

GLOBAL ECONOMY



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A one-stop guide to the key macro/financial indicators



- In an effort to provide a further edge to investors, we introduced a unique presentation on the global economy, covering as many as 39 nations, together accounting for over 85% of global GDP in CY21.
- Our intent to work on this comprehensive and extremely detailed data-oriented presentation is to provide a one-stop shop to all our readers. We hope this presentation will offer a bird's eye view of how the world economy is evolving.
- We have attempted to cover the most important macroeconomic indicators to offer our readers an idea of various themes, such as: a) consumption v/s investments, b) linkages between monetary variables and inflation, c) key trends in global debt, d) government finances, e) monetary economics, f) international trade developments, g) the global housing market condition, and h) the labor market situation in developed nations.
- This presentation will be released in the first month of every quarter, covering all published data as of the recently concluded quarter.

We cover 39 nations in this presentation...



Advanced economies (AEs):

Australia (AU)

Canada (CA)

Euro Area (EA) – 19*

Hong Kong (HK)

Japan (JP)

Singapore (SG)

South Korea (SKr)

Taiwan (TW)

United States of America (US)

United Kingdom (UK)

Emerging and developing economies (E&DEs):

Brazil (BR)

China (CN)

India (IN)

Indonesia (ID)

Malaysia (MY)

Mexico (MX)

Philippines (PH)

Russia (RU)

South Africa (SAf)

Thailand (TH)

Turkey (TR)

^{*}Austria (AT), Belgium (BE), Cyprus (CY), Estonia (EE), Finland (FI), France (FR), Germany (DE), Greece (GR), Ireland (IE), Italy (IT), Latvia (LV), Lithuania (LT), Luxembourg (LU), Malta (MT), The Netherlands (NL), Portugal (PT), Slovakia (SK), Slovenia (SI), and Spain (ES)

...and discuss the following macroeconomic parameters





Highlights of 2QCY22



Financial market trends:

- Equity markets stabilized in 2QCY22 before rallying in Jul'22
- Bond markets Falling in AEs, stableto-higher in E&DEs
- US Dollar (USD) strengthening continues



<u>Gross domestic product (GDP)</u> growth and its components



How much <u>debt</u> is too much?



<u>Inflation:</u> Has likely reached the peak

06

<u>Government finances:</u> Fiscal deficit has narrowed sharply in 1QCY22



<u>Monetary economics:</u> Monetary tightening is visible now



<u>External sector</u> vulnerabilities are coming to fore in some E&DEs



<u>Housing market:</u> Has begun losing steam



<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

Key highlights of 2QCY22

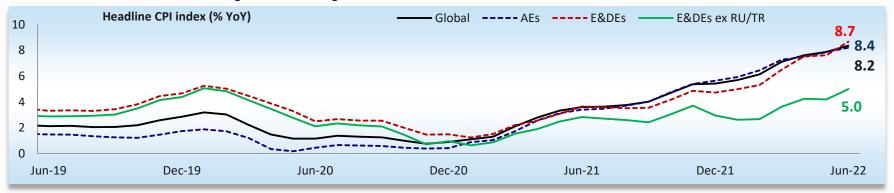


- Global economy has changed dramatically in 2QCY22. As inflation surged higher than expected almost everywhere, several Central Banks (CBs) moved suddenly and sharply to implement monetary tightening in the quarter. Global monetary aggregates (narrow/broad money supply and currency in circulation) have either declined or flattened in recent months.
- Although global headline inflation surpassed 8% level in Jun'21, the core inflation in AEs was stable at 5% for the third successive month. Although most of the major CBs have hiked rates in 2QCY22, some E&DEs such as ID/TH have yet to hike rates, while CN cut rates last in Jan'22.
- Not surprisingly then, financial markets have turned volatile. After stabilizing in 2QCY22, equity markets gained in Jul'22. Further, with the rising US recession fears, 10-yr yield in AEs declined in the recent months, while it remained stable-to-higher in E&DEs.
- With crude oil prices being higher than USD100/bbl, not only headline inflation has risen, but external sector vulnerabilities have also risen in many E&DEs. Going forward, this would remain a key monitorable.
- Finally, while the housing market has started losing some steam in 2QCY22, the labor market (in selected AEs) continues to remain very strong.

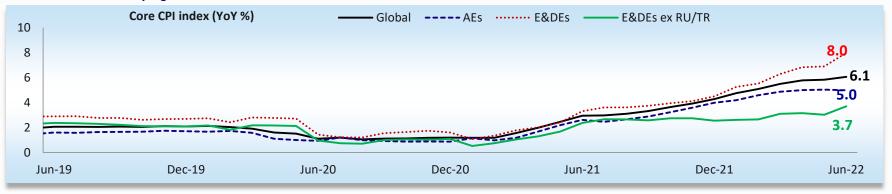
#1: Has inflation peaked?



Headline CPI inflation at multi-decadal highs all across the globe



Core inflation is also very high all over the world but it softened in AEs in Jun'22



Aggregate indices are weighted by nominal GDP

Source: CEIC, various national sources, MOFSL

#2: Some EMs are yet to hike policy interest rates



	Current	CY21-end	CY19-end	Record* low	Record* peak	Last move	Headline inflation#
Brazil (BR)	13.25	9.25	4.50	2.00	26.50	(Jun'22)	11.3 (9.0)
China (CN)	3.70	3.80	4.15	3.70	7.47	(Jan'22)	1.7 (1.0)
India (IN)	4.90	4.00	5.15	4.00	9.00	(Jun'22)	6.8 (6.5)
Indonesia (ID)	3.50	3.50	5.00	3.50	17.67	(Feb'21)	3.0 (2.3)
Malaysia (MY)	2.25	1.75	3.00	1.75	5.50	1 (Jul'22)	2.5 (2.1)
Mexico (MX)	7.75	5.50	7.25	3.00	18.64	(Jun'22)	7.5 (6.9)
Philippines (PH)	3.25	2.00	4.00	2.00	15.00	1 (Jul'22)	4.4 (4.9)
Russia (RU)	8.00	8.50	6.25	4.25	45.00	(Jul'22)	14.6 (16.1)
S Africa (SAf)	5.50	3.75	6.50	3.50	13.50	1 (Jul'22)	6.3 (6.1)
Thailand (TH)	0.50	0.50	1.25	0.50	5.00	(May'20)	5.6 (1.9)
Turkey (TR)	14.00	14.00	11.25	4.50	400.27	(Nov'21)	64.6 (66.5)

^{*}Since CY00

#Jan-Jun'22 Source: BIS, CEIC, MOFSL

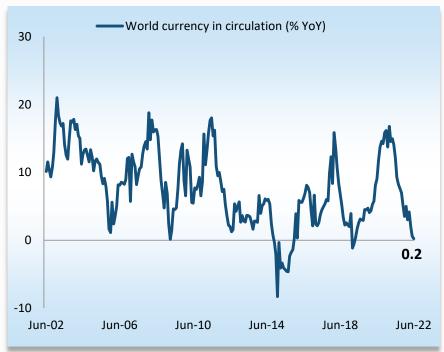
[#] Figure in parenthesis is Core inflation

#3: Global Central Banks are set to tighten monetary policy



While balance sheets of global central banks declined marginally by 20 bps YoY in May'22, world currency in circulation has been reducing at a fast pace





