

# Q1 2023 GLOBAL CURRENCY & MACROECONOMIC HIGHLIGHTS

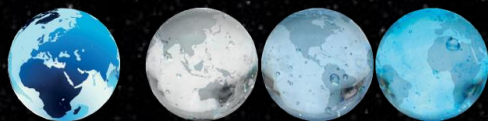
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## Economic Views

- US inflation is set to fall in the first quarter, mainly driven by supply side factors (energy and core goods) but then by shelter prices
- There are clear signs that monetary tightening is impacting the economy. Although US growth should slow via the investment channel, the consumer should help the US economy avoid recession as falling inflation becomes a windfall to purchasing power
- We see a change in the Fed's reaction function as being important; a forward looking approach allows them to react to disinflation in shelter prices and accept that wages will be the last price to slow
- Meanwhile wider central banks are likely to finish their hiking cycles faced with sufficient evidence that growth is weakening and inflation is peaking. We see the BoE and ECB lagging behind the rest due to tight labour markets and a slow start
- The euro area is likely in a mild recession with growth likely to slow further from here. However unexpected warm weather has almost eliminated the likelihood of output cuts this winter and even reduced the expected rise in gas prices in Q2 next year, with the risk to prices actually *lower* from here as weather normalises
- China reopening should be relatively gradual and therefore limit any uplift to global energy demand from industrial usage. We expect more policy support to be announced to support a growth target of 5% next year

## FX Views

- Correlations show that we are in a "top-down" environment where global inflation is still the primary driver of equity, bond and currency markets
- We acknowledge that the US bond market has somewhat front-run our economic view of falling inflation, but still see scope for US yields to fall further
- This leaves us negative on the **USD** helped by improving sentiment: inflation falling, China reopening and the likelihood of another terms of trade shock receding
- We favour the **JPY** and **EUR** as they have valuation support and benefit from stable-to-lower commodity prices. The euro should be supported by a hawkish ECB which has some scope to "catch-up". This could also see **CHF** weaken (versus the euro) as gas prices move lower
- We are more cautious on equity-linked currencies, **AUD** and **GBP**, given medium term US recession risks and dovish risks around domestic interest rate pricing
- We are negative **CAD**, given an earlier end to the hiking cycle from the BoC and lack of support from commodity prices
- In EM, we are positive **CNH** as China reopening suggests a more reflationary environment going forward and neutral on **BRL** as the attractive carry offsets domestic fiscal and recession risks

Source: MGI Economics, all view are as of 16 December 2022



## Key currency views

### USD (-)

The dollar should weaken helped by lower yields and improving sentiment: inflation falling, China reopening and the likelihood of another commodity terms of trade shock receding

### CAD (-)

Stable-to-lower commodity prices unhelpful given weak growth prospects and an end in the hiking cycle

### BRL (0)

We see BRL suffering from fiscal uncertainty and recession. However, very restrictive monetary policy should support the currency

### EUR (+)

Well placed to benefit from a weaker dollar: EUR has valuation support, should be helped by lower commodity prices and an ECB which needs to raise rates further

### GBP (0)

Better risk environment should be supportive near term, but less so medium term as US growth slows. The UK cyclical and structural backdrop is still poor with downside risks to BoE rate pricing

### CHF (0)

See a dovish SNB going forward but scope for EURCHF to move higher as gas prices fall and relative monetary stance vs ECB

### JPY (+)

Still cheap with good risk-reward given the outlook for US inflation and downside growth risks

### CNH (+)

Quite simply, domestic reopening is reflationary while limiting a drag from the services balance

### AUD (0)

Equity environment mixed in the medium term coupled with dovish risks around the RBA

All views vs USD. Source: MGI Economics, 15 December 2022

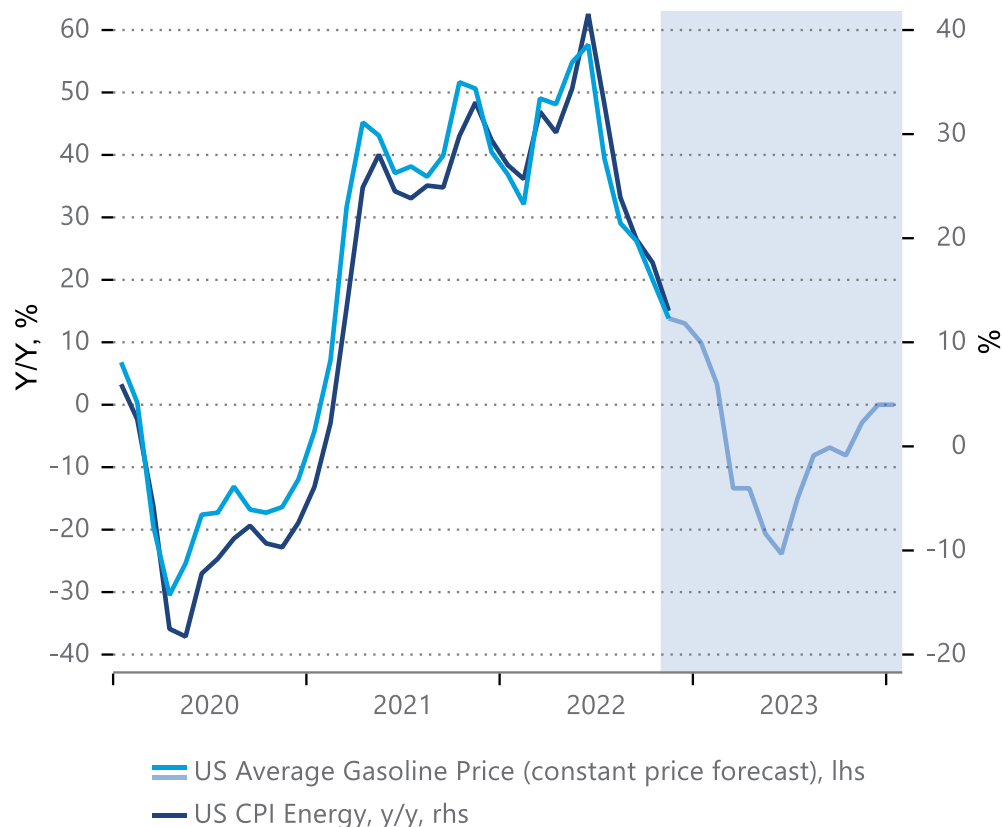


# Economic Outlook



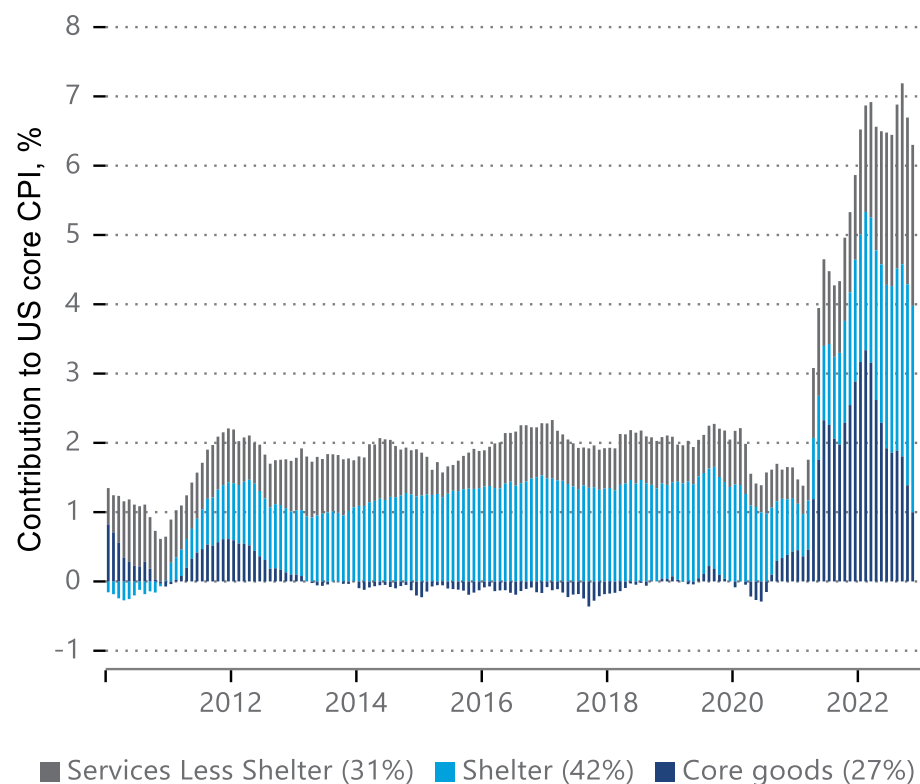
# US core inflation crucial to Federal Reserve rate path

## In Q1, energy will turn to drag on inflation



Source: Macrobond, MGI Economics, 15 December 2022

## Driver of core inflation now services and shelter

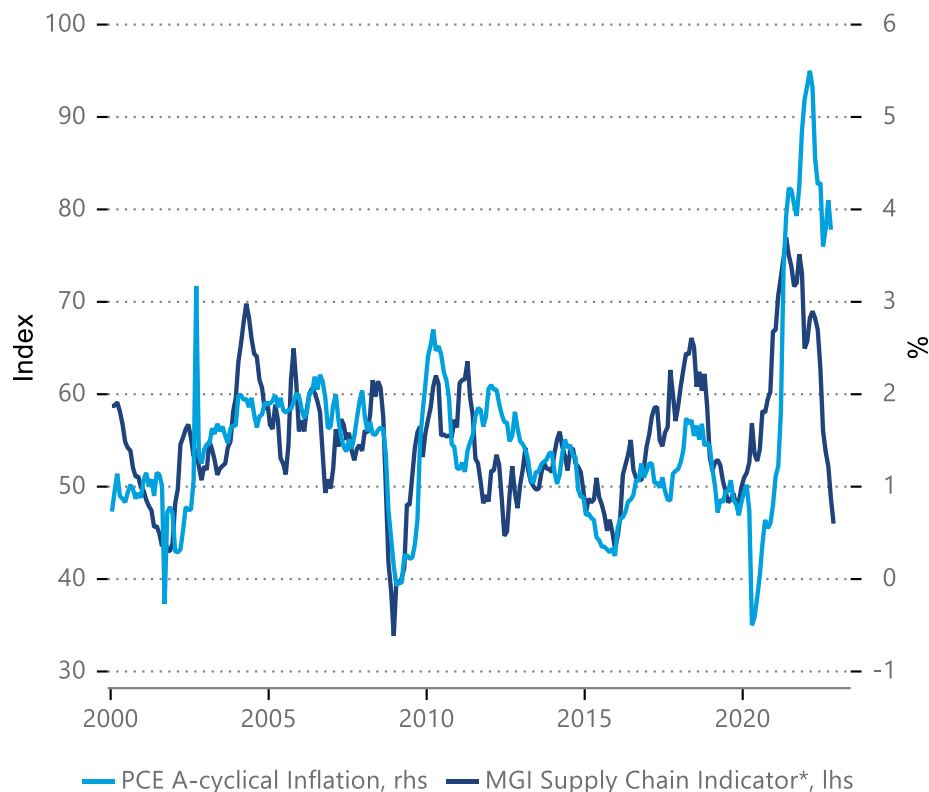


Source: Macrobond, MGI Economics, 15 December 2022



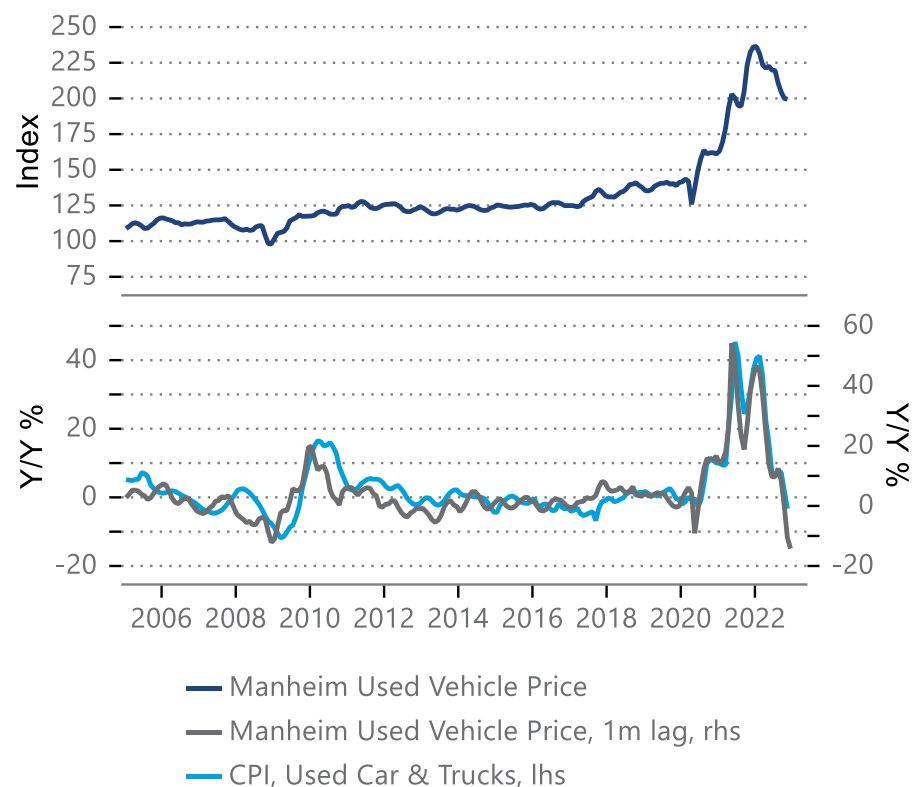
# Ingredients for disinflation are here: Core goods

## Supply chains have broadly normalised



Source: Macrobond, MGI Economics, 15 December 2022

## Disinflation in the pipeline for autos



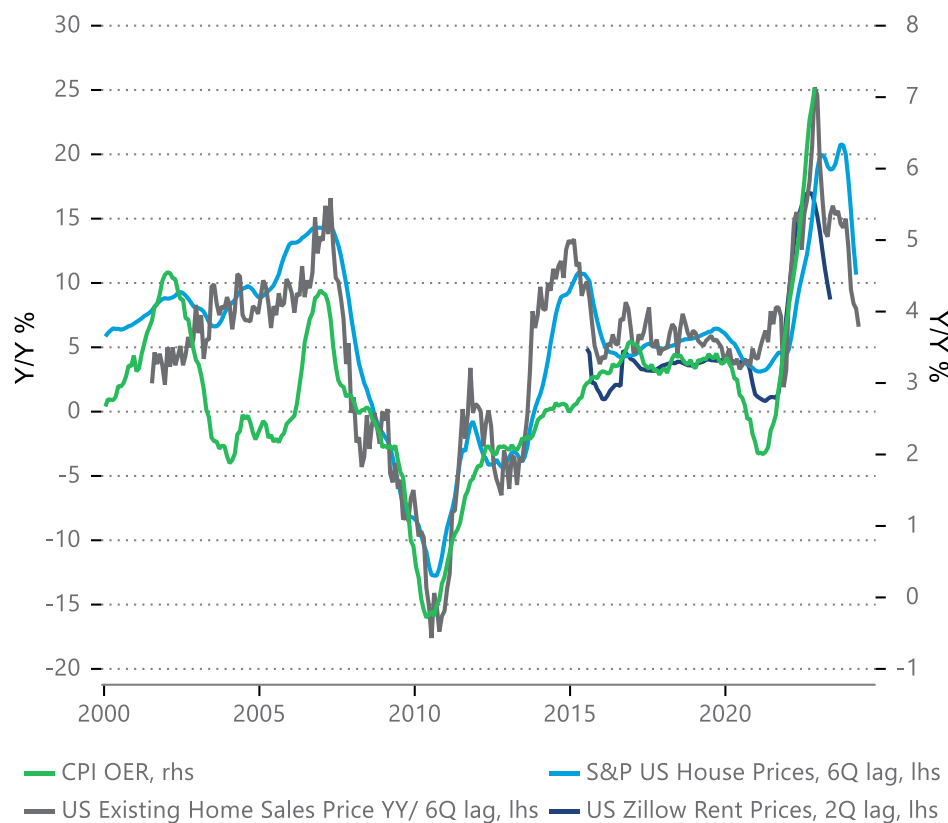
Source: Macrobond, MGI Economics, 15 December 2022





