



# Emerging Markets – A Strategic Underweight

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Strategic underweight for Emerging Markets due to macroeconomic and geopolitical outlooks in 1-3 years

Objective

Determine whether to overweight or underweight Emerging Markets within a Global Equity portfolio in the next 1-3 years

Investment in emerging markets is projected to remain a risky opportunity for the next 1-3 years

Economic outlook



China is set to face an L-Shaped recovery in the near term – affecting Taiwan and Korea



Long-term structural shifts in India's economy is projected to take years to play out



Tensions between China and the US risks economic downturn & global fragmentation

Investment thesis

Strategic underweight in Emerging Markets across 1-3 years, with *active monitoring* on potential tailwinds towards the end of the holding timeframe

# Overview of the MSCI Emerging Markets Index (EEM)

*EEM has a heavy allocation towards China, and equities in the Information Technology and Financials sector*

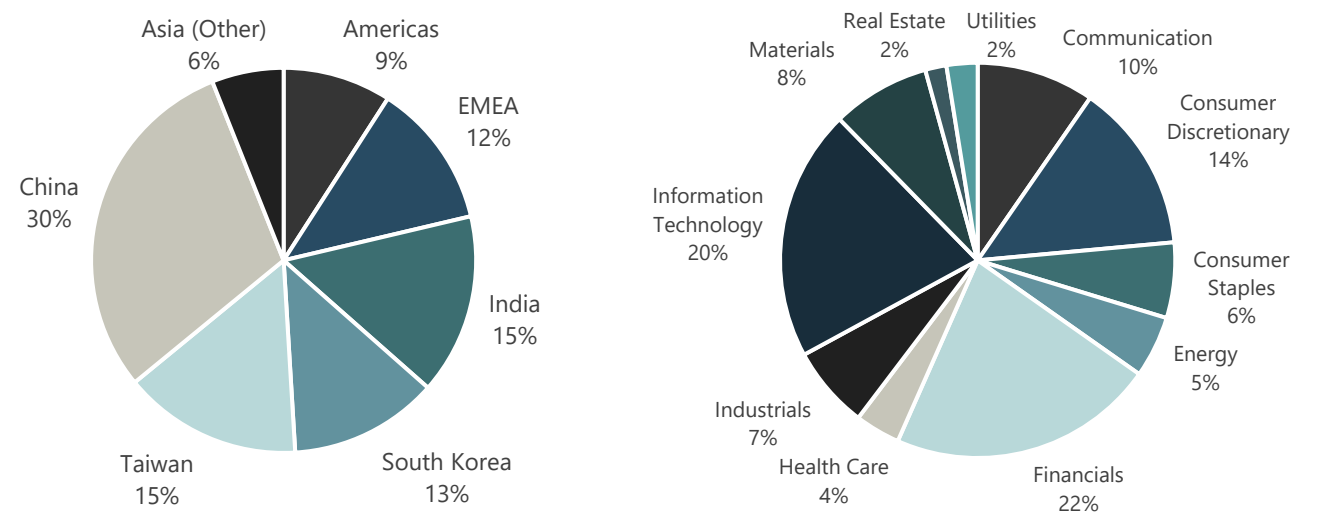
## Overview

- MSCI Emerging Markets Index (EEM) tracks large- and mid-capitalisation equities in over 24 emerging markets countries
- Greatest exposure to China (30.67%), followed by Taiwan (14.77%) and India (14.21%)
- Largest sector weightings in Financials (21.60%) and Information Technology (20.27%)
- Recent underperformance in returns, compared to the MSCI All Country World Index (ACWI) due to macroeconomic and geopolitical factors in countries, such as China

## Top 10 holdings

Name	Weight (%)	Sector	Country
Taiwan Semiconductor Manufacturing	6.76	Information Tech.	Taiwan
Tencent	3.90	Communication	China
Samsung Electronics	3.88	Information Tech.	South Korea
Alibaba Group	2.54	Consumer Disc.	China
Reliance Industries	1.40	Energy	India
Meituan	1.17	Consumer Disc.	China
ICICI Bank	0.92	Financials	India
PDD Holdings ADS	0.89	Consumer Disc.	China
Infosys	0.87	Information Tech.	India
HDFC Bank	0.80	Financials	India

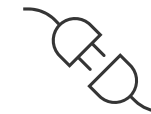
## Country & sector composition



## Driving factors behind allocation



China has experienced an economic boom in the past decade, with India expected to follow suit in the medium-term



Taiwan & South Korea are major exporters of semiconductors – critical to modern technology, clean energy & healthcare

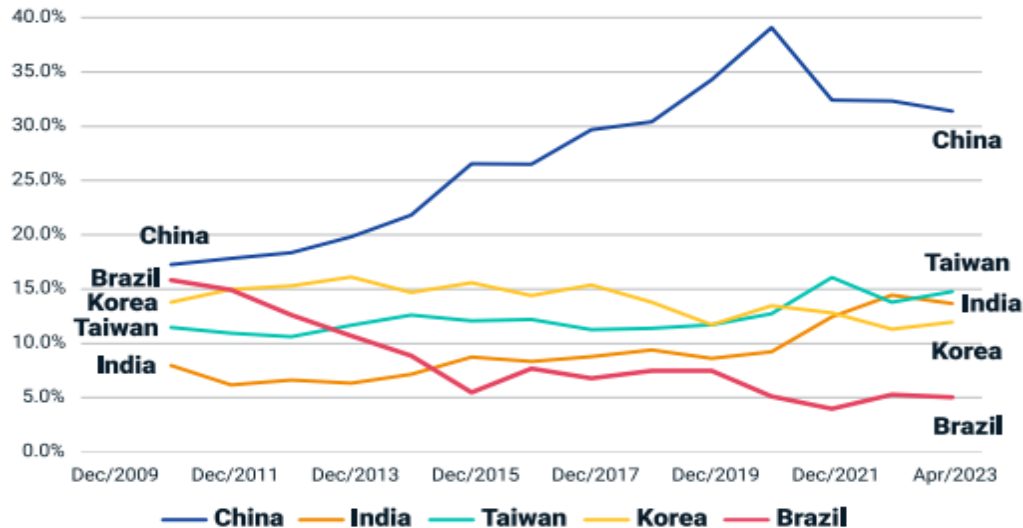


China's banks have been resilient due to healthier balance sheets & adequate liquidity, following 2017 deleveraging campaigns

# Evolution of the MSCI Emerging Market Index

*China plays an increasingly important role in EEM since inception; however, India may offer more attractive future returns*

## Country weights in EEM over time



## Key commentary

- China's contribution to EEM increased from ~17% in 2010 to a peak of ~38% in 2020; however, the allocation towards China has since decreased closer to ~30% in 2023
- While Brazil comprised of a substantial ~16% of EEM in 2010, this has dropped to ~5%
- From 2020 onwards, there has been a shift in greater allocation towards India
- Contributions from Taiwan and South Korea have remained relatively similar

1

### China's economic boom

China's rapid growth in the last decade can be attributed to **large-scale capital investment and rapid productivity growth**, with China's GDP growing by an average annual rate of 6.6% between 2013 to 2021. China's **linkage to international markets** led to greater exports and consolidation of technology transfers

2

### Brazil's recession

From 2014 - 2016, Brazil experienced recession for 11 consecutive quarters, and a debt downgrade. This was a result of **corruption scandals** and **political chaos**, as well as **falls in commodity prices** beginning in 2012, which were a driving factor of Brazil's growth in the 2000s. **Debt also ballooned**, comprising of 70% of Brazil's GDP

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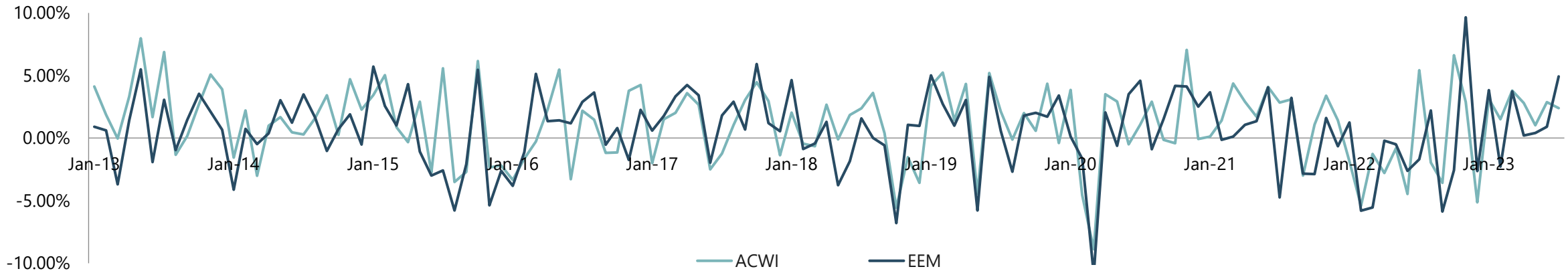
### India's promising economy

India is expected to become the **world's third largest economy** by **2027**, and its GDP grew by 7.2% in 2022-23, despite a global slowdown. This can be attributed to **favourable demographic trends, structural reforms**, investment in **technology** and integration with the **broader global economy**

# Comparison of EEM and ACWI

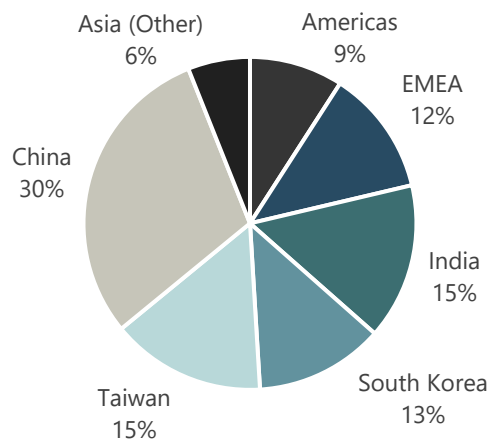
Emerging markets has experienced higher volatility and lower returns, compared to a global index, weighted more heavily in the US

## ACWI and EEM historical monthly returns

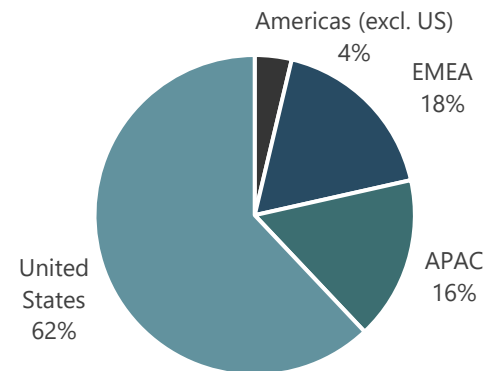


## Comparison of country & sector composition

### EEM



### ACWI



## Index performance – total returns (%)

	Annualised						
	1 Mo	3 Mo	1 Yr	YTD	3 Yr	5 Yr	10 Yr
<b>EEM</b>	(6.16)	3.47	1.25	4.55	(1.39)	0.98	2.99
<b>ACWI</b>	(2.79)	6.61	13.95	14.80	7.23	7.46	8.56

# Quantitative breakdown

MSCI EEM has less attractive financial ratios and risk-return rewards compared to MSCI ACWI

## Financial metrics

	Div Yield (%)	P/E	P/E Forward	P/B		
<b>EEM</b>	3.05	14.20	11.78	1.61	-27.8% Jensen's alpha	0.44 Treyner's measure
<b>ACWI</b>	2.09	19.37	16.20	2.74		

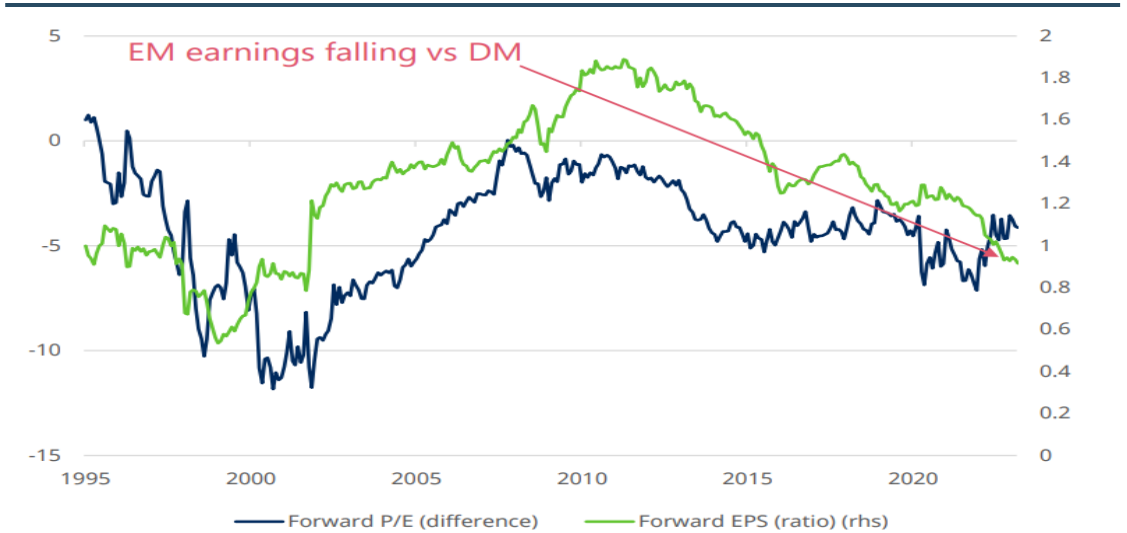
## ACWI and EEM risk & return profile

	Annualised Std Dev (%)			Sharpe Ratio		
	3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr
<b>EEM</b>	17.52	19.03	17.01	0.08	0.10	0.22
<b>ACWI</b>	17.16	17.92	14.47	0.58	0.44	0.57

## Key commentary

- Despite cuts in China's GDP forecasts and recent underperformance, EEM is **trading above its historical P/E average** of 11.2x, indicating it is **overvalued**
- In 2000, ACWI traded almost twice the forward P/E of EM (24x vs 12x). This discount gap has since narrowed mainly driven down by ACWI. Investor preference for EM equities over DM is a signal of inflated pricing of the index given existing headwinds and uncertainty
- **EM equities** are at **crisis-level lows** relative to DM. The MSCI EM index P/E ratios suggesting otherwise, pointing towards overvaluation.

## EM minus DM 12-month forward P/E & EPS



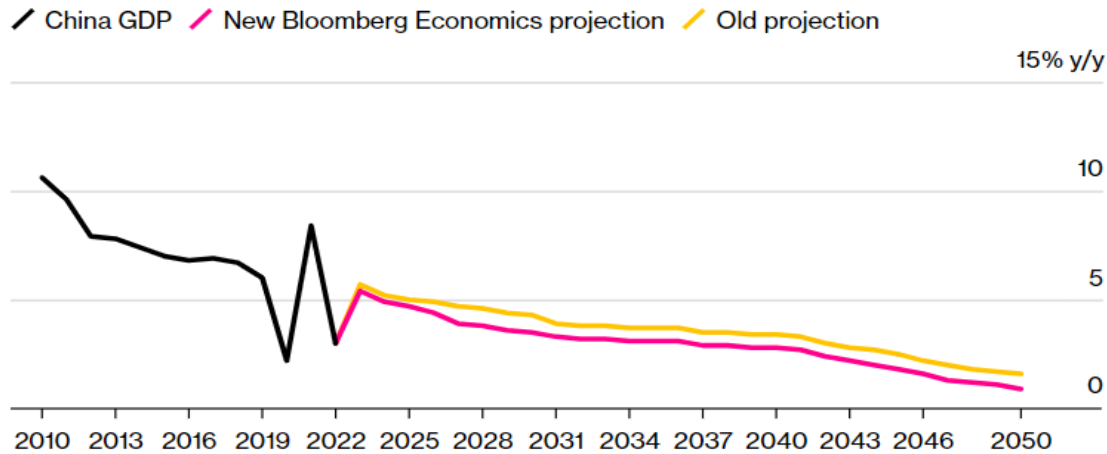
## ACWI and EEM YTD performance



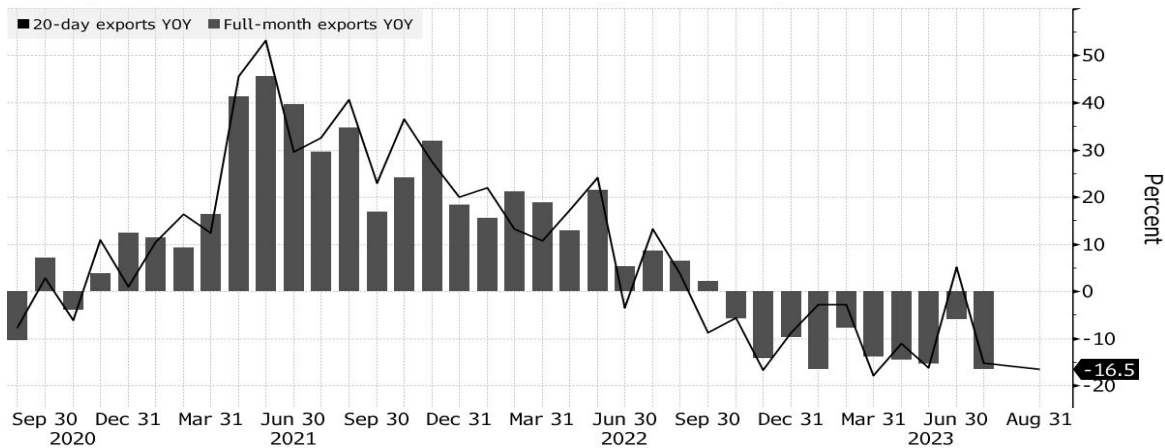
# Recent underperformance of MSCI EEM relative to MSCI ACWI