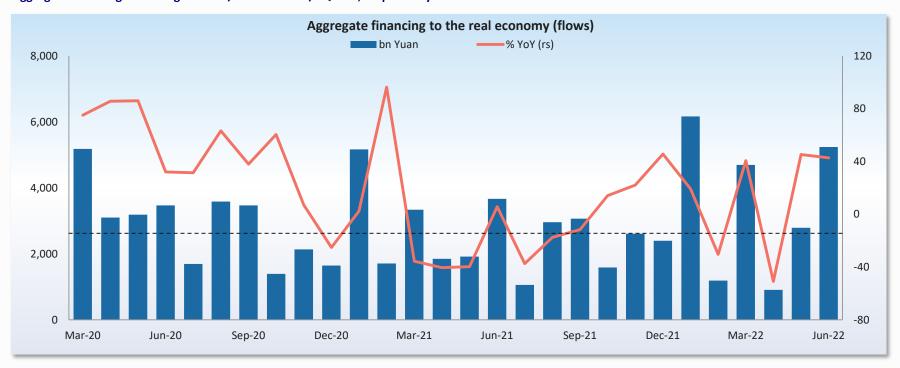
PH data not available for Apr-Jun'22 period. BR/SKr data not available for Jun'22 Source: Various national sources, CEIC, MOFSL

SAf data not available for Apr-Jun'22 period. BR/CA/SKr data not available for Jun'22

#4: China continues to be on the path to monetary easing



Aggregate financing to China grew 43%/20% in Jun'22/2QCY22, respectively

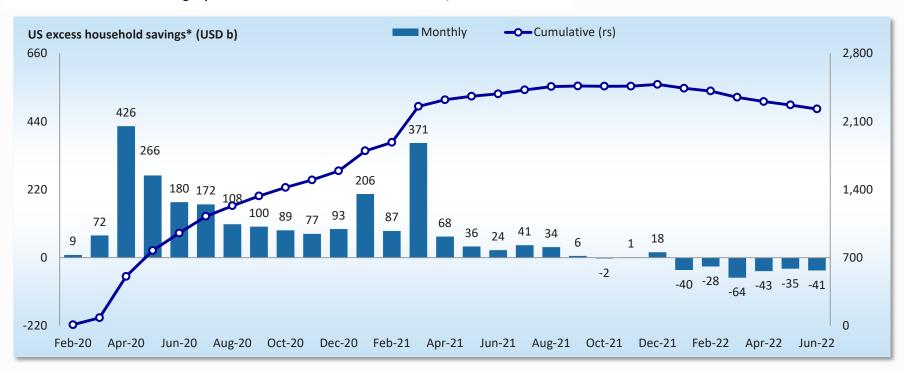


Source: People's Bank of China (PBoC), MOFSL

#5: Gradual withdrawal of excess personal savings continues in the US



The US excess household savings* peaked in Dec'21 and has fallen at ~USD40b/month in 1HCY22



^{*} Implies an estimate of COVID-led additional savings

Source: US Bureau of Economic Analysis, CEIC, MoFSL

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<u>Gross domestic product (GDP)</u> growth and its components



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<u>External sector</u> vulnerabilities are coming to fore in some E&DEs



Housing market: Has begun losing steam



<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

Global equity markets – led by AEs – recover in Jul'22







...supported by Energy & IT sector



Global equity markets have recovered in Jul'22, primarily led by AEs; E&DEs markets were at 21-month low



Aggregate indices are weighted by market capitalization

Source: Bloomberg, CEIC, MOFSL

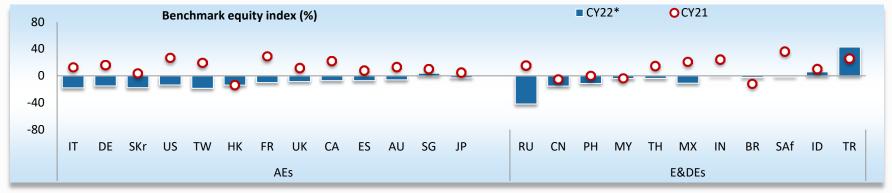
Global m-cap-to-GDP ratio contracts in 1QCY22



Global m-cap-to-GDP ratio declined to 128% in 1QCY22



After a strong CY21, equity markets have fallen almost everywhere in CY22*

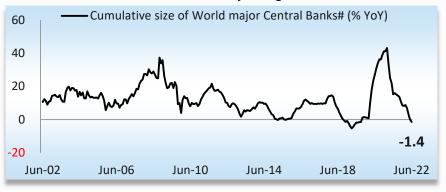


^{*} Point-to-point comparison (1st Aug'22 over 31st Dec'21)

Global economic stimulus peaks



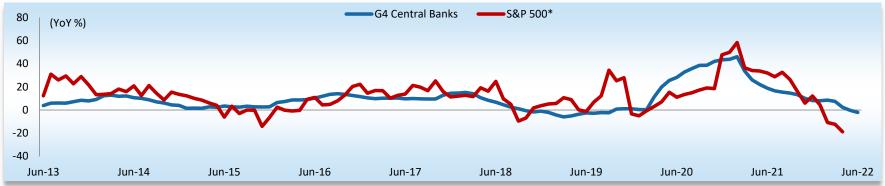




...and the global fiscal deficit also narrowed in 1QCY22



The weakness in the global equity markets is in line with shrinking balance sheets of central banks



#PH data not available for Apr-Jun'22 period. BR/SKr data not available for Jun'22 *S&P 500 index is forwarded by three months

G4 = US Fed, ECB, Bank of Japan and PBoC Source: Bloomberg, CEIC, MOFSL

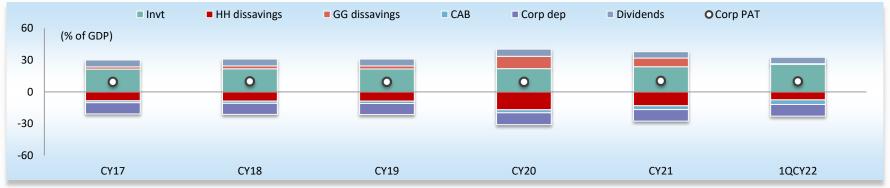
The US corporate profitability moderates slightly from its peak in 1QCY22



The US corporate profitability moderated slightly but remained high at 9.9% of GDP in 1QCY22...



...supported by higher investments (primarily residential)



Corporate profitability = Investments – household savings – government savings + current account balance – corporate depreciation + dividends

Source: US Bureau of Economic Analysis, CEIC, MOFSL

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08

External sector vulnerabilities are coming to fore in some E&DEs



Housing market: Has begun losing steam

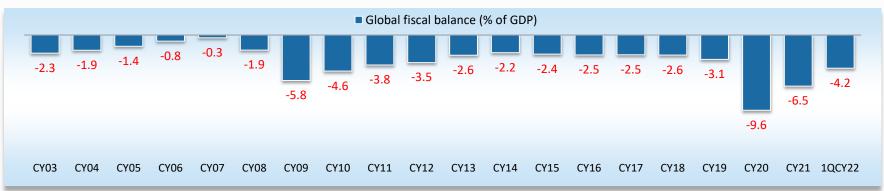


<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

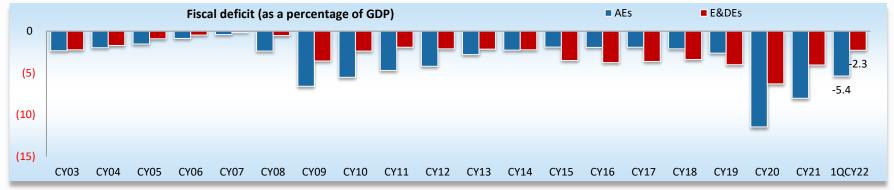
Global fiscal deficit narrows substantially in 1QCY22...



Global fiscal deficit has narrowed in 1QCY22...