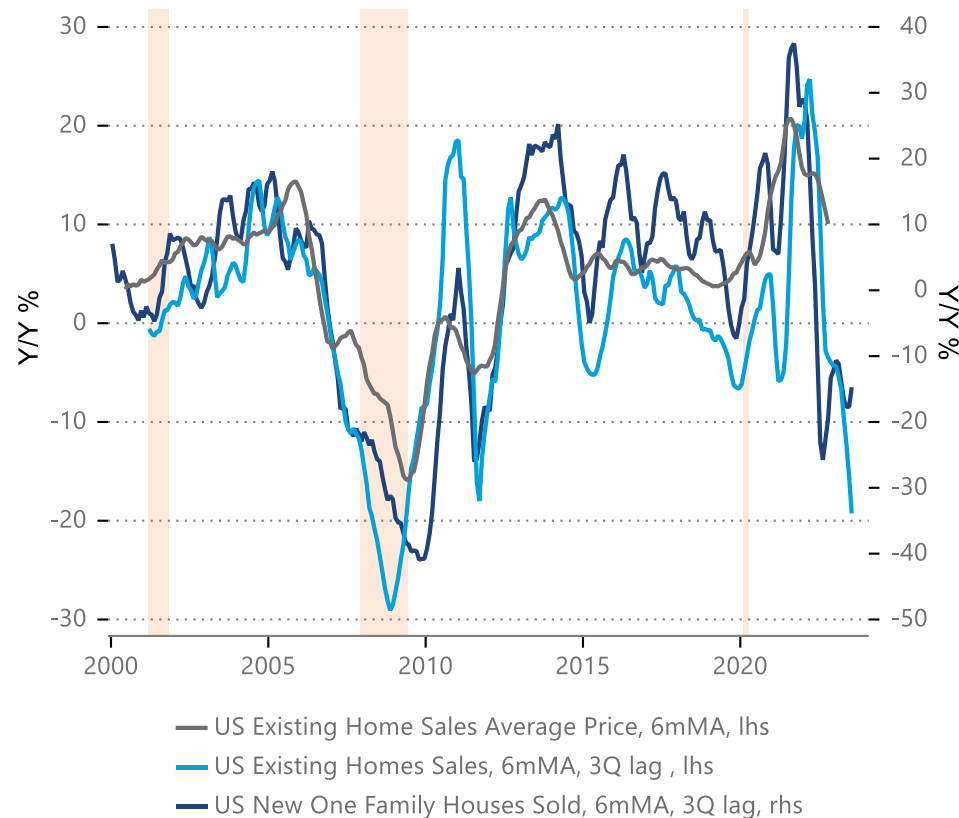
# Ingredients for disinflation are here: Shelter

## New lease inflation now slowing sharply



Source: Macrobond, MGI Economics, 15 December 2022

## Activity suggests more to come



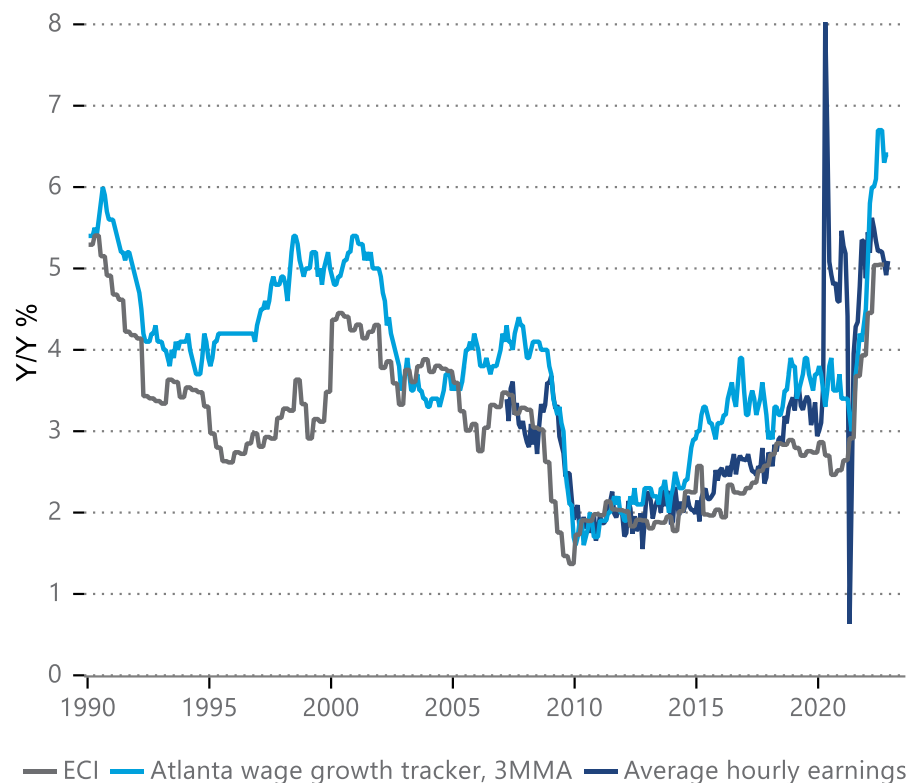
Source: Macrobond, MGI Economics, 15 December 2022





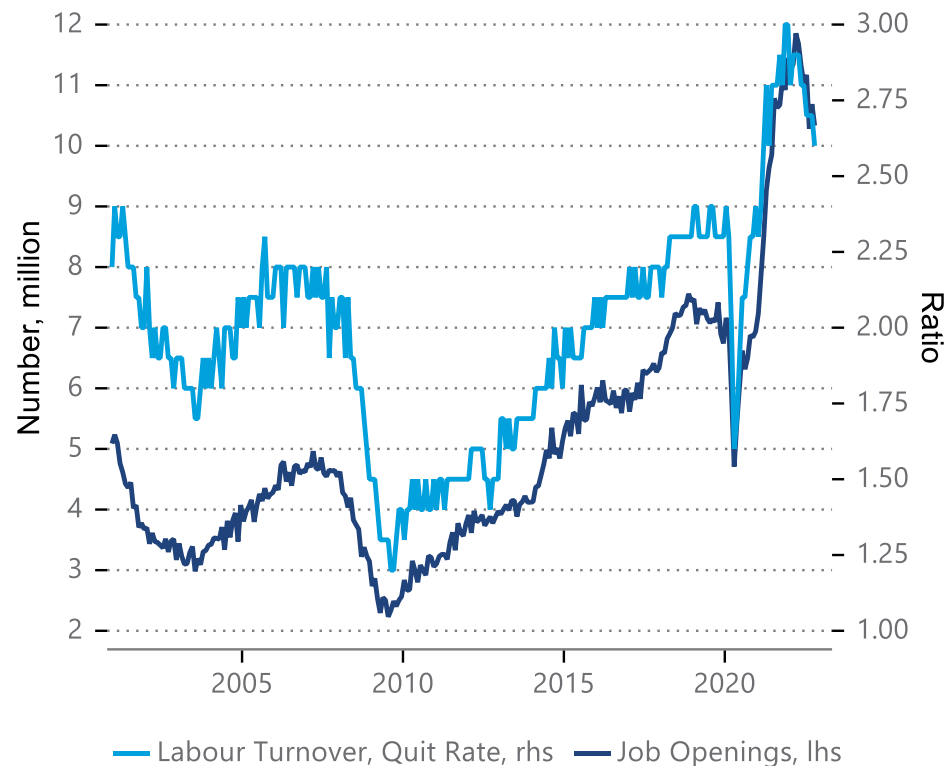
# Ingredients for disinflation are here: Non-shelter services

## Current wage growth still too high for 2% inflation



Source: Macrobond, MGI Economics, 15 December 2022

## But some surveys show turning at margin

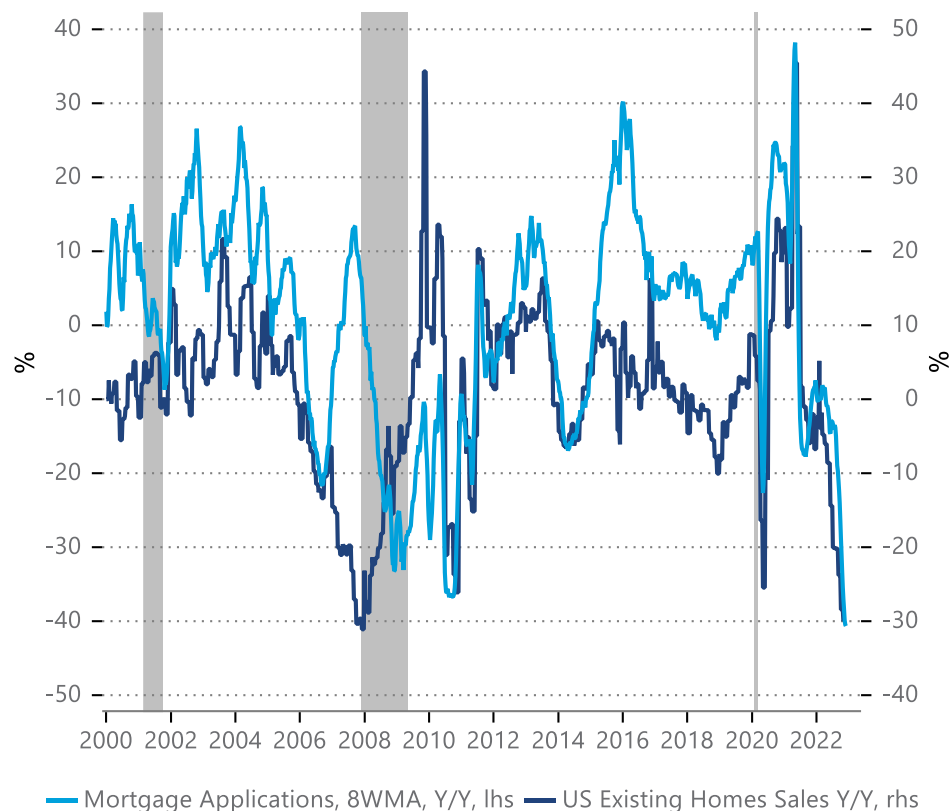


Source: Macrobond, MGI Economics, 15 December 2022



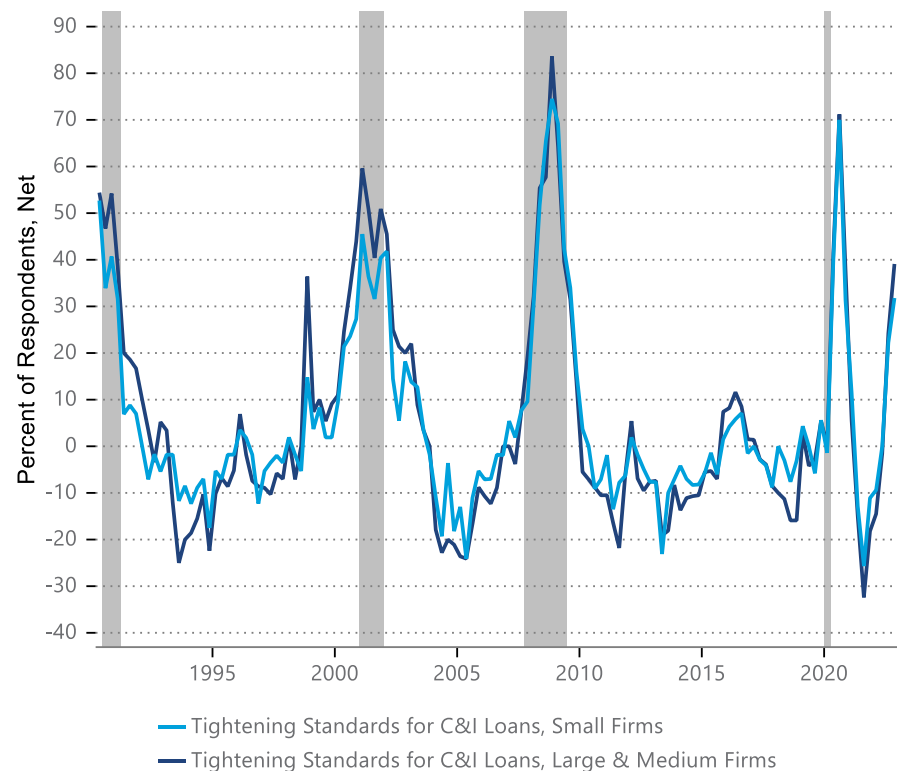
# There are clear signs that tightening is hitting the economy