Economic contractions, from weaker export volumes, for several emerging markets have underpinned lower EEM performance

## China's long-term economic outlook



## Export volumes for South Korea



## Economic activity in key emerging countries

### China

- Falls in **property sector** and **increased defaults** from developers
- Lack of **consumer spending** & increased **unemployment**
- Weaker demand for exports and imports

### Taiwan

- Sharp drop in **demand** for Taiwan's **semiconductor** / chip exports
- GDP contraction of 3.02% in first quarter
- **Labour shortage** impacting tourism and services sector

### South Korea

- Exports to China fell 25.1% due to lower **demand for semiconductors** and China's focus on domestic production
- Fall in **industrial production** of 8%, reflecting **weaker consumption**

### India

- Rise in **domestic consumption** and more investment from global manufacturers (↑ 7.8% in GDP)
- **Rising income inequality**, monsoon season and weaker exports may compromise India's growth

The major emerging market economies are heavily dependent on exports. Weaker demand from China, a prominent trading partner, and falls in chip consumption could prolong economic slumps

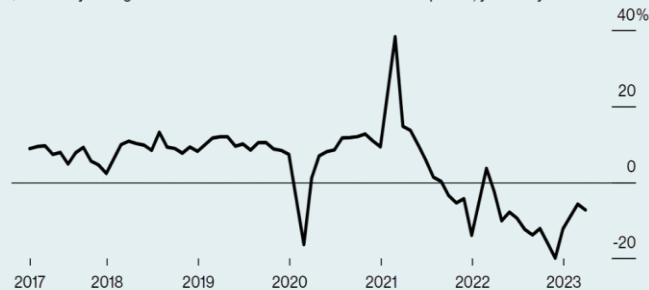
Turbulence in the shaky property sector, consumer spending and trading volumes are inhibiting China's recovery

## 1

### Shaky property sector

- China possesses the **largest property market** in the world, which is integral to its national growth (~20% of GDP in 2020)
- Existing home prices in major metropolitan cities, such as Shanghai & Shenzhen, have **fallen by >15%**
- 12% of China's current GDP consists of developer debt, which is at **risk of default** (e.g. Country Garden - \$535m debt)
- Despite cuts in interest rates and stimulus measures, such as relaxing of purchase restrictions, Beijing's **countermeasures are not sufficient**

Monthly change in China's investment of real estate development, year-on-year

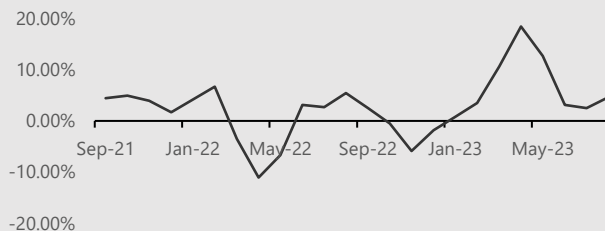


## 2

### Shortfall in consumer spending

- Consumers spending shift from high-end fashion towards travel and purchases in the **wellness sphere**
- Imminent Chinese economy **double-dip recession** posing concerns for spending
- Perpetual cycle as consumer spending drops **in fear of job security**. Weak labour market -> Jobless rate increase from 4.2% (2022) to 5.6% (2023)
- More government stimulus required; however, PBoC hesitant to act as China is facing **weaker Yuan** and **elevated debt levels**

China's retail sales (YoY growth %)



## 3

### Weak trading volumes

- Despite an easing in August, China's export values **remain subdued** at 8.8%
- Attributed to **weak global demand**, which is unlikely to change, given the US is expected to enter a mild recession in 2H 2023 and inflation is persistent in Europe
- Decline in Chinese imports, indicative of **downturn in domestic demand** and subdued consumer spending
- China is an **export-oriented country**, with exports contributing 20.7% of GDP in 2022

China's exports & imports values (USD)

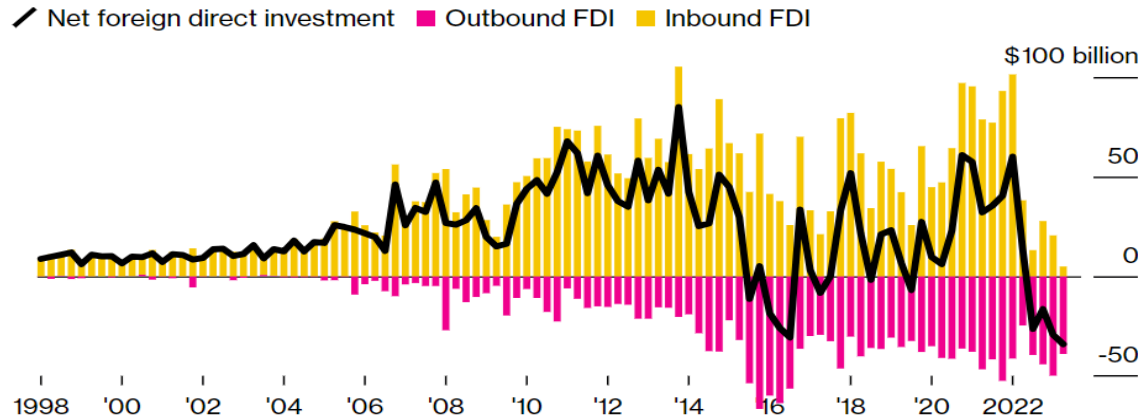




# China proving unattractive to foreign investment

*China's FDI falls as growing concerns over geopolitical tension and slowing recovery dampen foreign investor confidence*

## China's foreign direct investment

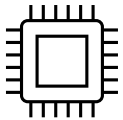


Source: China's State Administration of Foreign Exchange

## Key commentary

- **Huge decline in FDI** due to COVID-19, decrease in **corporate profits** and **regulatory tightening** (e.g. clampdown on foreign consultancy firms)
- **FDI is still slow** to recover as it was 2.7% lower in January – June 2023, compared to a year ago
- **Notable outflow** in 2022 includes China's **\$2.1bn investment** in Australia
- **Export controls** and sanctions are likely to **shrink** the playing field in China for foreign investment

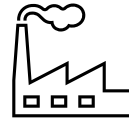
## Impacts of FDI



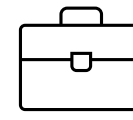
**US chip investment ban in China** has spillage effects on **South Korea & Taiwan**, as Samsung, Hynix and TSMC (leading players in chip production) all operate production facilities in China



Foreign-funded enterprises (FfEs) tend to be most **dynamic** and productive in Chinese economy, with **domestic firms largely** benefiting from FfEs



**Drop in foreign investors** has led to less developed **industrial productivity**, heavily affecting the **manufacturing industry & exports**. These are the **largest contributors** to China's economy



One of the most prominent impacts of FDI in China has been the **creation of employment opportunities**. This is a heightened concern given the **rise in unemployment**

China's central bank has cut **foreign exchange reserve requirement ratio** from **6% to 4%** to recover all in the Yuan and **attract more foreign investment**, as investors can realise higher returns when converting back to domestic currency

# China's feedback of monetary policy tightening in the US

*Interest rate hikes by developed countries have adversely affected emerging market economies, worsening the lack of capital inflow*

## Key statistics for China

30.9%

increase in China's imports (YoY July)

1.02bn

barrels of onshore crude stockpiles

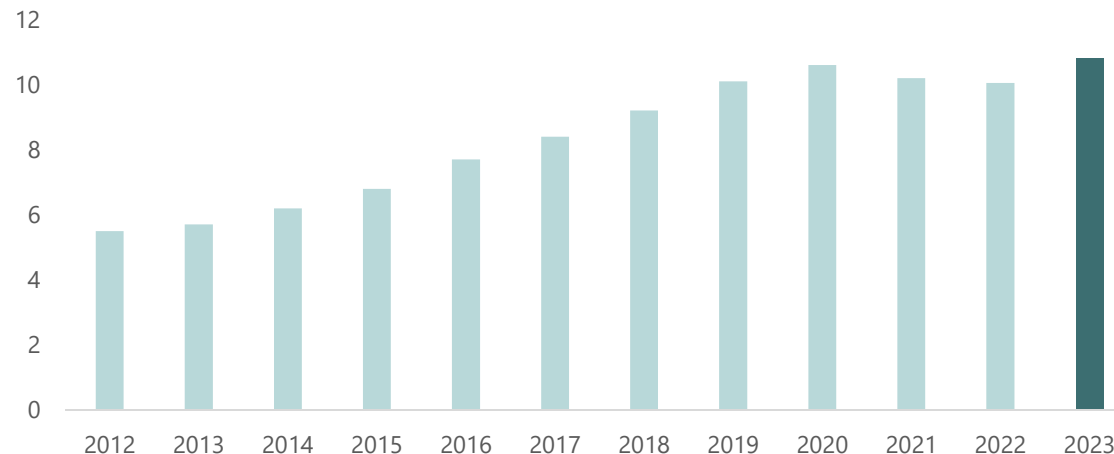
160%

of GDP is tied to corporate debt

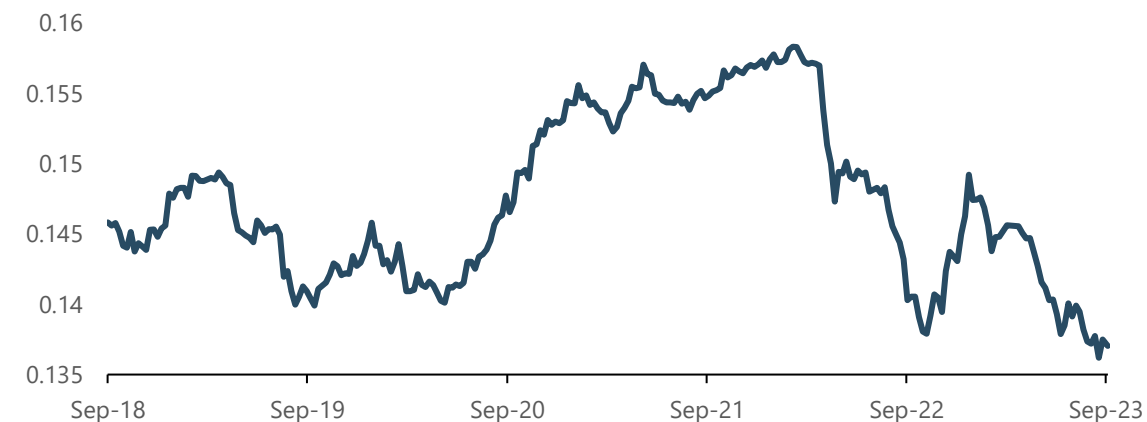
## Key commentary

- Emerging markets are less attractive as global investors turn to the US for stable returns, **reducing capital inflow** and **devaluing of exchange rate** against the USD
- China will take advantage of **cheap Russian crude** to support the economy and for stockpiling reasons, and foreign exchange reserve actions will appreciate CNY to support lower importing costs
- Higher interest rates, along with CNY depreciation, makes it **more expensive to pay back borrowing** denominated in dollars. However, China has not been forced to tighten its monetary policy yet
- Significant rise in China's interest rates has detrimental effects as the financial system has a **high exposure to corporate debt**. As a result, **profitability** of these companies may dampen significantly, affecting equities investment

## China's crude oil imports



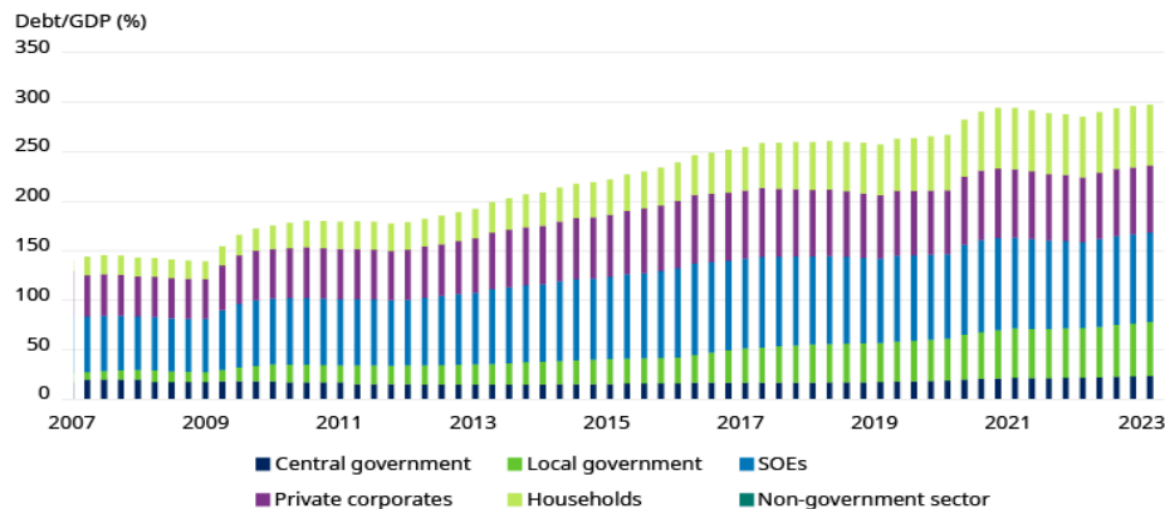
## CNY/USD Historical



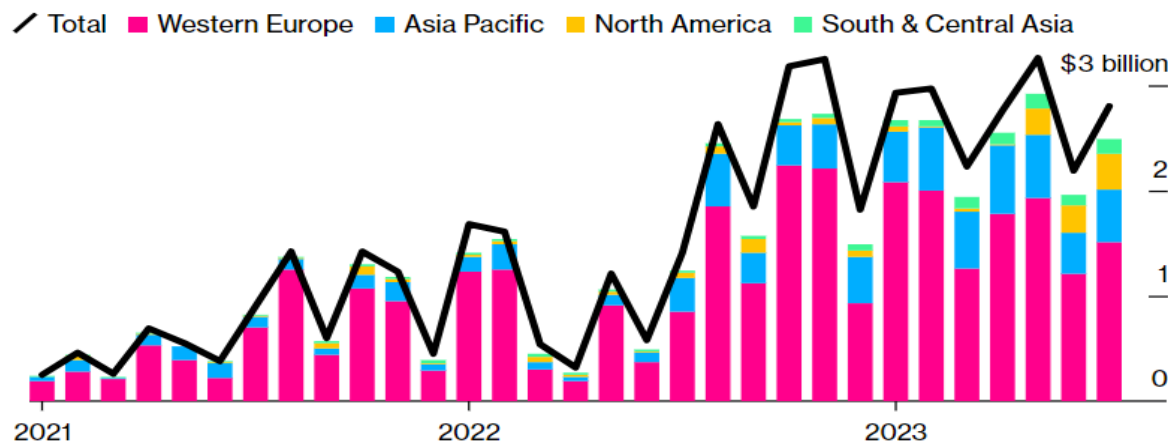
# China's sluggish short-term growth

*Poor consumer confidence, low fiscal stimulus, and structural changes in the real estate market will stunt China's growth*

## China's government debt reaches a record high



## Electric Car Exports From China Have Soared Over Past Year



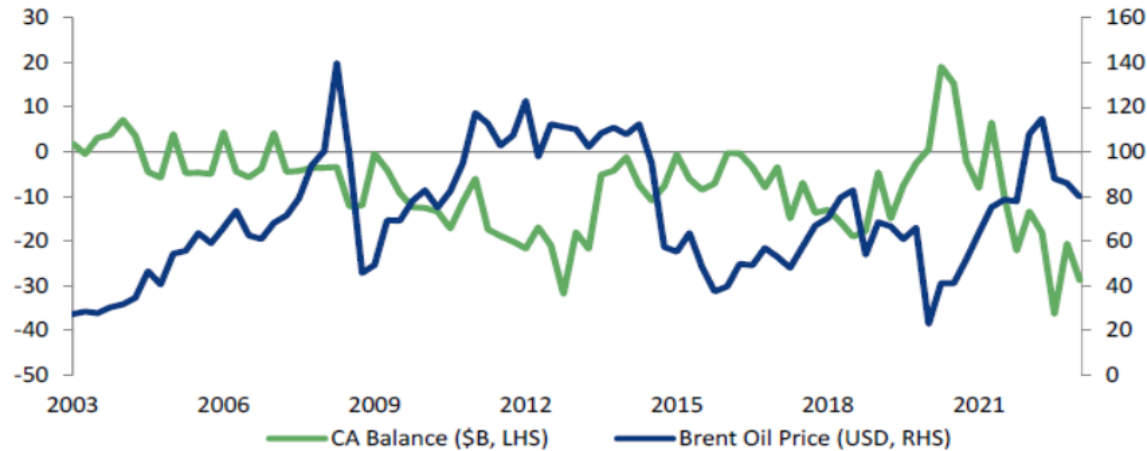
## Key commentary

- China is set to face a **L-Shaped recovery in the short-term**, due to soft growth, weak demand for credit due to the structural changes in the housing market and negative CPI
- The housing market is also **undergoing a structural shift away from speculative demand** that had made up majority of housing sales historically
- **Local government debt** has **risen** over the past decade as its roll in delivering counter-cyclical stimulus through infrastructure spending has increased in the face of a structural slowdown in growth – **debt restructuring is needed**
- With the central government showing **no urgency to deliver major stimulus into the property market**, such fiscal stimulus will be **less effective** in the near term
- The state is **devoting resources** to foster “hi-tech” growth by issuing bonds to fund high-speed rail and **renewable energy infrastructure (solar and wind)**, cheap loans for businesses, support for consumer demand through tax breaks for **EV buyers**

