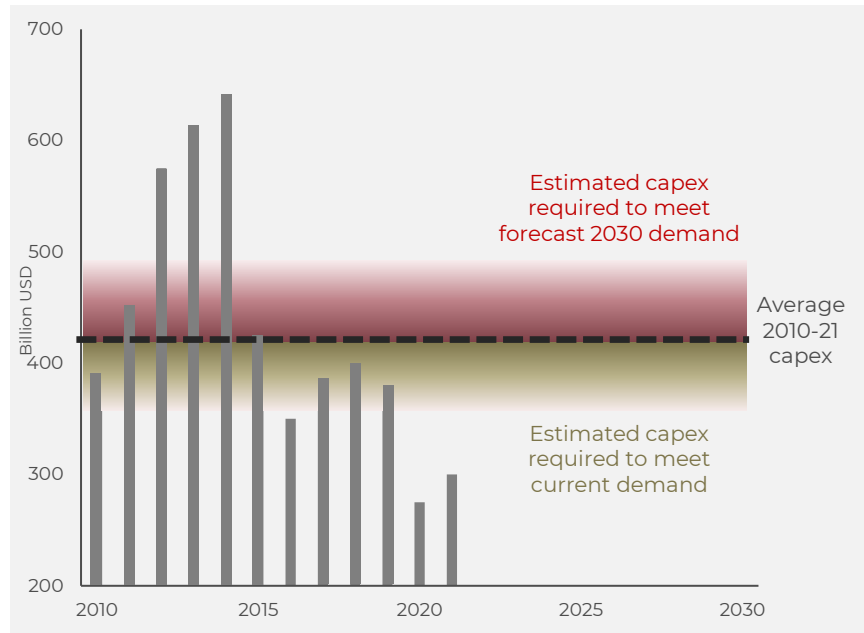
## Greater industry investment needed

- The world faces a global energy crisis on a scale not seen since the 1970's, driven in no small part by hostile government policy and social antipathy towards the energy industry
- Reinvestment rate is the lowest in over 20 years. Lack of major projects to pressure medium-term supply
  - *Capex must increase dramatically and sustainably to maintain and grow global production of oil & natural gas*
- The resulting under-investment has left the world also with little spare productive capacity
  - *Saudi just said its long-term max production capacity is probably only 13mboe/d, this is dangerous*
- According to JP Morgan energy demand is expected to exceed supply by 20% and would require \$1.3tn of incremental capital to close the gap by 2030
  - *However, despite rising commodity prices and cash flows, capital is actually exiting the industry in the form of dividends and buybacks*
- The consequences of ignoring the economic and physical realities of energy are starkly on display in Europe and in much of the developing world

To meet oil demand, substantial new investments are required to compensate for decline of existing fields



Capex is roughly half of the average level of the past decade

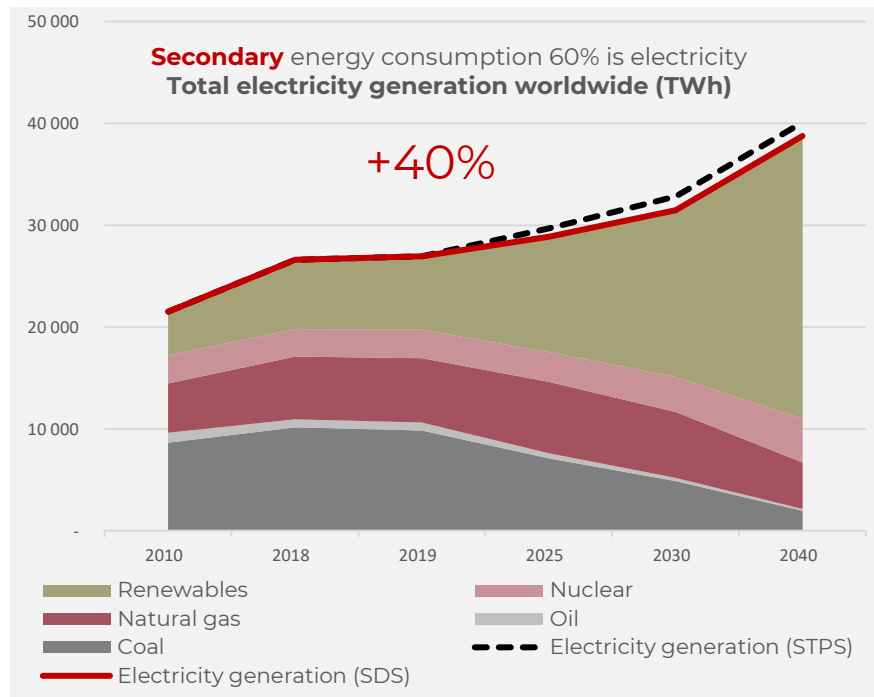
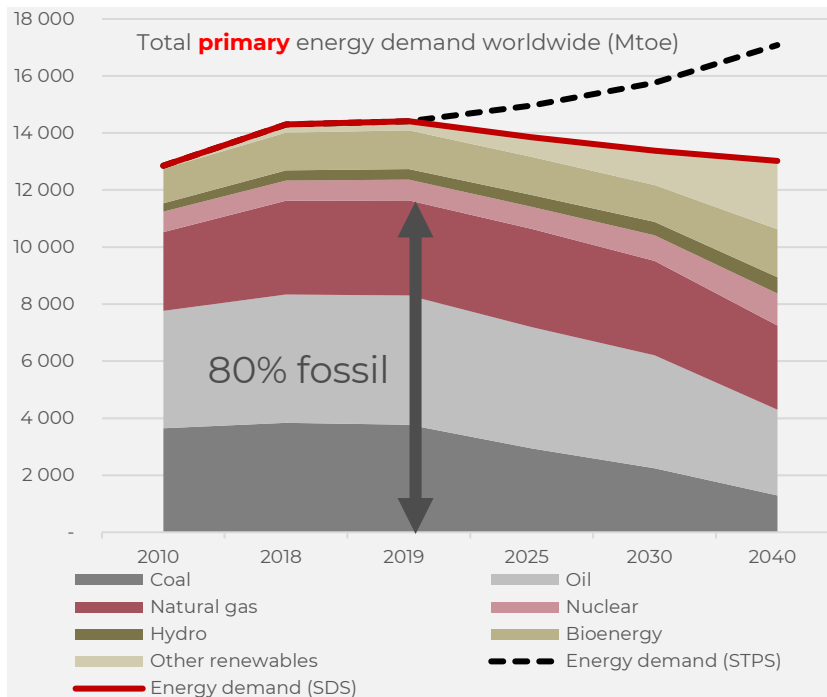


# New energy order

## No digital world without an «old» economy revival

- The world is being redefined after the challenges of the last few years. In this new world order, there is a renaissance of “old” industries, because the digitalization of the “new” world needs a lot of resources
- Structural under-investment in the “old” economy due to a decade of poor returns, particularly in energy where ESG issues have further reduced investment, leaving inadequate production capacity to meet the increasing need for electricity and infrastructure
  - *However, we still live in a material world. Energy is the bedrock of modern civilization!*
  - *Fossils resp. crude oil, natural gas and coal make up 80% of our primary energy consumption today*
- They are too important to be ignored if we want to get a smooth energy transition and bridge the gap between now and a renewable future. Otherwise, we fear it is likely to get worse before it gets better

We may reduce primary energy consumption worldwide but there is an important increase in electricity need worldwide



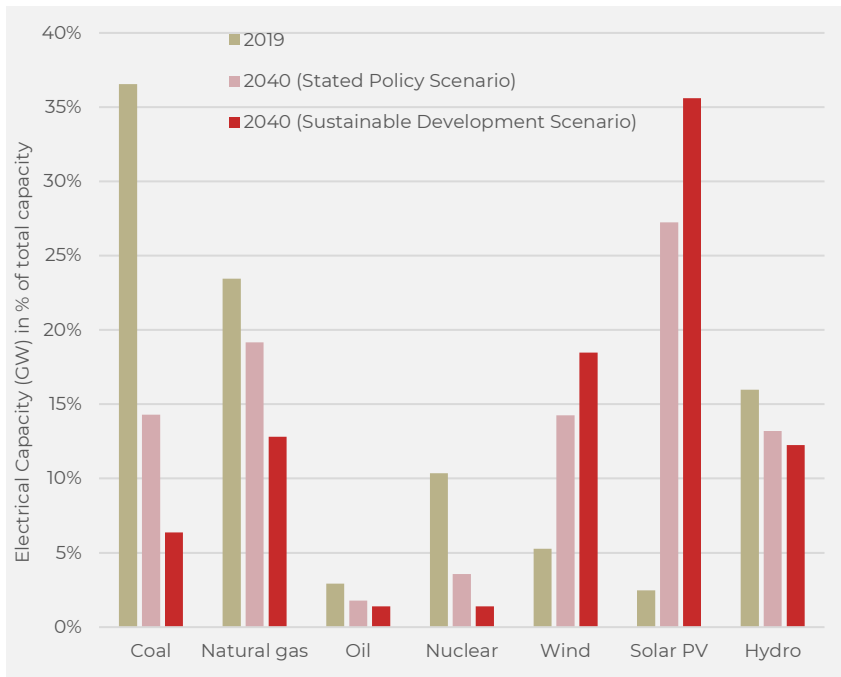
- IEA **Stated Policies Scenario** (STPS): This scenario reflects all of today's announced policy intentions and targets, insofar as they are backed up by detailed measures for their realisation.  
 - IEA **Sustainable Development Scenario** (SDS) estimates that a surge in clean energy policies and investment puts the energy system on track to achieve sustainable energy objectives, including the Paris Agreement, energy access and air quality goals.  
 Sources: Bloomberg, IEA, WEO 2020, ICG data

# Decarbonization

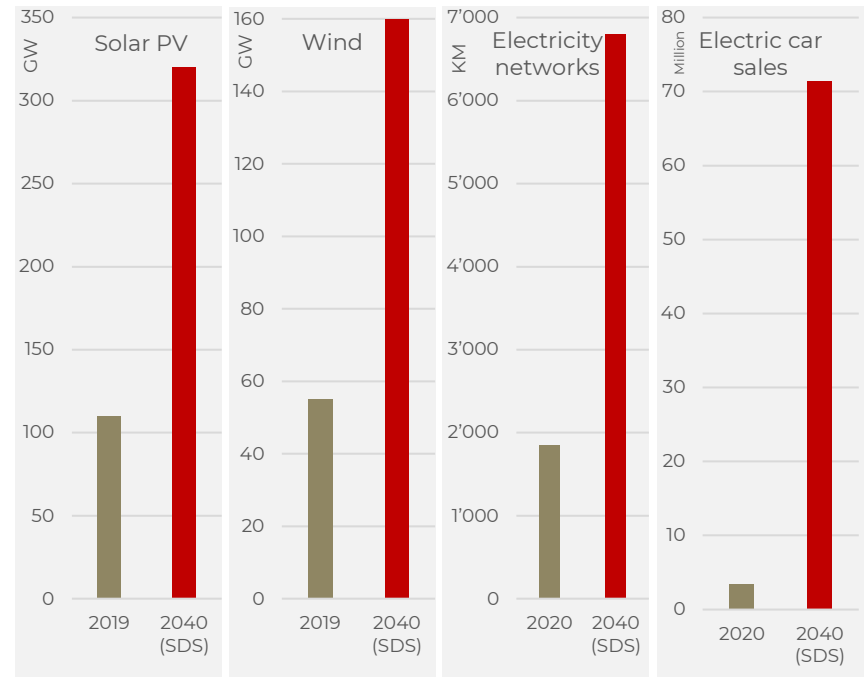
## Fast-evolving energy world, renewables have taken off

- Large infrastructure spending programs are implemented worldwide as voters are pressing for rapid decarbonization
  - Now we have visibility for a decade e.g. REPowerEU \$200Bn, Climate bill Inflation Reduction Act \$370bn
- Independently of which scenario\* you take, renewables are expected to increase significantly
- In any case, we need at least a 3 times faster yearly growth rate of new clean energy technologies to reach a greener world by 2040

Solar becomes the new king of electricity and is set to triple before 2030 under current and proposed policies



Achieving climate goals requires further rapid acceleration in clean energy deployment per year (SDS scenario)



- IEA **Stated Policies Scenario** (STEPS): This scenario reflects all of today's announced policy intentions and targets, insofar as they are backed up by detailed measures for their realisation.  
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 Sources: Bloomberg, IEA, WEO 2020, ICG data

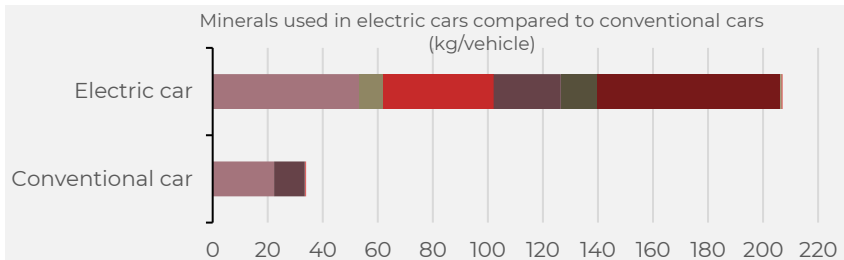
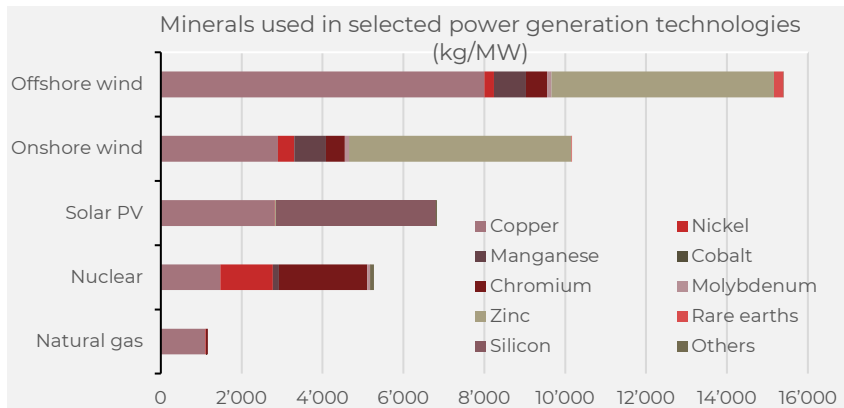


# Metals are in the heart of the supercycle

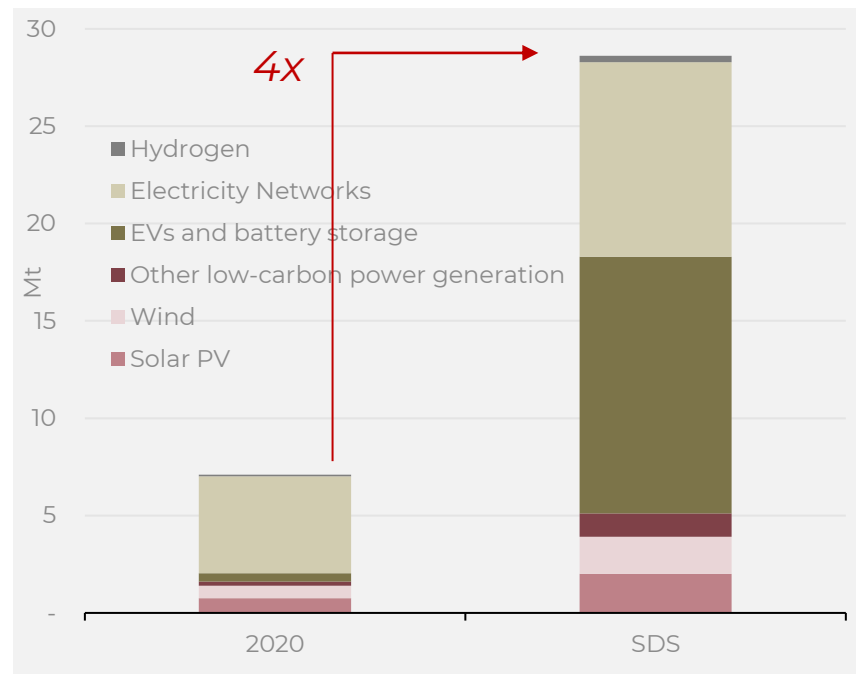
## Metal demand to quadruplicate

- An energy system powered by clean energy technologies differs profoundly from one fueled by traditional hydrocarbon resources as they generally require more minerals than their fossil fuel-based counterparts
  - *EV-related metals to increase significantly: lithium 42x, graphite 25x, cobalt 21x, nickel 19x, rare earths 7x*
- An avg 13MW offshore wind turbine\* needs 125t copper, 71t zinc, 20.8t aluminium, 5.7t nickel, 10t manganese, 1.5t molybdenum, 1'700t steel, 700t metallurgical coal, 260t iron**

Raw materials are a significant element in the cost structure of many technologies required in the energy transition



Metal demand\* for clean energy technologies would rise at least 4x by 2040 to meet climate goals, particularly EV-related metals