## Housing activity weakens



Source: Macrobond, MGI Economics, 15 December 2022

## Credit conditions tighten for firms

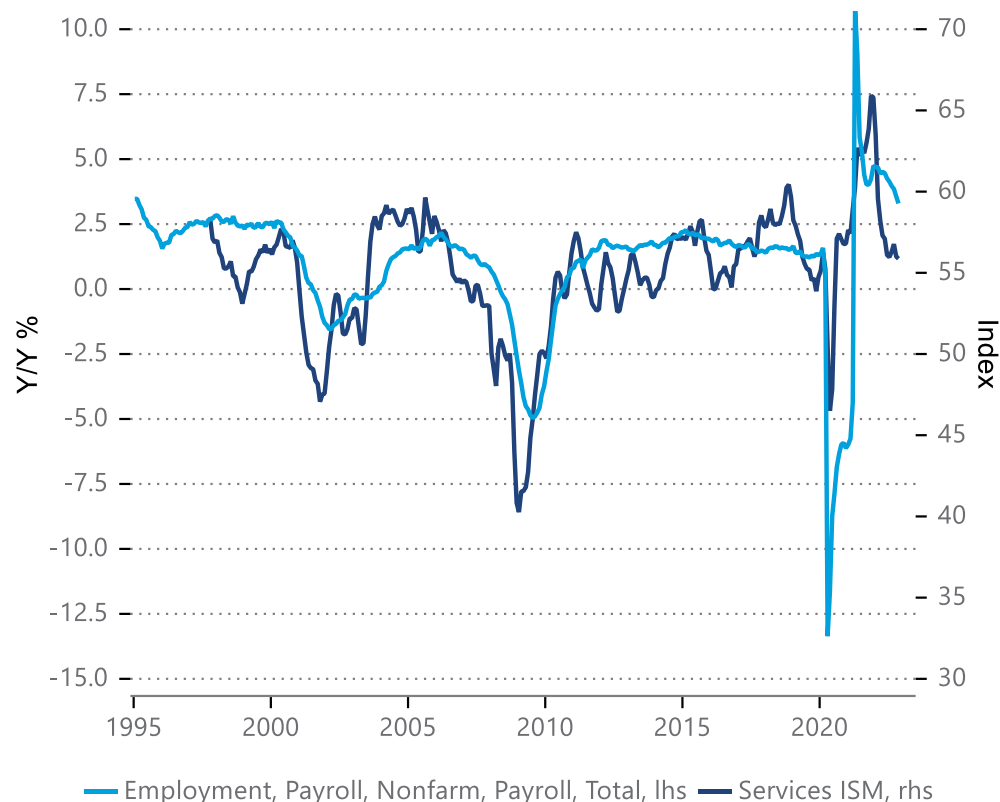


Source: Macrobond, MGI Economics, 15 December 2022



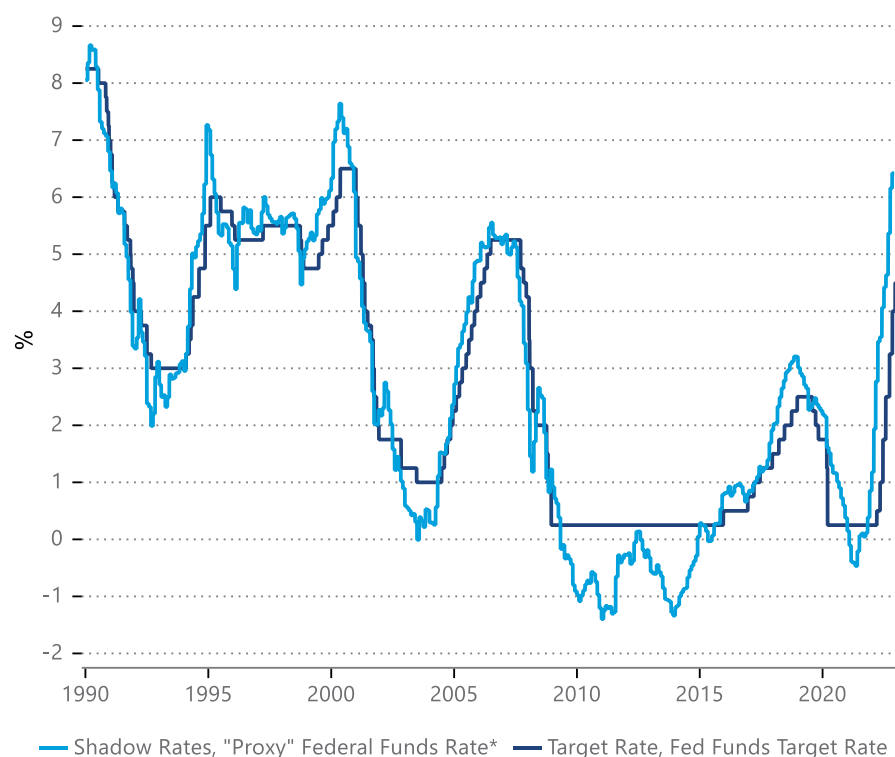
# Federal Reserve makes important shift to forecast driven policy making

## Labour market a lagging indicator of activity



Source: Macrobond, MGI Economics, 15 December 2022

## Fed funds not only policy tool this time around



Source: Macrobond, MGI Economics, 15 December 2022

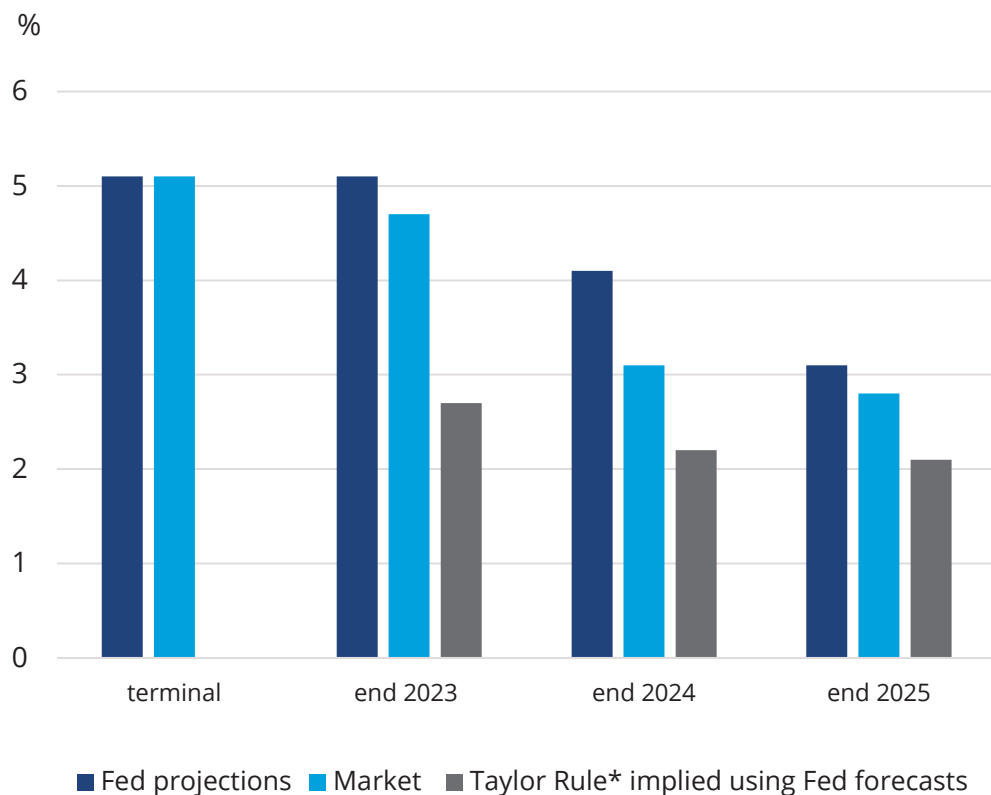
\*The proxy rate indicates federal funds rate typically associated with prevailing financial market conditions if these conditions were driven solely by the funds rate



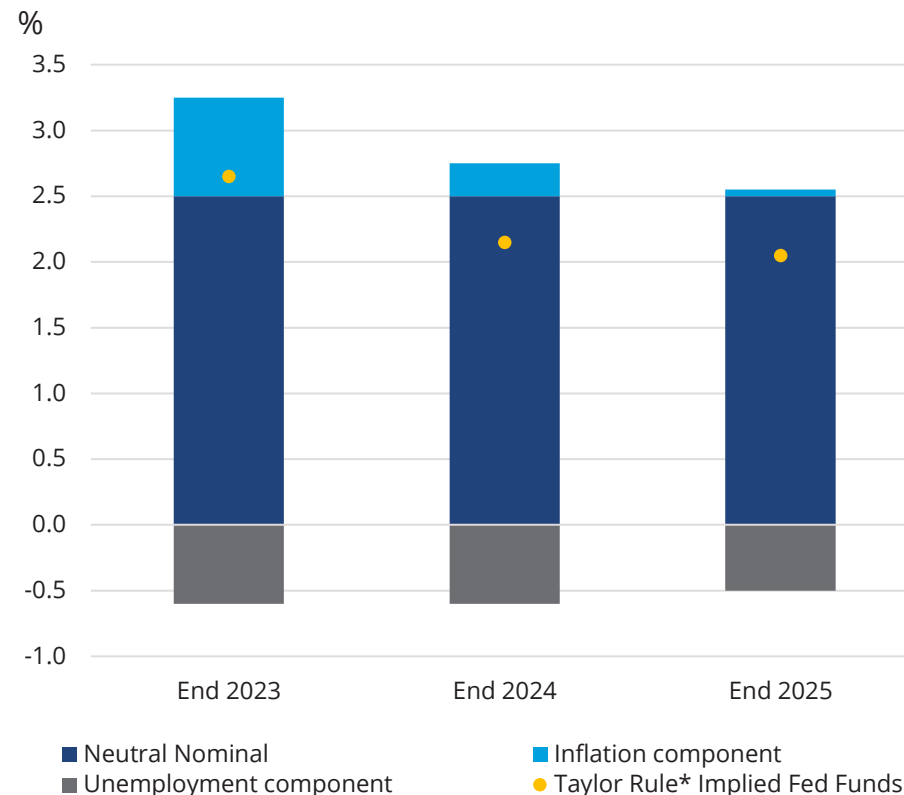


## This implies Fed rhetoric not to be taken at face value

Fed's own forecasts imply a deeper cutting cycle vs market



Breakdown of Taylor Rule based on Fed's outlook



Source: Macrobond, Bloomberg, Federal Reserve, MGI Economics, 15 December 22

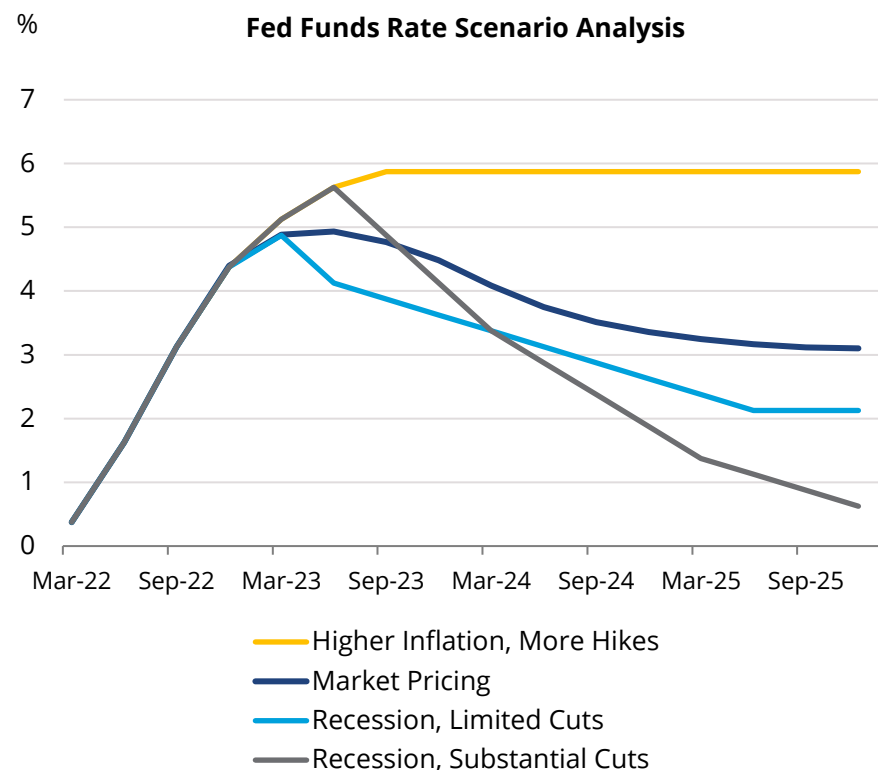
Source: Federal Reserve, MGI Economics, 15 December 22

\*Taylor Rule takes Fed projections, coefficient of 1 on unemployment and 0.5 to core PCE



# Driver of lower rates important for equities and wider risk markets

## Pricing out of higher inflation scenario good for equity



The above is stylised rate outlook under different scenarios.  
Source: Goldman Sachs, MGI Economics, 11 December 2022

## But medium term growth risks are negative

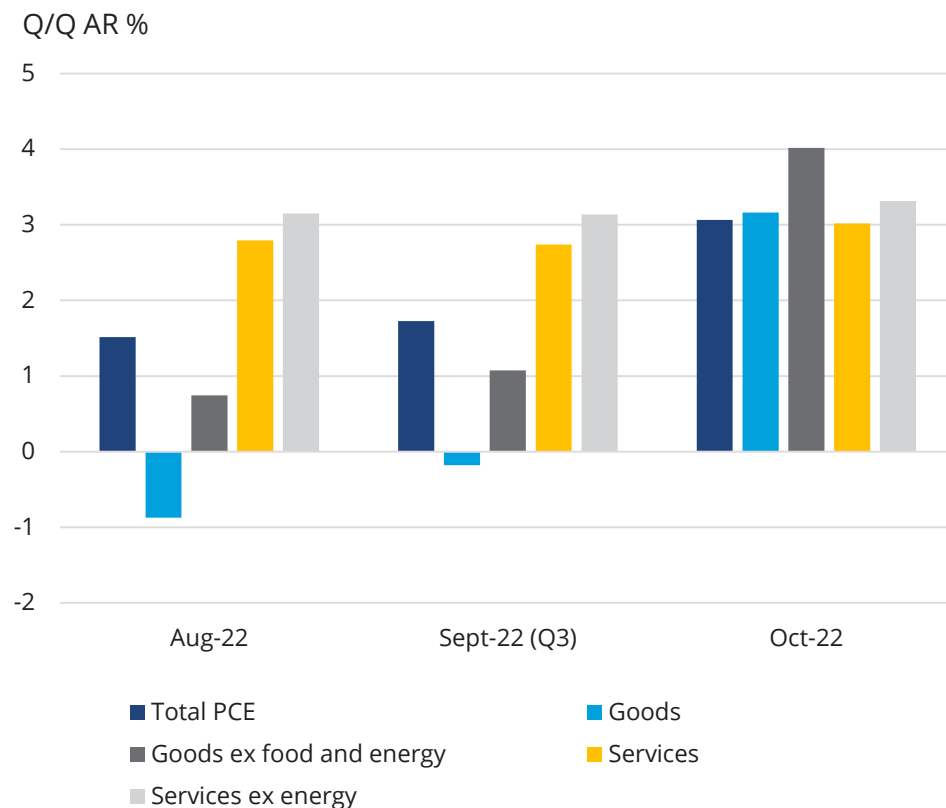


Source: Bloomberg, MGI Economics, 15 December 2022



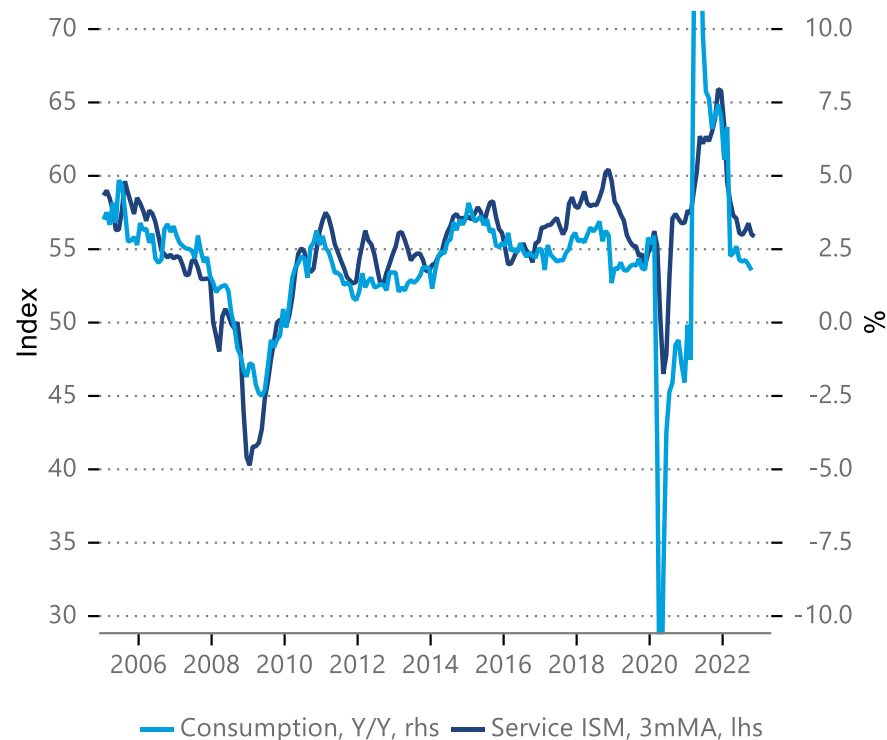
# Surveys suggest consumption still has momentum