...although it remains high in AEs, more than double of that in E&DEs

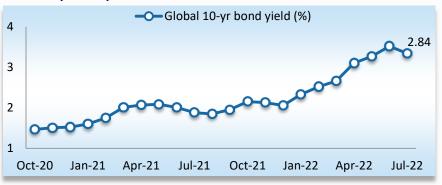


Source: CEIC, Various national sources, MOFSL

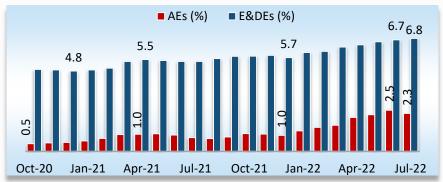
...but bond yields moderate in Jul'22



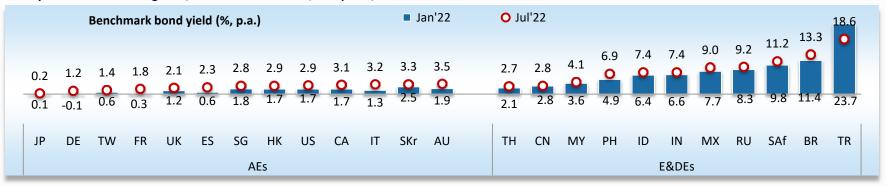




...due to softer AE yields



Bond yields in Jul'22 are higher v/s Jan'22 in all nations, except CN/TR



Aggregate indices are weighted by outstanding government debt

The US bond market tightens in recent weeks



The US Treasury spreads have narrowed substantially in recent months...



...but the breakeven 5-year inflation has reduced to just 2.7% in Jul'22

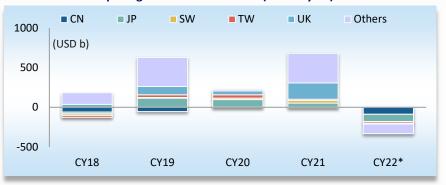


All data as of 1st Aug, 2022

Holdings of US Treasuries by foreigners have also declined continuously...



...with all nations posing sellers in CY22 so far (Jan-May'22)



^{*}Latest data as of May'22

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The USD strengthens sharply in CY22



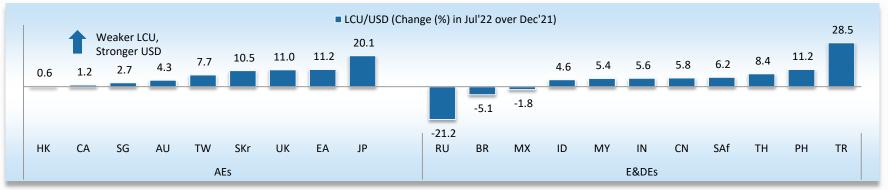




...against both AEs and E&DEs



Several AE currencies have weakened in double digits against the USD in CY22

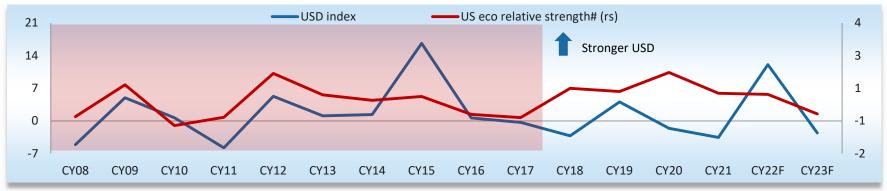


Local currency unit (LCU) All data as of 1st Aug'22 Source: Bloomberg, CEIC, MOFSL

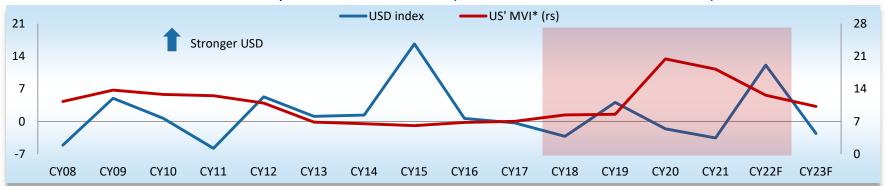
What drives the USD: global growth outlook or the US domestic fundamentals?



The USD saw a strong correlation with its relative economic strength vis-à-vis RoW until CY17...



...but domestic fundamentals have been more important for the USD since CY18 (inverse correlation between US' MVI and USD)



#US real GDP growth v/s that for the rest of the world (RoW)

^{*}Macro Vulnerability Index (MVI) = Fiscal deficit + current account deficit + core PCE inflation Source: International Monetary Fund (IMF), CEIC, Bloomberg, MOFSL

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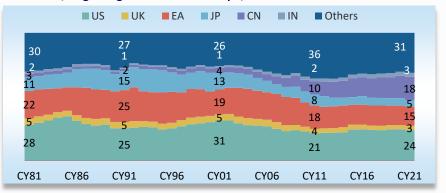
Long-term trends in global GDP since the 1980s



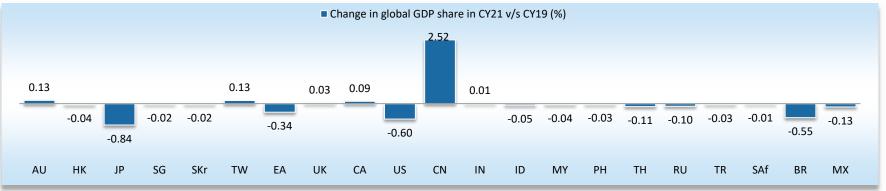




...with CN/IN gaining at the cost of Europe/JP



Among key E&DES, only CN gained, while IN/SAf maintained its share in Global GDP; JP, BR, EA and the US lost the most

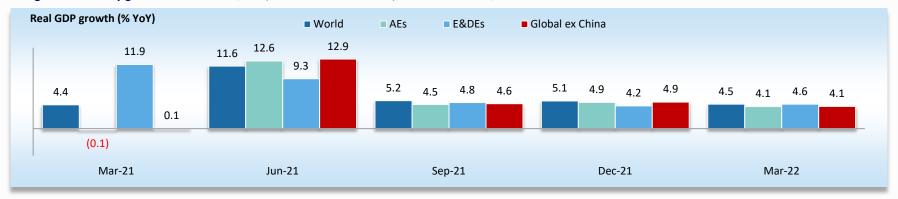


Source: IMF, CEIC, Various national sources, MOFSL

Global real GDP grows 4.5% YoY in 1QCY22...



The global economy grew 4.5% YoY in 1QCY22, lower than in 2HCY21, but similar to 1QCY21



Long-term trends in global real GDP growth



Excluding CN, E&DEs grew at four-quarter low of 3.9% YoY in 1QCY22



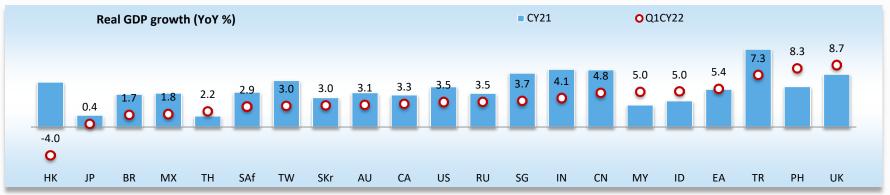
Aggregate data is weighted by nominal GDP

Source: CEIC, various national sources, MOFSL

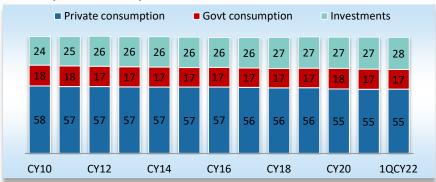
...with striking differences among nations



Real GDP growth in IN was somewhere in the middle at 4.1% YoY in 1QCY22



Share of private consumption remained constant in 1QCY22



Softening in GDP growth was broad-based (v/s 4QCY21)



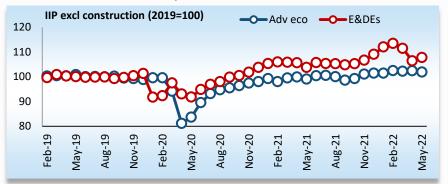
Does not add up to 100% as there are 'net exports' and 'discrepancies' as well

Source: CEIC, various national sources, MOFSL

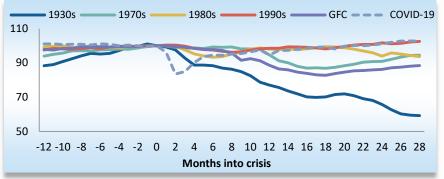
Industrial production continues to grow decently in E&DEs...