# India remains an overvalued market

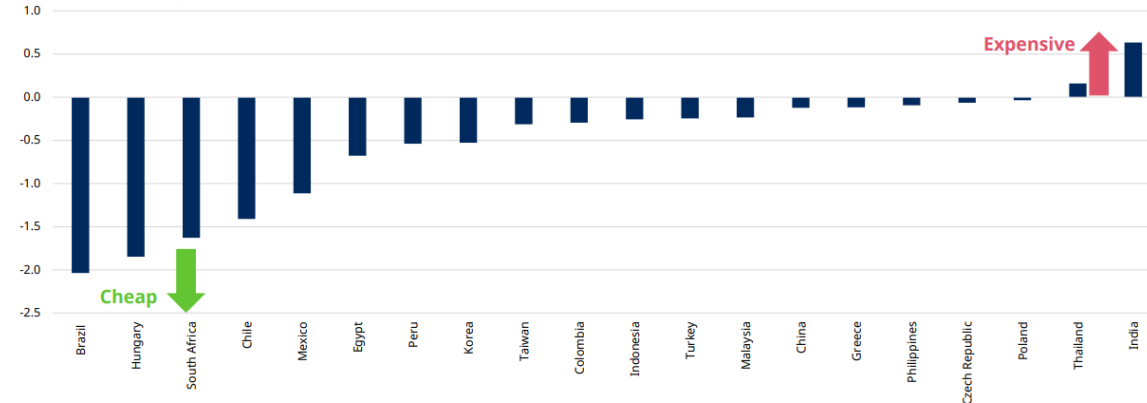
Whilst India remains an attractive investment destination in long-term, market valuations remain stretched in the near-term

## India's current account deficit will be stretched further



## India is the most expensive emerging market - overvalued

12-month trailing P/E (z-score<sup>1</sup>)



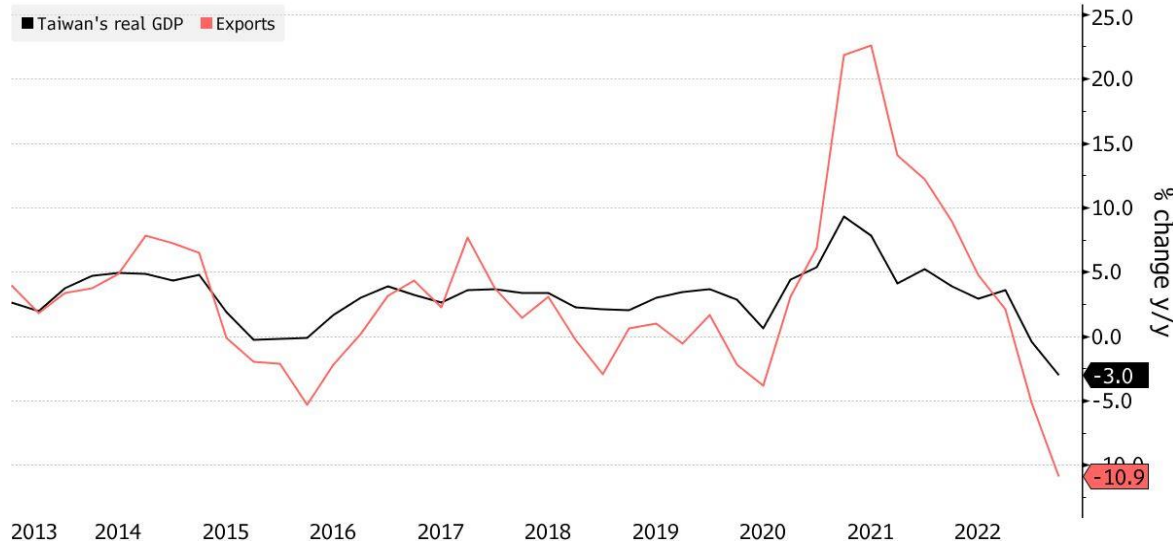
## Key commentary

- India's long-term growth opportunity in the global economy is compelling but is **not an attractive overweight position** in the **1-3 year timeframe**
- The long-term structural shifts in India's economy is projected to take **years to play out**, and the **market appears to be pricing in this scenario to occur sooner** despite headwinds
- The **country's core inflation rate is likely to remain elevated** above the RBI's 4% target **for most of 2023 and 2024** which may lead the central bank to eventually tighten policy more
- India's already record-wide **current account deficit** is under pressure with their **currency hitting all time lows**
- **Corporate profitability** in India remains **challenged**. India's return-on-equity has been on a downtrend since 2007, and at 14.2% which is roughly 10 percentage points off peak levels from that time
- India is the most **expensive EM** based on trailing P/E. However, this valuation is **premature**, pointing towards an **overvaluation**.

# Further dampening of Taiwan and South Korea's economies

*Slumps in export volumes and weakening global growth rates will delay the recovery of emerging economies*

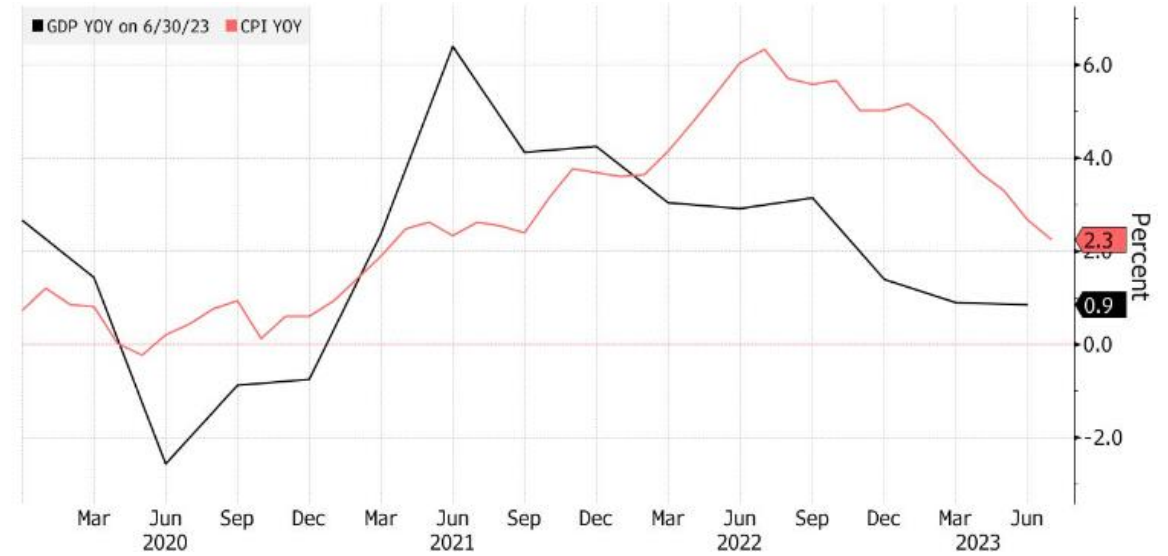
## Taiwan's export slump affecting GDP growth



### Key commentary

- Overseas orders for Taiwan have shrunk 12% in July YoY, due to **plunge in international demand** for technology products
- **Stubborn headwinds** for Taiwan's exporters, with cuts in GDP to 1.61% (slowest since 2015) and more severe forecasts to export declines (9.51%)
- While global economy is expected to recover, IMF predicts **global growth rate** for next 5 years will be **weakest** since 1990 (2.4% in 2024, 2.9% in 2025)
- Recovery in export volumes to pre-pandemic levels is unlikely, given **looming political tensions** & sluggish China recovery

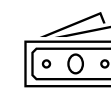
## Slowing GDP growth in South Korea



### Contributing factors



Uncertainty on rebound of **semiconductors** (key to Korean trade) and **exports** continue **falling rapidly** as China is Korea's largest trading partner



Concerns in **Korea's credit market** after bad property loans led to closure of credit union branches. **Household debt** is still on the rise



Bank of Korea poised to make **future rate hikes** for rest of 2023 and potentially 2024, due to acceleration in interest rates in August from fuel costs

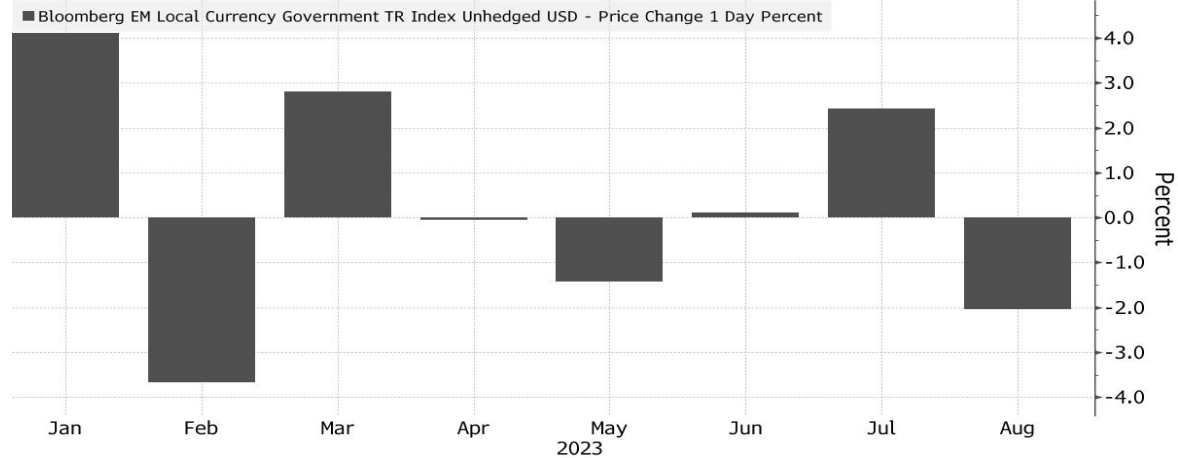
# Ease of monetary policy in the next 12-months seems unlikely in hawkish Asia

Driven by the "higher-for-longer" rhetoric from Fed, policymakers seeking to support their currencies and El Niño threat to inflation

## Hawkish trend is setting in across Asia ex China

### Emerging Bonds Fell Most in Six Months in August

Losses came as traders price higher for longer rates

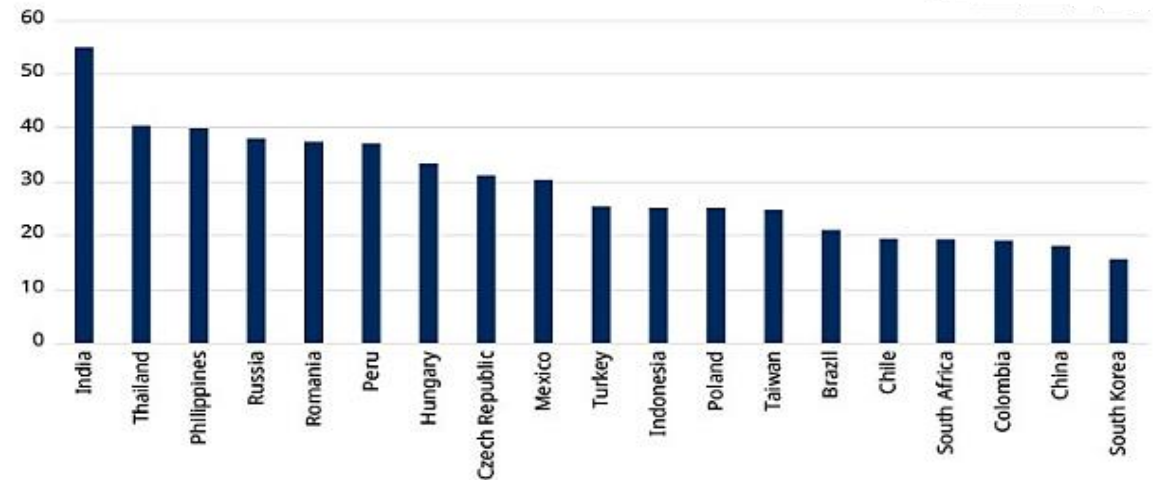


## Downside potential for further EM rate hikes into 2024

- South Korea's central bank pledged to keep policy restrictive for a "**considerable time**" as cost of **food staples**, such as rice, climbs
- Bank Indonesia it would allow short-term bond yields to rise to support the rupiah, adding to signs it's a **long way** from shifting to an easing stance
- India's central bank said last week it's growing **more concerned** about surging **food prices** as well

## EM countries are highly exposed to food cost spikes

Food CPI Weights (%)



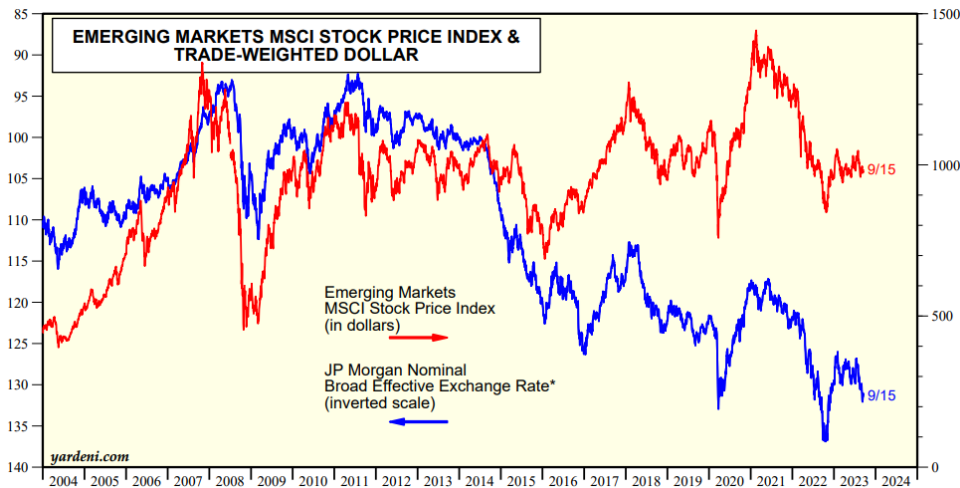
## Investors should not underestimate the impacts of El Niño

- Weather pattern may cause inflation in Argentina and Brazil to accelerate by an additional 0.75 percentage point, and by 0.5 percentage point in India and the Philippines
- If proven to be intense, this can **drastically** increase **hawkish risk** to the EM inflation story, could cause **stagflation** and
- **India's export ban** of non-basmati rice to lower food prices will add **further pressure to global costs** at time El Niño is raising concerns about crop damage

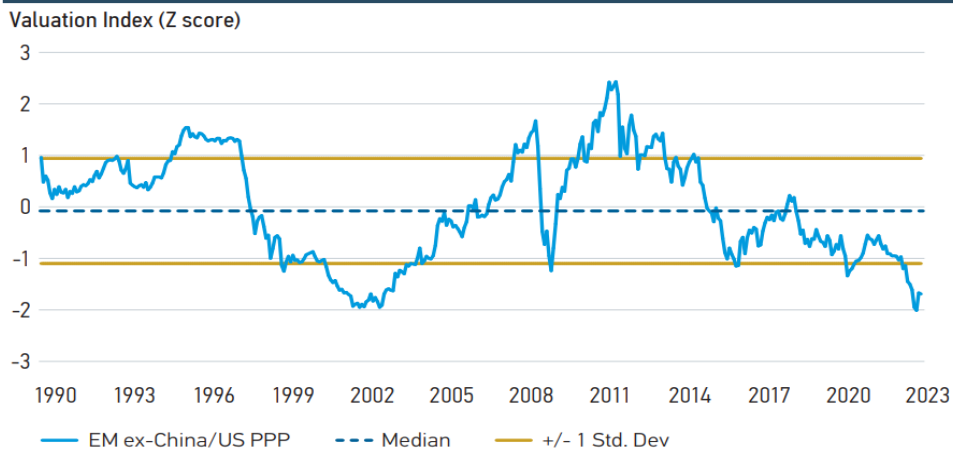
# Currency dynamics paint a muted picture for EEM outlook