## Consumption growth improved in October



Source: Bloomberg, MGI Economics, 15 December 2022

## Surveys suggests momentum holding up



Source: Macrobond, MGI Economics, 15 December 2022

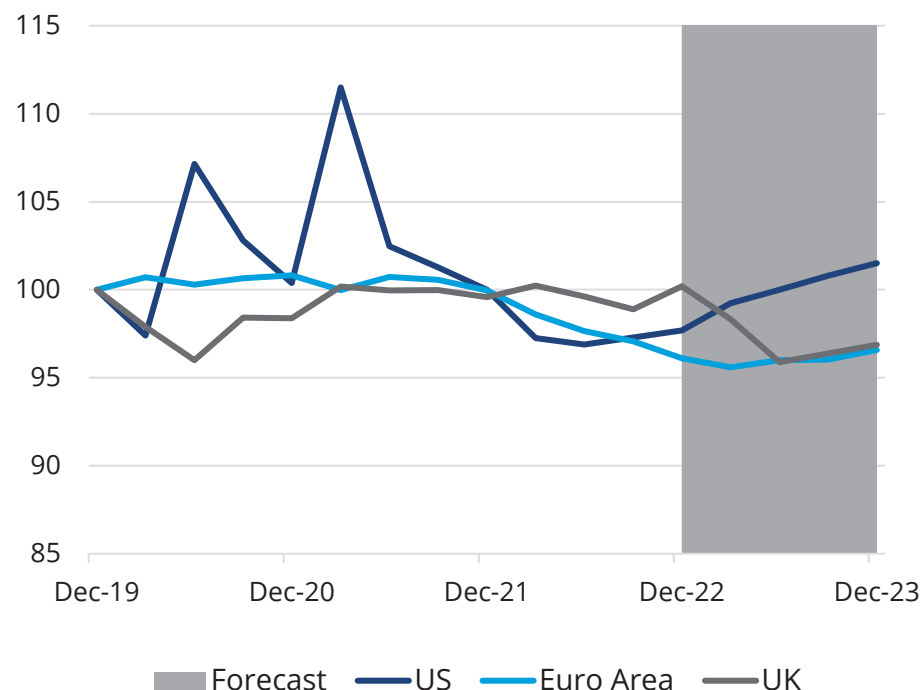




# Households facing cross-currents but inflation major tailwind

## Inflation a tailwind for consumer income

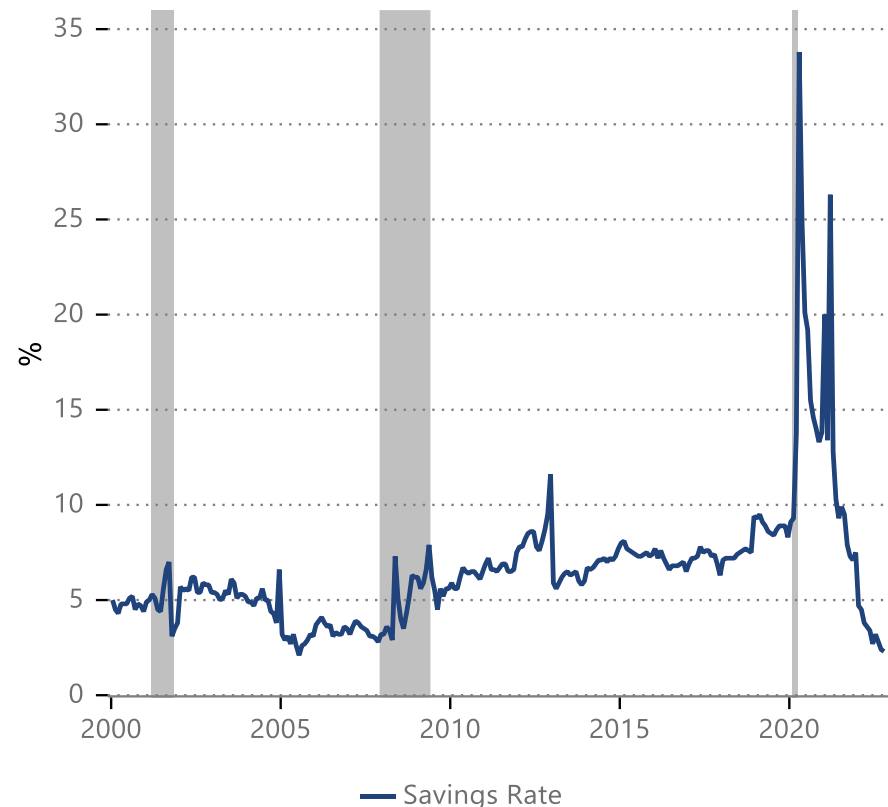
Real Disposable Income  
100 = Q4 2019



GS Forecast

Source: Goldman Sachs, MGI Economics, 15 December 2022

## Savings rates close to record lows, with stock uneven

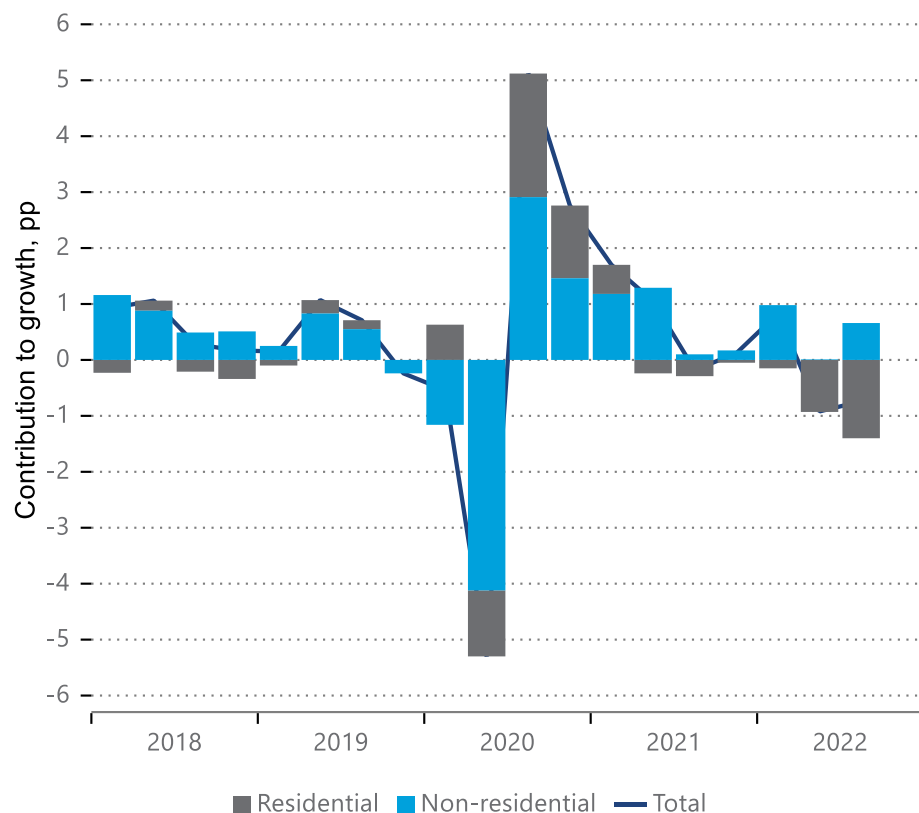


Source: Morgan Stanley, MGI Economics, 15 December 2022.



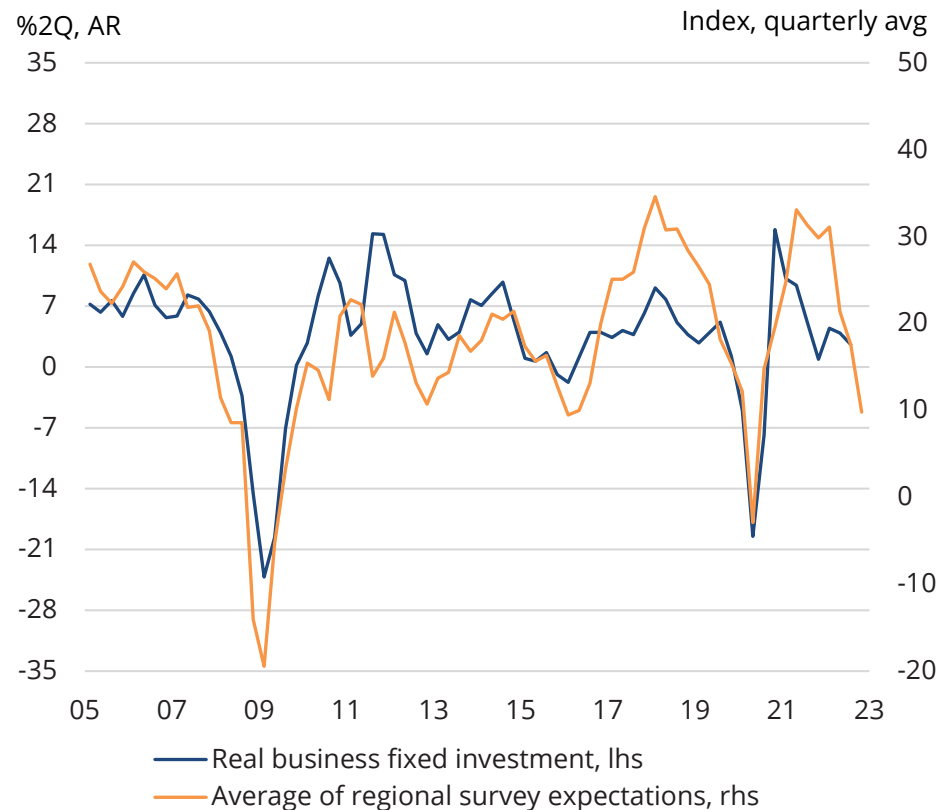
# Meanwhile investment likely to slow

## Residential investment likely to drag on growth further



Source: Macrobond, MGI Economics, 15 December 2022

## Business capex intentions fall

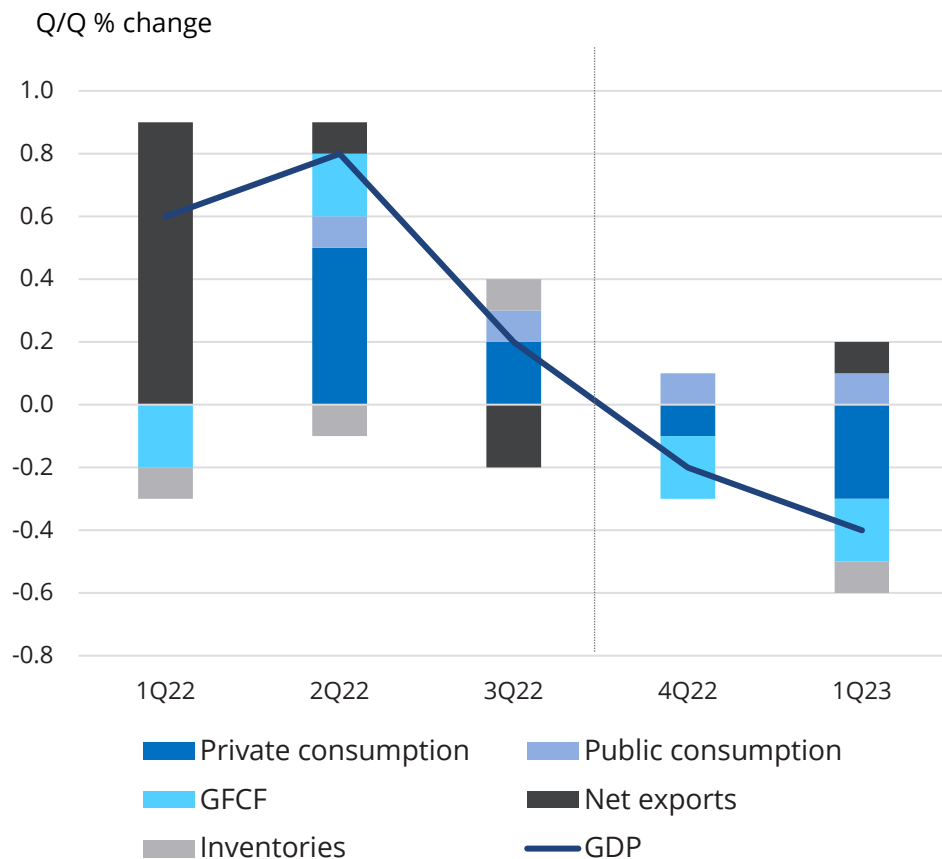


Source: JPM, Various Fed Branches, 15 December 2022.



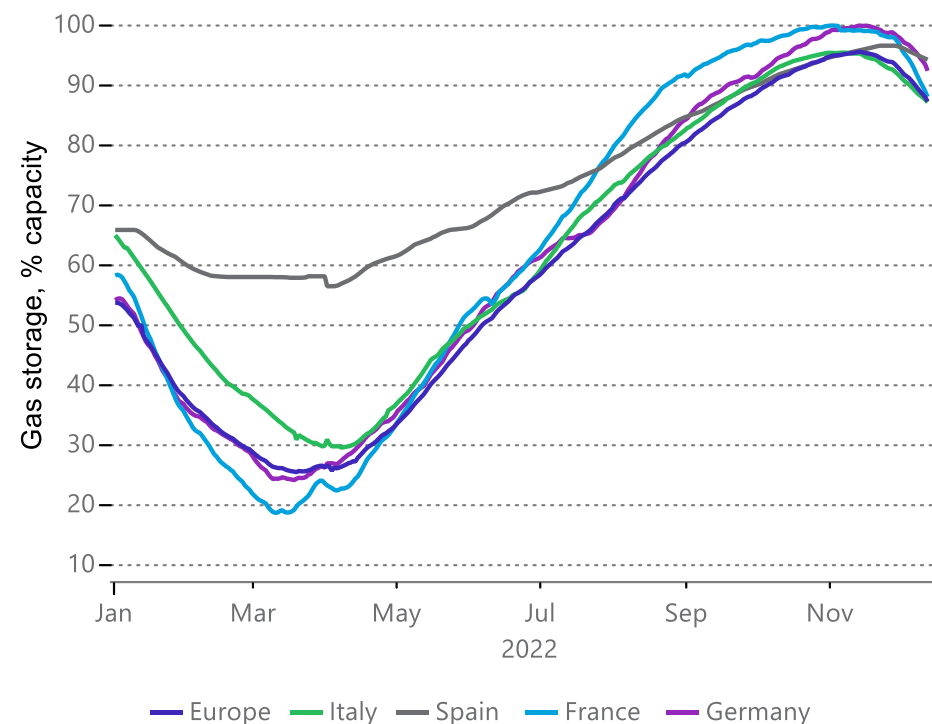
# Recession likely too mild for ECB to stop hiking