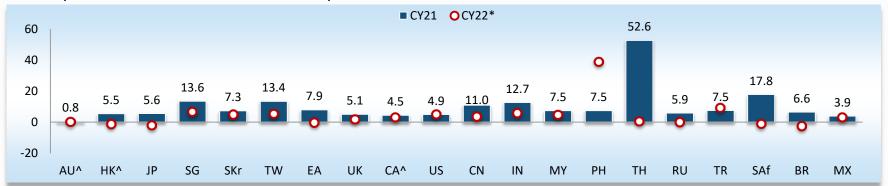
IIP remained subdued in AEs v/s E&DEs...



...but, compared with previous crisis, saw total recovery in the US



Industrial production has weakened in all economies except PH and TR in CY22*



^Data up to Mar'22; *Up to May'22 otherwise

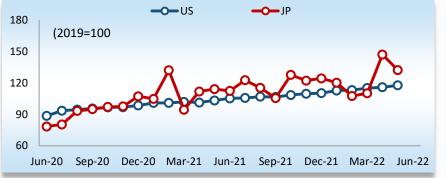
Source: CPB Netherlands, National Bureau of Economic Research (NBER), CEIC, MOFSL

Starting dates for recession from NBER (1930s = Aug'28, 1970s = Jan'73, 1980s = Jan'80, 1990s = Jul'90, GFC = Dec'07, COVID-19 = Feb'20)

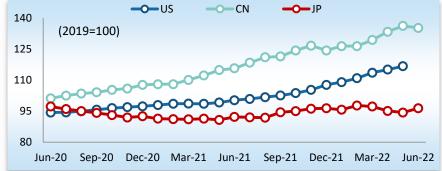
...and capacity utilization is back to pre-COVID levels



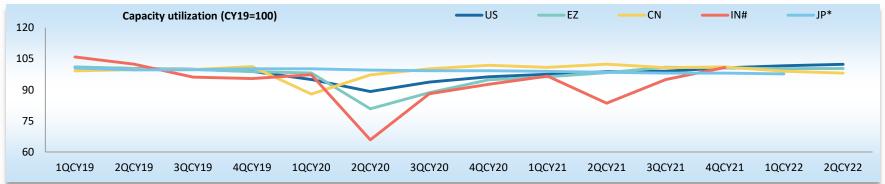




...and inventory levels picking up in the US, high in CN but subdued in JP



Capacity utilizations steadily come in line with pre-COVID levels in most AEs



India data up to 4QCY21 and *JP data up to 1QCY22

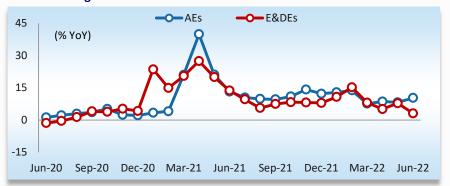
Retail sales continue to grow decently in 2QCY22...



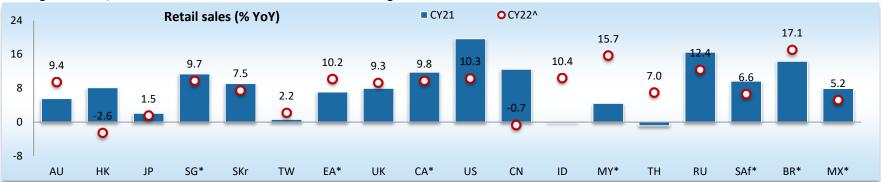
Nominal retail sales continued to grow decently in 2QCY22...



...with better growth in AEs than E&DEs



Barring HK and CN, retail sales increased in all other economies during CY22^



#Based on 37 nations; data unavailable for IN and PH

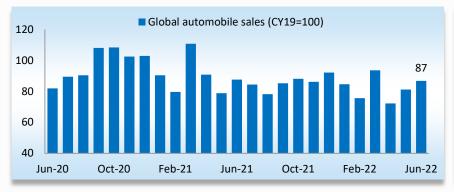
^ Up to Jun'22, * Available up to May'22

Jun'22 not yet available for SG, EZ, CA, MY, TR, SAf, BR and MX Source: CEIC, various national sources, MOFSL

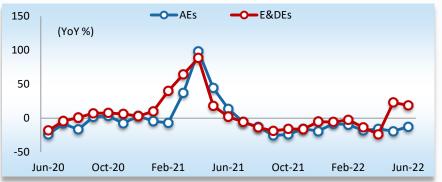
...while global Automobile sector is weak



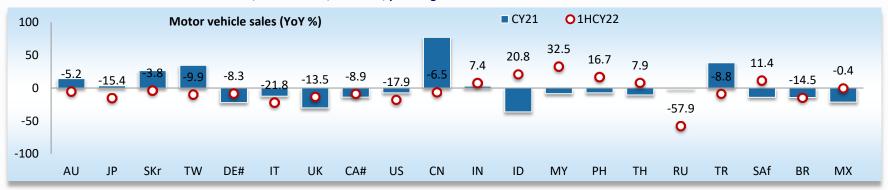




...with sales declining continuously in AEs; E&DEs recovered in May-Jun'22



Auto sales declined in all AEs and CN as well; Most E&DEs, however, posted growth in 1HCY22



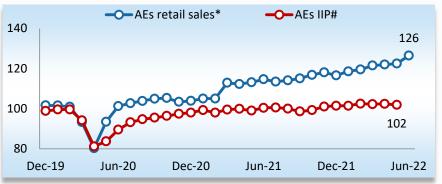
DE/CA data unavailable for Jun'22

Source: CEIC, various national sources, MOFSL

Consumption v/s investment: Different growth drivers in AEs v/s E&DEs



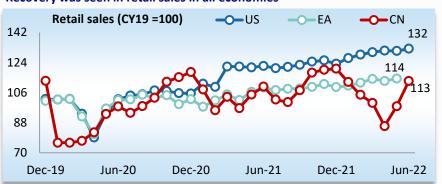
Retail sales saw stronger recovery in AEs...



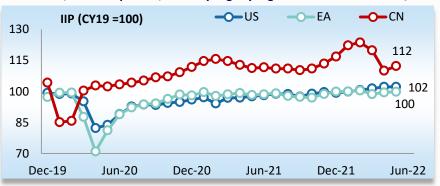
...while the divergence was not so stark in E&DEs



Recovery was seen in retail sales in all economies



In contrast, IIP was up in CN, but only slightly higher than CY19 in the US/EA



^{*}Based on a sample of 37 nations (no data available for IN and PH)

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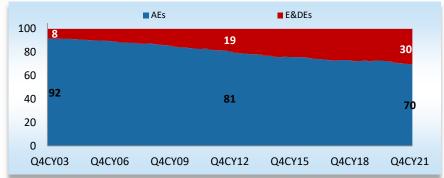
Global debt-to-GDP ratio has moderated further in 4QCY21



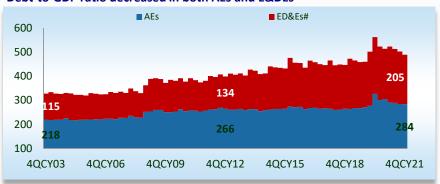




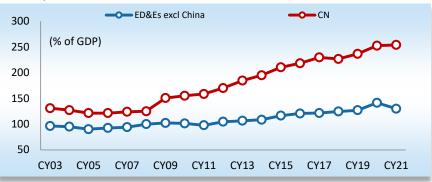
The share of AEs remained unchanged at 70% in 3QCY21



Debt-to-GDP ratio decreased in both AEs and E&DEs



Excl. CN, debt for E&DEs reduced to 130% in CY21



^{*}In addition to our sample of 37 nations (TW/PH excluded), this section includes eight more nations (Czech Republic, Denmark, Sweden, Norway, SW, Hungary, Poland, and Argentina)

Source: Bank for International Settlements (BIS), IMF CEIC, MOFSL

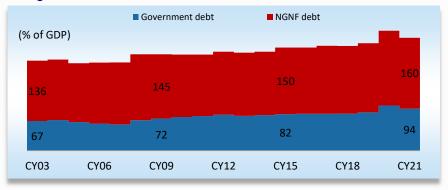
The moderation has been broad-based



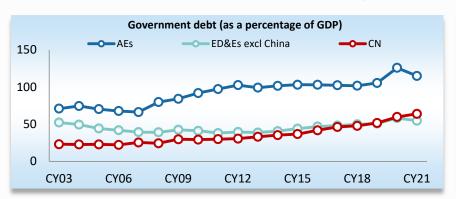
Government debt moderated faster than NGNF debt in CY21



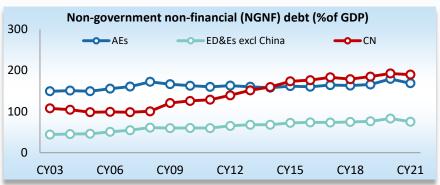
Both government and NGNF debt moderated in CY21



Government debt in CN rose while that in E&DEs reduced in 4QCY21...