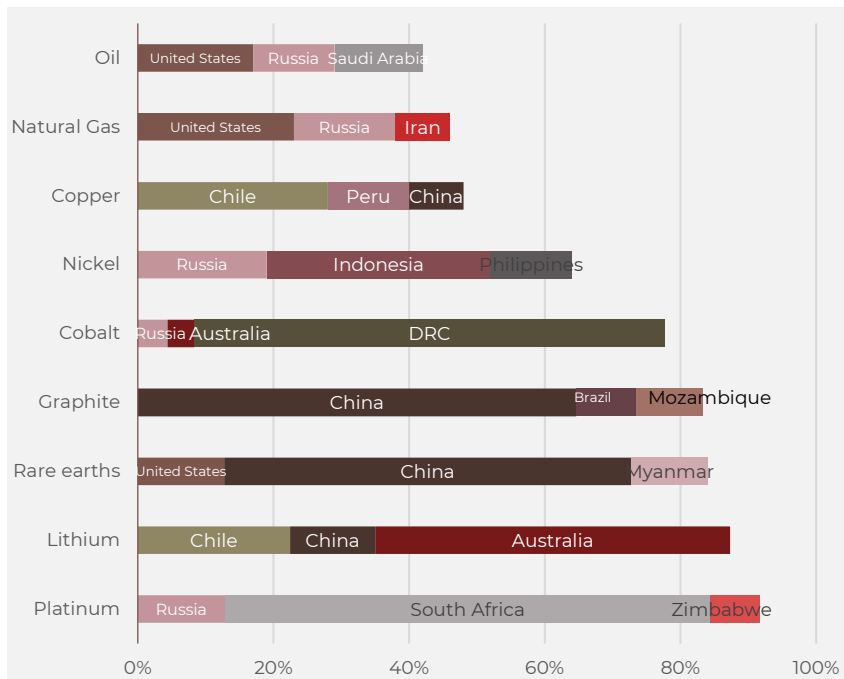
Metal demand\* according to the IEA "the role of critical minerals" excludes steel and aluminium that are also very important in the green energy transition  
 - IEA **Stated Policies Scenario** (STEPS): This scenario reflects all of today's announced policy intentions and targets, insofar as they are backed up by detailed measures for their realisation.  
 - IEA **Sustainable Development Scenario** (SDS) estimates that a surge in clean energy policies and investment puts the energy system on track to achieve sustainable energy objectives, including the Paris Agreement, energy access and air quality goals.  
 Sources: Bloomberg, IEA, WEO 2020, ICG data, \*Material usage estimates for different wind turbines (DD-EESG, DD-PMMSG, GB-PMMSG, GB-DFIG) by European Commission JRC

# The age of critical metals

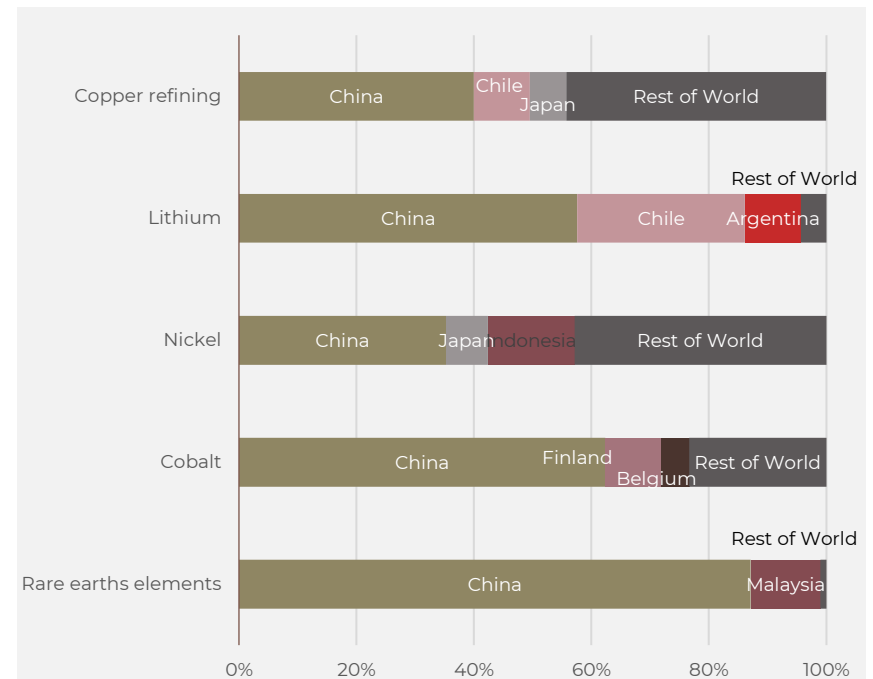
## High metal supply concentration

- Even if some metals are considered “rare” the quantity (proven reserves) are often abundant
- The more important problem is the timely access to these metals that is often “critical” because of the high concentration of production and processing
  - *Current production of many energy transition relevant materials are geographically concentrated*
  - *Emerging markets and especially China has a significant presence across the board*

Share of the top 3 producing countries in total production for selected metals and fossil fuels in 2019



Share of processing volume by country for selected metals in 2019

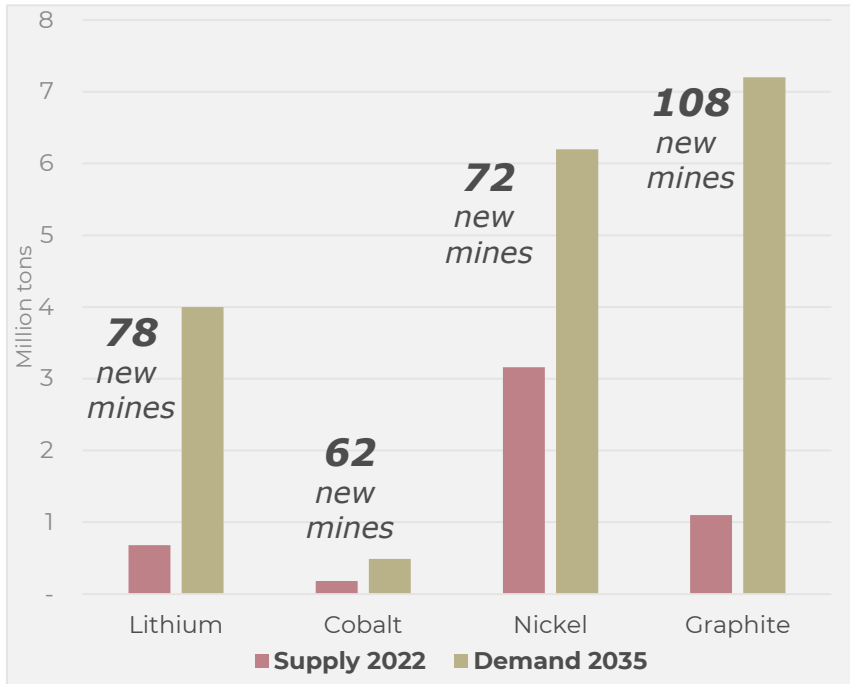


# Supply risk underestimated

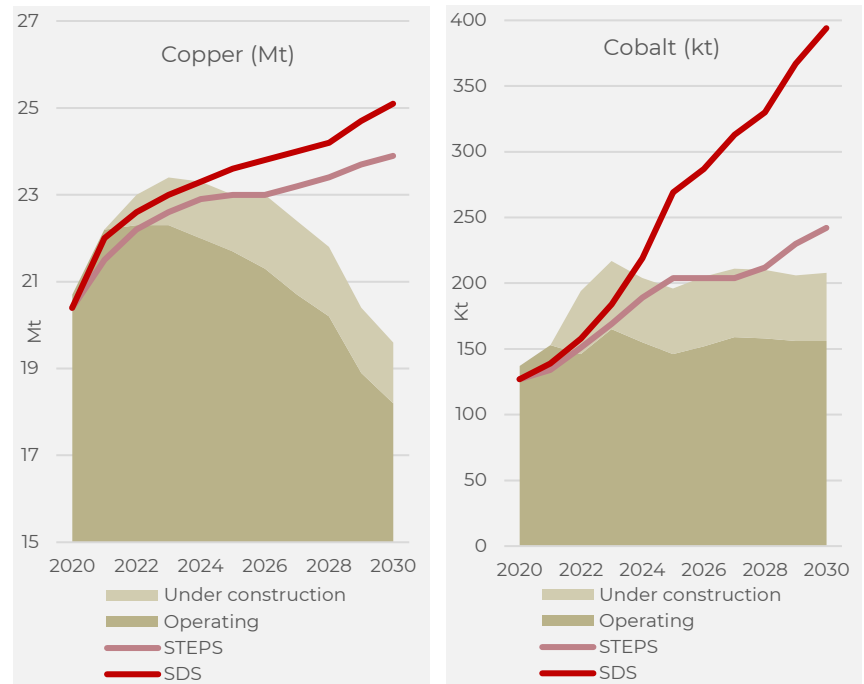
## There is a structural under-investment in supply

- Meeting primary demand in any scenario requires a strong growth in investment to bring forward new supply sources over the next decade
  - Analysts estimate an additional 7-10mt of new mine production will be needed to satisfy the projected supply gap in copper by 2030. Most projects have yet to be sanctioned.
  - \$23bn of investment a year in new copper projects, 64% higher than the avg spend over the last 30 years p.a.
- To meet zero-carbon targets, the mining industry would have to deliver new projects at a frequency and consistent level of financing never previously accomplished

Mines needed to meet global battery demand by 2035



Committed mine production and demand for copper & cobalt



Primary demand is total demand net of recycled volume (also called primary supply requirements). Projected production profiles are sourced from the S&P Global Market Intelligence database with adjustments to unspecified volumes. Operating permits include the expansion of existing mines. Under-construction projects include those for which the development stage is indicated as commissioning, construction planned, construction started or preproduction.

Average mine plant size at 45kt p.a. for lithium, 5kt p.a. for cobalt, 42kt p.a. for nickel, 57kt p.a. for graphite

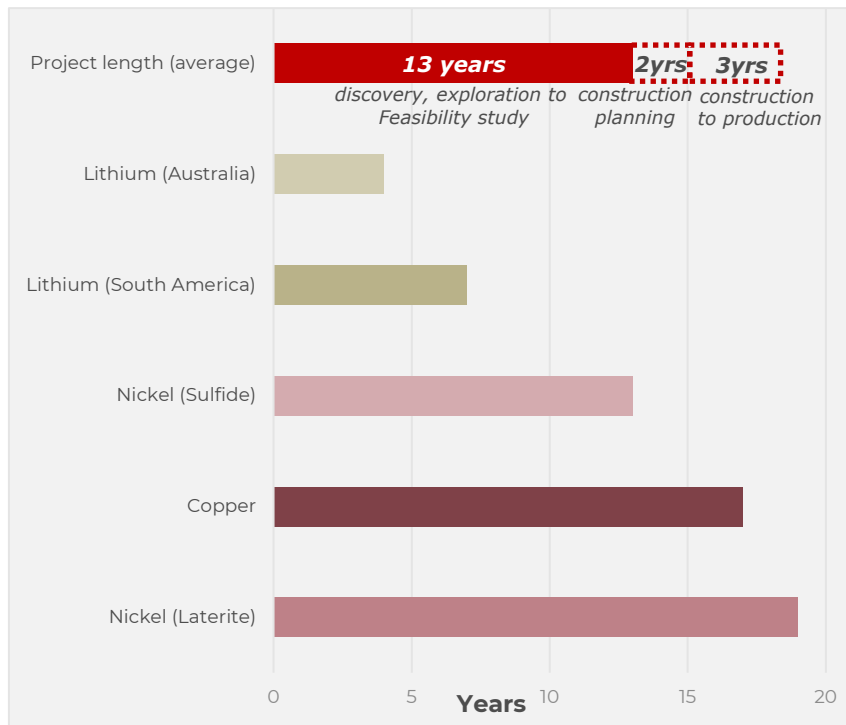
Sources: Bloomberg, IEA, S&P Global, ICG data

## Supply risk underestimated

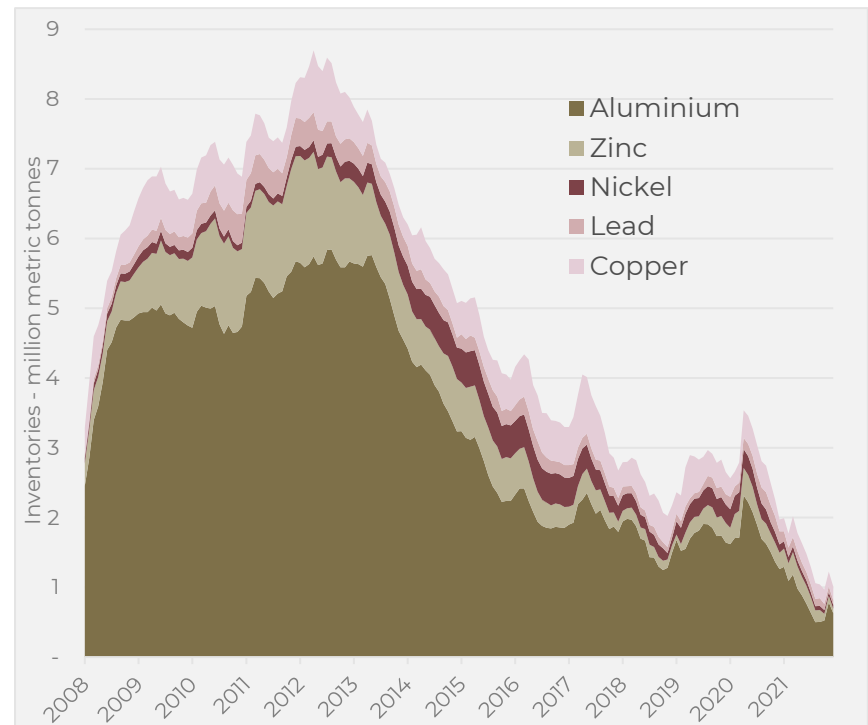
# Mining project approval rates dwindle to cyclical lows

- While for most of minerals there is not a problem of resources, the timing to bring new mines into operation is often problematic as require on average 16-17 years from the beginning to commencing output
  - *In practice, some of these projects have not been developed because of poor economics. However, even those that can offer an attractive return on investment have other hurdles to overcome prior to development*
  - *Mainly the conditions for delivering projects are challenging, with political, social and environmental hurdles higher than ever. Further to that, there is often no sufficient infrastructure, incl. power, water and transport*
- Cumulative metals deficits into mid-decade present elevated risk of stock depletion

Average mining project development lead times  
(from discovery to production)



Inventory increased due to Covid-19 but fell again



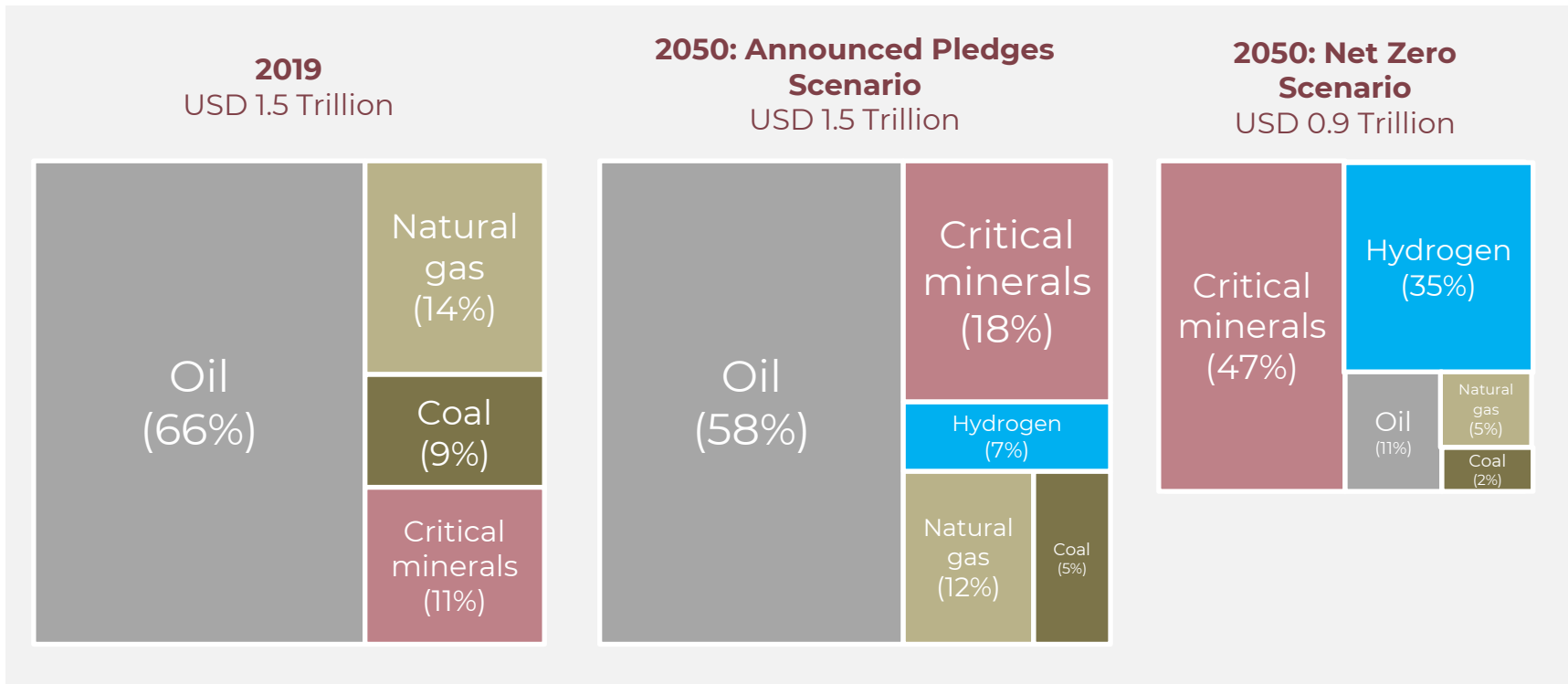


# The rise of critical minerals

## Critical minerals to become key

- The next commodity super-cycle is driven by the energy transition and metals are in the heart of the super-cycle
- Under announced pledges, a growing share of oil and gas trade flows towards developing economies in Asia
- In all scenarios, but especially in the net zero pathway, critical minerals and hydrogen-based fuels are on the rise