## Domestic demand likely to slow from here



Source: Morgan Stanley, MGI Economics, 13 December 2022

## Exceptionally warm weather slows gas storage draw-down



Source: Macrobond, MGI Economics, 13 December 2022

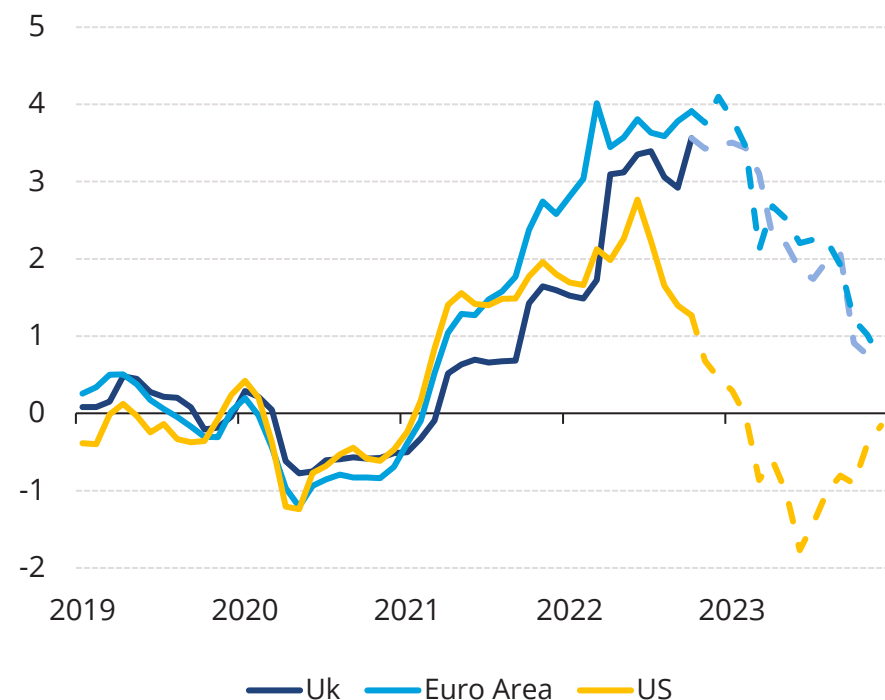




# European disinflation likely to lag the United States

## Energy likely to keep inflation

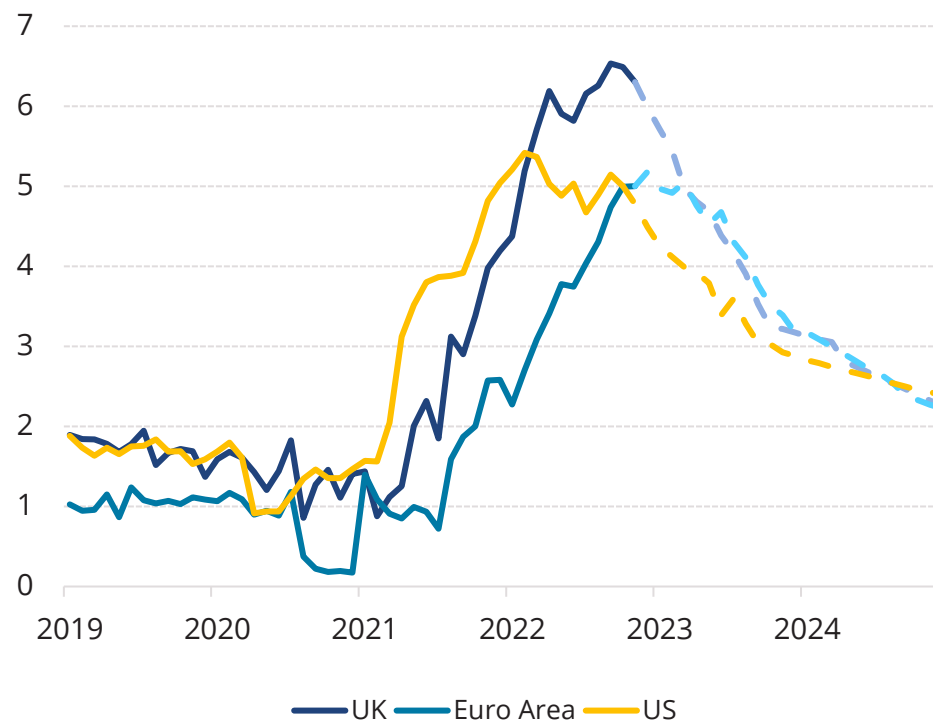
Energy contribution to headline inflation (pp)



Dashed line is Goldman Sachs forecast.  
Source: Goldman Sachs, MGI Economics, 14 December 2022

## Falling headline inflation a tailwind for the US consumer

Core inflation, y/y%



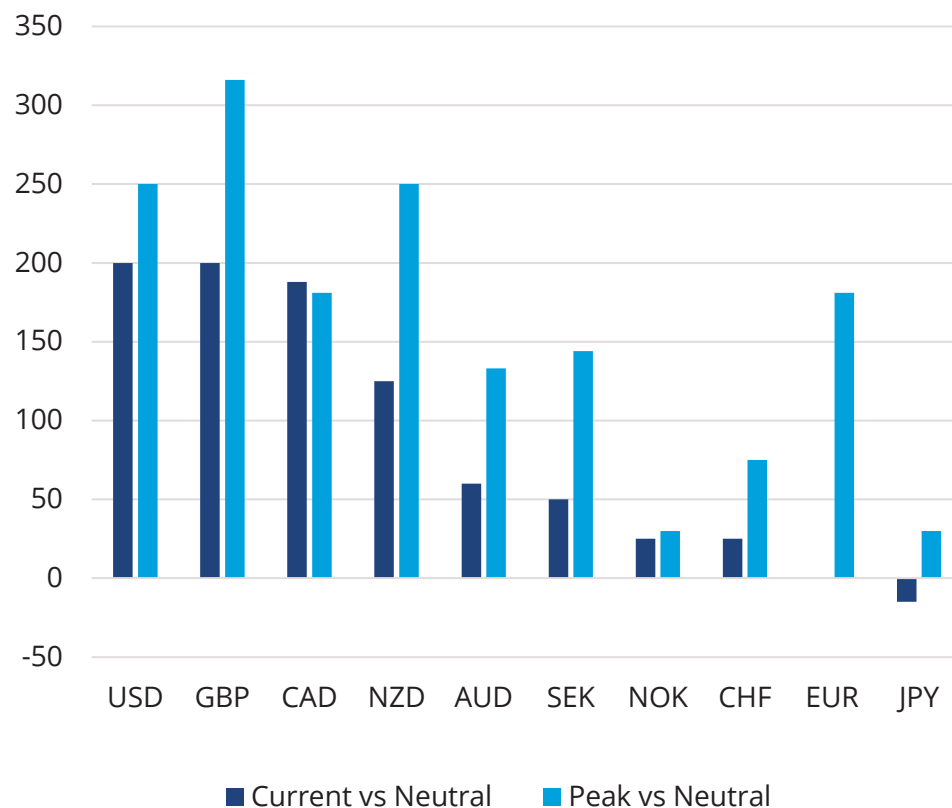
Dashed line is Goldman Sachs forecast.  
Source: Goldman Sachs, MGI Economics, 14 December 2022



## ECB still has some catching up to do

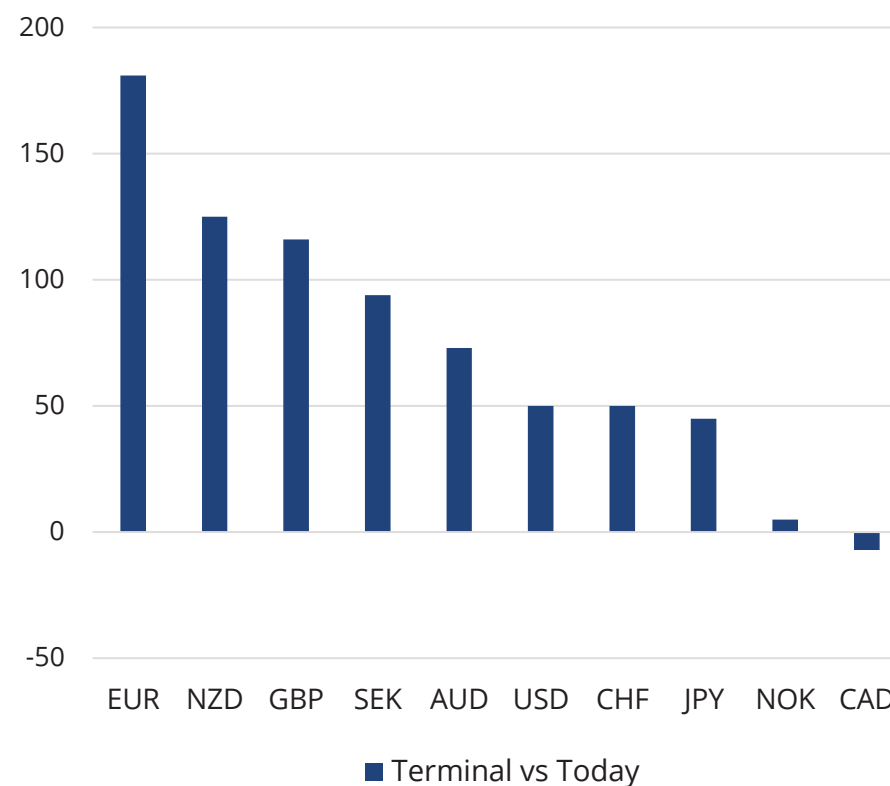
### ECB only just reaches neutral

Policy rate, bps



### Europe likely to be hawkish for longer

Hikes expected, bps



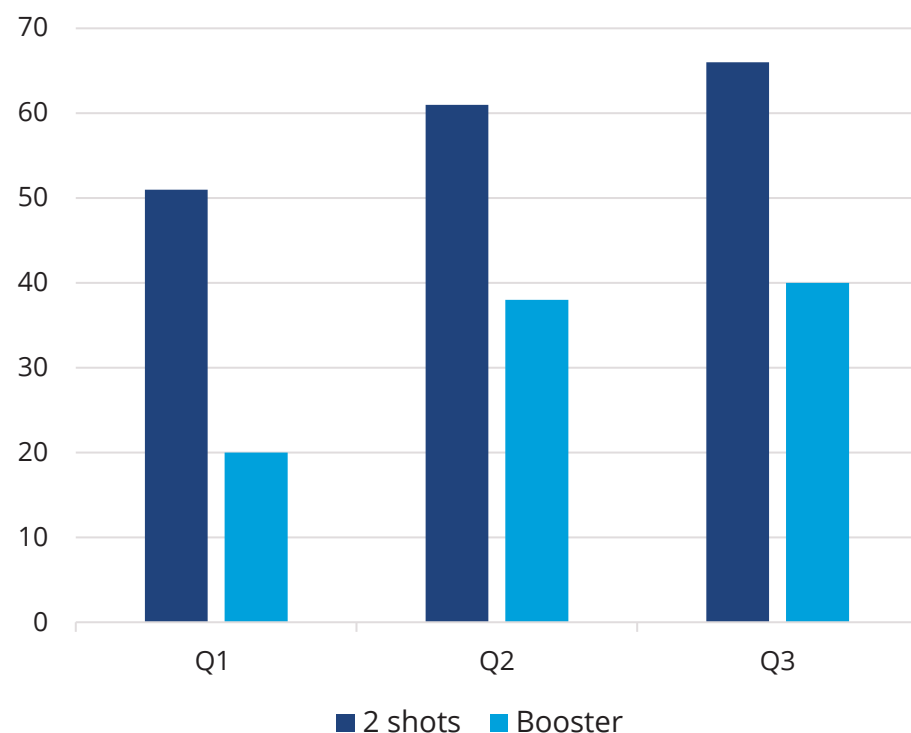
Today, as of 15 December 2022. Source: Bloomberg, Goldman Sachs (estimate of neutral rate), MGI Economics, 15 December 2022



# China prepares to reopen but fundamentals point to speed limit

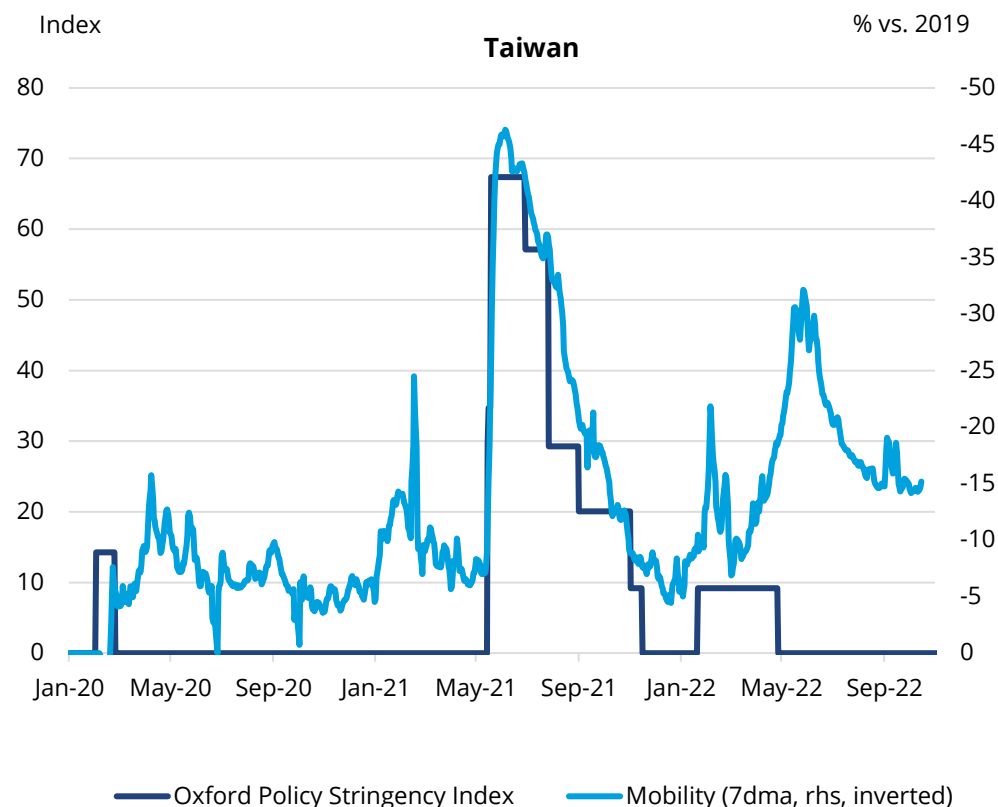
## Elderly vaccination rate is still low

Over 80 years old, %



Source: UBS, MGI Economics, 9 December 2022

## Comparators show exit wave and mobility decline



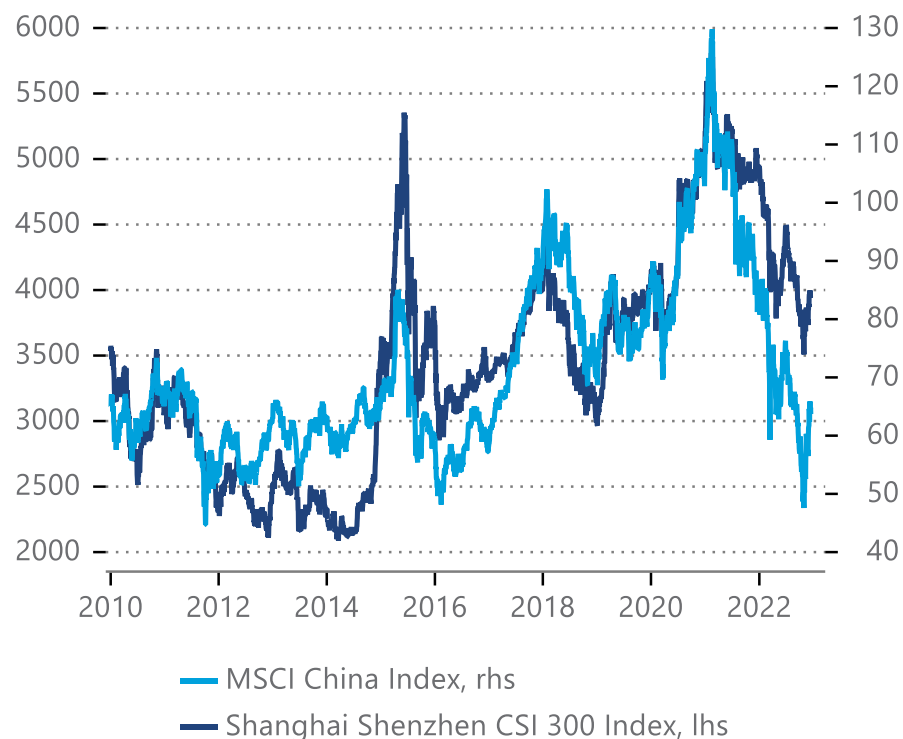
Source: Goldman Sachs, MGI Economics, 11 December 2022