*A decade of US dollar appreciation has resulted in heavy erosion of emerging markets equity returns*

## Currency vs MSCI emerging markets stock price



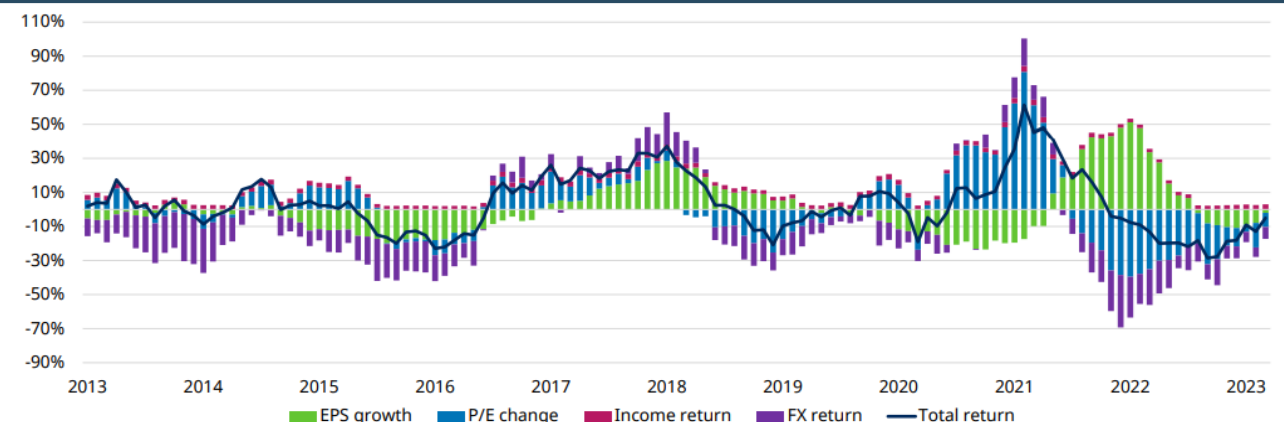
## EM (ex-China) currencies are at crisis-level lows



## Key commentary

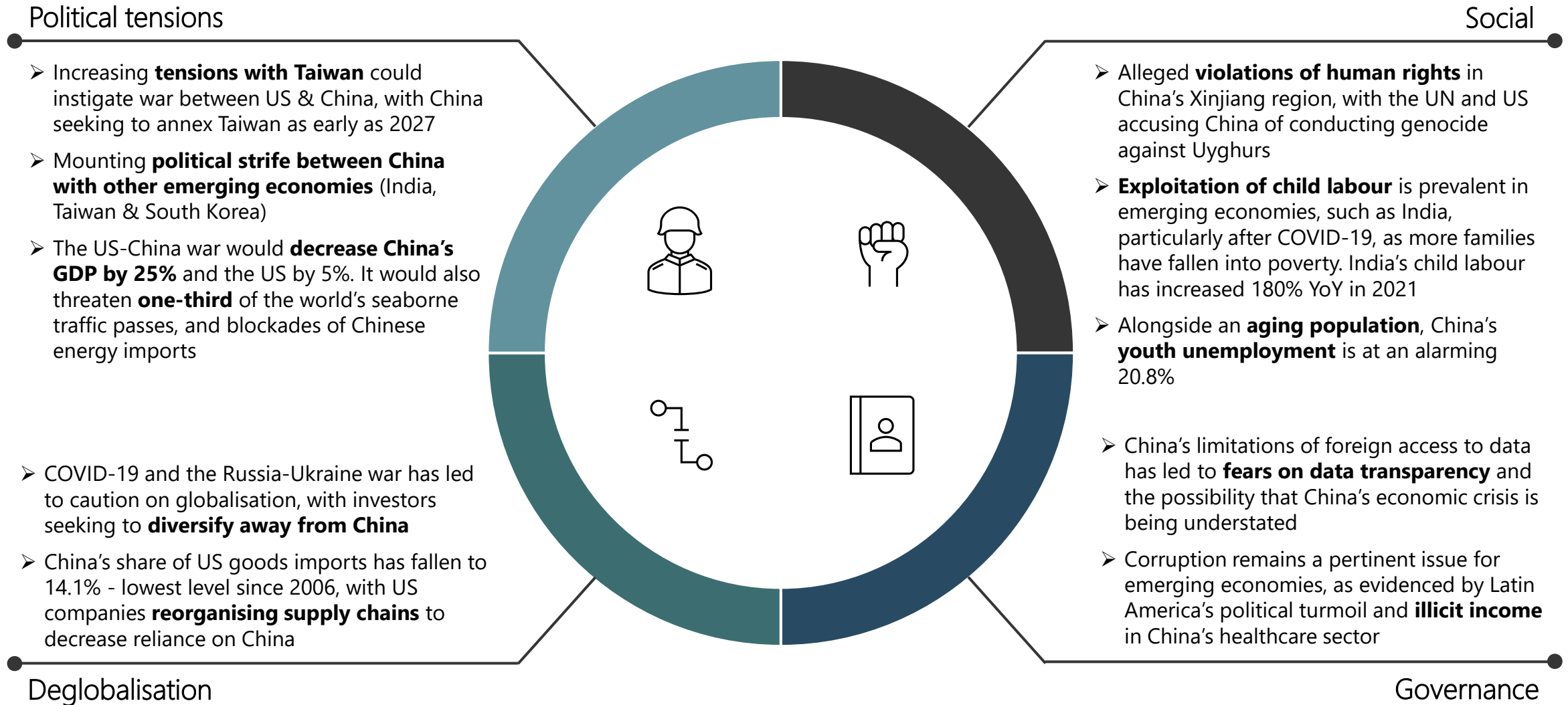
- Despite better relative growth prospects, improved external balances and competitiveness and sustainable sovereign and private debt, relative valuations of currencies and equities have dropped to lows last seen in 2000.
- EM economies have a large share of their **credit, trade and debt priced in dollar terms**. Swings in FX are linked to capital outflows, tighter financing conditions and heightened financial instability.
- **Currency** moves on average have contributed to **one-third of total returns** historically for dollar investors.
- Recently, **China's currency hit 16-year lows** relative to USD and faced capital account outflows of \$49bn, plunging its market's appeal.
- **Rupee** value has steadily declined, closing at a **record low of 83.27** against the USD on the 18/09 (Monday).

## Decomposition of MSCI EEM index total returns



# Underlying risks with Emerging Markets

*Political tensions, geo-economic fragmentation, social and governance risks could threaten EEM*





# Agenda for decarbonisation

Emerging markets are responsible for more than two thirds of global carbon emissions, with China being the largest contributor

## Key statistics

29.2%	40%	9.5%
China's contribution to global carbon emissions	of global renewable expansion will stem from China	average annual growth between 2021 – 2024

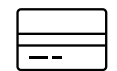
## Government initiatives



In the short-term, China's economy is **still reliant on coal** for economic expansion, given lower prices and to support urbanisation during the energy transition period



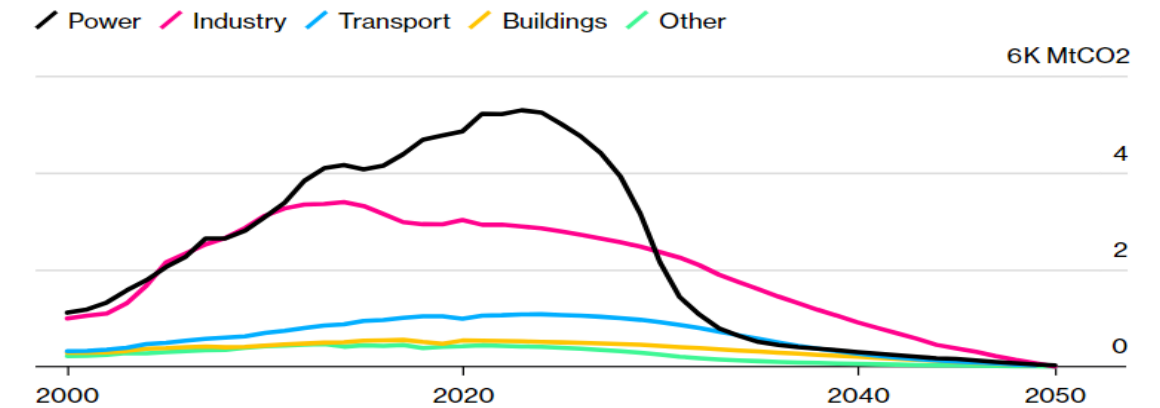
Consumer & manufacturer subsidies, tax breaks and government uptake of EVs has led to China accounting for **60% of the world's EV sales** in 2023



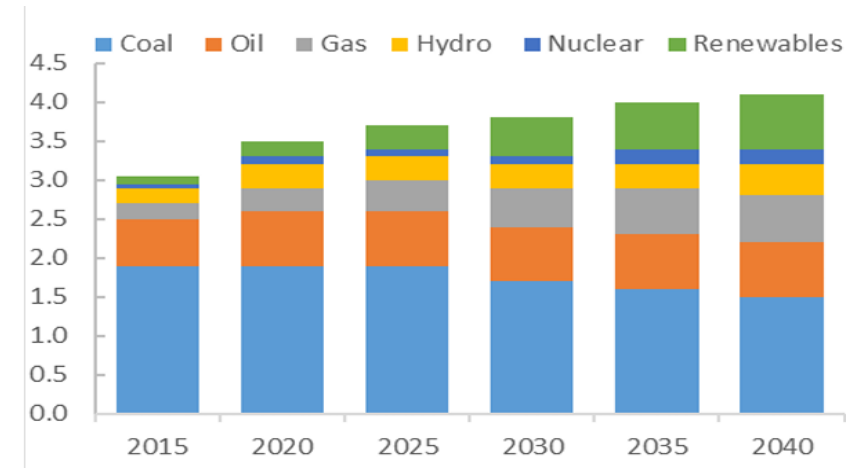
Government is retrofitting coal plants with **carbon capture, utilisation and storage (CCUS)** and imposing **carbon credits** to reduce emissions in the long-run

Aligns with VFMC's investment stewardship of supporting risk-adjusted returns through climate positive investments that will contribute to **net-zero emissions**; however, may not be realised until 2030 onwards



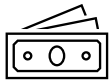

## China's emissions forecast

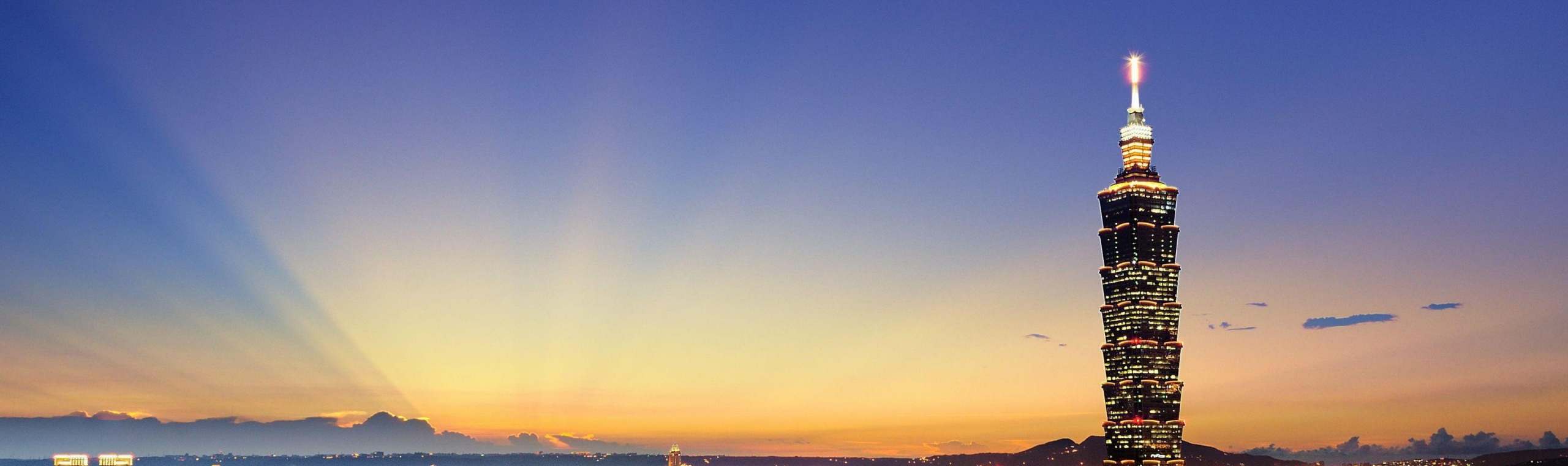


## CNPC energy demand forecast



Quantum Advisory recommends an *underweight* case for Emerging Markets due to near-term macroeconomic and geopolitical outlooks

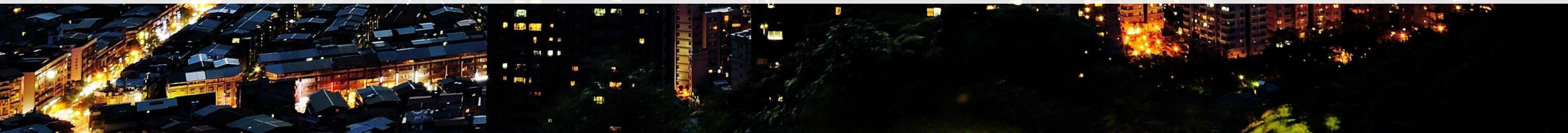
Investment thesis	Strategic <b>underweight</b> in Emerging Markets for 1-3 years, with <i>active monitoring</i> on potential tailwinds towards the end of the holding timeframe			
Drivers of underperformance	 <p>Lower growth forecasts &amp; recovery from China post-pandemic</p>	 <p>Lower export volumes &amp; slump in semiconductor and chip sales</p>	 <p>Increased debt levels and lower foreign investment towards China</p>	 <p>Geopolitical fragmentation and heightened security tensions</p>
Outlook	Stunted growth from Emerging Markets in the next 1-3 years, due to sluggish recovery from China, which has spillage effects on Taiwan & South Korea, and heightened risk of Asian EM hikes			



# Appendices



QUANTUM  
ADVISORY



## Main Deck

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[Overview of the MSCI Emerging Markets Index \(EEM\)](#)

[Evolution of the MSCI Emerging Markets Index](#)

[Comparison of EEM and ACWI](#)

[Quantitative breakdown](#)

[Recent underperformance of MSCI EEM relative to MSCI ACWI](#)

[China's lacklustre post-pandemic recovery](#)

[China proving unattractive to foreign investment](#)

[China's feedback of monetary policy tightening in the US](#)

[China's sluggish short-term growth](#)

[India remains an overvalued market](#)

[Further dampening of Taiwan and South Korea's economies](#)

[Ease of monetary policy in the next 12-months seems unlikely in hawkish Asia](#)

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[Historical allocations & exploring potential allocation changes](#)

[Quantitative analysis \(continued\)](#)

[Looking past the 1-3 year timeframe](#)

## Our Pillars

### Whole of Portfolio Approach

Portfolios are best managed as a whole, rather than simply a sum of parts. Enabling portfolio flexibility is important to respond to market developments.

### Long-term Horizon

Long-term investing provides a competitive edge in generating better investment outcomes but should recognise the balance between short- and long-term pressures.

### Active Management

Market inefficiencies can provide opportunity to add value via active management – which is managed to reflect the change in prospective risks and returns over time.

### Investment Stewardship

Being an active investment steward adds value to our clients' portfolios by managing risks, identifying opportunities and influencing positive ESG outcomes.

### Diversification

Effective diversification is essential for maximising risk and return outcomes across the portfolio.

### Risk is Multi-Dimensional

Risk is multi-dimensional and its management should support the successful meeting of clients' long-term objectives.

### Execution

Robust and efficient execution is an important contributor to overall investment outcomes.

## Our Foundations

### Clients

Clients' specific circumstances are considered when designing and managing their portfolios.

### Culture & Governance

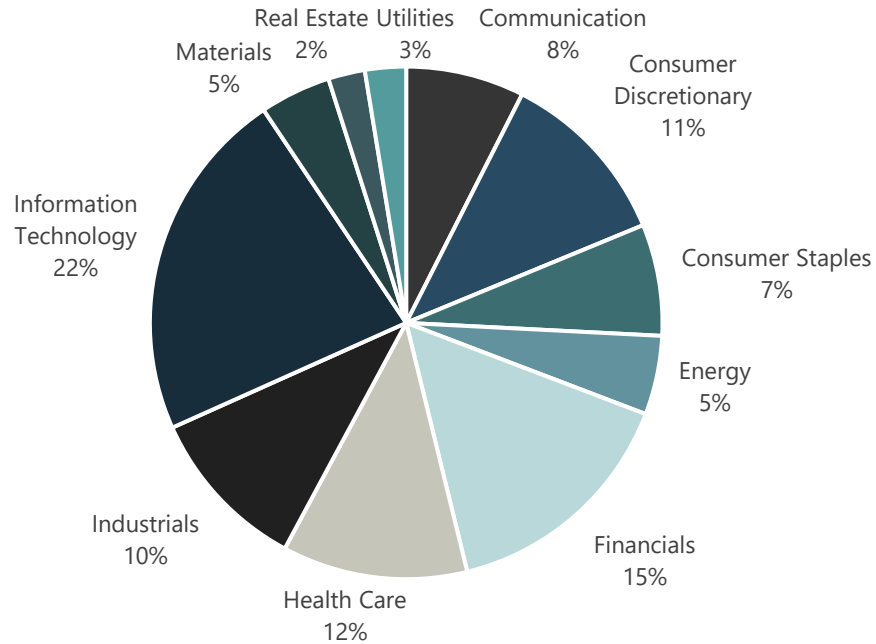
Good governance practices improve the quality of decision making that can lead to better investment outcomes.