Value of international energy-related resource trade and the rise of new energy-related commodities



Notes:

- IEA **Announced Pledges Scenario** (APS): This scenario assumes that all climate commitments made by governments around the world, including Nationally Determined Contributions (NDCs) and longer-term net zero targets, will be met in full and on time.
- IEA **Net Zero Scenario** (NZE) which sets out a narrow but achievable pathway for the global energy sector to achieve net zero CO2 emissions by 2050

Sources: Bloomberg, IEA, WEO 2020, ICG data

## Resource «wars»

# Global resource competition to come

- The contest of models in “Cold War II” is not about ownership of the means of production
- It is about material production versus immaterial service provision
  - *Countries that focus on manufacturing (China) and resources (Russia) in the physical world against an alliance led by the US, which for the last generation has sacrificed much of its own manufacturing and mining to specialize in global leadership in finance, services, and entertainment*
- 1990, the US was the world's number-one producer of minerals
  - *Today, it is in 7th place*
- In 1954, the US was 100% dependent on imports for 8 minerals
  - *Today, the US is 100% reliant on imports for 17 minerals and depends on imports for over 50% of 29 widely used minerals. China is a significant source for half of those 29 minerals*

### To replace all UK-based vehicles today with electric vehicles\*

207'900t cobalt = 1.5 years of global output  
 264'600t lithium LCE = 3/4 year of global output  
 7'200t neodymium (RE) = 1 year of global output  
 2'362'500t copper = 1/8 year of global output  
 10'720'000t alu = 1/6 year of global output

### If wind farms are chosen to generate power for those UK cars

72'000t neodymium & dysprosium (RE) = 10 years of global output  
 20'600'000t copper = 1 year of global output  
 13'150'000t alu = 1/5 year of global output  
 1'468'000'000 steel = 4/5 year of global output



**UK has 67m people -> 32m cars and 2m cars are sold p.a.**

The US has 330m people -> 285m cars and 17m cars are sold p.a.

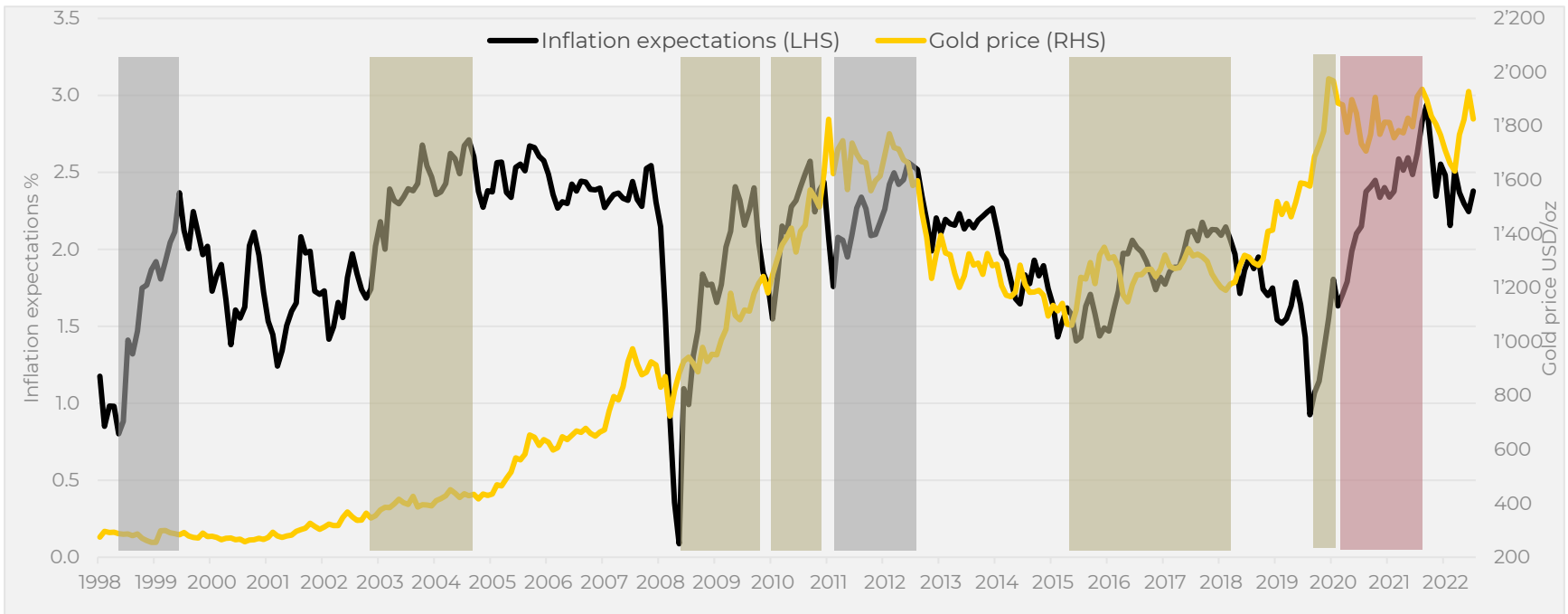
The world has 8bn people -> 1bn cars and 70m cars are sold p.a. (to grow to 120m p.a.)

# Gold

## First time gold doesn't rise with increasing inflation expectations

- Since we have been able to measure inflation expectations (via the TIPS or 10-year breakevens), historically gold has risen both nominally and in real terms every single time inflation expectations were on the rise
- Interestingly, when inflation expectations have been rising, gold has never traded down, historically
  - *This also held true immediately after the COVID-induced sharp market crash in 1Q 2020*
  - *However, the anomaly here, is that from August 2020 inflation expectations continued to rise, and gold did trade down*
  - *Currently it seems that the USD direction is having a bigger influence on the gold price than inflation trends*

Historically gold has risen both nominally and in real terms every single time inflation expectations were on the rise but this time not



Period of steadily rising inflation expectations and <b>gold price was flat</b>	Period of steadily rising inflation expectations and <b>gold price was up</b>	Period of steadily rising inflation expectations and <b>gold price was down</b>
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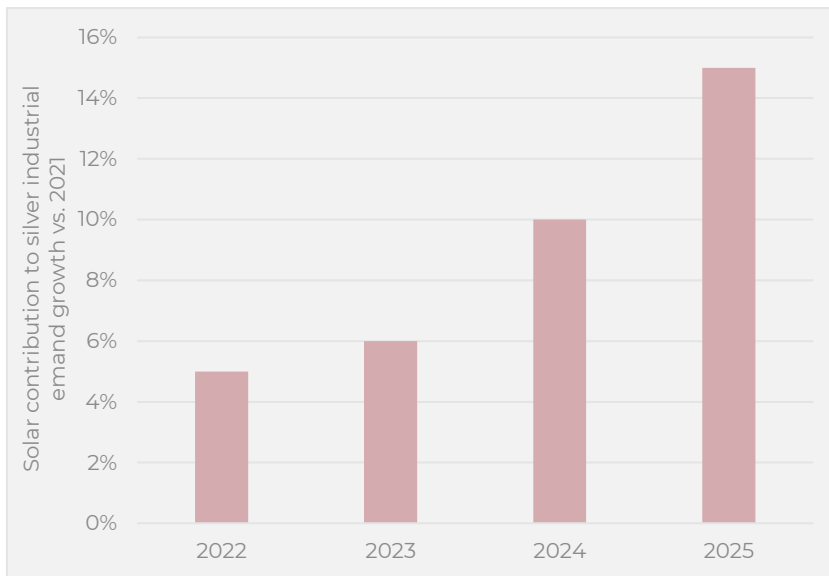
Sources: Bloomberg, ICG, Cantor Fitzgerald

## Precious metals

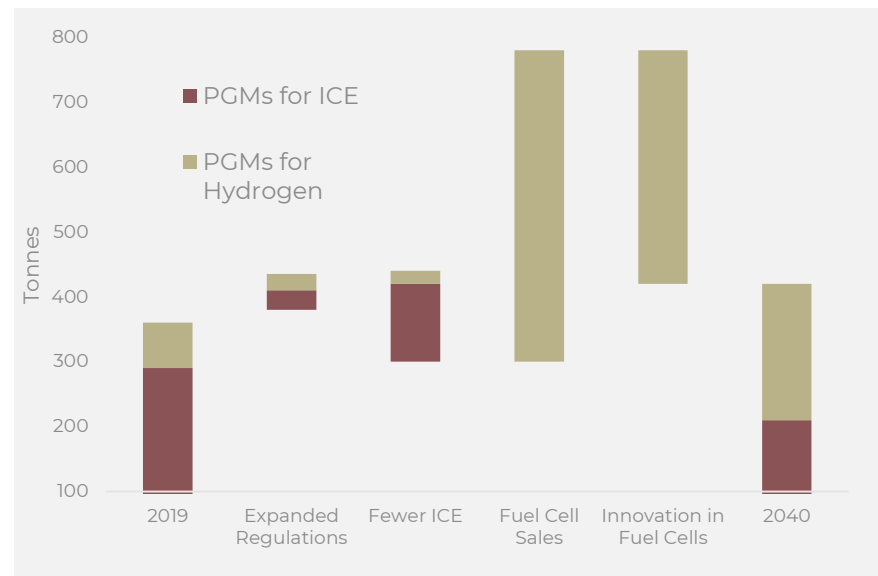
# Silver and PGM to benefit from the energy transition

- Silver plays a vital role in the production of solar cells that produce electricity
  - *Silver is the most electricity-conducting metal on the planet, is relatively fire-safe and it's also a light metal*
- The silver demand from photovoltaic (PV) doubled over the last 5 years and is increasing strongly
- Silver is already in deficit and only 27% of silver supply is primary
  - *73% of silver supply comes as a byproduct from zinc, copper, lead or gold mines*
- PGMs are mainly used in catalysts for ICE vehicles today but are also central to hydrogen catalysis and in fuel cell technology
  - *PGM markets are in a chronic deficit but are driven by the ICE vs. EV story*
  - *Expectations are that demand for fuel cells will more than replace the demand from ICE catalysts by 2040 although innovation is a wildcard in both directions*

Solar demand to boost silver industrial demand by 15% by 2025



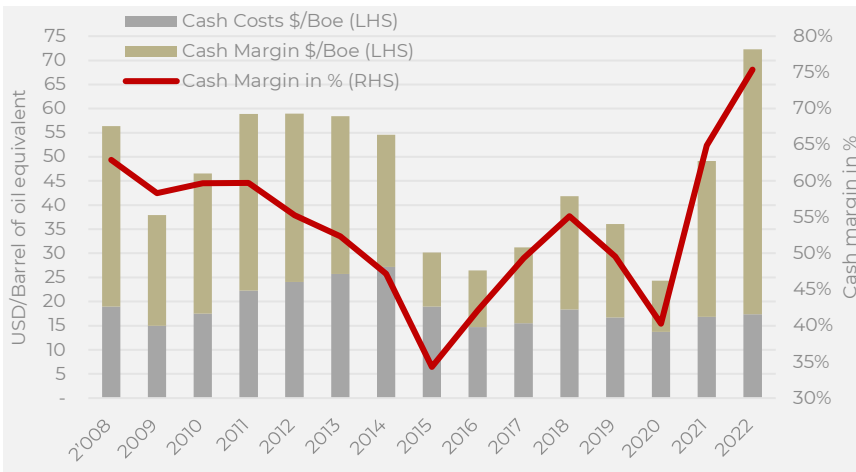
PGM demand for fuel cells to replace missing future ICE demand



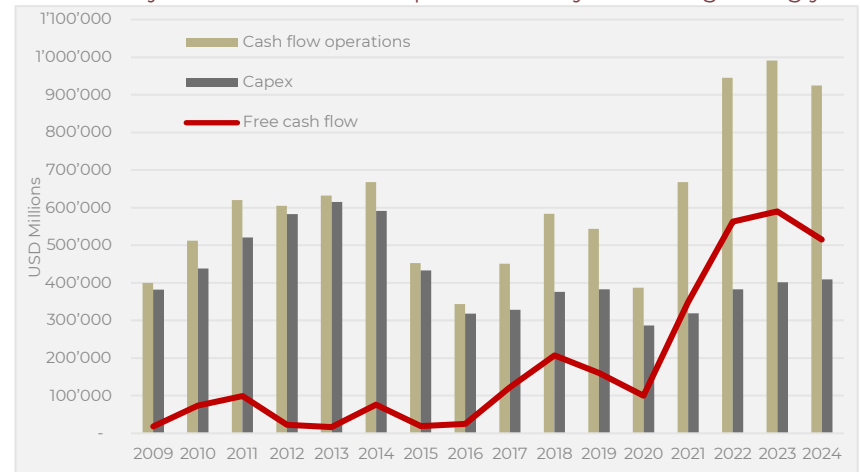
# Equity sweetspot

## Energy producers are in their best shape in history

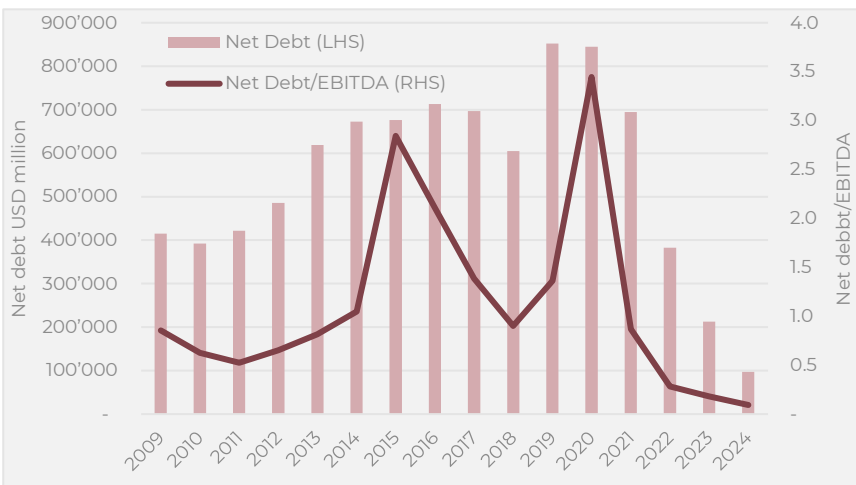
Oil & Gas producers have currently lower costs than average and twice the cash margin than average resulting in record margins



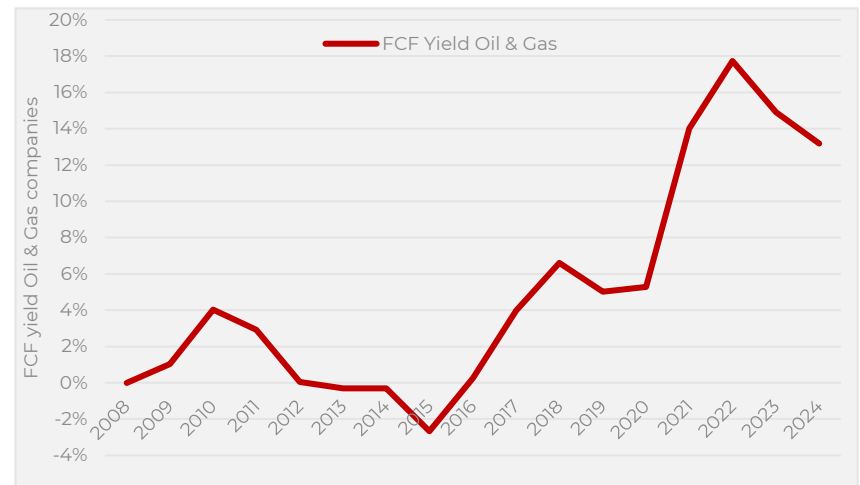
Cost deflation and the flexibility of the industry's business model was heavily underestimated – capital efficiency increasing strongly