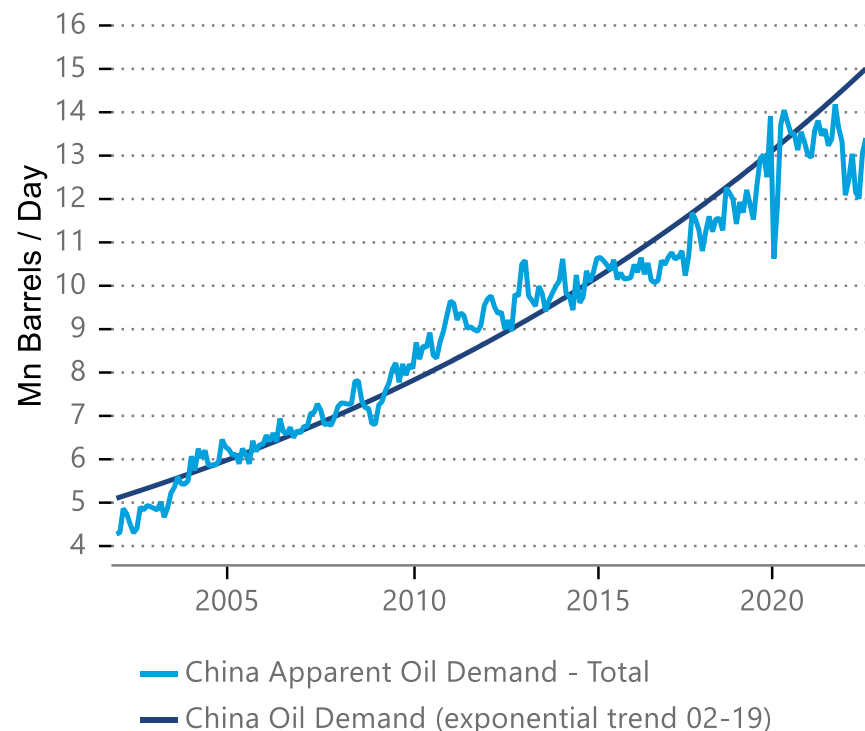
# Gradualism boosts sentiment more than energy demand

## Chinese equities have risen but still at low levels



Source: Bloomberg, Macrobond, MGI Economics, 9 December 22

## China oil demand is 2mb/d lower than pre-covid trend

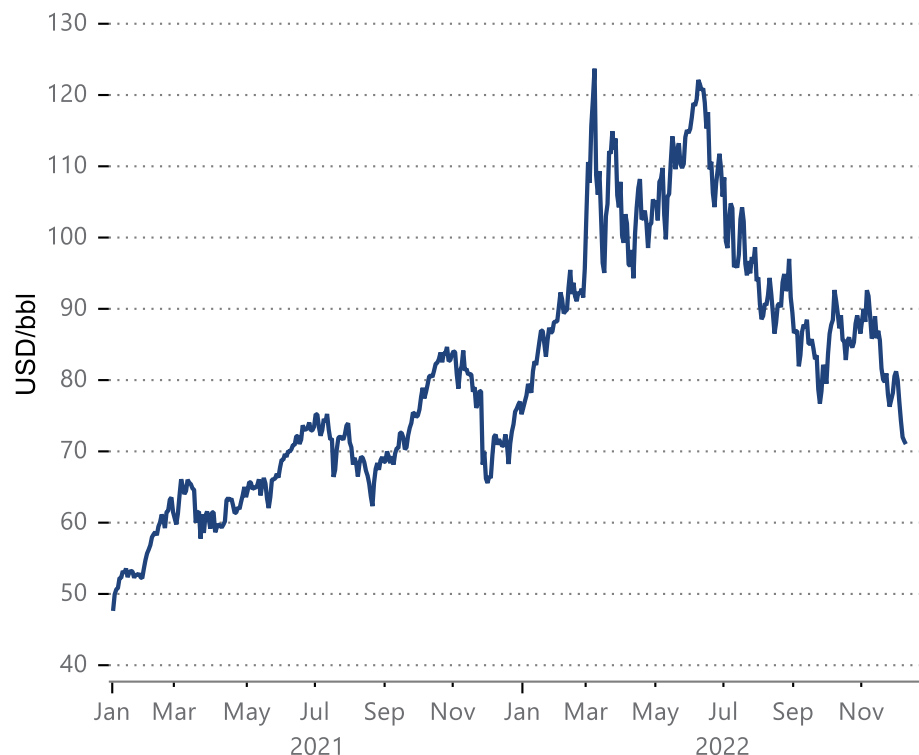


Source: Macrobond, Morgan Stanley, MGI Economics, 9 December 22



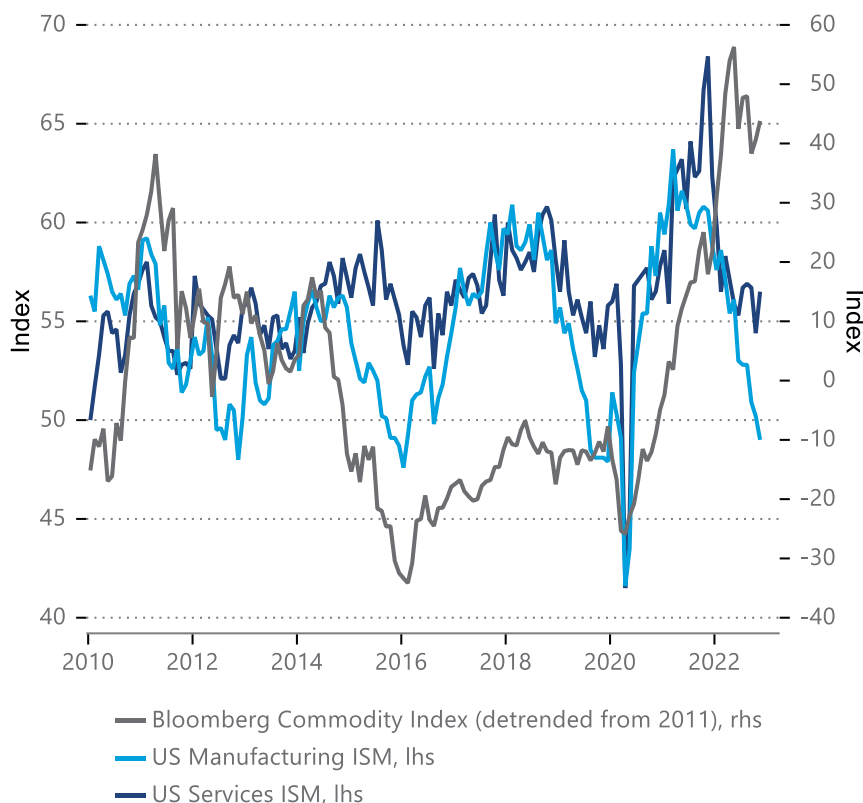
# Leaving oil prices likely stable to lower

## Oil prices have fallen in face of supply concerns



Source: Bloomberg, Macrobond, MGI Economics, 9 December 2022

## Global demand a headwind to commodity prices



Source: Bloomberg, Macrobond, MGI Economics, 9 December 2022

# CURRENCY VIEWS

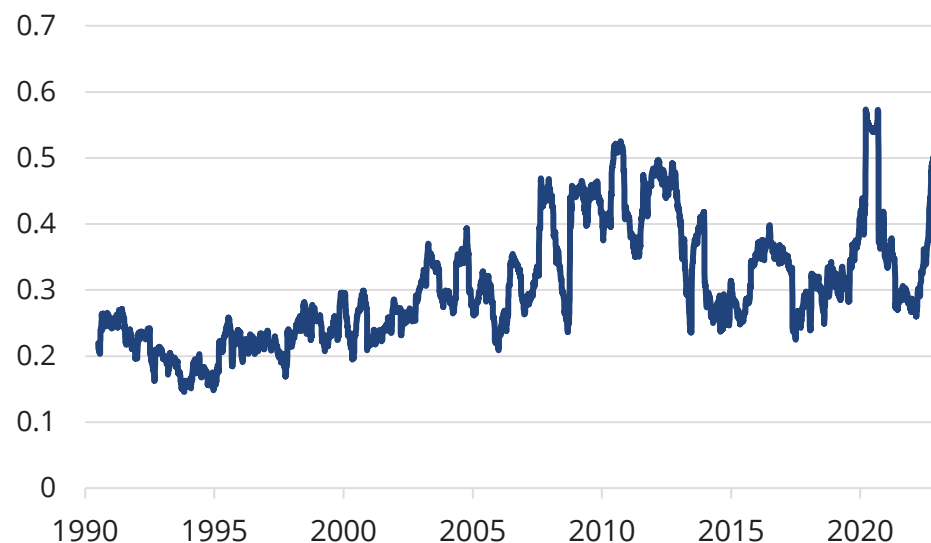




## USD (-) Inflation is still dominant theme in a top-down market

### We are in a risk on/ risk off (RORO) world

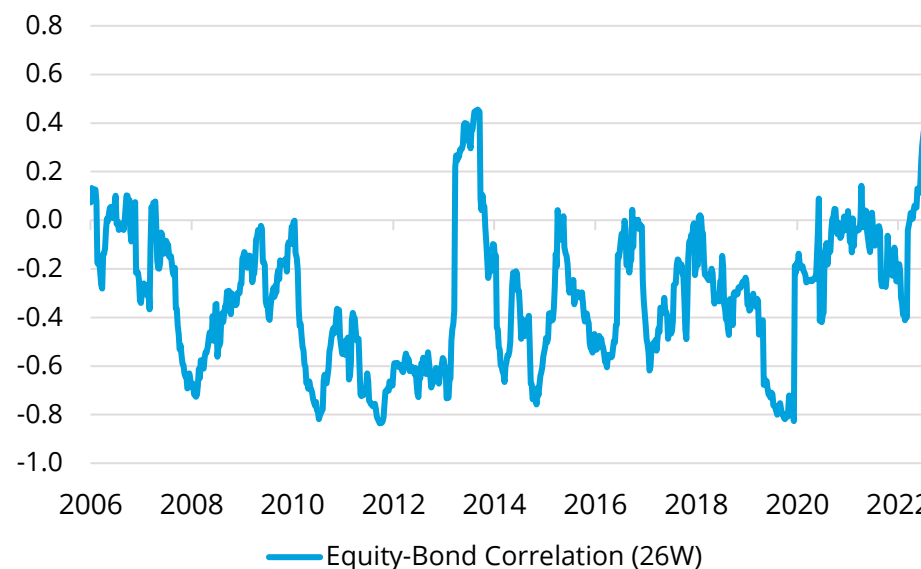
Correlation across (multi) asset class  
HSBC RORO Indicator



6M Correlation. Source: HSBC, MGI Economics, 14 December 2022

### Equity-bond correlations show inflation

Correlation Coefficient



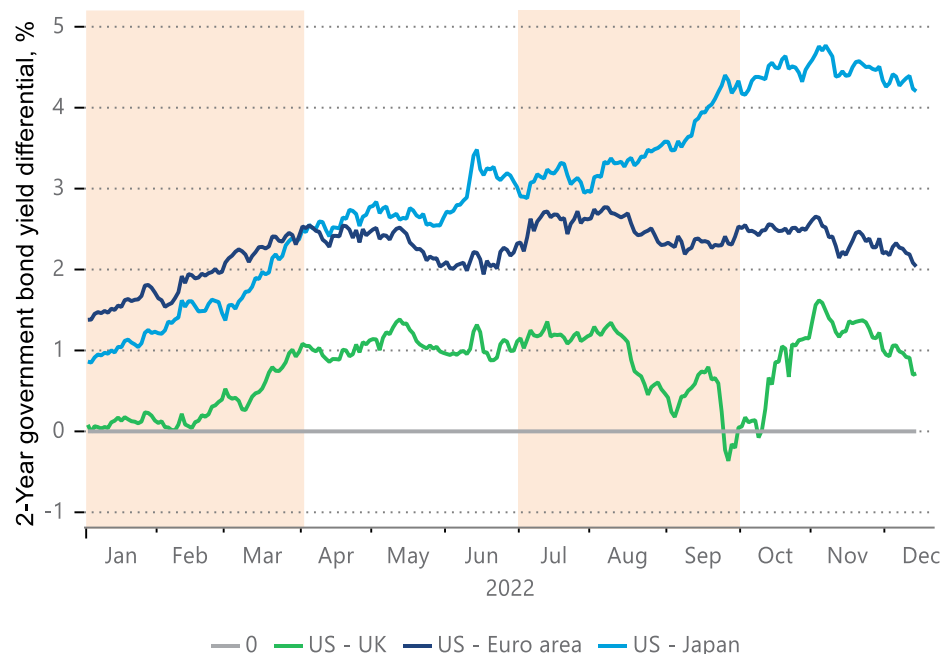
Source: HSBC, MGI Economics, 13 December 2022

Our currency views are broadly based on a simple observation about what is driving financial markets. Correlation across asset classes is historically extremely high and the equity-bond correlation is very positive. This tells us we are in a “top-down” world, where inflation is the main driver of directionality. This points to the global inflation outlook being particularly important and bottom-up idiosyncratic stories less so important. For us, while we accept the US inflation outlook is partially priced in bond markets (see slide 12), our views on inflation suggests further room for yields to fall as the probability of higher yields driven by stubbornly high inflation recedes. While inflation (not growth) remains the dominant driver of markets, the equity-bond correlation should stay positive – having important implications for equity driven FX (such as AUD, GBP) vs duration sensitive FX (such as JPY, CHF). This reflects lower inflation being the primary driver of Fed cuts rather than recession fears.



## USD (-) DXY still expensive as yield differential support reverses

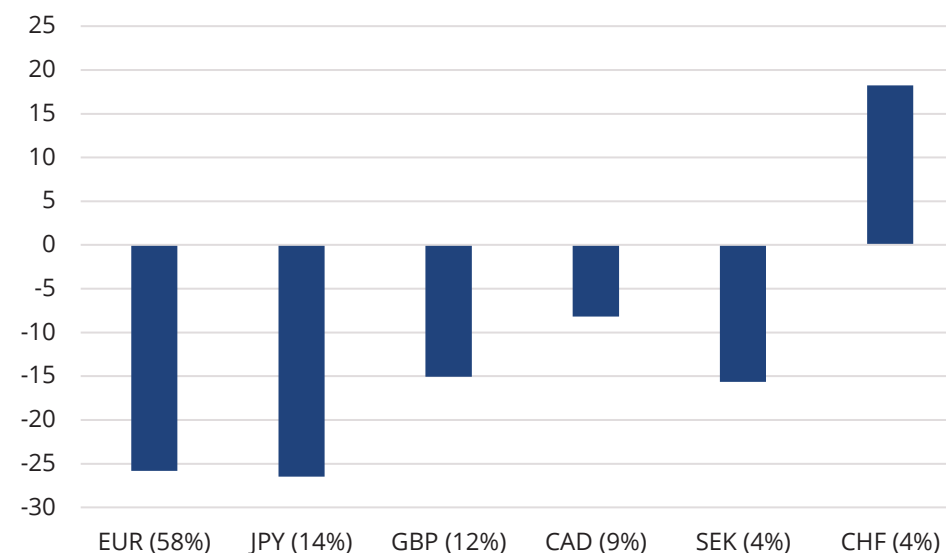
### Yield differentials move against the dollar



Source: Macrobond, MGI Economics, 14 December 2022

### DXY is still overvalued

Spot % from PPP



Weight in DXY in parenthesis.