*“The dynamic asset allocation approach tends to take **a time horizon of anywhere from three to 12 months**, and takes relatively **modest tilts around the strategic benchmark portfolio**. So you have a range of relatively small positions that are on for much of the time and **adds incremental alpha over time**”*

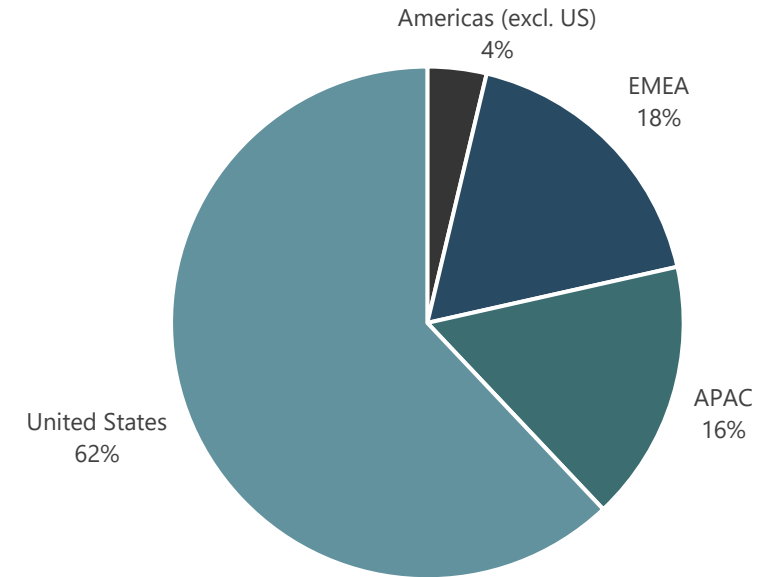
Russell Clarke  
Chief Investment Officer VFMC

# MSCI All Country World Index

## Sector



## Country



## Top 10 holdings

Name	Weight (%)	Sector	Country
Apple Inc	4.42	Information Tech.	US
Microsoft Corp	3.69	Information Tech	US
Amazon Com Inc	2.01	Consumer Disc.	US
Nvidia	1.81	Information Tech.	US
Alphabet Inc Class A	1.26	Communication	US

Name	Weight (%)	Sector	Country
Alphabet Inc Class B	1.15	Communication	US
Tesla	1.14	Consumer Disc.	US
Meta Platforms Inc Class A	1.04	Communication	US
Berkshire Hathaway Inc Class B	0.74	Financials	US
Eli Lilly	0.73	Healthcare	US

## Jensen's alpha

---

$$Jensen's \alpha = r_p - [r_f + \beta(r_m - r_f)]$$

### Where:

$r_p$  = return of the Emerging Markets portfolio

$r_f$  = risk-free rate (10-yr Treasury bonds)

$\beta$  = beta of Emerging markets portfolio (0.64)

$r_m$  = return of the market (MSCI ACWI)

## Treynor's measure

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$$Treynor's \text{ measure} = \frac{r_p - r_f}{\beta_p}$$

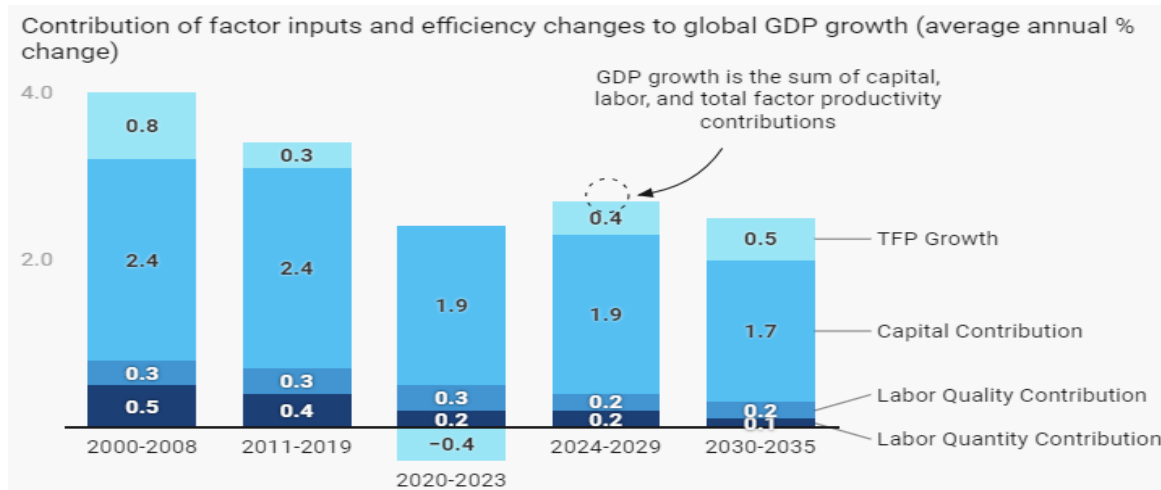
### Where:

$r_p$  = return of the Emerging Markets portfolio

$r_f$  = risk-free rate (10-yr Treasury bonds)

$\beta$  = beta of Emerging markets portfolio (0.64)

## Global GDP growth outlook



## Country GDP growth forecasts (%)

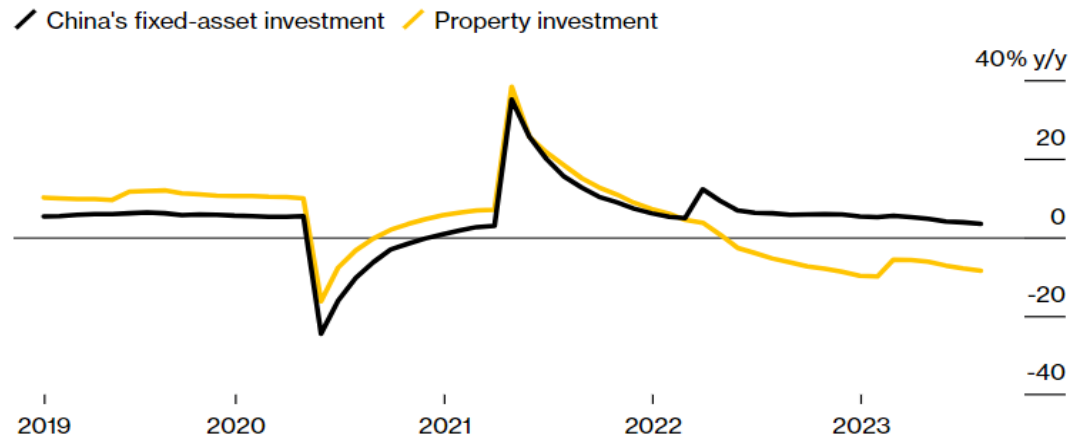
	2022	2023	2024	2024-2029	2030-2035
<b>US</b>	2.1	1.9	0.5	1.7	1.6
<b>China</b>	3.0	5.1	4.4	4.4	4.1
<b>India</b>	6.8	5.8	5.0	4.7	4.3
<b>Asia (Other)</b>	5.5	3.9	3.6	3.6	3.4
<b>Brazil</b>	3.0	2.4	1.3	1.5	1.3

## Key commentary

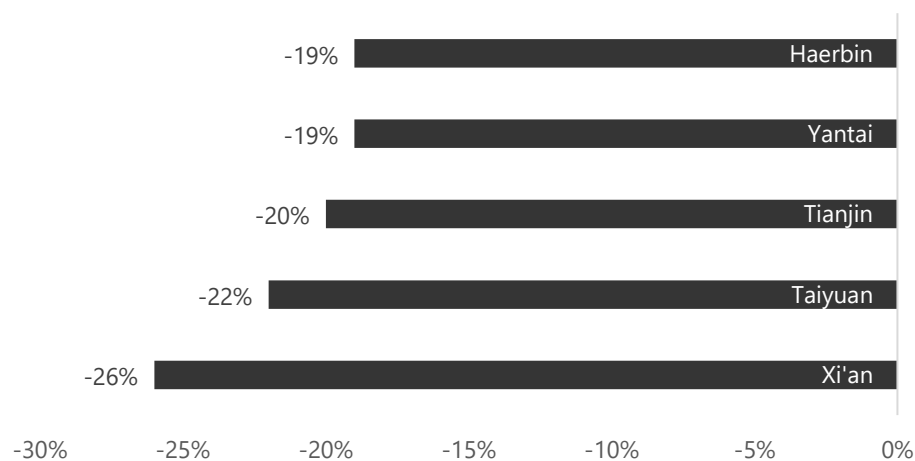
- Global real GDP is expected to further slow to 2.4% in 2024 (down from 2.7% in 2023 and 3.3% in 2022)
- Moderation in positive trends in consumer spending and service-sector activities
- Despite peaks in headline inflation, core inflation has been stickier and has not decisively peaked in many economies
- Speed of disinflationary process is difficult to access and is dependent on demand, labour market dynamics and passthrough from past input price increases
- Tightening of monetary policy rapidly has exposed weaknesses in the financial markets
- Long and variable lags in passthrough of monetary policy could indicate there is further financial turmoil on the horizon



## China's investment in real estate development



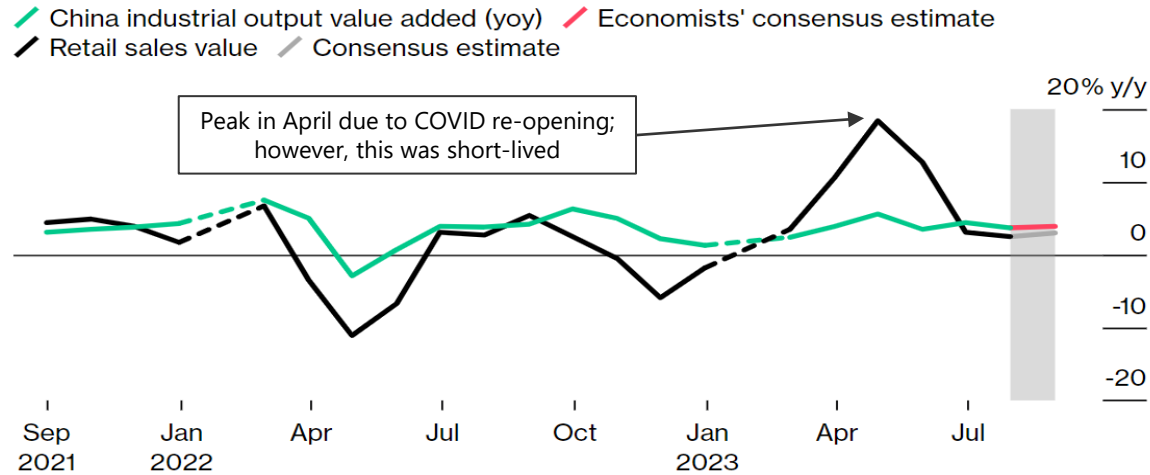
## Existing home-price declines



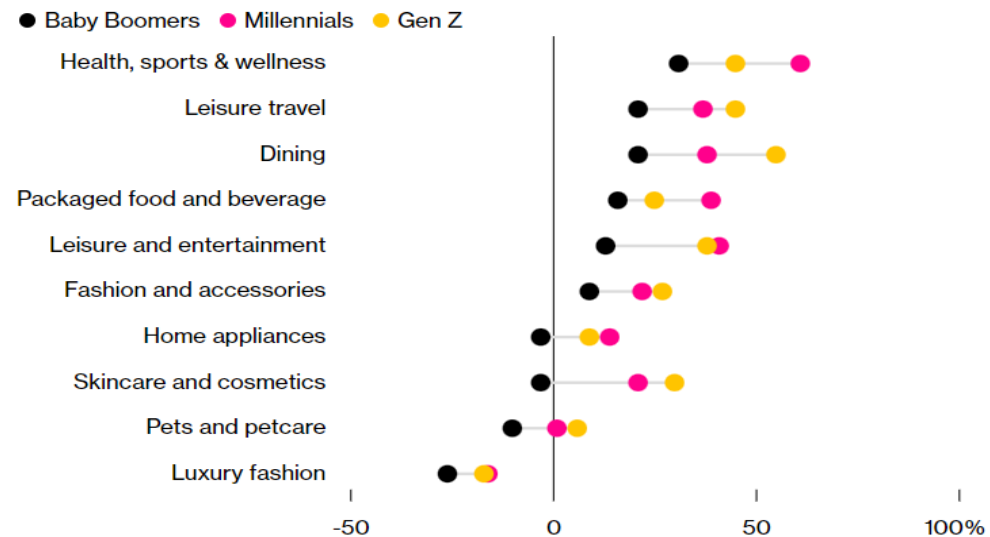
## Key commentary

- Existing home prices falling by at least 15% in major metropolitan areas like Shanghai
- Existing homes in Hangzhou have dropped about 25% from late 2021 highs
- Top cities, like Shenzhen, considered resilient against housing downturn have also slumped by 15% in past three years
- Companies responsible for about 40% of Chinese home sales have defaulted
- Turmoil in property has left suppliers unpaid and homebuyers without apartments, as they have made hefty downpayments
- New home sales for top 100 property developers declined by 33% in July, compared to 2022
- Trying to stimulate by relaxing restrictions for residential purchases in major cities, regulators considering reduction in down payment and lowering agent commissions
- 12% of China's GDP consists of developer debt and is at risk of default
- 16-point plan to address liquidity crisis, and pledging of 200 billion yuan (\$28 billion) in special loans to ensure stalled housing projects are delivered

## China's retail sales (YoY growth %)



## Spending intentions amongst Chinese population



## Key commentary

### Labour market

- Labour market remains weak, despite increase in jobless rate to 5.6% in February and youth unemployment at 18.1%
- There is calls for more stimulus; however, central bank is facing several constraints, such as weaker yuan and elevated debt levels in the economy
- Drop in China's trade activity, which creates tens of millions of jobs, has been a key driver to the surge in youth unemployment

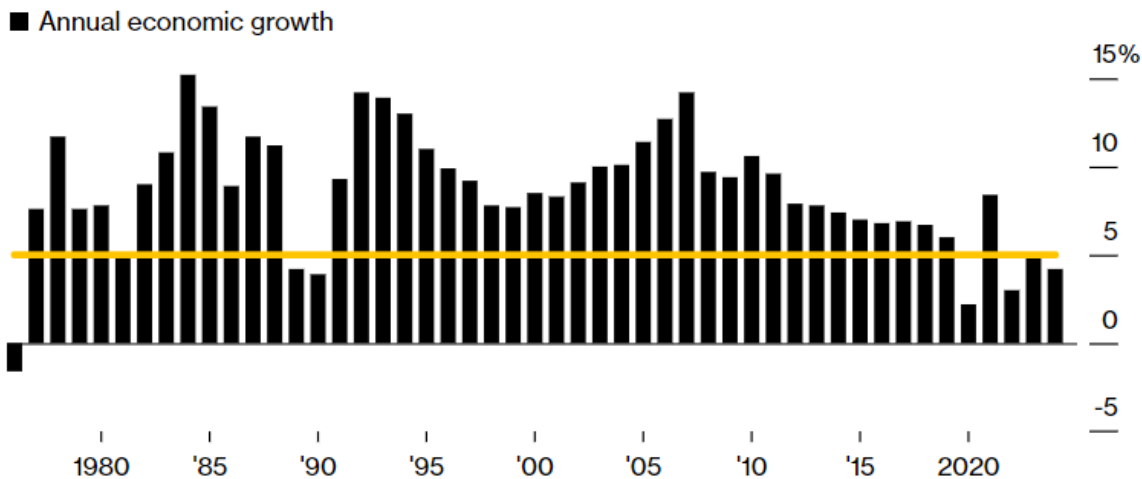
### Luxury purchases

- Pre-pandemic, China was world's biggest source of luxury buyers
- Consumers are spending more on the sports & wellness sphere (fitness equipment, gym memberships etc.) at the expense of high-end fashion & expensive bags
- Baby boomers, the first generation in China to embrace Western brands, are least likely to splash out post-pandemic, with their luxury fashion spending to drop the most this year