...but NGNF debt in CN is more comparable to that in AEs

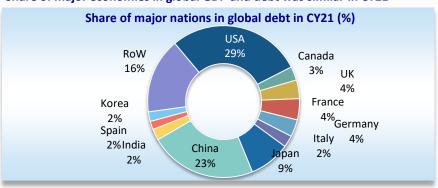


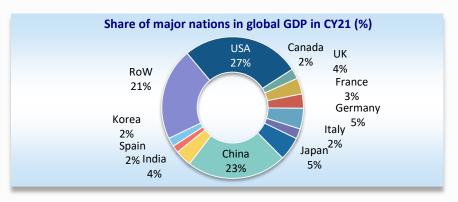
Source: BIS, CEIC, MOFSL

Global debt eases further in 1QCY22 (for select economies)



Share of major economies in global GDP and debt was similar in CY21

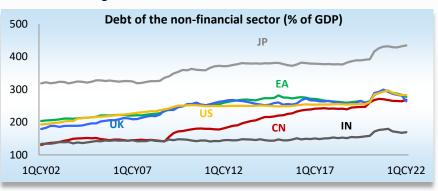




The global debt-to-GDP ratio eased further in 1QCY22...



...but remained high for most nations



Source: IMF, BIS, CEIC, Various national sources, MOFSL

AGENDA





Highlights of 2QCY22



Financial market trends:

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Gross domestic product (GDP) growth and its components



How much <u>debt</u> is too much?



Inflation: Has likely reached the peak

06

<u>Government finances:</u> Fiscal deficit has narrowed sharply in 1QCY22

07

<u>Monetary economics:</u> Monetary tightening is visible now

80

<u>External sector</u> vulnerabilities are coming to fore in some E&DEs

09

<u>Housing market:</u> Has begun losing steam

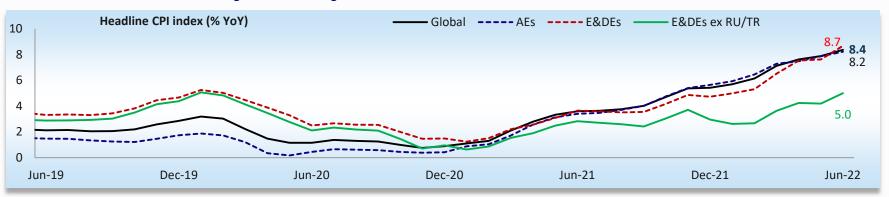
10

<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

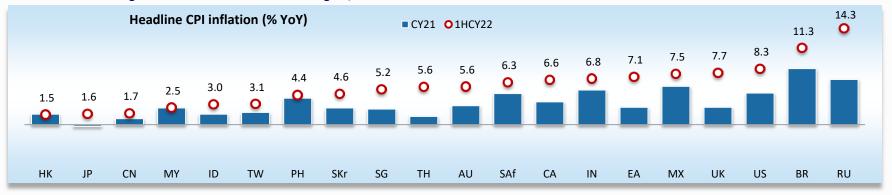
Global headline CPI inflation at a multi-decade high...



Headline CPI inflation at multi-decadal highs all across the globe



Inflation in 1HCY22 higher than CY21 in all nations barring HK/MY

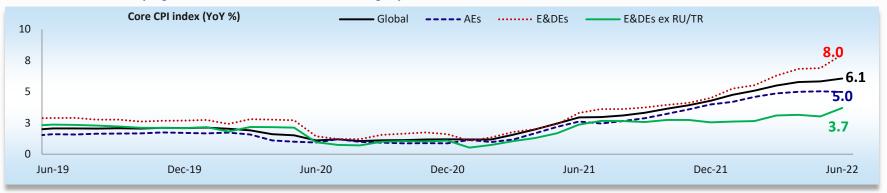


Aggregate indices are weighted by nominal GDP

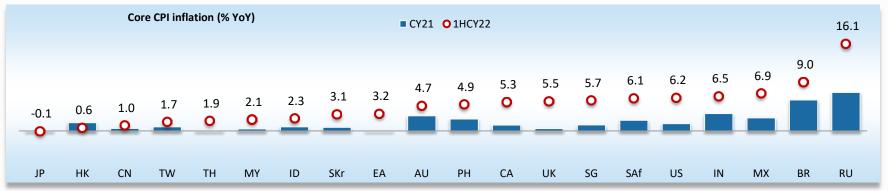
...and core inflation stable for the last three months in AEs



Core inflation is also very high all over the world but it softened slightly in Jun'22 in AEs



Core inflation in 1HCY22 higher than CY21 in all nations except JP and HK



Aggregate indices are weighted by nominal GDP

Falling core inflation reflects the role of energy prices



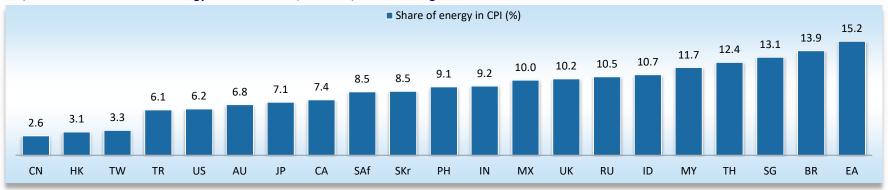
The surge in headline inflation in IN is lesser than broad E&DEs...



...and so is the rise in core inflation



CN/HK has the least share of energy in its CPI-basket, while EA/BR has the highest share



AGENDA





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<u>External sector</u> vulnerabilities are coming to fore in some E&DEs



Housing market: Has begun losing steam

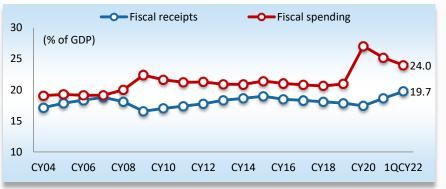


<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

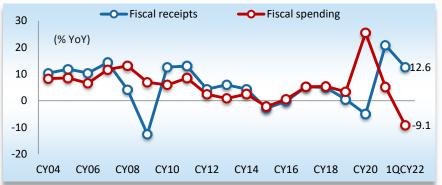
Global fiscal deficit narrows substantially in 1QCY22...



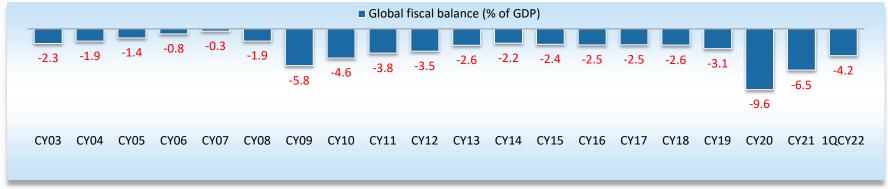
Global fiscal spending remained high in 1QCY22...