Balance sheets to become healthier that at any point in history



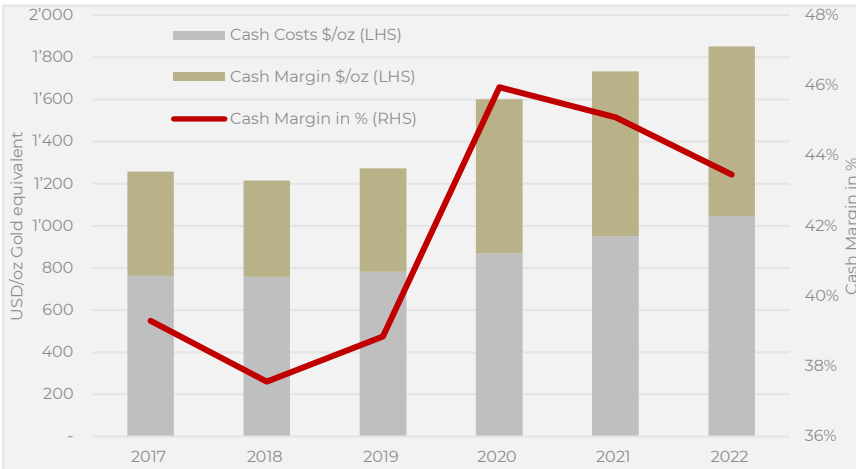
Shareholders increasingly demand that companies harvest cash flow and increase shareholder returns



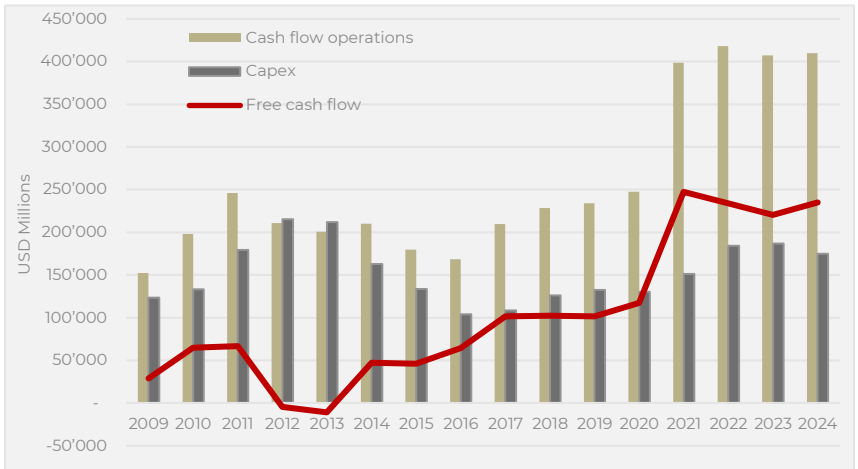
# Equity sweetspot

## Miners FCF profile improving strongly

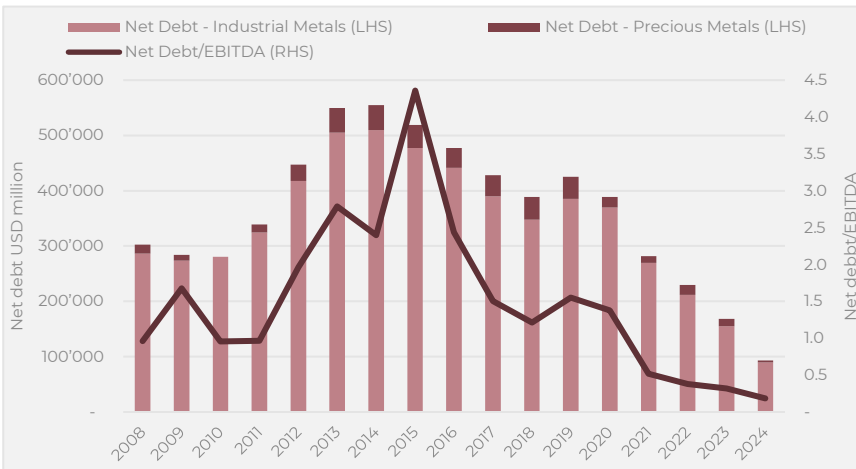
Miners cash costs increased recently amid the global inflation shock. However, margins are still above the average of the last few years



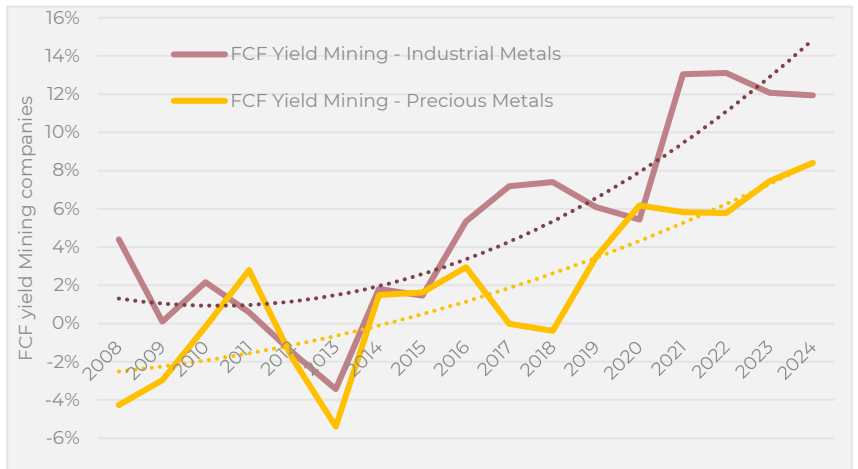
Capital efficiency increasing strongly - the reduced capex programs of the mining industry will lead to significant FCF



Balance sheets are healthier than at any point in history and most precious metals companies are already debt-free



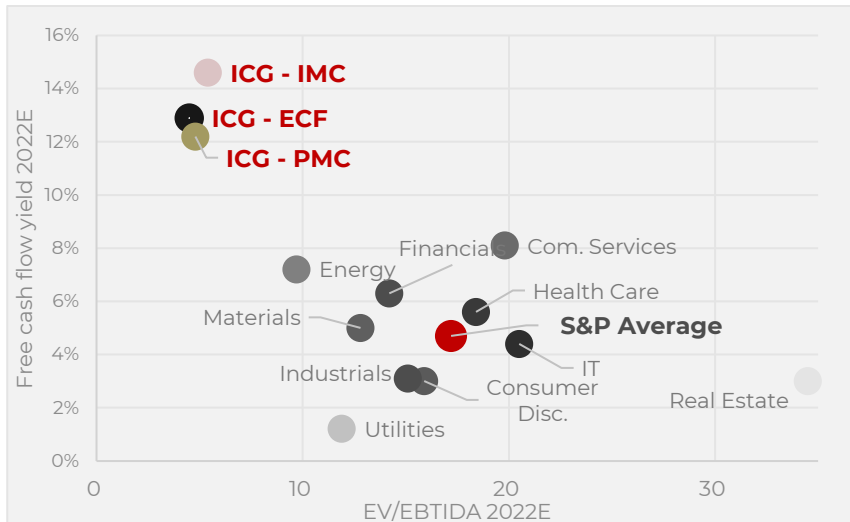
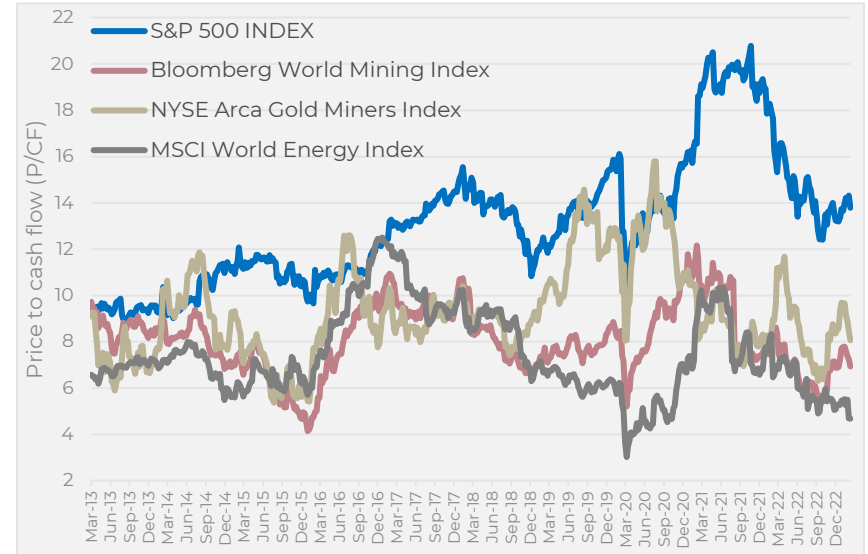
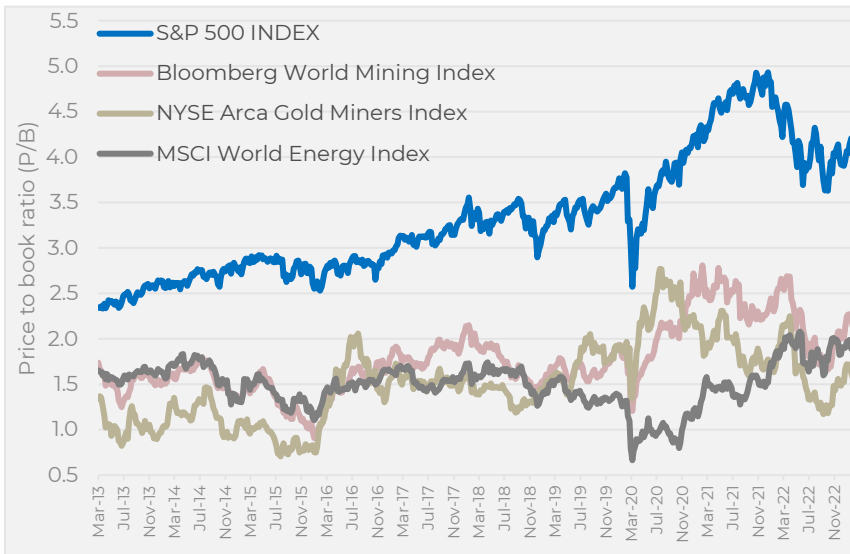
With increasing free cash flow profile, the miners are also starting to improve shareholder returns through dividends and buybacks



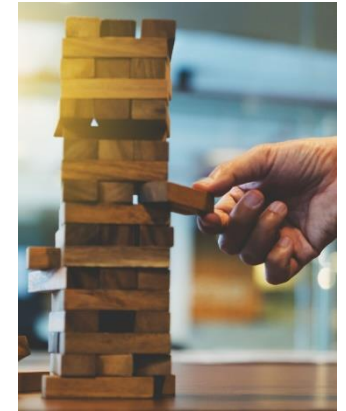
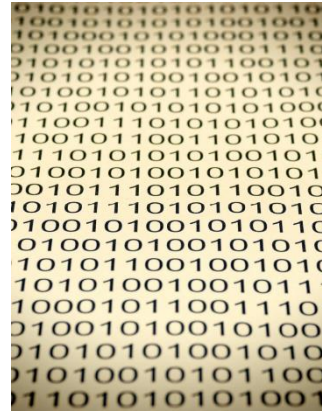


# Comeback?

## Valuation relative as well as absolute record low

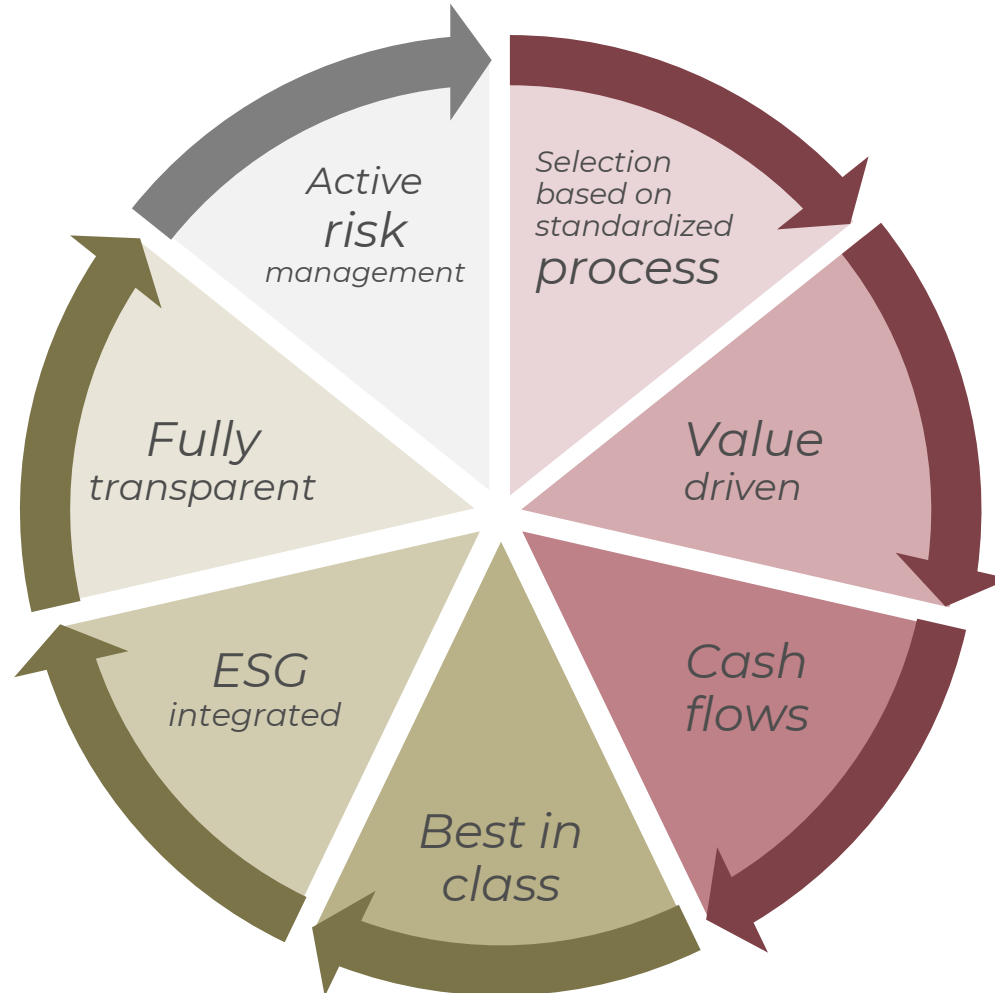


# SYSTEMATIC INVESTING



Why invest with us?  
Independent Capital Group AG

Actively managed balanced portfolio of 25 companies



# How do we do it?

## Investment process based ICG Alpha Scorecards

- All our investment funds use proven quantitative multi-factor models that are solely based on unemotional systematic and methodological process
  - Non-discretionary** stock selection
    - Our investment process is based on a quantitative approach to find the best-in-class companies
  - Non-predictive** approach with most of the analysis based on historical data
    - Our investment process is based on facts and not on "stories"
  - Consistent methodological process** which has been backtested successfully
    - Our investment process is standardized and objective
  - Balanced portfolio** instead of single stock bets or market cap weightings
    - Our investment process has a portfolio view

The ICG Alpha Scorecard is a quantitative and qualitative screening scorecard that pinpoints sector champions with strong economic « moat » based on different variables

ICG developed a proprietary data base to better analyze financial and operating figures with > 250'000 data points

**INDEPENDENT CAPITAL GROUP ICG Alpha Scorecard - Energy Champions Fund**

Year	Prime weight	4.0%	1.9%	0.6%	0.9%	5.1%	0.2%	1.9%	0.3%	1.1%	0.4%	1.7%	2.6%	1.2%	2.8%	0.5%	0.9%	0.4%	1.4%	4.8%	4.5%	3.4%	0.7%	3.3%	0.8%	1.0%	0.4%	0.4%	-0.6%	0.3%	0.2%	1.7%	-0.1%	3.4%		
2018	Age points	23.6	20.8	26.9	20.0	29.9	3.0	23.6	11.7	49.7	16.5	50.1	44.9	25.8	40.8	42.1	26.7	17.2	25.3	19.0	30.7	37.0	5.9	24.4	6.7	7.0	34.7	3.7	-9.7	7.9	5.7	29.8	19.1	-2.8	29.6	
Benchmark	Name	Cap. mgn	Turnover	Div. Yield	EV/EBITDA	EV/EBITDA	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF	EV/FCF
BPT US Equity	HARER RESOURCES INC	1.4	39	44%	42%	20%	6.1	57%	37%	35	100	7	14	5.0	66%	0.1	48	16	3	24%	35%	45%	13	35%	4.2	13	0.8	38	45	28	33	51	91	-	59	
BH US Equity	CONOCO INC	1.3	46	51%	59%	8%	8.0	122	87%	50%	30	44	10	19	22	0.0	43	4	4	26%	44%	48%	10	57%	1.6	3.1	0.9	30	33	51	28	102	51	48		
GEN US Equity	GENIE ENERGY PLC	4.3	25	10%	87%	24%	2.0	14%	89%	67%	100	8	8	10	133	209%	0.0	-	15	6	61%	69%	79%	0.4	2%	1.9	1.6	0.5	68	100	51	83	4	-	43	
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# ICG Alpha Scorecard Variables

- The ICG Alpha Scorecard is based on multiple variables (statistically robust dependence of performance to scorecard variables). Variables are based on a mix of financial and operational figures as well as soft criteria