Source: Macrobond, MGI Economics, 14 December 2022

While the dollar has weakened, it still remains expensive, particularly through the lens of the DXY Index. The risk environment has broadly become more supportive as central banks reduce the pace of tightening, China reopens (but not too quickly to negatively impact Europe) and a warm winter has bailed out Europe; significantly reducing the likelihood of another severe terms of trade shock. Our view remains reasonably tactical – the US is on track for a mild recession with a Federal Reserve that has signalled an unwillingness to cut interest rates. However, we see “soft-landing” dynamics at play over the first quarter with the US avoiding a recession as the consumer benefits from a boost to purchasing power, the labour market remains strong and a private sector that has a buffer that should avoid a quick retrenchment in spending.





# EUR (+) Energy shock to take a smaller than expected toll on growth

## Hard data has outperformed surveys



Source: Macrobond, MGI Economics, 12 December 2022

## While natural gas prices should fall in Q1 2023



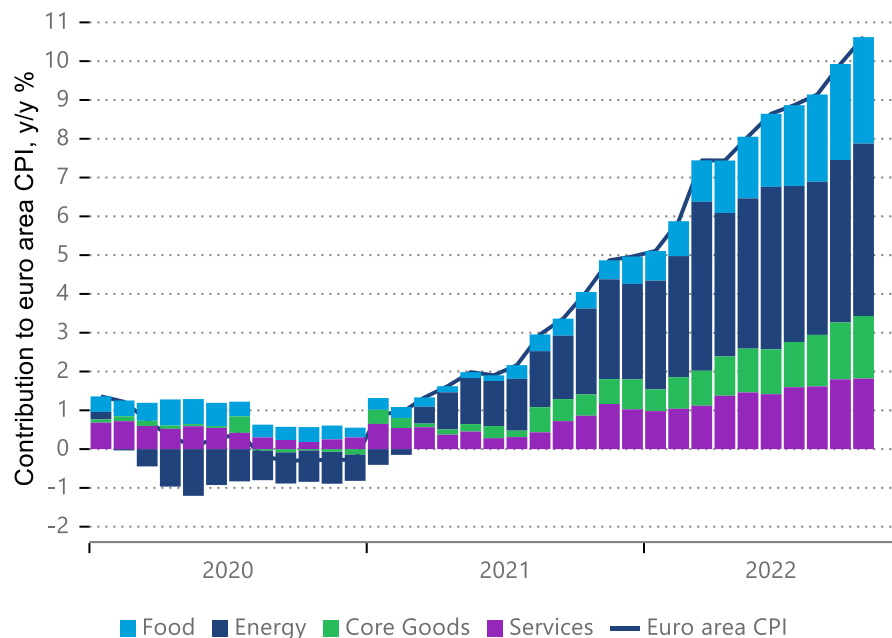
Source: Goldman Sachs, MGI Economics, 13 December 2022

While the energy shock is taking a toll on growth, so far, activity has been resilient and Europe's ability to increase gas storage levels to 95% coupled with warm weather has offered enough buffer to get Europe comfortably through the winter. In the medium-term, the likelihood of a terms of trade shock similar to the one experienced in 2022 has significantly decreased. While gas prices are likely to increase again next summer, they are not expected reach levels registered last summer as the increase in other sources of energy supply, nuclear notably, should help in containing upward price pressures as well as a lacklustre rebound in Chinese economic activity.



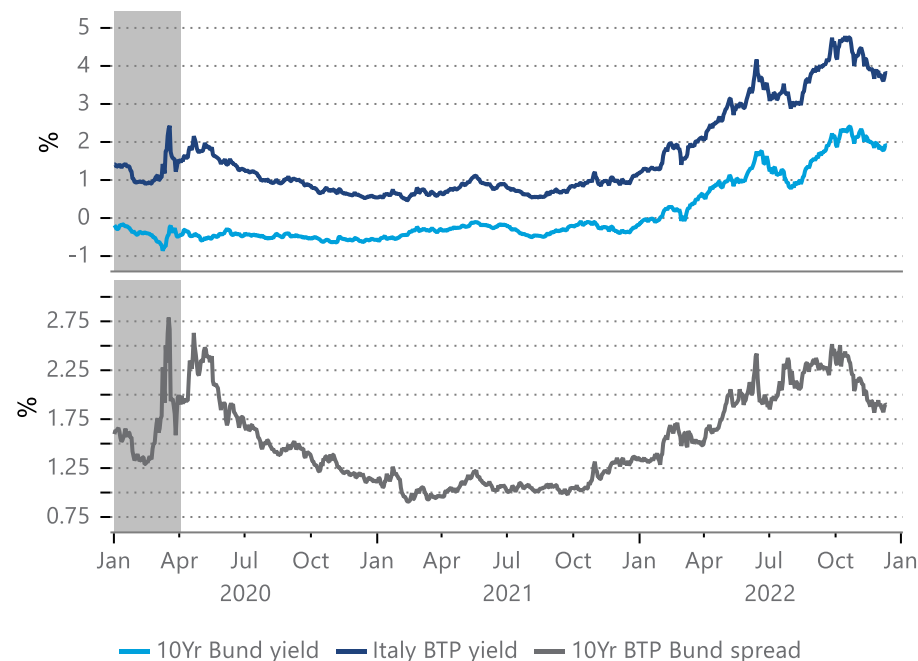
## EUR (+) ECB to remain hawkish despite recession

### ECB hikes in pipeline as inflation remains elevated



Source: Macrobond, MGI Economics, 12 December 2022

### Italian sovereign spread risks contained



Source: Macrobond, MGI Economics, 12 December 2022

Despite having increased rates by a 200bps thus far, the European Central Bank is lagging behind its hiking cycle. A tight labour market and persistently elevated inflation point to a continuation of rate hikes, though at a slower pace. Risks around the terminal rate are on the upside amid inflation stickiness, wages upward pressures and uncertainty around further energy shocks. In our view, while the relative growth dynamic should weigh on the currency, the relatively more hawkish stance from the ECB compared to the Fed should support the currency. Additionally, in the short term, there should not be any concerns related to fiscal stability and debt sustainability in Italy, that could have driven a negative euro sentiment.



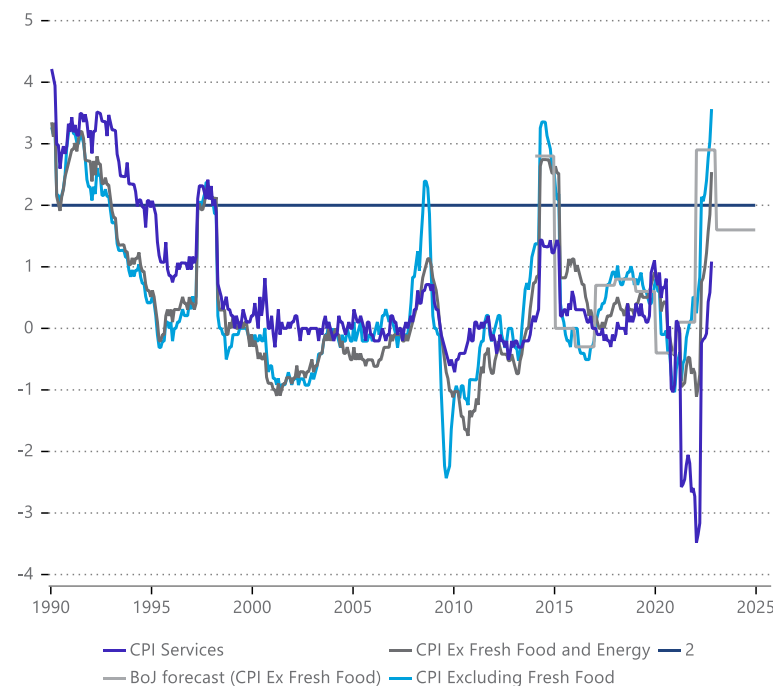
## JPY (+) A valuation opportunity with good risk-reward

### Yen does well in range of economic scenarios

Scenario	Scenario description	JPMorgan probability assessment
1	Fed has already overtightened, near term global recession	20%
2	Growth slows and US slips into recession late 2023	32%
3	Inflation has not peaked, Fed hiking resumes in H2 23	28%
4	Soft landing	20%

Source: JP.Morgan Global Economics, 9 November 2022

### Forecasts show the BoJ have more belief in inflation target



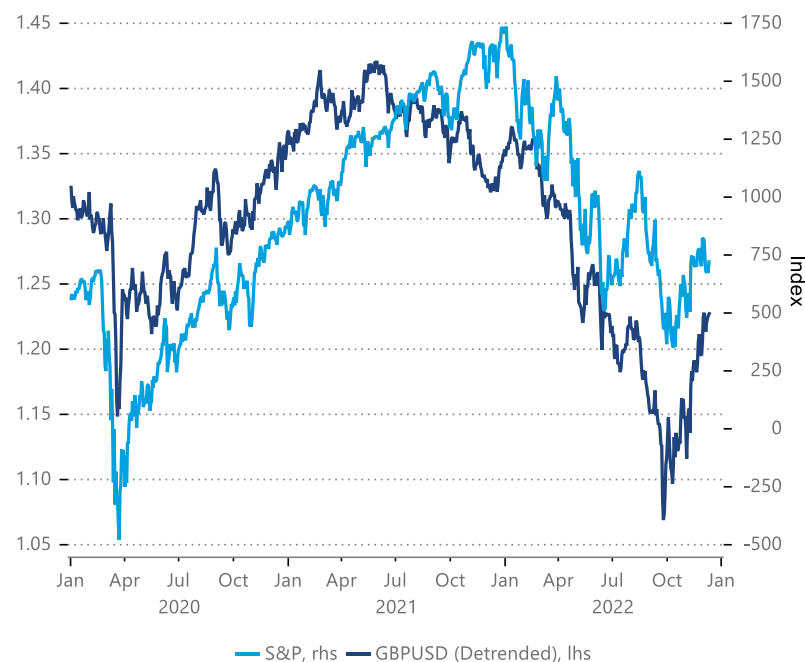
Source: Bloomberg, MGI Economics, 13 December 2022

Despite its recent appreciation, the yen is still the cheapest currency in G10 (see slide 36). Given the main driver of the yen continues to be relative yield differentials, our view that US inflation and growth are likely to slow over the next quarter points to treasury yields moving lower. We also acknowledge the broad uncertainty in the economic outlook but see good risk-reward for the yen given the economic scenarios (see chart above). While our view is premised on the US side of equation, we think the explicit forecasting of a “virtuous” inflation cycle from the Bank of Japan (“BoJ”) is meaningful and though we do not see a change in yield curve control from the Bank of Japan next quarter, we expect Japanese inflation developments to generally support a normalisation in policy in the second half of the year.



## GBP (0) Benefits from supportive risk backdrop as US inflation falls

### Sterling has been boosted by the recent equity rally



Source: Macrobond, MGI Economics, 13 December 2022

### In context of lower energy prices



Source: Macrobond, MGI Economics, 13 December 2022

Sterling has benefitted from the broad turn in risk sentiment and in particular, the FX correlation with US equities. Our view that US inflation is likely to fall over the quarter should continue to support GBP from a yield differential and risk-sentiment point of view (as US yields move lower and equity risk is supported). Meanwhile, as global growth slows, energy prices should not act as an impediment to sterling appreciation.



## GBP (0) But UK cyclical and structural vulnerabilities remain

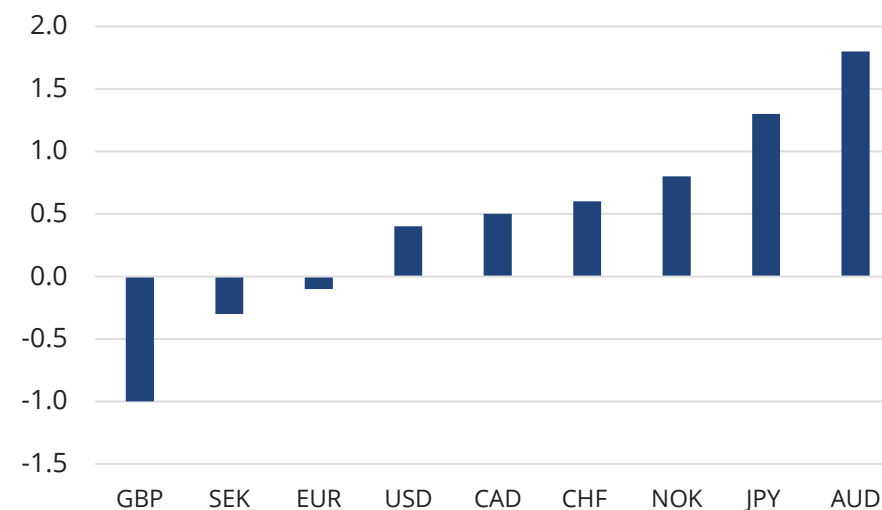
### Wage growth should keep the Bank of England hawkish



Source: Macrobond, MGI Economics, 14 December

### UK growth prospects worst in G10 next year

2023 Growth Expectation, y/y %



Source: Bloomberg Consensus, 13 December 2022

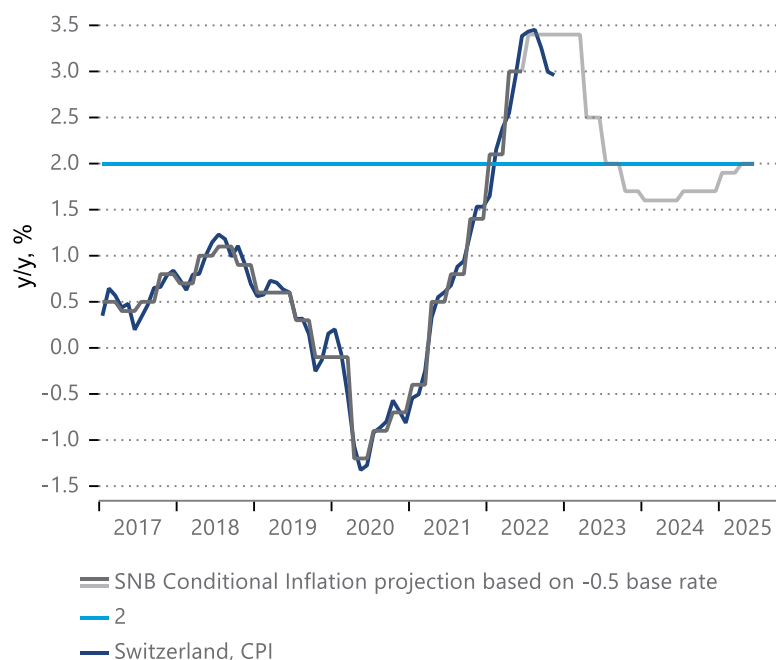
Our bottom-up view is less supportive of sterling. Firstly, we expect UK growth to underperform the US primarily due to the dispersion in real wage growth outlook as well as building fiscal headwinds. Secondly, nominal wage growth of 6% should keep the Bank of England hawkish in the near term and hiking into Q2. However, a terminal Bank rate of 4.7% is already priced into bond markets. Moreover it is not clear that signs of further second round effects will be supportive of the currency given it will come as the cost of a more severe recession and in the backdrop of continued structural vulnerabilities. On the whole, we think the top-down story is likely to overwhelm but aware of there is lack of UK domestic impulse.