...but declined in YoY terms in 1QCY22



Global fiscal deficit narrowed sharply in 1QCY22, but was still higher v/s pre-COVID levels

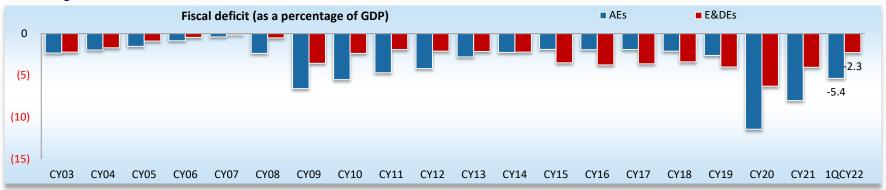


Aggregate indices are calculated using USD values

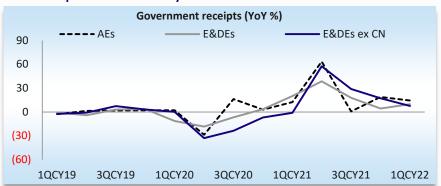
...primarily led by still easy fiscal policy in AEs



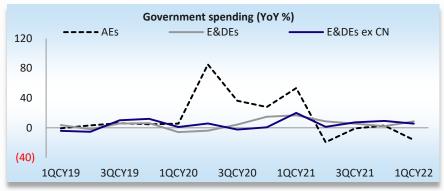
The fall in global fiscal deficit in 1QCY22 was due to both AEs and E&DEs



Fiscal receipts moderated everywhere...



...and fiscal spending declined in AEs in 1QCY22



Aggregate indices are calculated using USD values

IN has among the lowest receipts in 1QCY22



IN's government receipts fell to the lowest at 6.7% of GDP in 1QCY22 v/s 10% of GDP in CY21



However, IN's fiscal spending increased in 1QCY22 v/s CY21

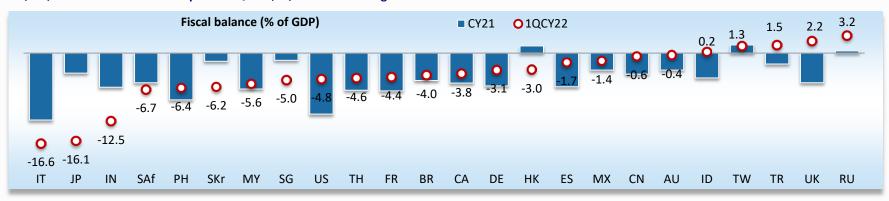


Data for central government only for most E&DEs

Fiscal support to GDP growth would weaken in the post-COVID era



RU, UK, TR and TW had fiscal surplus in 1QCY22; IT, IN and JP ran highest deficit



Barring BR, ID, IT, RU, TR and TW, government spending growth in post-COVID period would be lower than in the pre-COVID period in all other nations



Pre-COVID = CY15-19, post-COVID = CY22-26 (based on IMF forecast)

AGENDA





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Monetary economics: Monetary tightening is visible now



<u>External sector</u> vulnerabilities are coming to fore in some E&DEs



<u>Housing market:</u> Has begun losing steam

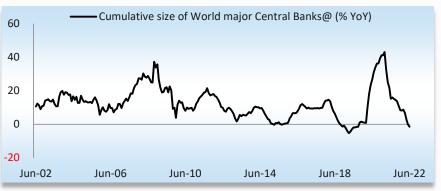


<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

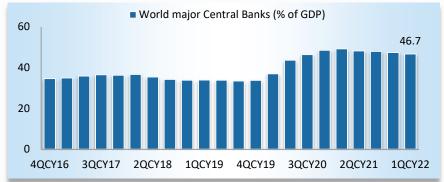
The balance sheets of central banks decline marginally in Jun'22...



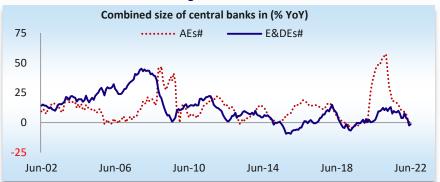
The balance sheets of central banks declined 1.4% YoY in Jun'22...



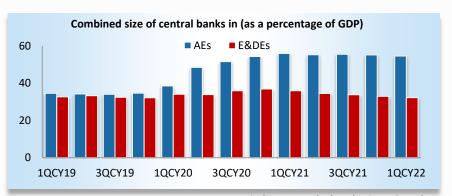
...and stood at 46.7% of GDP in 1QCY22



The decline is broad based among AEs and E&DEs



@PH data not available for Apr-Jun'22 period. BR/SKr data not available for Jun'22 # SAf data not available for Apr-Jun'22 period. BR/CA/SKr data not available for Jun'22

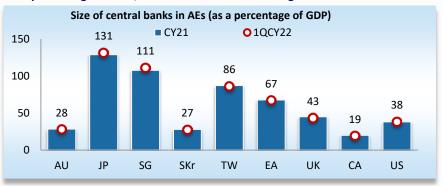


Aggregate indices are calculated using USD values Source: CEIC, various national sources, MOFSL

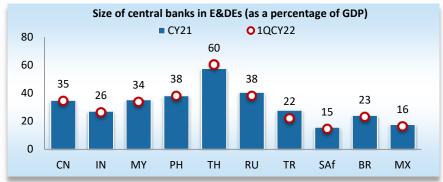
...with across the board moderation



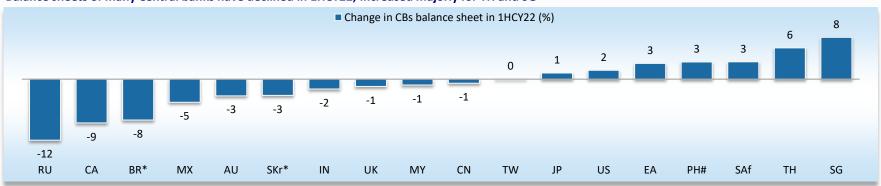
As a percentage of GDP, BoJ continues to be the largest Central Bank...



...with Bank of Thailand being the largest among the major E&DEs



Balance sheets of many Central banks have declined in 1HCY22; increased majorly for TH and SG



Aggregate indices are calculated using USD values (HK/ID excluded)

PH data not available up to Mar'22, *BR/SKr only up to May'22 Source: CEIC, various national sources, MOFSL

Money supply growth weakens sharply in Jun'22...



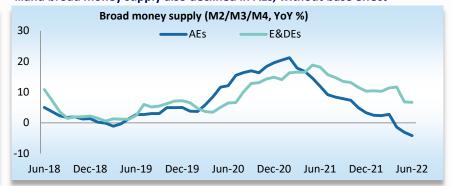
Global narrow money supply (M0) contracted in 2QCY22, though the broad money supply was almost stagnant in Jun'22



Narrow money supply has fallen faster in AEs (partly led by high base)...



...and broad money supply also declined in AEs, without base effect



SKr data not available for Jun'22; CA and BR broad money supply not available for Jun'22 *M2 (CN, RU, SKr, TW, TH, TR, US), M3 (AU, CA, EA, JP, MY, PH, SAf) and M4 (BR, IN, MX, SG, UK)

Aggregate indices are calculated using USD values (HK/ID excluded)

Source: CEIC, various national sources, MOFSL

...and growth in currency in circulation (CIC) also flattens



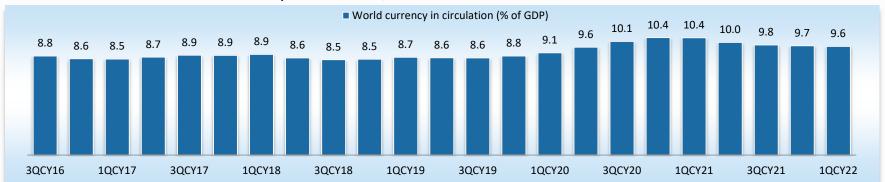
World CIC was stagnant in Jun'22...