## ICG Alpha Scorecard

Asset Quality	Value	Sustainability (ESG)	Dividends	Balance Sheet	Behavioral Finance
<ul style="list-style-type: none"> <li>Profitability</li> <li>Cash margins</li> <li>ROIC adj.</li> <li>Avg ROCE</li> <li>Production growth debt adj</li> <li>Full cycle ratio</li> <li>Operatorship</li> <li>Asset diversif.</li> <li>Inventory depth</li> <li>...</li> </ul>	<ul style="list-style-type: none"> <li>M&amp;A multiple on 1P, 2P reserves &amp; risked resources</li> <li>P/B</li> <li>P/CF</li> <li>FCB/B</li> <li>EV/DACF</li> <li>Relative EV/EBITDA</li> <li>...</li> </ul>	<ul style="list-style-type: none"> <li>Emission/boe produced &amp; 1P</li> <li>Energy intensity/boe</li> <li>Pollution/boe</li> <li>Women ratio</li> <li>Community spending</li> <li>Fatalities</li> <li>Board ind.</li> <li>...</li> </ul>	<ul style="list-style-type: none"> <li>Dividend yield estimates</li> <li>Shares buyback</li> <li>Div. growth</li> <li>Last div yield</li> <li>Previous div. growth</li> <li>Dividend health</li> <li>...</li> </ul>	<ul style="list-style-type: none"> <li>CFPS</li> <li>Net debt/CFO-interest exp.</li> <li>Net debt/1P reserves</li> <li>Funding capacity</li> <li>Liquidty</li> <li>Size</li> <li>Capex/CFO</li> <li>...</li> </ul>	<ul style="list-style-type: none"> <li>Momentum</li> <li>Short interest change</li> <li>Volatility</li> <li>Newsflow</li> <li>Analyst rating</li> <li>Estimate revisions</li> <li>Risk appetite</li> <li>...</li> </ul>

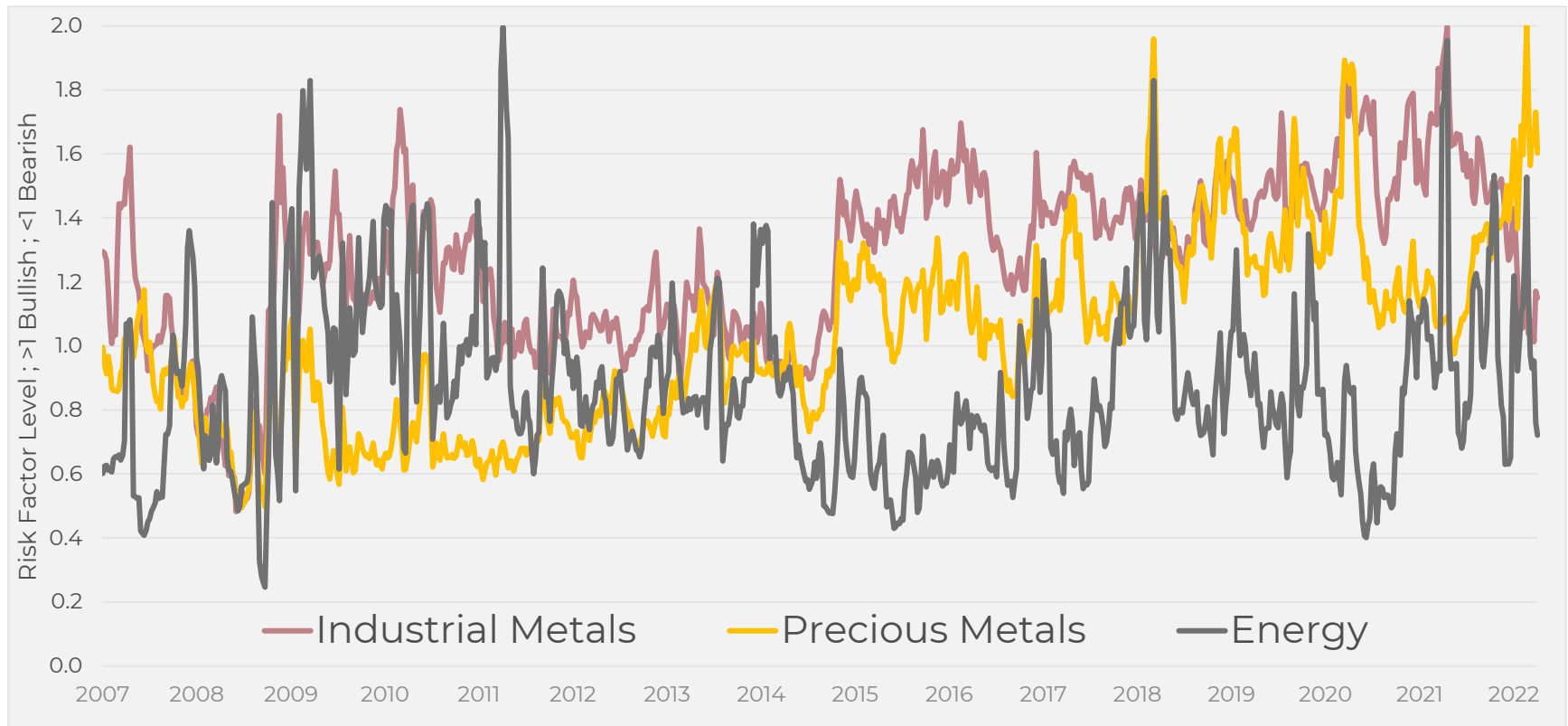
**ICG proprietary data base**

## ICG Risk Factor Model

### Dynamic and systematic asset allocation

- ICG applies a rule based systematic approach to define the current attractiveness of the main sub-sectors: energy, industrial metals, precious metals and agriculture for equities and commodities
- For this the ICG team developed a dynamic **risk factor model** for each sub-sector

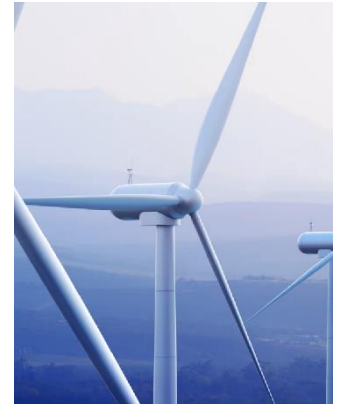
The risk factor model shows **“Bullish > 1.0x and Bearish < 1.0x”** and according to that the we adjust the exposure and market risk to each sub-sector: energy, industrial metals and precious metals





# SUSTAINABILITY

## DONE IN A PRAGMATIC WAY



# Sustainability

## Our funds got strong MSCI ESG Ratings

- The Sustainability (ESG) is an integrated part of the investment process and makes **at least 20%** of the total scores of the ICG Alpha Scorecard. We publish quarterly ESG reports for each fund

### MSCI ESG RATINGS



CCC	B	BB	BBB	A	AA	AAA
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### MSCI ESG RATINGS



CCC	B	BB	BBB	A	AA	AAA
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### MSCI ESG RATINGS



CCC	B	BB	BBB	A	AA	AAA
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#### INDUSTRIAL METALS CHAMPIONS FUND

ESG Quarterly Report 4Q 2020

**Responsible Investment**  
Sustainability is an integrated part of the ICG investment process. The Sustainability (ESG) part makes at least 20% of the total scores of the ICG Alpha Scorecard

**ICG Alpha Scorecard ESG results**

Category	IMC	Universe	Delta
Environmental	1.8	6.4	-72%
CO2/production	4716	7678	-39%
GHG/production	151	155	-3%
Energy intensity	2329	3116	-25%
Fuel used/production	220	235	-6%
Spills/production	4	54	-93%
Water recycled	20%	75%	-73%

**IMC environmental footprint** **better -30%**

**Independent ESG rating score** **better -7%**

**Average position among the Sustainalytics Universe**  
IMC companies 8'935 out of 13'410 companies

**MSCI ESG Research**  
An MSCI ESG Rating is designed to measure a company's resilience to long-term, industry material environmental, social and governance (ESG) risks. MSCI uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. MSCI ESG Ratings range from leader (AAA, AA), average (A, BBB, BB) to laggard (B, CCC).

**IMC MSCI ESG Rating** **better** **34.2**

Negl.	Low	Med.	High	Severe
0-10	10-20	20-30	30-40	40+

**MSCI ESG score** **better** **65%**

CCC	B	BB	BBB	A	AA	AAA
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**IMC MSCI ESG Rating** **slightly above average**

**IMC governance score** **better** **26%**

IMC	Universe	Delta
Governance	30%	27%
Disclosure score	66%	43%
Policy score	64%	33%
Board independence	60	61
Board avg. age	21.6%	11.5%
Insider ownership	3.9%	3.0%
Govt ownership	56	49
Country risk		

#### PRECIOUS METALS CHAMPIONS FUND

ESG Quarterly Report 4Q 2020

**Responsible Investment**  
Sustainability is an integrated part of the ICG investment process. The Sustainability (ESG) part makes at least 20% of the total scores of the ICG Alpha Scorecard

**ICG Alpha Scorecard ESG results**

Category	PMC	Universe	Delta
Environmental	0.2	0.2	0%
CO2/production	0.5	0.7	-29%
GHG/production	52	109	-52%
Energy intensity	784	1'023	-23%
Fuel used/production	0.1	0.1	0%
Spills/production	11	107	-90%
Water recycled	41%	68%	60%

**PMC environmental footprint** **better -19%**

**Independent ESG rating score** **better -11%**

**Average position among the Sustainalytics Universe**  
PMC companies 8'780 out of 13'410 companies

**MSCI ESG Research**  
An MSCI ESG Rating is designed to measure a company's resilience to long-term, industry material environmental, social and governance (ESG) risks. MSCI uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. MSCI ESG Ratings range from leader (AAA, AA), average (A, BBB, BB) to laggard (B, CCC).

**PMC MSCI ESG Rating** **better** **31.7**

Negl.	Low	Med.	High	Severe
0-10	10-20	20-30	30-40	40+

**PMC MSCI ESG Rating** **above average**

**PMC MSCI ESG score** **better** **160%**

CCC	B	BB	BBB	A	AA	AAA
-----	---	----	-----	---	----	-----

**PMC MSCI ESG Rating** **slightly above average**

**PMC governance score** **better** **28%**

PMC	Universe	Delta
Governance	44%	19%
Disclosure score	68%	31%
Policy score	77%	46%
Board independence	61	60
Board avg. age	9.8%	5.2%
Insider ownership	2.2%	0.7%
Govt ownership	59	58
Country risk		

#### ENERGY CHAMPIONS FUND

ESG Quarterly Report 4Q 2020

**Responsible Investment**  
Sustainability is an integrated part of the ICG investment process. The Sustainability (ESG) part makes at least 20% of the total scores of the ICG Alpha Scorecard

**ICG Alpha Scorecard ESG results**

Category	ECF	Universe	Delta
Environmental	14.5	43.0	-66%
CO2/production	22.8	54.3	-58%
GHG/production	0.4	2.1	-81%
Energy intensity	473	1'034	-54%
Gas flaring/production	6.5	6.1	7%
Spills/production	2.1	9.0	-77%
Embedded carbon/1000	0.4	0.5	-20%

**ECF environmental footprint** **better -50%**

**Independent ESG rating score** **better -11%**

**Average position among the Sustainalytics Universe**  
ECF companies 8'780 out of 13'410 companies

**MSCI ESG Research**  
An MSCI ESG Rating is designed to measure a company's resilience to long-term, industry material environmental, social and governance (ESG) risks. MSCI uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. MSCI ESG Ratings range from leader (AAA, AA), average (A, BBB, BB) to laggard (B, CCC).

**ECF MSCI ESG Rating** **better** **38.9**

Negl.	Low	Med.	High	Severe
0-10	10-20	20-30	30-40	40+

**ECF MSCI ESG Rating** **above average**

**ECF MSCI ESG score** **better** **19%**

ECF	Universe	Delta
Governance	38%	27%
Disclosure score	59%	41%
Policy score	74%	70%
Board independence	59	61
Board avg. age	12%	6%
Insider ownership	6%	5%
Govt ownership	65	65
Country risk		

# Miners setting targets

## ESG efforts of the miners is underestimated

- The Mining industry is facing pressure from governments, investors and society to reduce their emissions
  - An increasing number of mining companies are committing to reduce emissions
  - The industry has only just begun to set emission-reduction goals
- Carbon reduction needs investments and will affect commodity prices
  - E.g. Rio Tinto announced that they target a 50% cut of Scope 1 and 2 by 2030 and expects to directly invest roughly \$7.5 billion between 2022 and 2030 to achieve that aim
- Decarbonization will vary by geography, segment, commodity and executives' own priorities

### Net CO2 emission reduction pledges for the top mining companies

Company	Scope 1 and 2		Scope 3	
	2021 - 2030	Long term	2021 - 2030	Long-term
Rio Tinto	50%	100%	15%	100%
Newmont	30%	100%	15%	100%
Mitsui	50%	100%	50%	100%
Glencore	40%	100%	50%	100%
Vale	33%	100%		15%
BHP	30%	100%	30 – 40% i	
Anglo American	30%	100%		
Teck Resources	33%	100%		
Fortescue Metals Group	26%	100%		

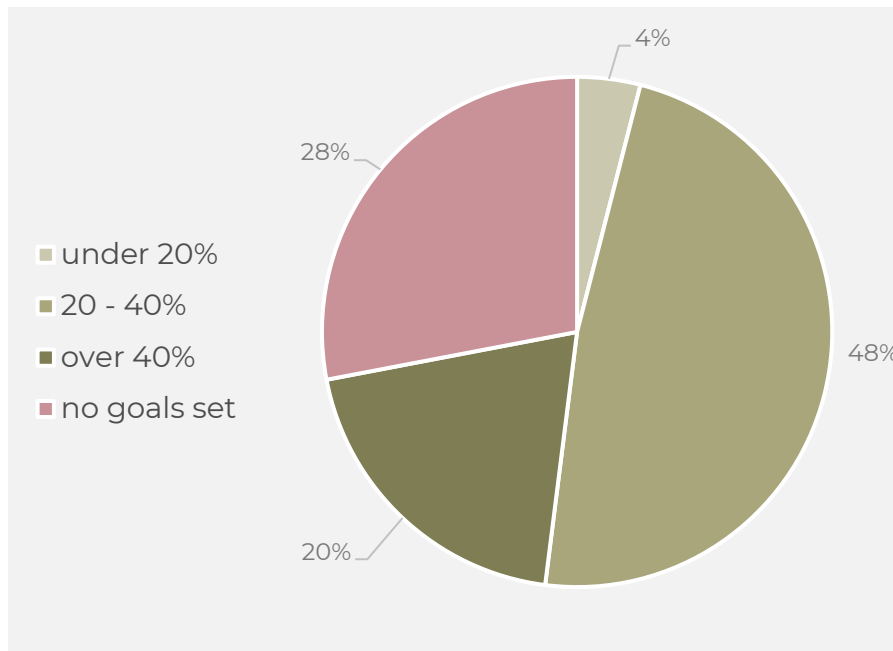
Notes: Reductions can account for CO2 removal (e.g. through afforestation or direct air capture) and emission credits (generated by emission reductions in other sectors). Long-term targets include pledges to be fulfilled in 2035, 2040 or 2050. i = intensity target

## IMC portfolio

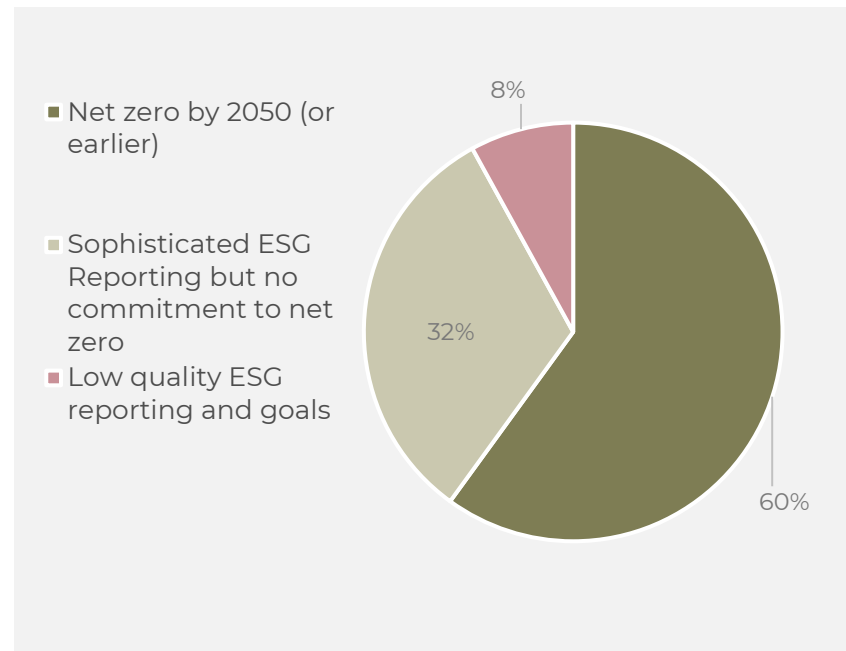
# We actively seek for the ESG «Champions»

- The decarbonization potential for mines varies by commodity, mine type, power source, and grid emissions, among other factors.
- However, mines theoretically can fully decarbonize through
  - *Electrification – electrifying mining processes and equipment – e.g. Newmont in Canada*
  - *Renewable energy – use and innovation in renewable energy – e.g. Codelco & BHP use solar power in Chile, Atalaya is building a solar plant directly at the mine, Fortescue is investing R&D in hydrogen*
  - *Operational efficiencies – recycling – e.g. Antofagasta big investments in South America for water recycling as the access to water may become a critical stress factor by 2040*