## China's export volumes (USD)



## Stagnation in China's economic growth



## Key commentary

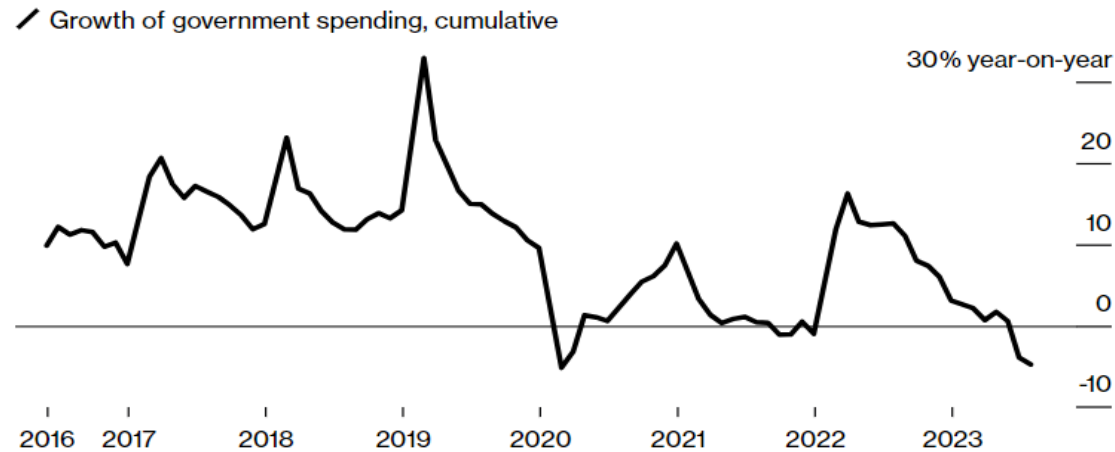
### Exports

- China has experienced a trade slump, with overseas shipment falling 8.8% in dollar terms from a year earlier
- Muted global demand has weighed down on shipments, as the world grapples with inflation and recessionary fears
- China has been an export-oriented country, with trade exports accounting for over >20% of the country's GDP
- Little respite for China's exports as US is likely to enter a mild recession and Eurozone remains weak

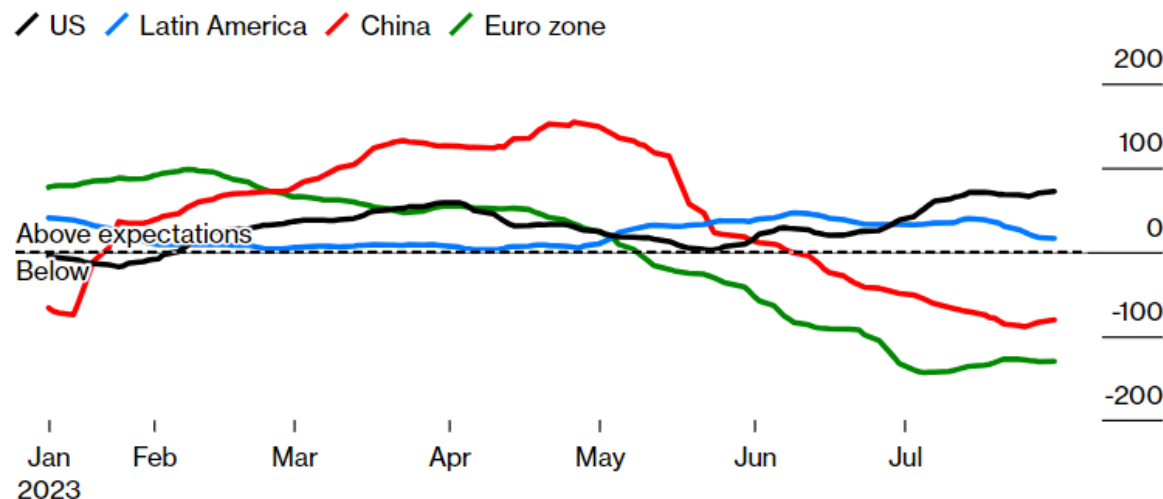
### Imports

- Decline in Chinese imports; however, this has seen a milder decline in recent months, indicating that downturn in domestic demand may be bottoming out
- Taiwan and South Korea are reliant on China, and shipments to China have dropped 27.5% for South Korea due to slide in semiconductor prices and slackened demand from China
- China remains No. 1 buyer of Korean products and sustained struggles by China in jumpstarting its economy could be a bellwether of continued slump in exports for other emerging markets

## China's fiscal support



## Expectations on economic performance



## Key commentary

### Current stimulus

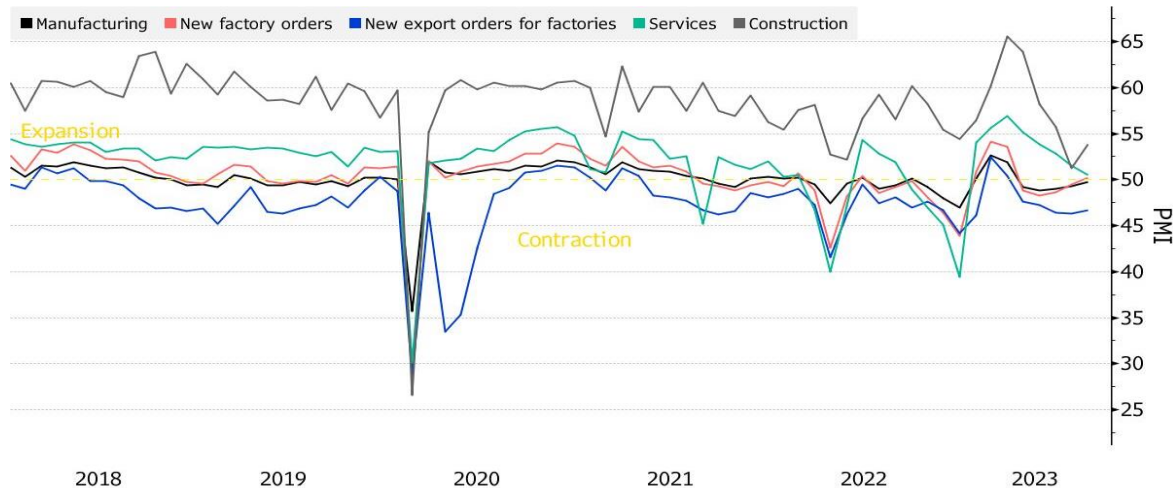
- Lowered financing restrictions and mortgage costs for developers – this is in a doom loop as diminished cash flow leaves developers unable to finish properties, hurting buyer appetites and further declines
- Ended crackdown on internet platform companies
- Boosted local government funding via debt refinancing
- Stopped short of increasing own debt issuance, unlike before where special treasury bonds were sold in 2009 and 2020

### Rationale

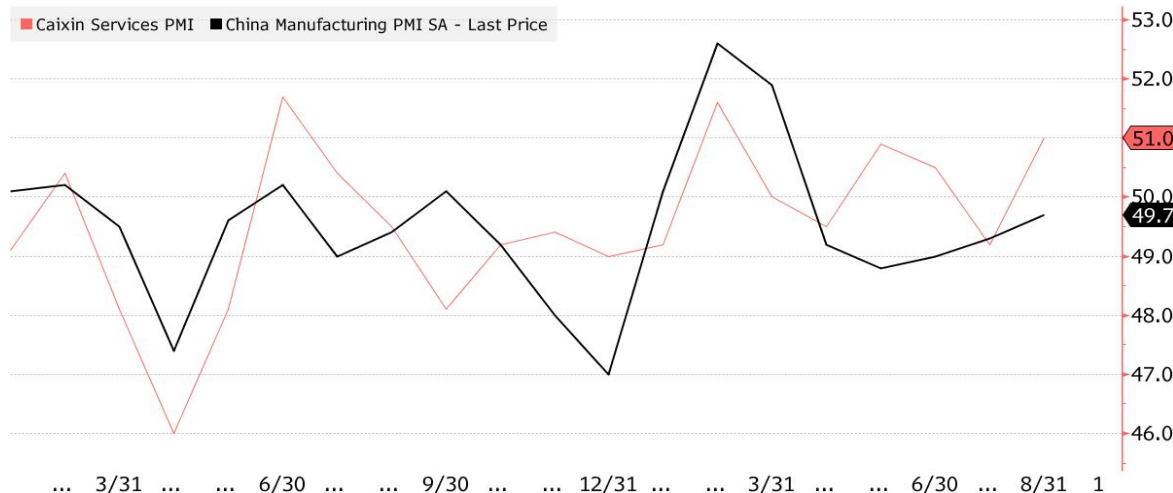
- Xi Jinping is pursuing “quality” growth, rather than economic expansion
- China is seeking to move away from a reliance on property and local government debt to stimulate its economy
- In the past, debt-fuelled expansion has led to industrial overcapacity and white elephant projects, which Beijing is trying to avoid
- Concerns on fostering a welfare dependency, and “laziness” amongst the population as employment is seen as the best way to boost consumption
- Beijing does not trust local governments to distribute money efficiently or without corruption

# China's manufacturing activity

## China's factory activity



## Caixin manufacturing PMI



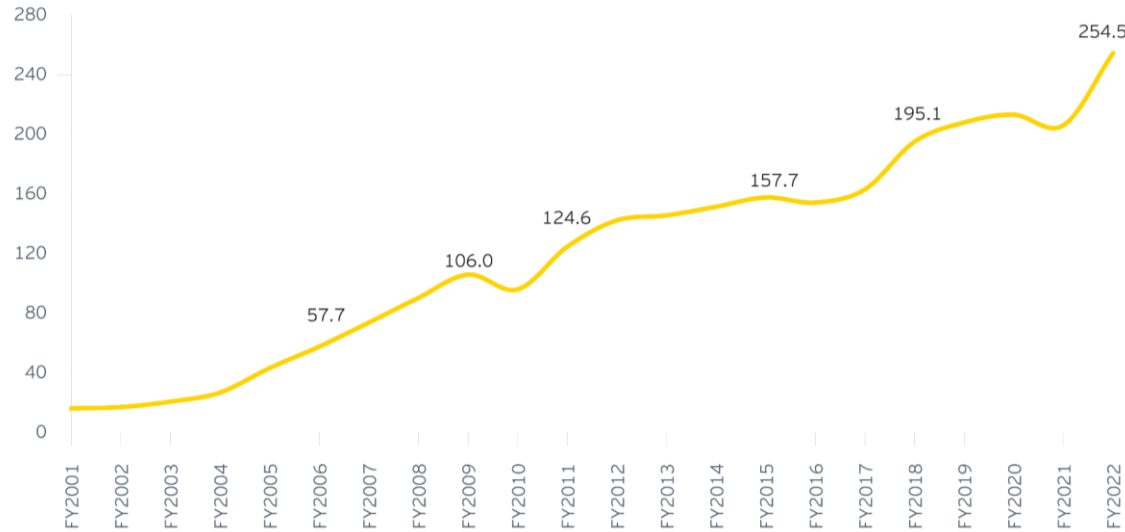
## Key commentary

- China's manufacturers have been struggling due to slump in global demand and subdued domestic spending
- Manufacturing contraction eased slightly in August; however, market reaction to the figures was muted
- Manufacturing PMI in August looks as if activity will be flatlining in the near term
- Ebbing in the boom of 'consumption revenge' and there are concerns as to whether service spending can continue expanding in a sustainable manner, especially considering there is a lack of additional stimulus
- Traffic to many long-haul destinations in China are still down heavily compared to pre-COVID, due to political friction
- Further weakening of services spending rebound and manufacturing activity could lead to disappointment in Asian economies that are banking on recovery of Chinese tourist arrivals

# Opportunity in India

India's technology sector indicates promising growth for positive investment

## India services exports (US\$bn)



Source: RBI

14%

growth in services exports in past 20yrs

45%

of the world's GCCs are set up in India

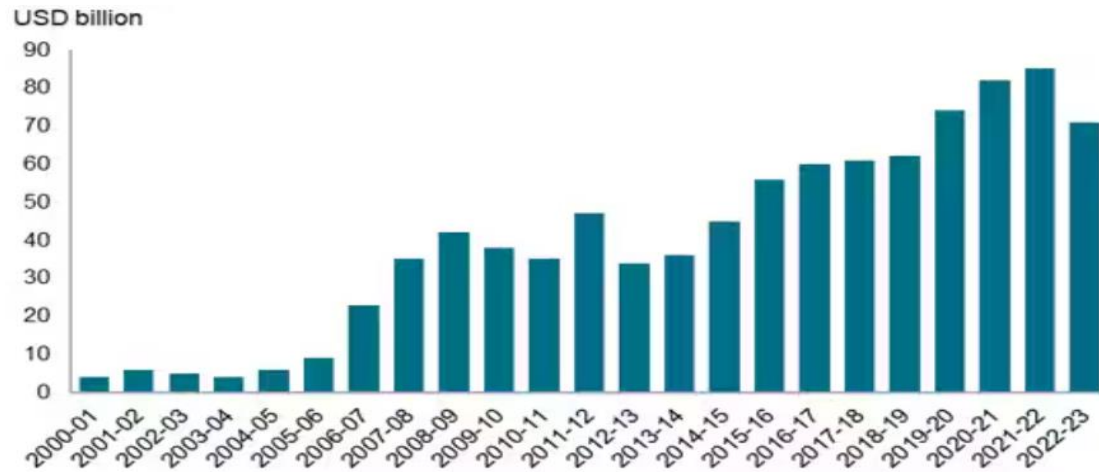
> 50%

contribution to GDP by services sector

## Key commentary

- India is emerging as the world's technology and services hub, being one of the **largest global exporters of IT and BPO services**
- India is growing as the preferred destination for GCCs partly due to value of the Indian demographic dividend, with over 1,500 GCCs set up in India as of end of 2022
- India accounts for over 45% of the GCCs in the world with **50-70% of global technology and operations headcount** based out of India GCCs
- Over 99,000 recognised start-ups in India that has continued to garner global interest and FDI
- Rise in internet users, expected to reach **900m by 2025** from 759m in 2022, primarily from rural areas, will help propel the tech industry growth
- As India further gains strength as the world's technology and innovation hub, the share of transformational and more complex, expertise-based services will enable Indian IT services sector to grow faster
- Indian companies are now **leading with new software innovations**, due to strengthening relationship with the US and access **to American-protected technologies**

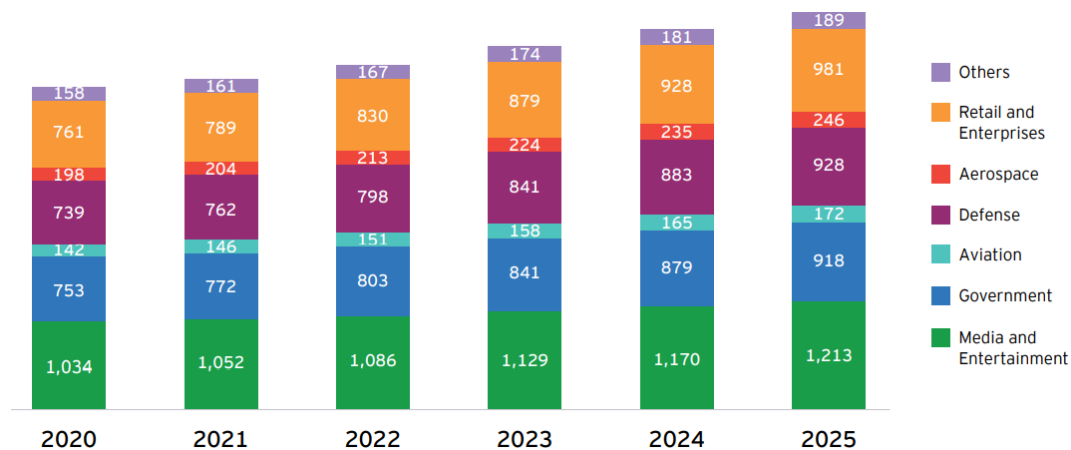
## Foreign direct investment inflows



## US-India relations

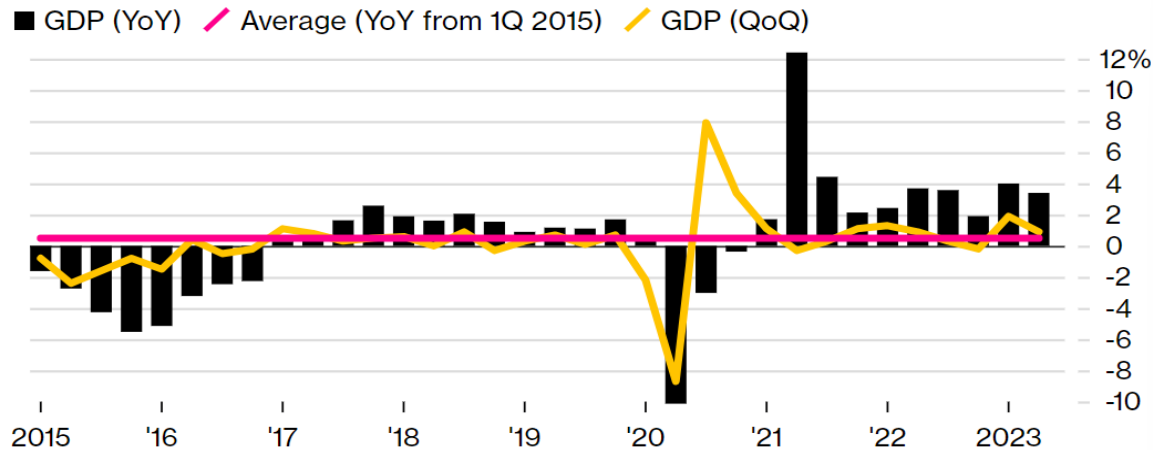
- Deeper relationship with US on a governmental and private-sector level will create a secure supply chain and positive feedback loop
- India can develop original intellectual property through US
- India's growth can compensate for US' loss of trade with China
- As India gains access to US-protected technologies like semiconductors, they can begin to innovate
- ~25% of foreign direct investment inflows to India was dedicated towards the Computer Hardware and Software sector