...led by 3rd consecutive fall in AEs



Global CIC-to-GDP ratio continued to fall from its peak to 9.6% in 1QCY22



Aggregate indices are calculated using USD values (HK/ID excluded)

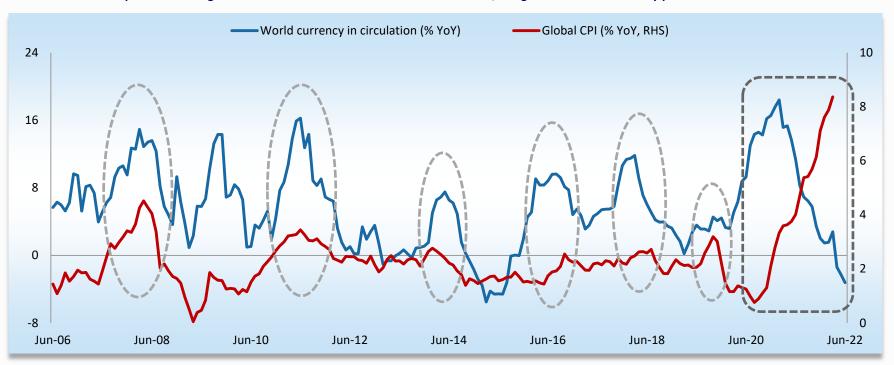
SAf data not available for Apr-Jun'22; SKr and CA data not available for Jun'22

Source: CEIC. various national sources. MOFSL

Global inflation is likely to have peaked



Historical relationship between CIC growth and inflation has eluded for some time now; but global inflation has likely peaked out now



Some EMs are yet to hike policy interest rates



	Current	CY21-end	CY19-end	Record* low	Record* peak	Last move	Headline inflation#
Brazil (BR)	13.25	9.25	4.50	2.00	26.50	(Jun'22)	11.3 (9.0)
China (CN)	3.70	3.80	4.15	3.70	7.47	(Jan'22)	1.7 (1.0)
India (IN)	4.90	4.00	5.15	4.00	9.00	(Jun'22)	6.8 (6.5)
Indonesia (ID)	3.50	3.50	5.00	3.50	17.67	(Feb'21)	3.0 (2.3)
Malaysia (MY)	2.25	1.75	3.00	1.75	5.50	1 (Jul'22)	2.5 (2.1)
Mexico (MX)	7.75	5.50	7.25	3.00	18.64	(Jun'22)	7.5 (6.9)
Philippines (PH)	3.25	2.00	4.00	2.00	15.00	1 (Jul'22)	4.4 (4.9)
Russia (RU)	8.00	8.50	6.25	4.25	45.00	(Jul'22)	14.6 (16.1)
S Africa (SAf)	5.50	3.75	6.50	3.50	13.50	1 (Jul'22)	6.3 (6.1)
Thailand (TH)	0.50	0.50	1.25	0.50	5.00	(May'20)	5.6 (1.9)
Turkey (TR)	14.00	14.00	11.25	4.50	400.27	(Nov'21)	64.6 (66.5)

*Since CY00

Figure in parenthesis is Core inflation

#Jan-Jun'22 Source: BIS, CEIC, MOFSL

AGENDA





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<u>Gross domestic product (GDP)</u> growth and its components



How much <u>debt</u> is too much?



<u>Inflation:</u> Has likely reached the peak

06

<u>Government finances:</u> Fiscal deficit has narrowed sharply in 1QCY22



<u>Monetary economics:</u> Monetary tightening is visible now



External sector vulnerabilities are coming to fore in some E&DEs



<u>Housing market:</u> Has begun losing steam

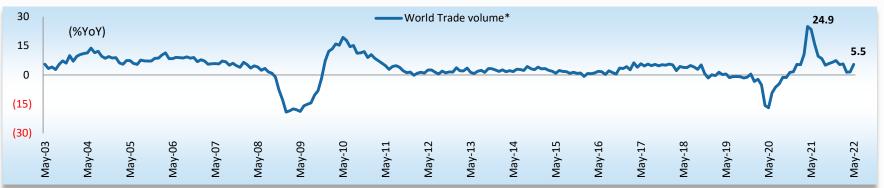


<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

Global trade growth picked up strongly in CY21; but decelerates in CY22







E&DEs exports were at five month high in May'22



From World Trade Monitor

Growth has decelerated from CY21 highs; it nevertheless remains strong

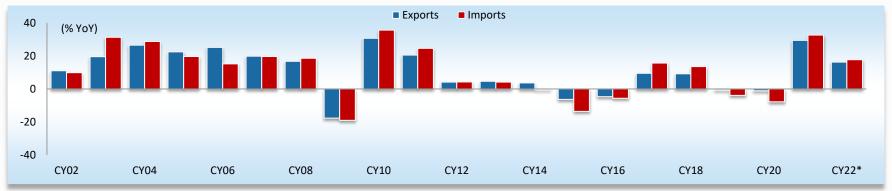


Does not include RU. Data not available for EA, the UK, CA and PH for Jun'22 Source: CPB Netherlands, CEIC, MOFSL

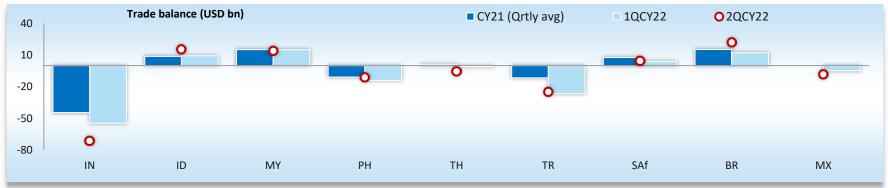
Trade by E&DEs moderates so far in CY22



Exports growth lower than import growth in E&DEs in CY22 so far...



...with CN loosing at the cost of IN, MX and others



Aggregate indices are calculated using USD values

*Jan-May'22

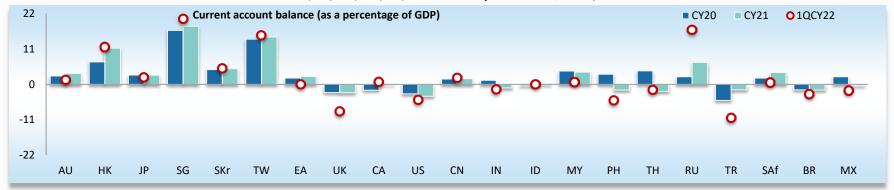
Trends in current account / trade balance vary across countries



Merchandise trade balance worsened in both AEs (except in EA) and E&DEs



The current account balance in seven economies - HK, SG, SKr, TW, CA, CN and RU improved in 1QCY22 v/s CY21



IN holds fourth-largest FXR; RU stands at a close fifth as of Jun'22



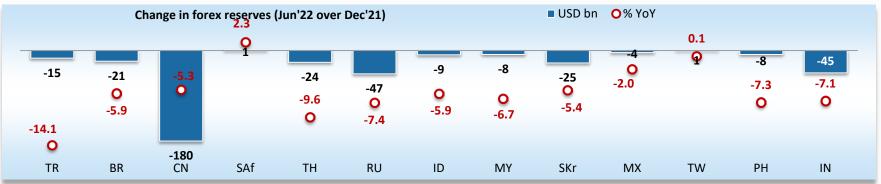
Forex reserves (Jun'22)		Forex reserves (Dec'21)		Forex reserves (Dec'19)	
CN	3,247	CN	3,427	CN	3,223
JP	1,311	JP	1,406	JP	1,324
SW*	964	SW*	858	SW*	856
IN	589	IN	634	RU	554
RU	584	RU	631	Saudi Arabia	500
TW	549	TW	548	TW	478
Saudi Arabia	466	НК	497	IN	460
НК	447	SKr	463	НК	441
SKr	438	Saudi	454	SKr	409
SG	314	BR	362	BR	357

^{*} SW= Switzerland.