Roughly 75% of IMC portfolio companies are committed to reduce their own carbon emissions by 2030

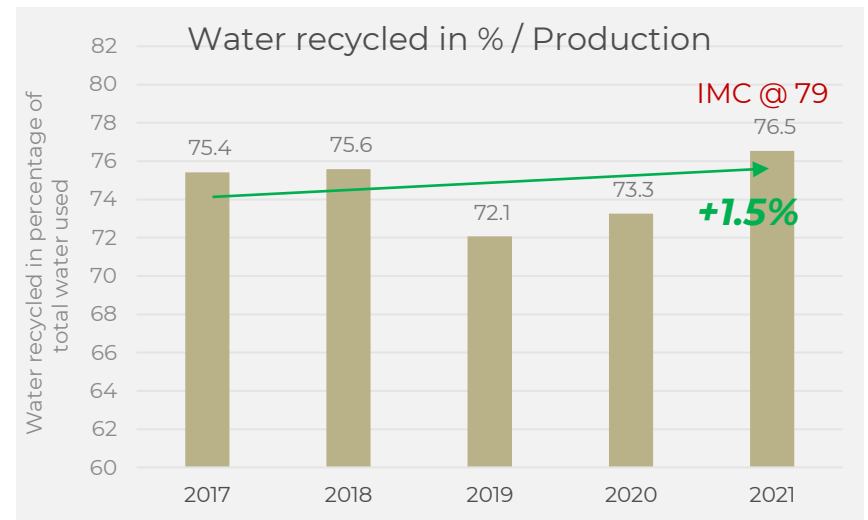
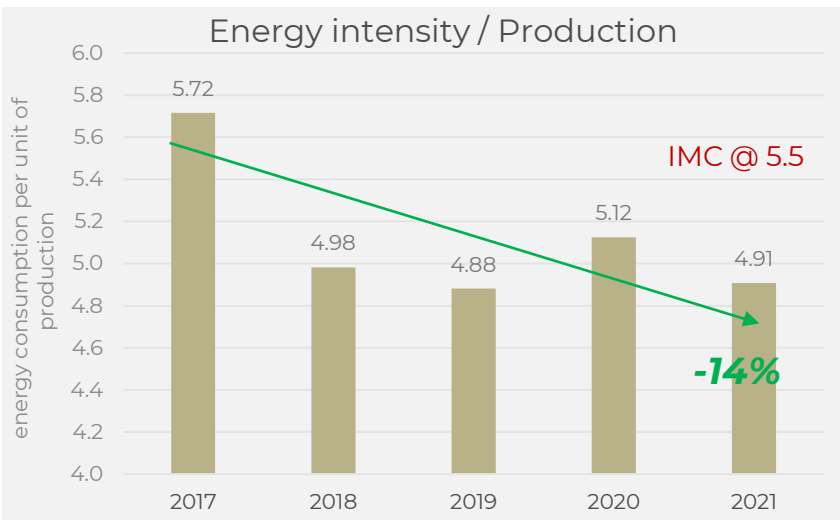
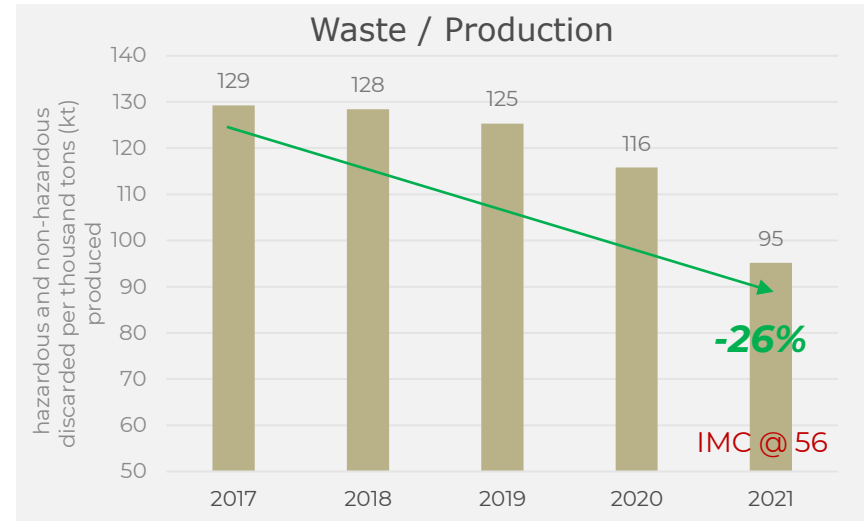
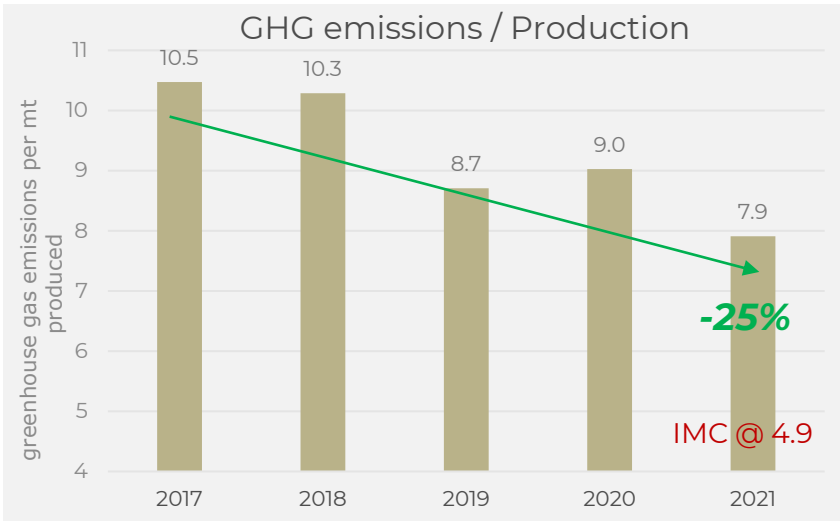


Over 90% of IMC portfolio companies have set the target of being carbon neutral by 2050 and/or have sophisticated ESG reporting in place



## ESG impact already visible

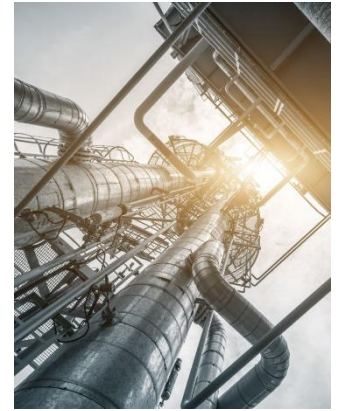
# ESG improvements of the Miners are underestimated





# ENERGY

## CHAMPIONS FUND





# Energy Champions Fund Performance

**MSCI**  
ESG RATINGS



CCC B BB BBB A **AA** AAA

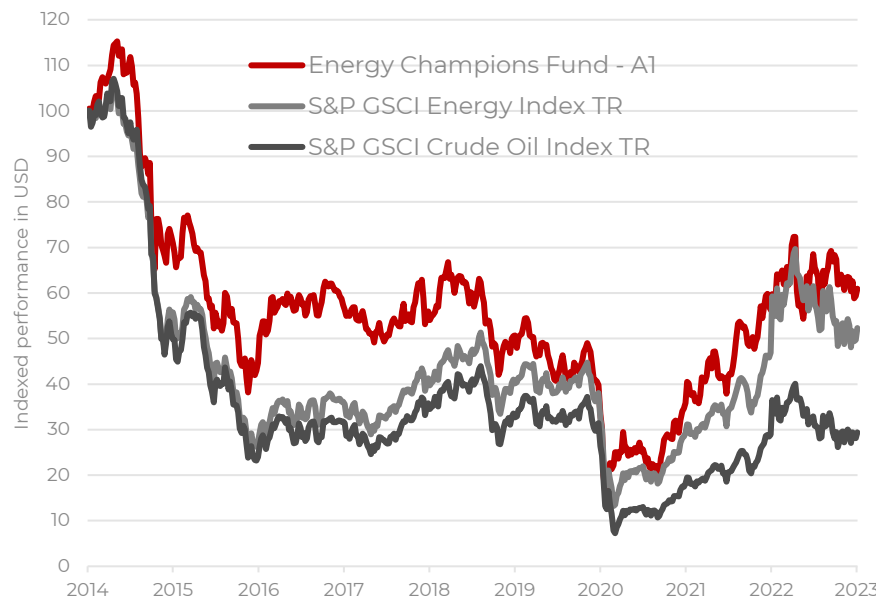


**INDEPENDENT**  
CAPITAL GROUP

ECF performance over 1 year at 1%



Indexed performance since inception vs. S&P GSCI Energy Index TR and S&P GSCI Crude Oil Index TR



Cumulative performance, net total return

Share class	FX		NAV 06.03.2023	March	YTD	CY2022	CY2021	2 Years	3 Years	5 Years	Since inception*
Retail	USD	Acc.	60.7	2.4%	-3.8%	25.2%	80.4%	49.8%	100.7%	10.6%	-39.3%
Institutional	USD	Distr.	526.5	2.4%	-3.7%	26.0%	81.6%	51.7%	104.6%	14.2%	-39.5%
<i>Percentile scoring to peers acc. Bloomberg</i>						60%	99%	76%	10%		

\*Inception share class A1 & A2 was 28.02.2014, share class I2 was 12.09.2014

# Energy Champions Fund

## Portfolio transparency

<b>Financials</b>	<b>ECF</b>	MSCI World Energy	<b>Operating</b> Upstream companies	<b>ECF</b>	MSCI World Energy*	<b>All 25 holdings</b>	<b>ECF</b>
Number of holdings	25	60	Production in kboe/d	184	819	CHORD ENERGY CORP	4.6%
Upstream in %	90%	76%	Share of oil in production	55%	59%	MURPHY OIL CORP	4.5%
Market cap	\$23bn	\$175bn	Production CAGR 2021-2025E	9.1%	4.3%	BP PLC	4.5%
P/B	1.8x	2.6x	Cash costs \$/boe	12.6	18.3	AKER BP ASA	4.4%
P/Cash Flow	2.8x	6.8x	F&D costs organic \$/boe	13.5	17.2	PETROLEO BRASILEIRO	4.4%
EV/EBITDA 2023E	2.8x	5.9x	Reserve valuation EV/1P (Proven Reserves) \$/boe	15.7	23.3	GALP ENERGIA SGPS SA	4.3%
EV/EBITDA 2024E	2.9x	6.1x	Reserve valuation EV/2P Reserves \$/boe	10.2	14.4	PDC ENERGY INC	4.3%
P/E 2023E	5.7x	10.2x	Resource valuation EV/Resources \$/boe	6.6	7.6	DIAMONDBACK ENERGY INC	4.3%
P/E 2024E	6.6x	10.6x	1P Reserve Life in years	11.6	11.5	EQUINOR ASA	4.3%
EBITDA Margin 2023E	64%	34%	Reserve replacement ratio (RRR Index)	107%	52%	WOODSIDE ENERGY GROUP LTD	4.3%
FCF yield 2023E	17.5%	10.8%	Operated assets	73%	60%	MOL HUNGARIAN OIL AND GAS PL	4.3%
FCF yield 2024E	15.8%	9.8%	Drilling success rate 3 years avg	63%	68%	VAR ENERGI ASA	4.3%
ROE	34%	26%				SM ENERGY CO	4.3%
ROIC	33%	23%				PIONEER NATURAL RESOURCES	4.2%
Dividend yield	6.3%	3.5%				CHESAPEAKE ENERGY CORP	4.2%
Net debt/ equity	60%	40%				EQT CORP	4.2%
Insider ownership	11.7%	1.0%				COMSTOCK RESOURCES INC	4.1%
						ARC RESOURCES LTD	4.0%
						TOURMALINE OIL CORP	4.0%
						BIRCHCLIFF ENERGY LTD	3.3%
						DNO ASA	3.2%
						SERICA ENERGY PLC	3.1%
						GENEL ENERGY PLC	3.0%
						RANGER OIL CORP-A	2.4%
						VERMILION ENERGY INC	2.2%

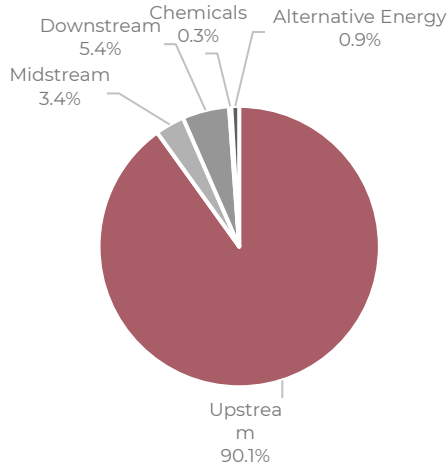
All figures based on weighted averages as per 01.02.2023

\*Operating data based only on the Upstream producers

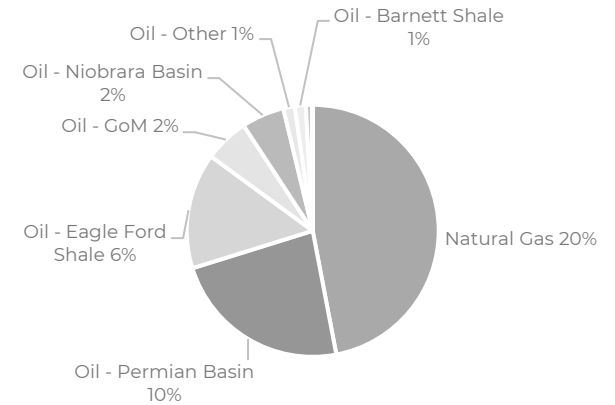
Sources: Bloomberg, ICG Database

# Energy Champions Fund Portfolio exposure

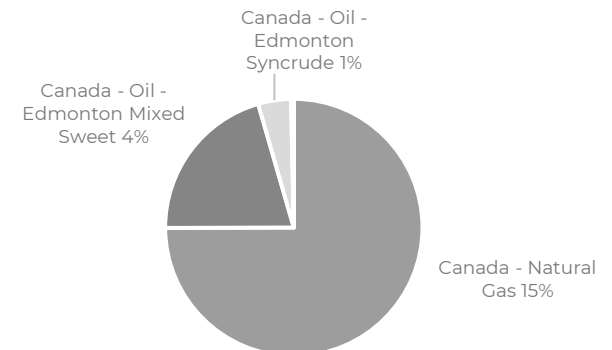
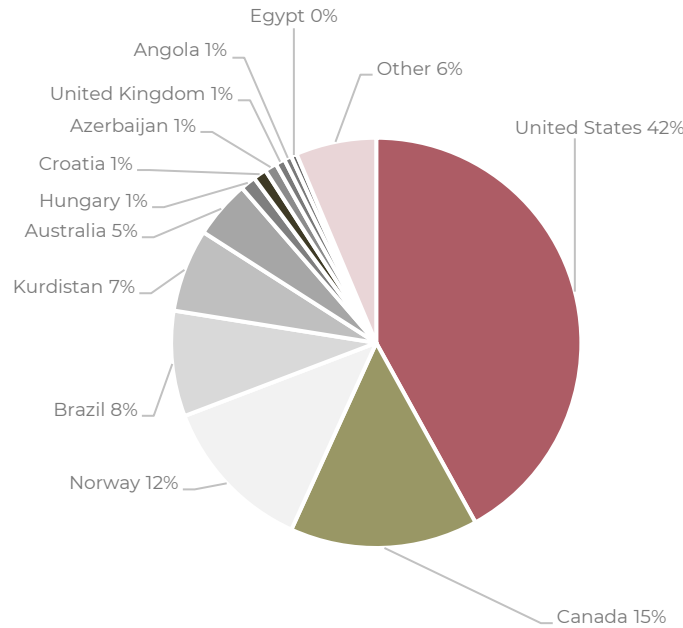
## Sub-segment exposure



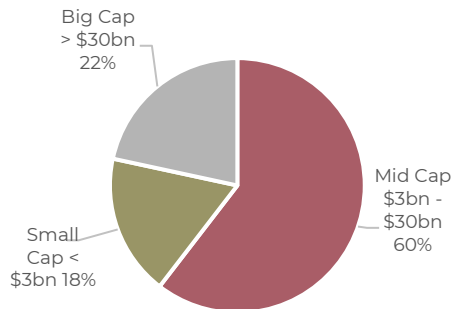
## North America Exposure



## Production exposure in BOE



## Market cap segmentation



All figures based on weighted averages as per 20.01.2023  
Sources: Bloomberg, ICG Database

# Energy Champions Fund

## At a glance




### Fund details & how to invest

Share classes	I1 Retail
Currency	USD
Distribution	Accumulating
Main Bloomberg ticker	WFECI2D LX Equity
ISIN	LU1092312823
Valoren number	Pending
Mgmt fee p.a.	0.65%
Min. subscription	1 share
Trading frequency	Daily, no lock-up, no redemption fees
Legal status	Luxembourg SICAV with UCITS-IV status
Launch date	March 2014
Fund size	USD 26.0 million
Benchmark	MSCI World Energy Index
Custodian	Credit Suisse AG

More share classes available on request

### Monthly Newsletter

## ENERGY CHAMPIONS FUND




**ECF Factsheet** June 2021

**Fund objectives**  
The fund aims to generate long term capital growth by primarily investing in equities from companies offering exposure to the energy market.