## Opportunity in India's space tech sector

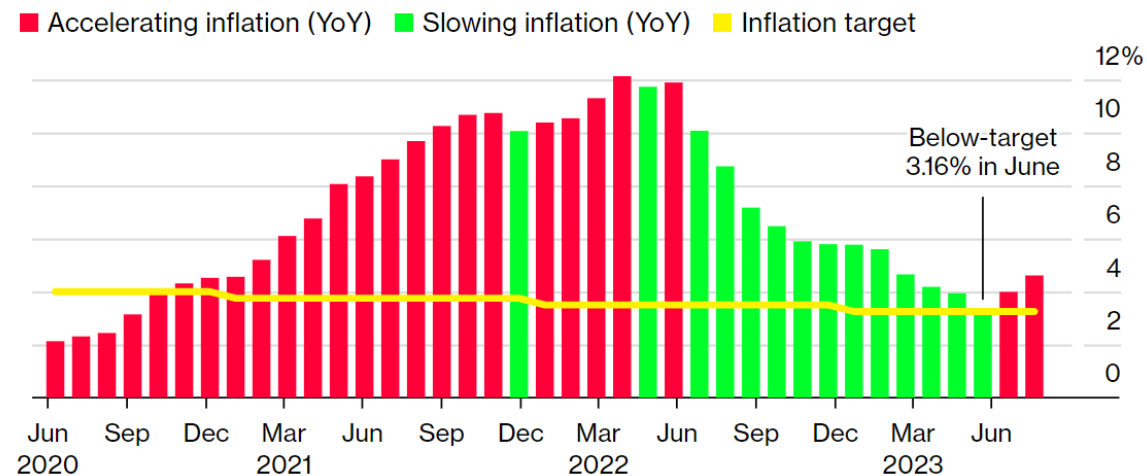


- 2020-25 CAGR growth rate for global space economy is **6%**, with a **196% increase in investment** into India's space tech start-ups between 2020-21
- India ranks No. 5 globally for number of space tech companies, positioning the country for accelerated growth
- Satellites have potential to bridge digital divide in India - e.g. connectivity for education and improving digital health solutions
- US-India relationship and further private investment will be pivotal in growing space tech, given US' ranking as No. 1

## Economic activity



## Inflation

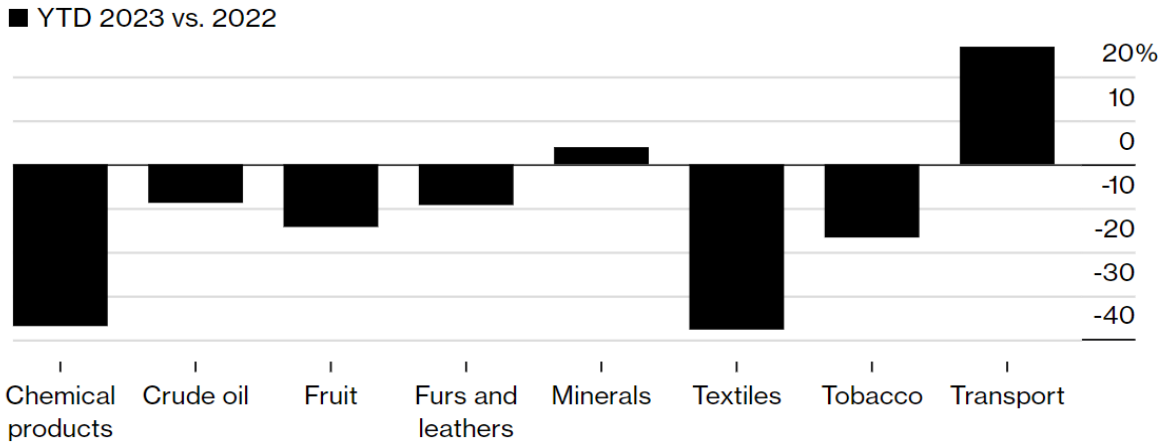


## Key commentary

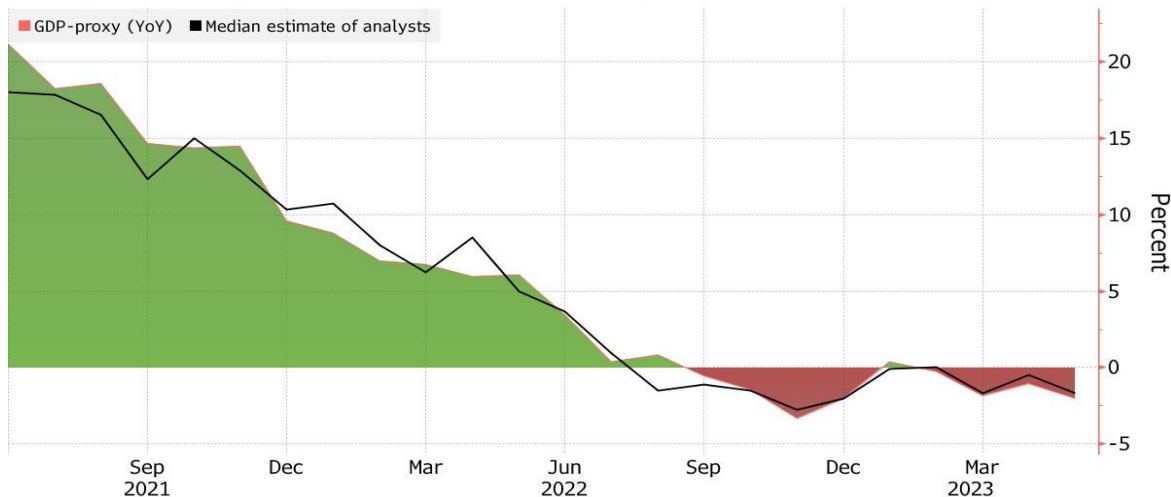
- Under President Lula, there has been a push for monetary policy to be loosened in hopes of boosting economy
- While annual inflation has increased for two consecutive months, price pressures in services sector have exhibited signs of improvement
- Industrial production has increased slightly by 0.1% in June, while retail sales were unchanged
- Analysts have raised their 2023 economic growth estimates for Brazil up to 2.29%
- Robust labour market and strong services have helped to deliver back-to-back quarters of growth
- Elevated interest rates are likely to sap momentum from Latin America's largest economy in coming months
- Given Brazil's turbulent decade and political turmoil, there are still questions on the sustainability of Brazil's growth under Lula



## Argentina's exports



## Shrinkage in Chile's economy (YoY %)



## Key commentary

### Argentina

- Argentina is headed towards a recession, with economic activity contracting for the fourth straight month
- Annual inflation is running over 100% and agriculture output has been curbed by a drought
- Overall exports have plunged 35.8% in June from a year ago
- Political uncertainty is running high ahead of October's presidential election

### Chile

- Industrial production has contracted more than expected in May as mining slumped
- Retail sales have fallen at double digit rates in nine of the last 13 readings
- Central bank is preparing to cut interest rates after holding steady at 11.25%

### Peru

- El Nino weather pattern has paralyzed its important fishmeal industry
- Political turmoil has chipped away at the nation's success story (six presidents within seven years)

## Precarious US-China relations



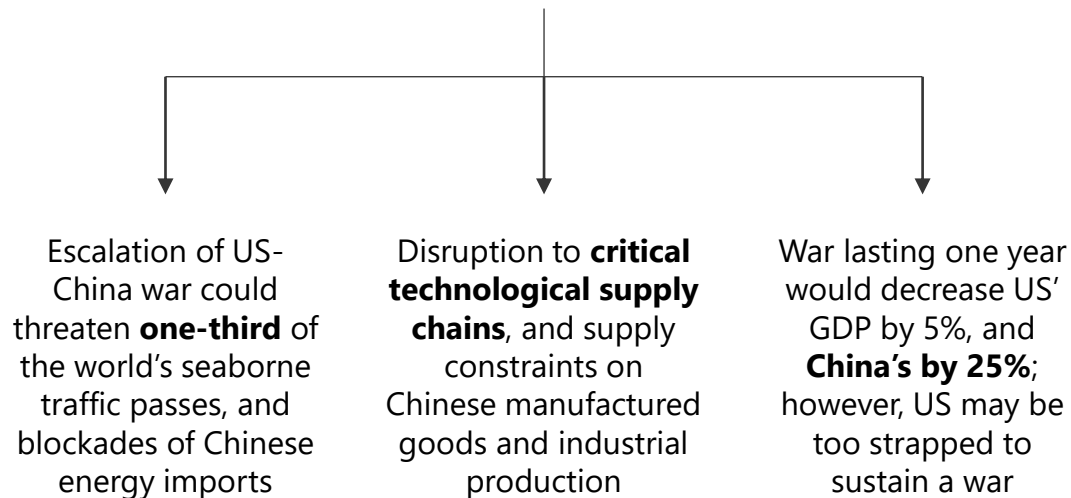
Xi Jinping has ordered China's military to annex Taiwan as early as 2027



US views China's presence in the Indo-Pacific region as military aggression



Alliances have been formed between US-South Korea-Japan against the threats of China & North Korea



## Catalysts & responses



- Election of Taiwan's presidential forerunner, Lai Ching-te, could further strain China-Taiwan relations, given his support of pro-independence
- Lai's official stopover to the US has incited an agitated response from China, claiming it to be indication of a push for separatism



- China has recently conducted military exercises around Taiwan and escalated aerospace activities near the coast
- Last year, China protested the visit of House Speaker, Nancy Pelosi, to Taiwan and launched military drills in response



- Biden has vowed to defend Taiwan against an invasion from China, abandoning the usual US policy of strategic ambiguity
- US has imposed sanctions on major Chinese companies, such as Huawei, under the guise of national security



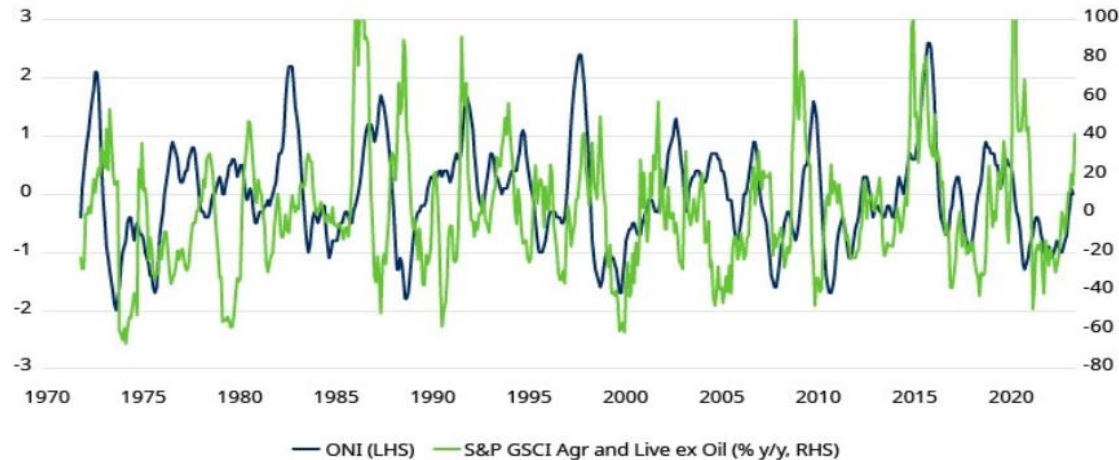
- Trilateral summit between US, Japan and South Korea and missile agreement has increased risk of confrontation by Beijing
- South Korea has also raised suspicions of China hacking government computer hardware



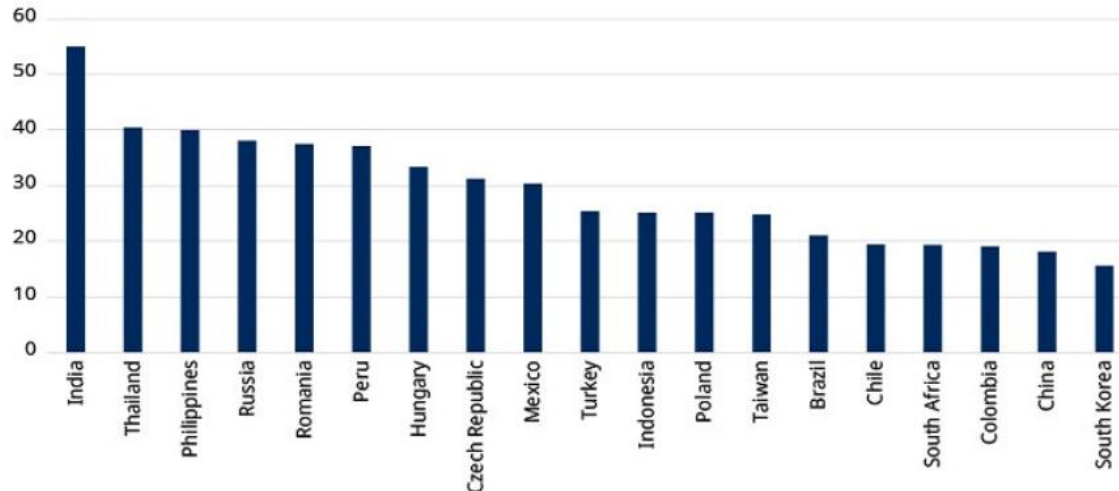
- India has tensions with China due to Himalayan border disputes
- Strengthened defence ties with the US and joined the Quadrilateral Security Dialogue, along with Australia and Japan
- India has sought better relations with Taiwan, with former Indian military chiefs visiting Taiwan in 2023

# El Niño's economic impact is being underestimated

## Correlation between ONI and global food prices



## Food CPI Weights (%)



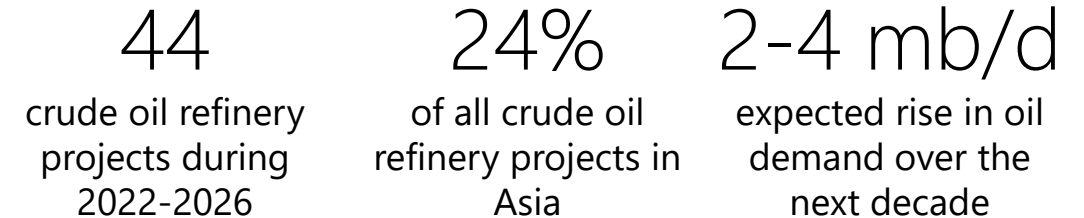
## Key commentary

- El Niño is expected to impact the supply side of the global commodities market, with heavy rain disrupting copper mining in Chile
- Natural disasters have devastating impact on global activity and insurance markets in recent years (e.g. China and India have been suffering from heat waves)
- Changes in weather conditions are a threat to agricultural output, with drought conditions stunting production and excessive raining resulting in crops washing away
- Strong El Niño could lift current levels of food prices to be 40% higher, which could put renewed squeeze on real incomes to the detriment of non-food goods and leaving less room to lower interest rates for central banks
- El Niño would impact poorer countries more heavily as they have greater reliance on agricultural output for economic growth
- For example, food accounts for over 40% of the CPI basket in India

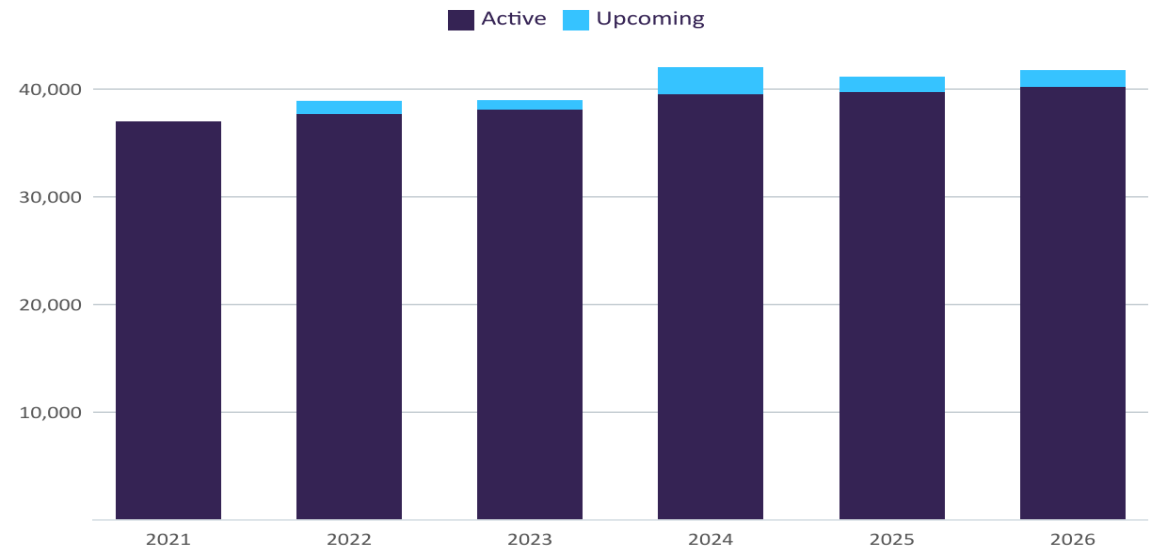
## Key commentary

- Over the next decade, China's oil demand is estimated to rise significantly by a substantial volume in the global context. Key drivers of demand include rapid urbanization and a rising middle class which will continue to increase, e.g. through purchases in automobile or air travel.
- Chinese government's self-sufficiency concerns and desire for petrochemical independence suggest that China's petrochemical industry will rely on oil consumption for years to come
- Over 2 mb/d of new refining additions is planned through 2025 in China. Government is offering full support since new plants are being built by private companies – as part of the government's effort to open the sector to non-state actors. Integrated petrochemical plants further supports the government's goal of self-sufficiency in chemicals
- China expected to commence crude oil refinery projects during 2022-2026, driven by growing refining capacity to meet the rising demand for plastics and petroleum products

## Key statistics



## Refinery capacity additions in Asia, 2022-2026 (mbd)



# Historical allocations & exploring potential allocation changes

MSCI indexes are rebalanced on the last business day of the month prior to quarter-end (Feb, May, Aug, Nov).