External vulnerability increases across most E&DEs



All economies except SAf and TW witnessed a decline in forex reserves in Jun'22 v/s Dec'21...



...and the forex assets-to-liabilities ratio has worsened in most E&DEs in 1QCY22 except in CN



AGENDA





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External sector vulnerabilities are coming to fore in some E&DEs



Housing market: Has begun losing steam



<u>Labor market trends (for select AEs only):</u> Continue to remain very strong

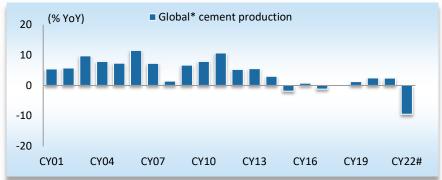
Cement production continues to contract in 2QCY22



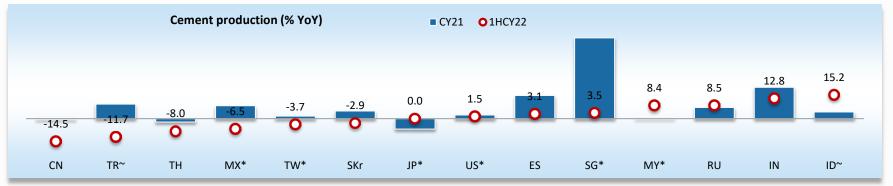




...leading to 9.5% YoY fall in Jan-May'22



Cement production varied significantly across nations in 1HCY22, with growth in RU, IN and ID being the highest



*Based on 14 countries, accounting for ~75% of global cement production (CN, IN, ID, JP, MY, SG, SKr, TW, TH, ES, RU, TR, MX, and the US)

Source: CEIC, USGS, various national sources, MOFSL

^{*} Jan-May'22; ~Jan-Mar'22

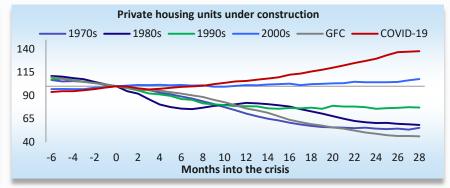
The US housing market starts weakening in 2QCY22



Housing starts have fallen sharply in the last two months...



...with housing construction almost stagnant in Jun'22 (v/s May'22)



Home sales have also fallen sharply since Mar'22...



...and median house prices, though remain high, have fallen in May-Jun'22



Starting dates for recession from NBER (1970s = Jan'73, 1980s = Jan'80, 1990s = Jul'90, 2000s = Mar'01, GFC = Dec'07, COVID-19 = Feb'20)

Source: CEIC, National Bureau of Economic Research (NBER), MOFSL

Global housing market begins to lose some steam in 2QCY22



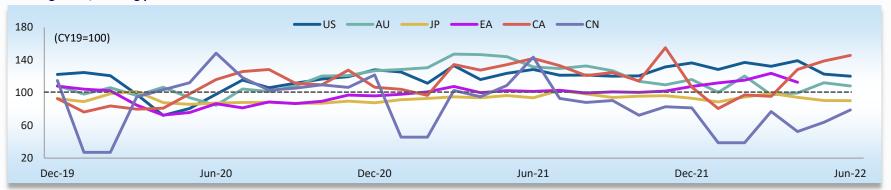
Growth in house prices have come off in recent months...



...primarily led by China (E&DEs)



Housing starts/Building permits have also started to ease



^{*}Based on 12 nations (HK, JP, SKr, ES, UK, CA, US, CN, TW, TH, SAf, and BR)

AGENDA





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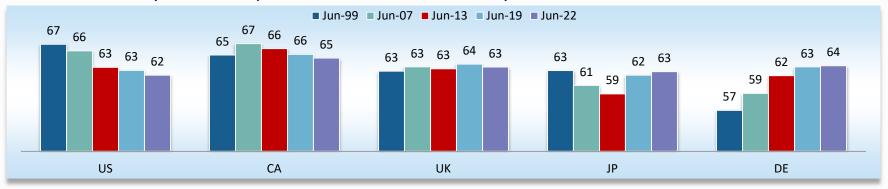


<u>Labor market trends (for select AEs only):</u>
Continue to remain very strong

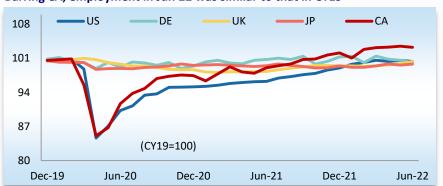
Labor markets different across major AEs



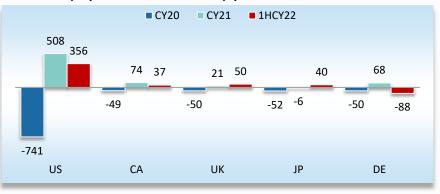
LFPR has fallen consistently in the US for the past two decades and it has risen consistently in DE



Barring CA, employment in Jun'22 was similar to that in CY19



German employment has declined sharply in 1HCY22

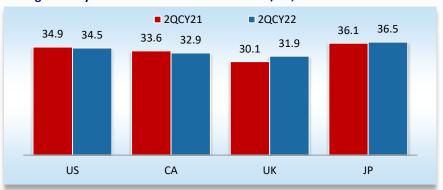


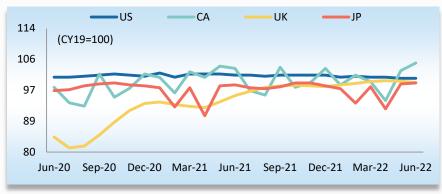
^{*} Data up to Jun'22

Weekly hours worked moderates in the US and CA in 2QCY22



Average weekly hours worked reduced in the US/CA, while it increased in JP and the UK





Regular employees account for 87-94% of the workforce in these AEs...



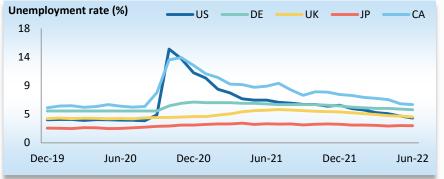
...and self-employed were adversely in 1HCY22 in the US/CA



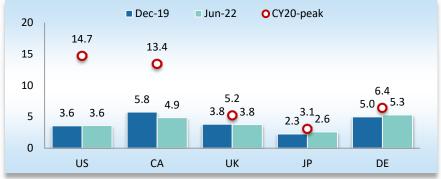
Unemployment rate low but real wages declining



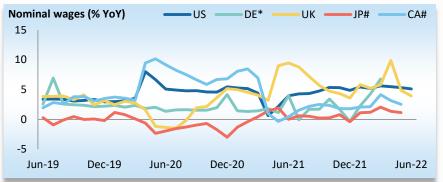
The unemployment rate has narrowed substantially everywhere...



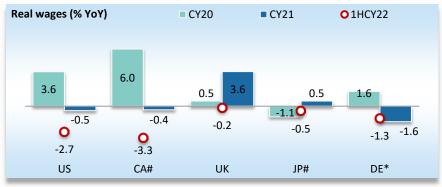
...with the unemployment rate in Dec'21 similar to that in Dec'19 levels



Although nominal wages are growing everywhere...



...real wages are declining because of higher inflation



Data available up to May'22

* Data up to Mar'22

...and job vacancies remain exceptionally high in all AEs, except JP



The Labor market in the US/UK/AU was much tighter than in EA nations/JP



Source: CEIC, various national sources, MOFSL

Job openings in the US; Job vacancies in the UK, FR and DE; Number of jobs advertised in JP; and Job advertisements in newspapers and on the internet in AU

NOTES

Explanation of Investment Rating				
Investment Rating	Expected return (over 12-month)			
BUY	>=15%			
SELL	< - 10%			
NEUTRAL	> - 10 % to 15%			
UNDER REVIEW	Rating may undergo a change			
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation			

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

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