**Fund facts**  
Investment manager: Independent Capital Group AG  
Fund name: White Fleet II Energy Champions Fund  
Legal status: Luxembourg SICAV with UCITS IV status  
Base currency: USD  
NAV calculation: Daily

**Performance over 1 year +85.9%**



**Cumulative net performance in USD**

	NAV	3 June	YTD	CY2020	3 Year	Since Inception
Class A1	46.0	10.2%	64.8%	-42.4%	-27%	-54%
Class A2	49.8	10.2%	64.8%	-42.4%	-28%	-54%
Class E2	402.8	10.2%	65.3%	-42.0%	-26%	-55%*

**Share classes**  
I1 Institutional USD class, accumulating

**Main Bloomberg ticker**  
WFECI2D LX Equity

**ISIN**  
LU1092312823

**Dealing & prices**  
I1 0.65%

**Next Subscription**  
I1 USD 10m

**Trading frequency**  
Daily

**Monthly comment**  
Oil recently rallied to above \$70/bbl, its highest level since October 2018. Unlike then, when the market was supported by excessive fear of a potential stop in Iran oil exports, the current rally is driven by a steadily tightening physical market, with strengthening time spreads across WTI, Brent and Dubai. The tight WTI-Brent differential implies that North America is driving the current deficit, as local demand rebounds in the face of inelastic local supply. This tightening is in fact running slightly ahead of most analyst expectations, with high-frequency mobility and flying data pointing to global demand currently near \$7.5mb/d and with shipping data pointing to a still moderate ramp-up in OPEC+ exports. Goldman Sachs estimates that the global market is in a 2.3mb/d deficit currently, with the remaining excess inventories down to 330mb. At the current rate of draws, this excess will be gone within 3 months. However, oil prices are down this week as the market awaits the next OPEC+ decision, scheduled for July 1. While the need for higher OPEC+ output is clear, there remains uncertainty on the magnitude of this next output hike. Ultimately, much more OPEC+ supply will be needed to balance the oil market by 2022. Analysts forecast demand to rise by an additional +2mb/d by year-end, leaving for a 5mb/d supply shortfall, well in excess of what Iran (1mb/d max) and US shale producers can bring online (expected up 0.3mb/d through year-end). Therefore, it's not so surprising to see some commodity traders like Targa or bank analysts like Bank of America saying oil may surge to \$100/bbl next year. After the hard times of 2019/20, the higher oil prices come initially as a relief and now as an opportunity for the oil and gas producers. Firstly, a wider array of organic developments should provide good returns with budgeting at \$60/bbl; and secondly, the large-scale continuing divestment by the major oil companies - driven by a push towards greener energy - is providing scope for inorganic growth. Oil and gas companies are generating record free cash flows currently and valuation continue to be depressed. Further to that, futures prices for crude oil and natural gas remain well ahead of sell-side consensus expectations based on data compiled by Bloomberg. This suggests material CP / EPS revisions are anticipated in the coming months. We continue to see the current environment as a very attractive investment opportunity for the natural resource sector.

PDF

### ESG Quarterly

**INDEPENDENT CAPITAL GROUP** ESG Quarterly - 2022 - 4Q

**ESG Score** 87.2 (vs. MSCI World Energy Index 83.1)

**Environmental** 87.2 (vs. MSCI World Energy Index 83.1)

**Social** 87.2 (vs. MSCI World Energy Index 83.1)

**Governance** 87.2 (vs. MSCI World Energy Index 83.1)

Company	ESG Score	Weight	ESG Risk
ExxonMobil	85.0	15.0%	High
Shell	84.0	12.0%	High
BP	83.0	10.0%	High
ConocoPhillips	82.0	8.0%	High
Equinor	81.0	7.0%	High
Enbridge	80.0	6.0%	High
NextEra Energy	79.0	5.0%	High
FirstEnergy	78.0	4.0%	High
Constellation Energy	77.0	3.0%	High
NRG Energy	76.0	2.0%	High
EDF Energy	75.0	1.0%	High
Envestra	74.0	1.0%	High
Energy East	73.0	1.0%	High
Energy Services	72.0	1.0%	High
Energy Transfer	71.0	1.0%	High
Energy Fuels	70.0	1.0%	High
Energy Services	69.0	1.0%	High
Energy Services	68.0	1.0%	High
Energy Services	67.0	1.0%	High
Energy Services	66.0	1.0%	High
Energy Services	65.0	1.0%	High
Energy Services	64.0	1.0%	High
Energy Services	63.0	1.0%	High
Energy Services	62.0	1.0%	High
Energy Services	61.0	1.0%	High
Energy Services	60.0	1.0%	High
Energy Services	59.0	1.0%	High
Energy Services	58.0	1.0%	High
Energy Services	57.0	1.0%	High
Energy Services	56.0	1.0%	High
Energy Services	55.0	1.0%	High
Energy Services	54.0	1.0%	High
Energy Services	53.0	1.0%	High
Energy Services	52.0	1.0%	High
Energy Services	51.0	1.0%	High
Energy Services	50.0	1.0%	High
Energy Services	49.0	1.0%	High
Energy Services	48.0	1.0%	High
Energy Services	47.0	1.0%	High
Energy Services	46.0	1.0%	High
Energy Services	45.0	1.0%	High
Energy Services	44.0	1.0%	High
Energy Services	43.0	1.0%	High
Energy Services	42.0	1.0%	High
Energy Services	41.0	1.0%	High
Energy Services	40.0	1.0%	High
Energy Services	39.0	1.0%	High
Energy Services	38.0	1.0%	High
Energy Services	37.0	1.0%	High
Energy Services	36.0	1.0%	High
Energy Services	35.0	1.0%	High
Energy Services	34.0	1.0%	High
Energy Services	33.0	1.0%	High
Energy Services	32.0	1.0%	High
Energy Services	31.0	1.0%	High
Energy Services	30.0	1.0%	High
Energy Services	29.0	1.0%	High
Energy Services	28.0	1.0%	High
Energy Services	27.0	1.0%	High
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Energy Services	24.0	1.0%	High
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Energy Services	20.0	1.0%	High
Energy Services	19.0	1.0%	High
Energy Services	18.0	1.0%	High
Energy Services	17.0	1.0%	High
Energy Services	16.0	1.0%	High
Energy Services	15.0	1.0%	High
Energy Services	14.0	1.0%	High
Energy Services	13.0	1.0%	High
Energy Services	12.0	1.0%	High
Energy Services	11.0	1.0%	High
Energy Services	10.0	1.0%	High
Energy Services	9.0	1.0%	High
Energy Services	8.0	1.0%	High
Energy Services	7.0	1.0%	High
Energy Services	6.0	1.0%	High
Energy Services	5.0	1.0%	High
Energy Services	4.0	1.0%	High
Energy Services	3.0	1.0%	High
Energy Services	2.0	1.0%	High
Energy Services	1.0	1.0%	High
Energy Services	0.0	1.0%	High

PDF

# INDUSTRIAL METALS

## CHAMPIONS FUND



# Industrial Metals Champions Fund Performance

**MSCI**  
ESG RATINGS



**INDEPENDENT**  
CAPITAL GROUP

CCC B BB BBB A **AA** AAA

IMC performance over 1 year at **-10%**



Indexed performance IMC since inception  
vs. S&P GSCI Industrial Metals Index TR



Cumulative performance, net total return

Share classes	FX		NAV 06.03.2023	March	YTD	CY2022	2 Years	3 Years	4 Years	Since inception*
Retail	USD	Acc.	224.4	3.9%	8.7%	-5.7%	13.6%	126.9%	65.4%	78.8%
Institutional	USD	Acc.	170.0	4.0%	8.8%	-5.1%	15.0%			13.3%
<i>Percentile scoring to peers** acc. Bloomberg</i>					97%	54%		98%		

\*Inception share class A & B was 31.12.2018, share class C was 11.01.2021

\*\* Bloomberg peers universe includes not only Mining companies but also Global Natural Resource Companies that incl. Energy, Precious Metals and Agriculture



# Industrial Metals Champions Fund

## Portfolio transparency

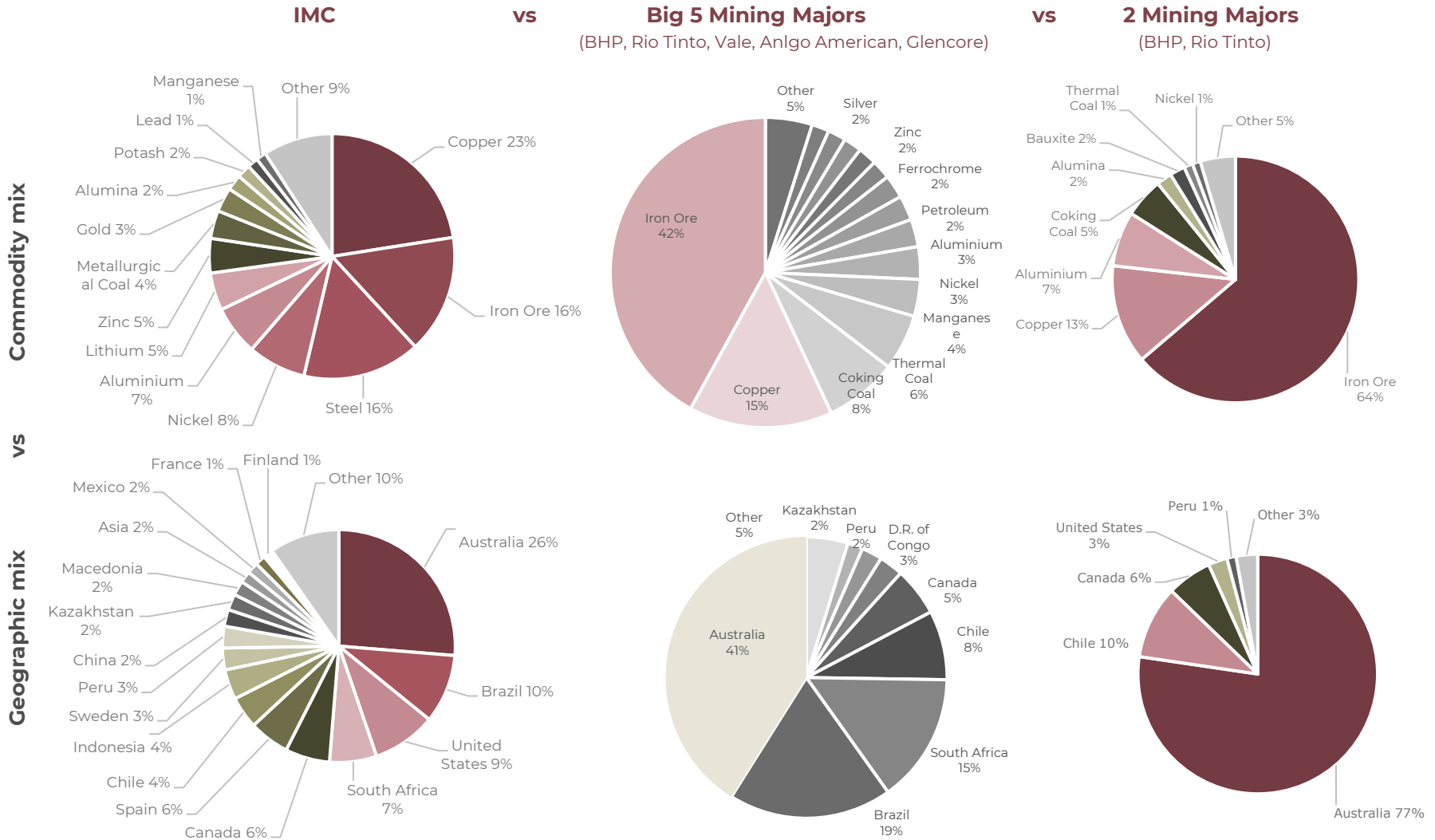
<b>Financials</b>	<b>IMC</b>	MSCI World Metals & Mining Index	<b>Operating</b> (weighted average in <b>Copper Eq.</b> )	<b>IMC</b>	MSCI World Metals & Mining Index	<b>All 25 holdings</b>	<b>IMC</b>
Number of holdings	25	190	Production	1'181 ktpa	4'905 ktpa	GANFENG LITHIUM	4.3%
Market cap	\$23bn	\$61bn	Copper share in % of total production	23%	21%	GRANGE RESOURCES	4.2%
P/B	1.8x	2.6x	Production growth CAGR 2019-2023E	3.2%	-0.1%	ATALAYA MINING	4.2%
P/Cash flow	8.0x	8.6x	Reserve life 2P	32 years	22 years	CENTRAL ASIA METALS	4.1%
EV/EBITDA 2023E	5.1x	6.4x	Inventory depth	70 years	72 years	SOUTH32	4.1%
EV/EBITDA 2024E	4.8x	6.1x	Cash costs	\$2'792/t	\$3'687/t	TECK RESOURCES LTD	4.1%
Change in EPS 2022/23E	20%	-10%	Cash margin	64%	52%	LUNDIN MINING	4.0%
P/E 2023E	9.0x	12.2x	Reserve valuation (EV/2P reserves)	\$1'129/t	\$1'615/t	FORTESCUE METALS GROUP	4.0%
P/E 2024E	9.3x	11.2x	Resource valuation (EV/total resources)	\$274/t	\$295/t	AFRICAN RAINBOW MINERALS	4.0%
EBITDA margin 2023E	35%	35%	Operated assets	60%	72%	NICKEL INDUSTRIES	4.0%
FCF yield 2023E	9.4%	7.4%	Insider ownership	12.5%	7.5%	BHP GROUP	4.0%
FCF yield 2024E	10.6%	7.7%				HUDBAY MINERALS	4.0%
Dividend yield	4.6%	4.8%				CAPSTONE COPPER	4.0%
Net debt to equity	7%	20%				SANDFIRE RESOURCES	4.0%
						ACERINOX	4.0%
						GLENCORE	4.0%
						BLUESCOPE STEEL	4.0%
						GERDAU	4.0%
						BOLIDEN	4.0%
						APERAM	4.0%
						NORSK HYDRO	3.9%
						IGO	3.9%
						VALE	3.9%
						ALCOA	3.7%
						SQM	3.6%

All figures based on weighted averages as per 20.01.2022

Sources: Bloomberg, ICG Database

# Industrial Metals Champions Fund

## Portfolio exposure: IMC vs. Mining Majors



All figures based on weighted averages as per 20.01.2023  
Sources: Bloomberg, ICG Database

# Critical minerals intensity Exposure

Mapping minerals with relevant low-carbon technologies

Importance Low to none Medium High

	IMC Exposure	Wind	Solar PV	Hydro	Geo-thermal	Nuclear	Gas	Carbon capture & storage	Bio-energy	Energy storage / EV
Aluminum	7%	Medium	High	Medium	Low	Low	Medium	Low	Medium	Medium
Cobalt	1%	Low	Low	Medium	Low	Low	Medium	High	Low	High
Copper	23%	High	High	Medium	Low	Low	Low	Low	High	High
Graphite	1%	Low	Low	Medium	Low	Low	Low	Low	Low	High
Iron ore	16%	High	High	High	High	High	High	High	High	High
Lead	1%	Medium	Medium	Low	Medium	High	Medium	High	Medium	Medium
Lithium	5%	Low	Low	Low	Low	Low	Low	Low	Low	High
Manganese	1%	Medium	Low	Low	Low	Low	Low	Low	Low	High
Molybdenum	1%	Medium	Medium	Low	Low	Medium	Medium	High	High	Medium
Nickel	8%	Medium	Medium	Medium	High	High	Medium	High	High	High
Rare earths	1%	High	High	Medium	Low	Low	Low	High	Low	High
Silver	1%	Low	High	Low	Low	Medium	Low	Low	Low	Medium
Steel	16%	High	High	High	High	High	High	High	High	High
Titanium	1%	Medium	Medium	Medium	Low	Medium	Low	High	Low	Medium
Uranium	1%	Low	Low	Low	Low	High	Low	Low	Low	Low
Zinc	5%	High	Medium	Medium	Low	Low	Low	Low	Medium	Medium
<b>Total</b>	<b>88%</b>									

Sources: Bloomberg, World Bank - Minerals for Climate Action: The Mineral Intensity of the Clean Energy Transition; ICG database; exposure based on weighted averages

# Industrial Metals Champions Fund

## At a glance



### Fund details & how to invest

Share classes	D Retail
Currency	CHF (unhedged)
Distribution	Accumulating
Main Bloomberg ticker	GATNTRA LE Equity
ISIN	LI1121337953
Valoren number	112133795
Mgmt fee p.a.	1.5%
Min. subscription	1 share
Trading frequency	Daily, no lock-up, no redemption fees
Legal status	Liechtensteiner UCITS contractual fund
Launch date	April 2018
Fund size	USD 33 million
Benchmark	MSCI World Metals & Mining Index
Custodian	LLB Liechtensteinische Landesbank AG

### Monthly Newsletter

## INDUSTRIAL METALS CHAMPIONS FUND

**IMC Factsheet June 2021**

**Fund objectives**  
The fund aims to generate long term capital growth by primarily investing in equities from companies offering exposure to the industrial metals market.