## Key commentary

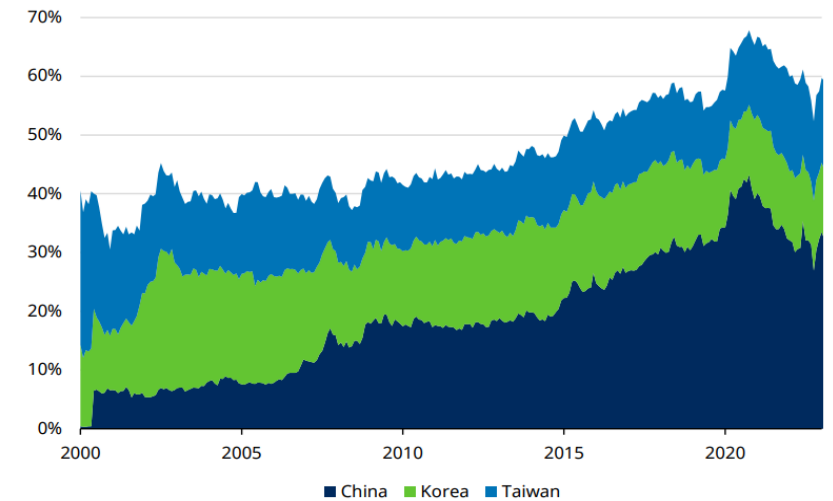
### China's potential weighting downgrade post-war breakout

- The MSCI EEM index has seen removal of countries upon initiations of war (i.e. Russia).
- If China were to launch an attack on Taiwan, war complications and imposed sanctions, such as those enforced on Russia, would result in a breach of MSCI's market accessibility criteria to be included in the investment universe. At minimum, China's weighting would decrease.

### India to replace China?

- With India surpassing China's population in early 2023, it is a spotlight contender to potentially upgrade their weighting.
- Driven by top-line growth and a widening market breath, India is paving the way as a key member of the BRICS emerging economies and in technological innovation.
- This year, India achieved a significant milestone by becoming the first to successfully land on the moon's south pole.
- IMF projections indicate that by 2027, India is poised to surpass stalwarts like Japan and Germany, becoming the world's third-largest economy.

## China, Korea & Taiwan dominate the index



## Country additions/deletions since MSCI Emerging Markets inception

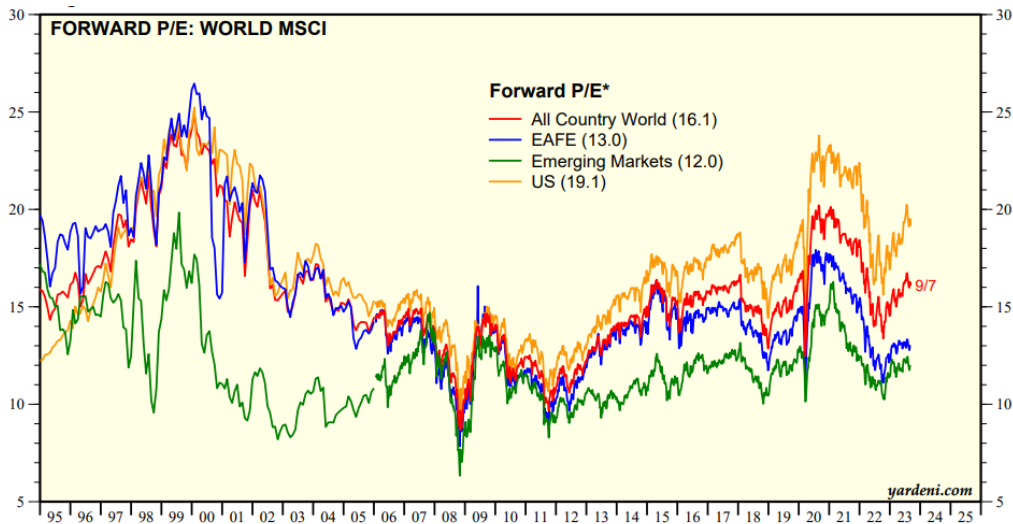
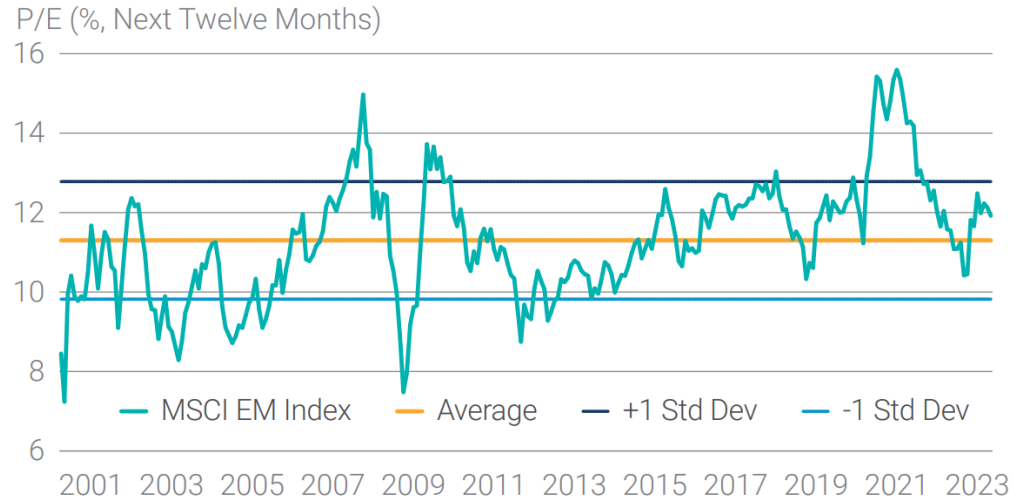
Year	Country
1988	Colombia
1988	India
1988	Pakistan
1988	China
1988	Peru
1988	Israel
1988	Czech Rep
1989	Indonesia
1989	Sri Lanka
1989	Poland
1989	Hungary
1989	Egypt
1989	Qatar
1989	Argentina
1989	Turkey
1989	Korea
1989	Venezuela
1989	South Africa
1989	Taiwan
1989	Russia
1989	Morocco
1989	Greece
1989	UAE
1989	Pakistan
1989	Saudi Arabia
1989	Kuwait
1989	Portugal
1989	Greece
1989	Venezuela
1989	Jordan
1989	Argentina
1989	Israel
1989	Morocco
1989	Argentina
1989	Russia
1989	Sri Lanka
1989	Pakistan
1989	Pakistan
2023	Brazil
2023	Chile
2023	China
2023	Colombia
2023	Czech Republic
2023	Egypt
2023	Greece
2023	Hungary
2023	Indonesia
2023	India
2023	Korea
2023	Kuwait
2023	Mexico
2023	Malaysia
2023	Peru
2023	Philippines
2023	Poland
2023	Qatar
2023	Saudi Arabia
2023	South Africa
2023	Thailand
2023	Turkey
2023	Taiwan
2023	UAE

## MSCI investment criteria

Criteria	Emerging	Developed
<b>A Economic Development</b>		
A.1 Sustainability of economic development	No requirement	Country GNI per capita 25% above the World Bank high income threshold* for 3 consecutive years
<b>B Size and Liquidity Requirements</b>		
B.1 Number of companies meeting the following Standard Index criteria Company size (full market cap) ** Security size (float market cap) ** Security liquidity	3 USD 1260 mm USD 630 mm 15% ATVR	5 USD 2519 mm USD 1260 mm 20% ATVR
<b>C Market Accessibility Criteria</b>		
C.1 Openness to foreign ownership	Significant	Very high
C.2 Ease of capital inflows / outflows	Significant	Very high
C.3 Efficiency of the operational framework	Good and tested	Very high
C.4 Stability of the institutional framework	Modest	Very high

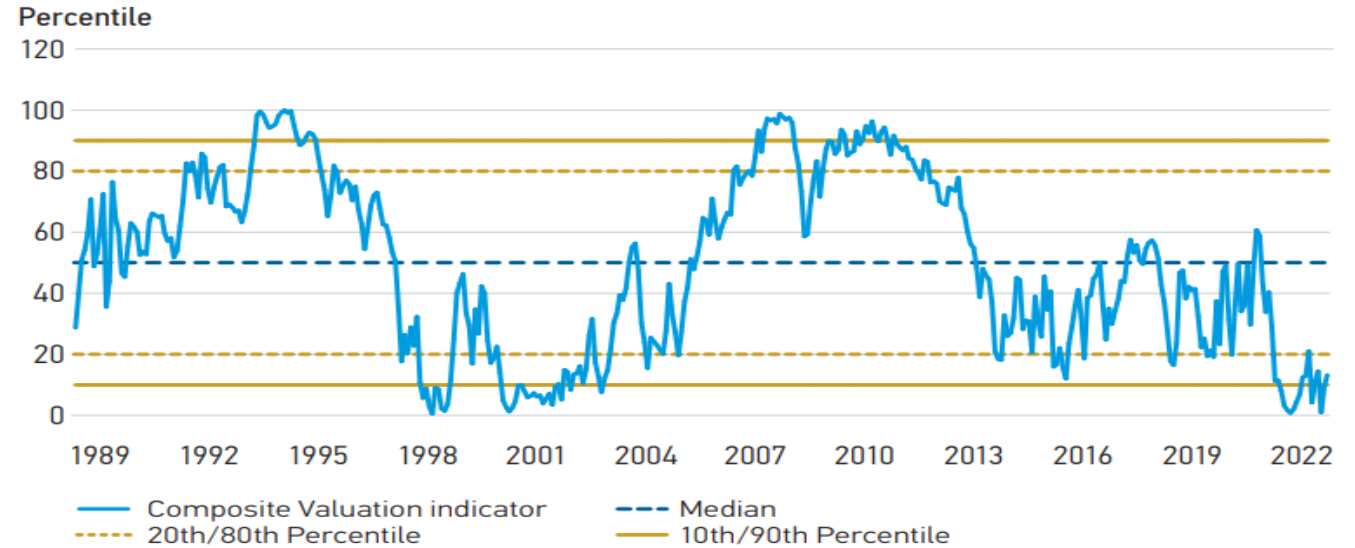
## MSCI EM Index P/E

### Emerging Markets Trading Above Long-Term Average



## Relative EM Equity Valuation are at crisis-level lows

### Emerging Markets vs Developed Markets Composite Valuation Indicator



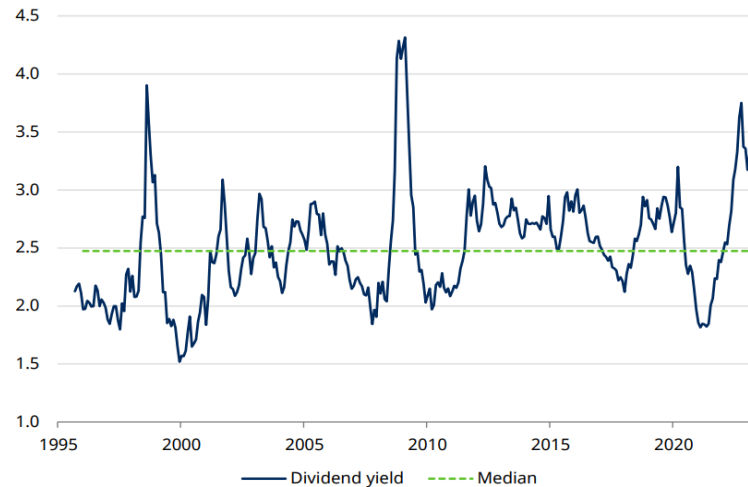
## Key commentary

- EM equities are at crisis-level lows relative to DM. This is evident in the EM vs DM composite valuation indicator
- The current MSCI EM index P/E ratio that is trading above the long-term average suggest otherwise. This misalignment in valuation suggest investors are overpricing the index.

# Looking past the 1-3 year timeframe

## MSCI dividend growth over time

The MSCI EM Index dividend yield (%)

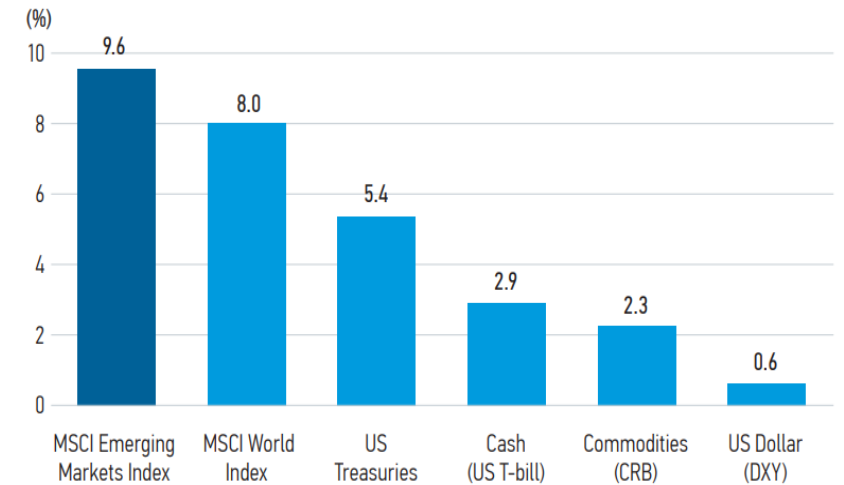


The MSCI EM Index dividend per share (rebased to 100)



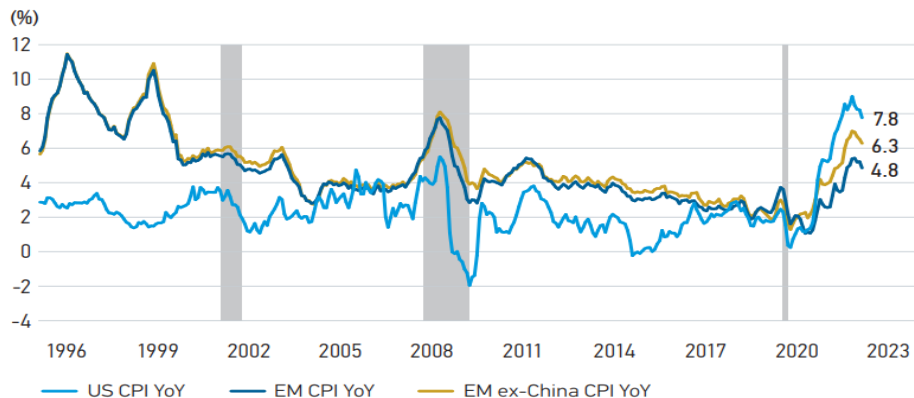
## EM is the long-term performance winner

Annualized Total Return Since 1988, USD



## Inflation in EM tracks lower than the US

Headline CPI Inflation Rate by Region



## Key commentary

- Although there is additional risk, historically, the MSCI emerging markets index have remained the long-term performance winner, relative to MSCI AWCI and other benchmarks, when held since its inception.
- Despite falling EPS, dividends appear to be growing overtime.
- Generally, inflation in EM tracks lower than the US as they began their rate hiking earlier than developed countries. Although inflation still remains elevated, they may recovery faster and be able to relieve inflation-based pressures.