**Fund facts**  
Investment manager: Independent Capital Group AG  
Fund name: ICI (Liechtenster) Funds - Industrial Metals Champions Fund  
Legal status: Liechtensteiner UCITS contractual fund  
Base currency: USD  
NAV calculation: Daily  
Inception date UCITS Liechtenster: 03. April 2018  
New strategy - IMC: 04. December 2018

Class	NAV	YTD	CY2020	2 Year	since IMC*
Class A	219.6	-4.3%	21.5%	37.3%	70.0%
Class B	201.3	-4.7%	20.9%	32.8%	61.6%
Class C**	166.6	-4.3%	9.7%		9.7%

**Monthly comment**  
The global economic recovery continues and remains metals intensive, with demand expectations still being pushed higher. With this, analysts expecting widespread supply bottlenecks in terms of both raw materials and logistics. However, China's anti-inflation rhetoric has been stepping up, dampening both physical demand aggression and financial market positioning. Analysts remain positive on current commodity prices and especially pointing out industry free cash flow which looks extremely robust. While demand tailwinds may be easing, with extended lead times and raw material markets susceptible to disruptions, a supply risk premium to the cost curve can be justified over the coming quarters. Additionally, adding another layer of complexity to commodity markets is the unusual situation where the developed world is heading industrial growth instead of China, mainly owing to the different timing of 2020 lockdowns. As excess economic support is slowly drained from the Chinese economy, the US and Europe currently lead the way in physical end-demand indicators. As the USA recently noted, the shift towards clean energy naturally involves burning less fuel but building more equipment. Indeed, on the IEA estimates, since 2010 the average amount of minerals needed for a new unit of power generation capacity has increased by 50%, with an onshore wind facility requiring nine times more mineral resources than a gas-fired plant of the same capacity. According to some analysts, the energy transition is much more important for future demand than for the current market, and while the thematic trend has undoubtedly driven asset allocation towards the sector, in their view it is merely a supporting act in the current demand upcycle. The metals and mining industry on the other hand both immune to inflation. Oil prices are a significant input cost – analysts expecting less endurance in pushing projects. Furthermore, management is expected to remain disciplined and as a result, cost gains are unlikely to provide shocks. Most commodity prices remain trading well out of cost curves and with the relative lack of supply responses, there is less need to spend time pushing supply off the market through the inevitable cycles over the coming years. This should lead to a period of sustained free cash flow and strong margins over the coming years well above longer-term cyclical norms for incumbent producers.

### ESG Quarterly

**INDEPENDENT ESG Quarterly - 2022 - 4Q**

Category	Score	Relative Score	ESG Score	Relative ESG Score
ENVIRONMENTAL	50.5	-0.6	50.5	-0.6
SOCIAL	50.5	1.7	50.5	1.7
GOVERNANCE	50.5	1.7	50.5	1.7

**ENVIRONMENTAL**

Company	Weight	Score	Relative Score	ESG Score	Relative ESG Score
China Resources	2.1%	58.0	0.0	58.0	0.0
China Resources	1.5%	58.0	0.0	58.0	0.0
China Resources	1.0%	58.0	0.0	58.0	0.0

**SOCIAL**

Company	Weight	Score	Relative Score	ESG Score	Relative ESG Score
China Resources	2.1%	58.0	0.0	58.0	0.0
China Resources	1.5%	58.0	0.0	58.0	0.0
China Resources	1.0%	58.0	0.0	58.0	0.0

**GOVERNANCE**

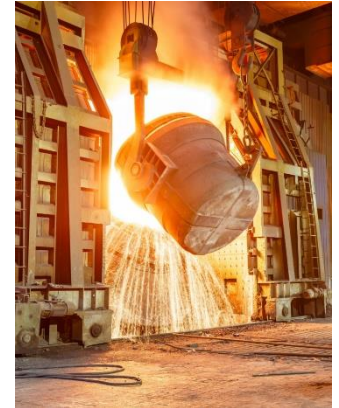
Company	Weight	Score	Relative Score	ESG Score	Relative ESG Score
China Resources	2.1%	58.0	0.0	58.0	0.0
China Resources	1.5%	58.0	0.0	58.0	0.0
China Resources	1.0%	58.0	0.0	58.0	0.0

More share classes available on request

PDF

PDF

# PRECIOUS METALS CHAMPIONS FUND



# Precious Metals Champions Fund Performance

MSCI  
ESG RATINGS



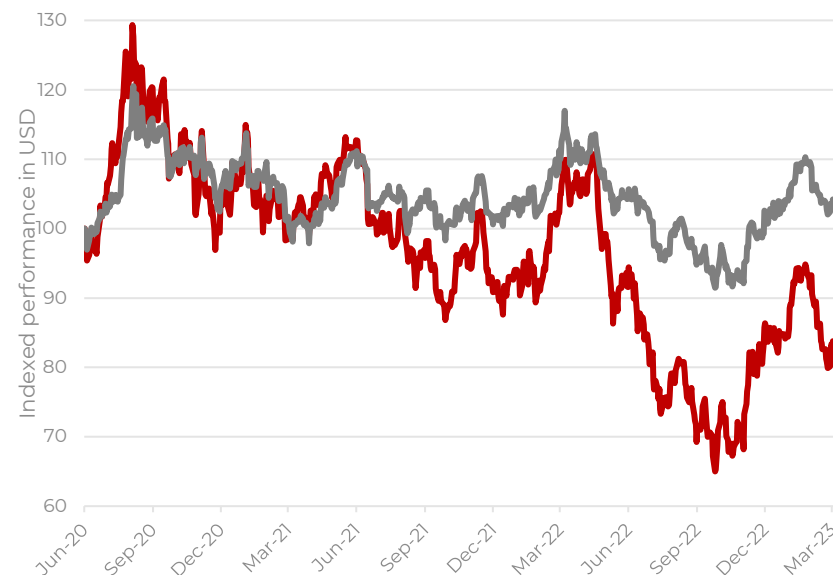
INDEPENDENT  
CAPITAL GROUP

CCC B BB BBB A AA **AAA**

PMC performance over 1 year at **-22%**



Indexed performance since inception vs. S&P GSCI Precious Metals Index TR



Cumulative performance, net total return

Share classes	FX		NAV 06.03.2023	March	YTD	CY2022	1 Years	2 Years	3 Years	Since inception*
Retail	USD	Acc.	117.3	1.8%	-2.2%	-10.8%	-22.7%	-17.2%		-21.8%
Institutional	USD	Acc.	124.0	1.8%	-2.0%	-10.3%	-22.2%	-16.0%	06/2023	-17.3%
<i>Percentile scoring to peers acc. Bloomberg</i>					63%	62%	61%			

\*Inception share class A was 02.06.2020, share class B was 08.02.2021



# Precious Metals Champions Fund

## Portfolio transparency



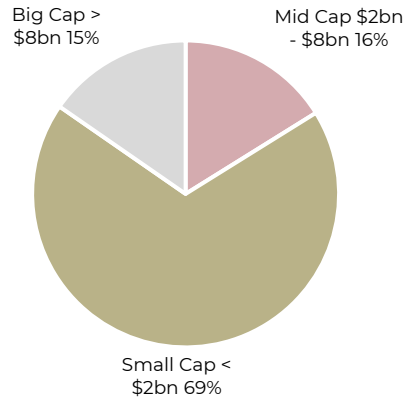
Financials	PMC	NYSE Arca Gold Miners Index	Operating (weighted avg in Gold Eq.)	PMC	NYSE Arca Gold Miners Index	All holdings*	PMC
Number of holdings	25	45	Production	1'199 koz	2'545 koz	Gold Physical	12.4%
Market cap	\$4bn	\$19bn	Share of gold in production	74%	82%	Silver Physical	6.0%
P/B	1.4x	2.1x	Production growth CAGR 2020-2024E	1.8%	3.3%	DUNDEE PRECIOUS METALS	3.5%
P/Cash Flow	6.9x	13.2x	Cash costs	\$955/oz	\$829/oz	RAMELIUS RESOURCES	3.5%
EV/EBITDA 2023E	4.3x	11.6x	AISC (All-in sustainable costs)	\$875/oz	\$850/oz	LUNDIN GOLD	3.5%
EV/EBITDA 2024E	4.1x	9.6x	2P reserves	28'068 koz	44'814 koz	ALKANE RESOURCES	3.5%
Change in EPS 2022/23E	56%	41%	Reserve life 2P	20 years	19 years	NEWCREST MINING	3.4%
Change in EPS 2023E/24E	19%	44%	Inventory depth	58 years	33 years	VICTORIA GOLD	3.4%
P/E 2023E	12.5x	25.9x	Reserve valuation (EV/2P reserves)	\$255/oz	\$659/oz	CENTAMIN	3.4%
P/E 2024E	11.0x	23.2x	Resource valuation (EV/Total resources)	\$83/oz	\$278/oz	NEW GOLD	3.3%
EBITDA margin 2023E	42%	49%	Operated assets	96%	71%	ENDEAVOUR MINING	3.3%
FCF yield 2023E	6.4%	2.9%				ELDORADO GOLD	3.3%
FCF yield 2024E	10.8%	5.5%				GOLD FIELDS	3.3%
Dividend yield	2.7%	2.1%				OCEANAGOLD	3.3%
Net debt to Equity	-5.5%	6.9%				B2GOLD	3.3%
Insider ownership	10.6%	2.7%				WESTGOLD RESOURCES	3.3%
						CENTERRA GOLD	3.3%
						SILVER LAKE RESOURCES	3.2%
						SSR MINING	3.2%
						SIBANYE STILLWATER	3.1%
						PAN AFRICAN RESOURCES	3.1%
						ROYAL BAFOKENG PLATINUM	3.0%
						ZIMPLATS HOLDINGS	3.0%
						CHINA GOLD	2.9%
						IMPALA PLATINUM	2.9%
						ANGLO AMERICAN PLATINUM	2.7%
						MANDALAY RESOURCES	2.5%

All figures based on weighted averages as per 20.01.2023

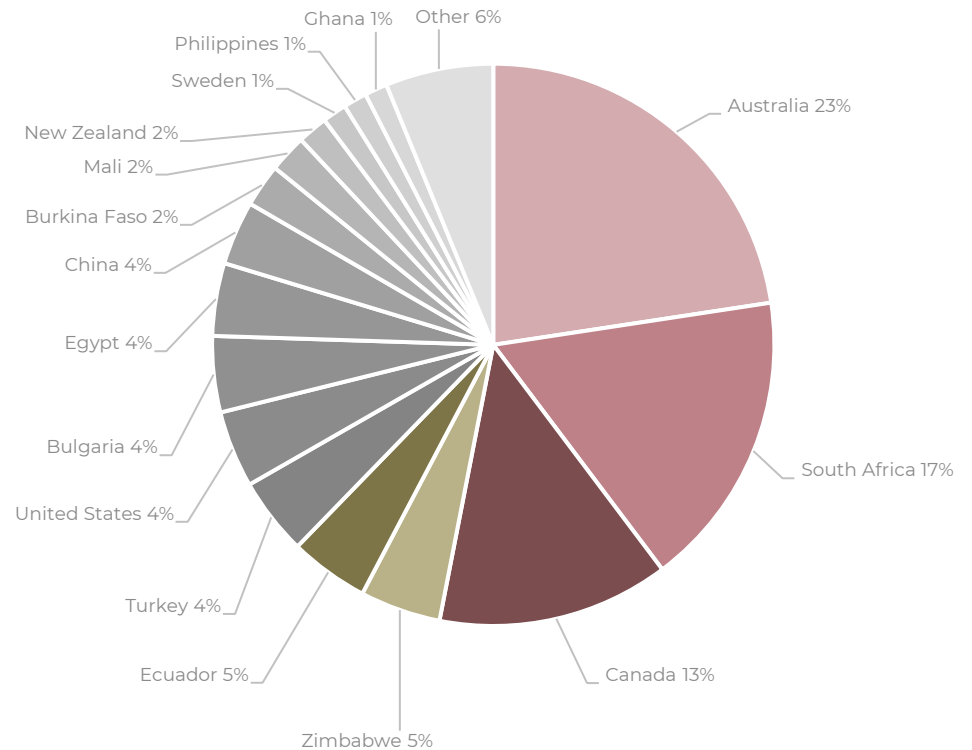
Sources: Bloomberg, ICG Database

# Precious Metals Champions Fund Portfolio exposure

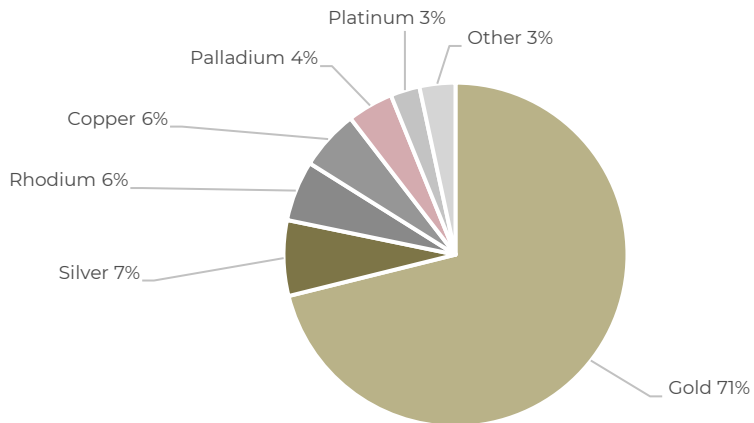
Market cap segmentation



Real country exposure based on production (Gold Eq.)



Real commodity exposure based on production (Gold Eq.)

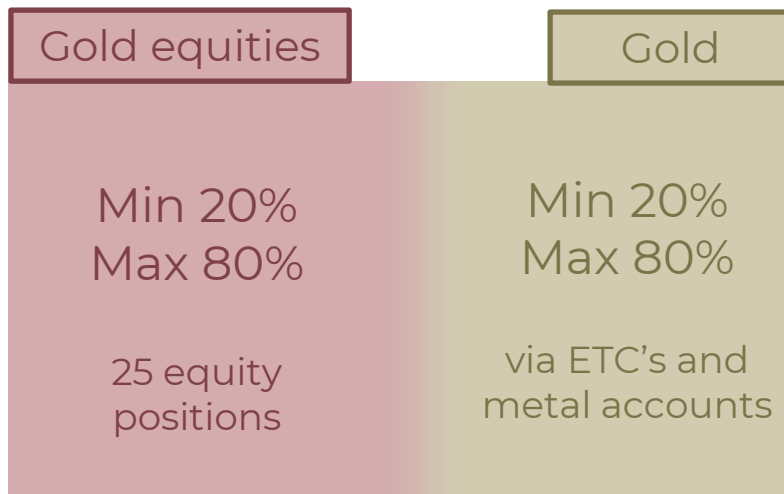


# Precious Metals Champions Fund

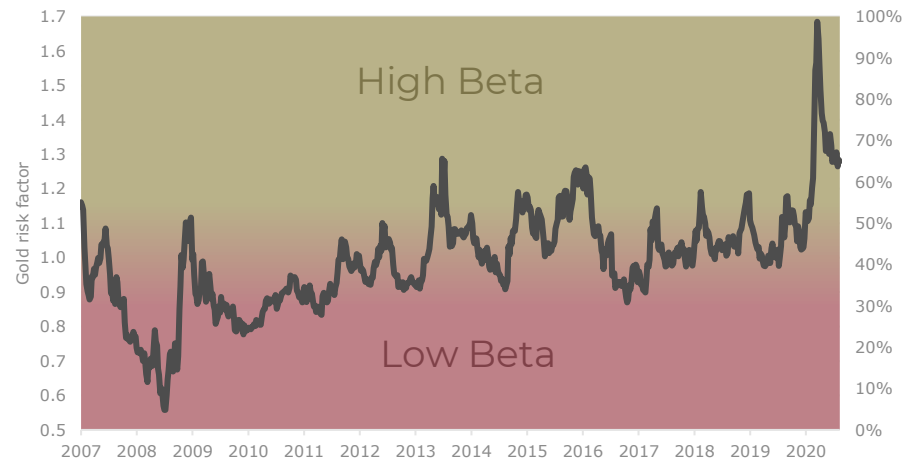
## Dynamic active gold allocation strategy

- ICG will apply a rule based systematic approach to define the current gold environment
  - **Low Beta < 1.0x** and **High Beta > 1.0x**
 and according to that adjust the gold equities vs. gold allocation target
- The gold risk factor model has the following factors:
  - *Sentiment gold & equities, macro risks, inflation, yields, VIX, geopolitical risk of demand & supply, mean reversion, net long ratio, long only interest, roll-yields, commodity prices, USD, inventories, momentum of equities & gold equities & precious metals, valuation of equities & gold equities, growth of equities & gold equities, short ratio of equities & gold equities, leverage of equities & gold equities, profitability of equities & gold equities, operative margin of gold equities, energy costs, default probability of equities & gold equities, analysts ratings & rating changes*
- PMC consists of a unique combination of investments in the best gold companies but has a minimum gold investment strategy to protect the gold equity downside

### A true active gold exposure



### The gold risk factor helps to define the current gold environment







# THANK YOU FOR YOUR TRUST

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