## CHF (0) SNB normalisation almost complete

### SNB forecasts suggest not much more to do



Source: SNB, 15 December 2022

### CHF strengthened through gas crisis



Source: Macrobond, MGI Economics, 15 December 2022

From a cyclical point of view, the relatively low inflation and wage backdrop suggest the Swiss National Bank (SNB) are nearly done with their hiking cycle, leaving the central bank to focus on monetary policy implementation. We therefore take a slightly more dovish view than the market, which leaves us neutral on the Swiss franc versus the US dollar and slightly negative versus the euro. The latter should also be helped by the receding probability of another terms of trade shock (which benefitted the Swiss franc as a European safe-haven earlier on in the year). This suggests EURCHF could drift higher, particularly as the SNB become more sanguine about the inflation outlook and therefore the associated pass through from currency.



## AUD (0) Mixed equity environment with dovish risk to RBA

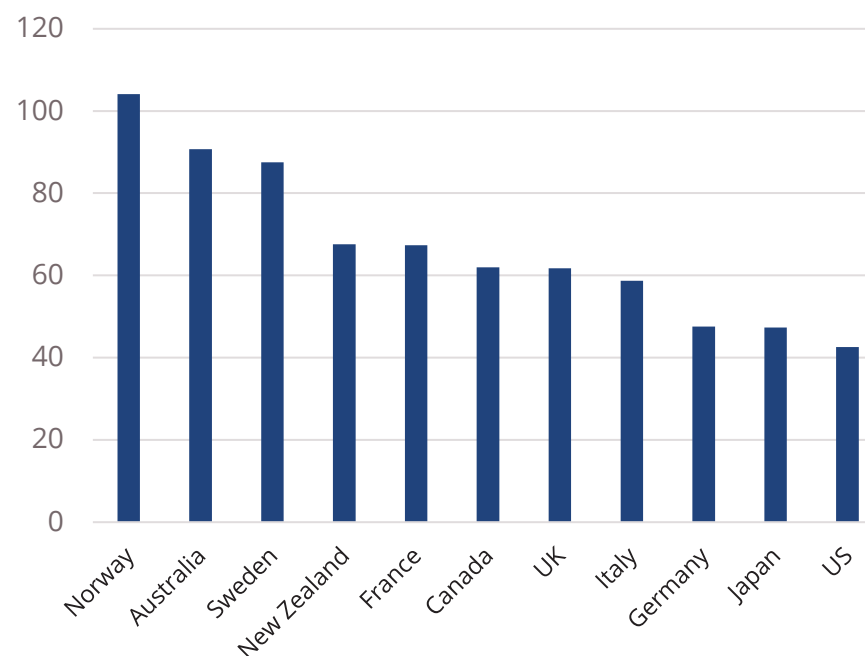
**AUDUSD broadly a view on equity risk**



Source: Macrobond, MGI Economics, 12 December 2022

**RBA faces an interest sensitive economy**

Mortgage loans, % of GDP



Source: Goldman Sachs, MGI Economics, 12 December 2022

Correlations suggest the Australian dollar remains a view on equity risk as well as yield differentials. In the near term, our top down views suggests equity risk should be supported by lower US inflation however as growth slows (as the probability of a hard landing rises) this should be accompanied with equity weakness, particularly if the Fed are reluctant to cut interest rates. We ultimately see the Fed becoming more dovish, but this presents a likely volatile path for “Aussie”. We also see downside risks to the RBA rate path, leaving us neutral vs USD overall.



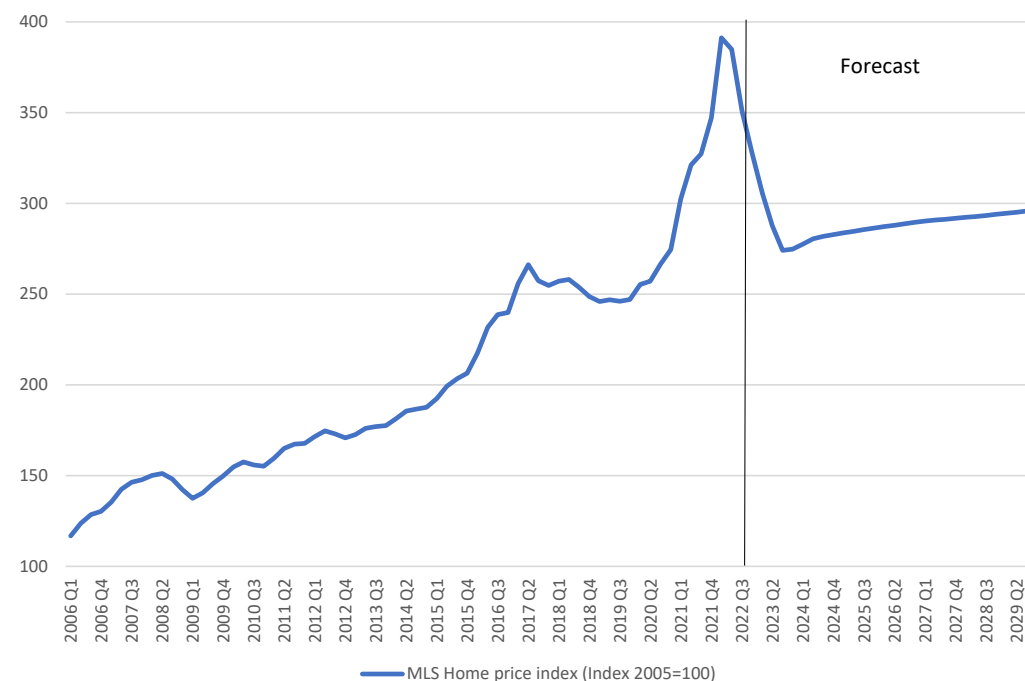
## CAD (-) No support from commodity prices and domestic downturn

### Commodities should not be supportive of CAD



Source: Macrobond, Citigroup, 15 December 2022

### While the housing market downturn should be a drag



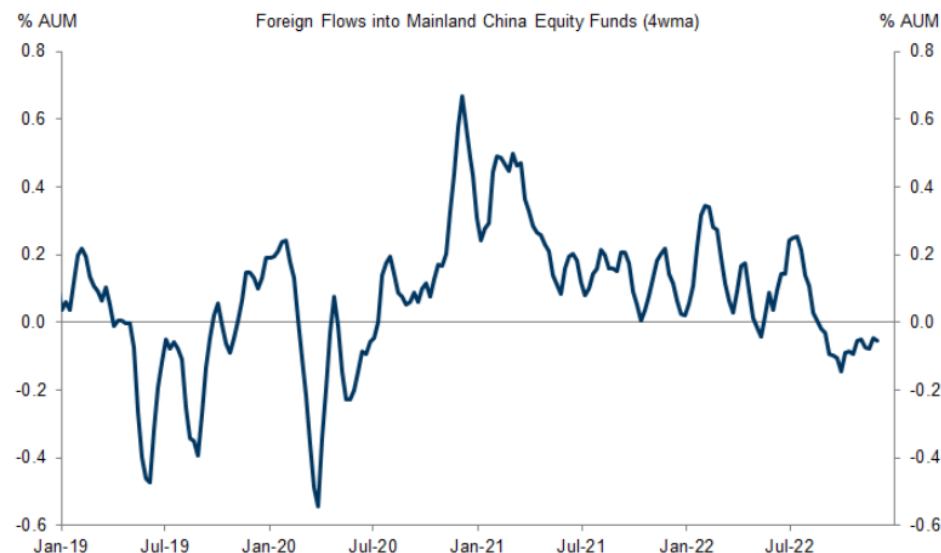
Source: Oxford Economics, MGI Economics, 13 December 2022

The fall in commodity prices, which is the main driver of the Canadian dollar, should not be supportive of CAD. Additionally, we expect a significant slowdown in activity, amid high inflation and ongoing housing market correction, that should weigh on the currency. The Bank of Canada ("BoC") has reduced the pace of its tightening cycle in October and signalled, at its December meeting, a potential further step-down further out. Another smaller hike is currently reasonably priced for January, as inflation is likely to still show signs of stickiness. We expect the BoC to end its hiking cycle earlier than the Fed given a more frontloaded hiking cycle and a higher sensitivity of households to interest rates. Overall, commodity prices and domestic factors should not support the currency in the short-term.



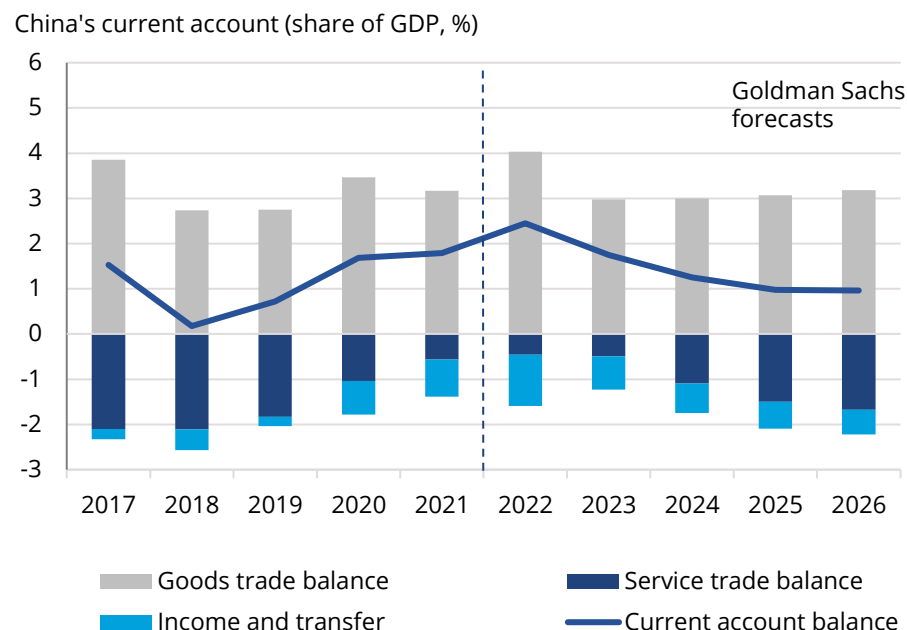
## CNH (+) Reopening growth and sentiment supportive

### Scope for equity flows to pick up



Source: Goldman Sachs, 12 December 2022

### Gradual reopening should limit services outflow widening



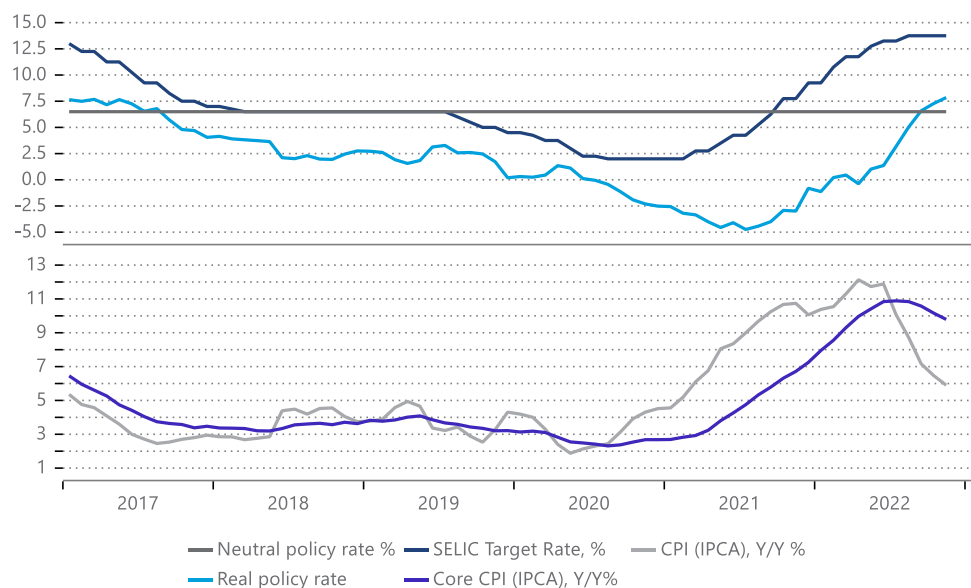
Source: Goldman Sachs (Forecasts), MGI Economics, 12 December 2022

In mid-November China began the reopening process and policymakers are now signalling a focus on supporting growth next year. Low vaccination rates in the elderly and limited hospital capacity point to reopening being a gradual process with the economic reward likely in the second half of next year. This is important for two reasons. Firstly, re-opening is likely to boost sentiment but keep a lid on energy prices and secondly, this limits the current account deterioration from outbound tourism. While the former is important for the broader inflation outlook, the latter should mean that the currency can strengthen as growth prospects and capital inflows improve. However, this is unlikely to be a smooth ride as investors digest poor incoming data and more covid cases.



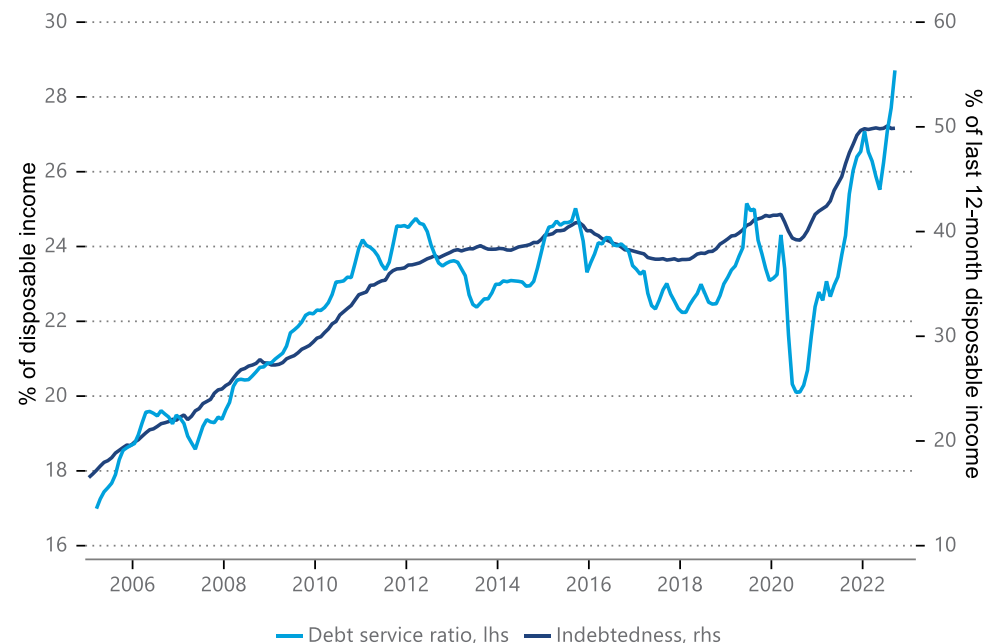
## BRL (0) Tight financial conditions and high indebtedness

### Restrictive monetary policy to tame inflation



Source: BCB, Macrobond, MGI Economics, 14 December 2022

### Raises risks for households indebtedness.



Source: BCB, J.P. Morgan, MGI Economics, 14 December 2022

A combination of significant financial tightening, highly indebted households, moderation in commodity prices and the fiscal uncertainty should drag the economy into a recession in the first quarter. On the fiscal front, the Senate approved Lula's proposition to increase the cap on spending, allowing for expenditures above BRL200 bn in 2023. Uncertainty remains as the bill is currently waiting for lower house approval. The Banco Central do Brazil ("BCB") kept rate unchanged at 13.75% in December as services inflation should take longer to ease. They also reiterated their concern over fiscal policy and its inflationary consequence. As such, the BCB could keep rates higher for longer to tame inflation and sustain the currency. In that context, we take a neutral view on BRL versus USD as high nominal rates should broadly offset the negative currency drivers.

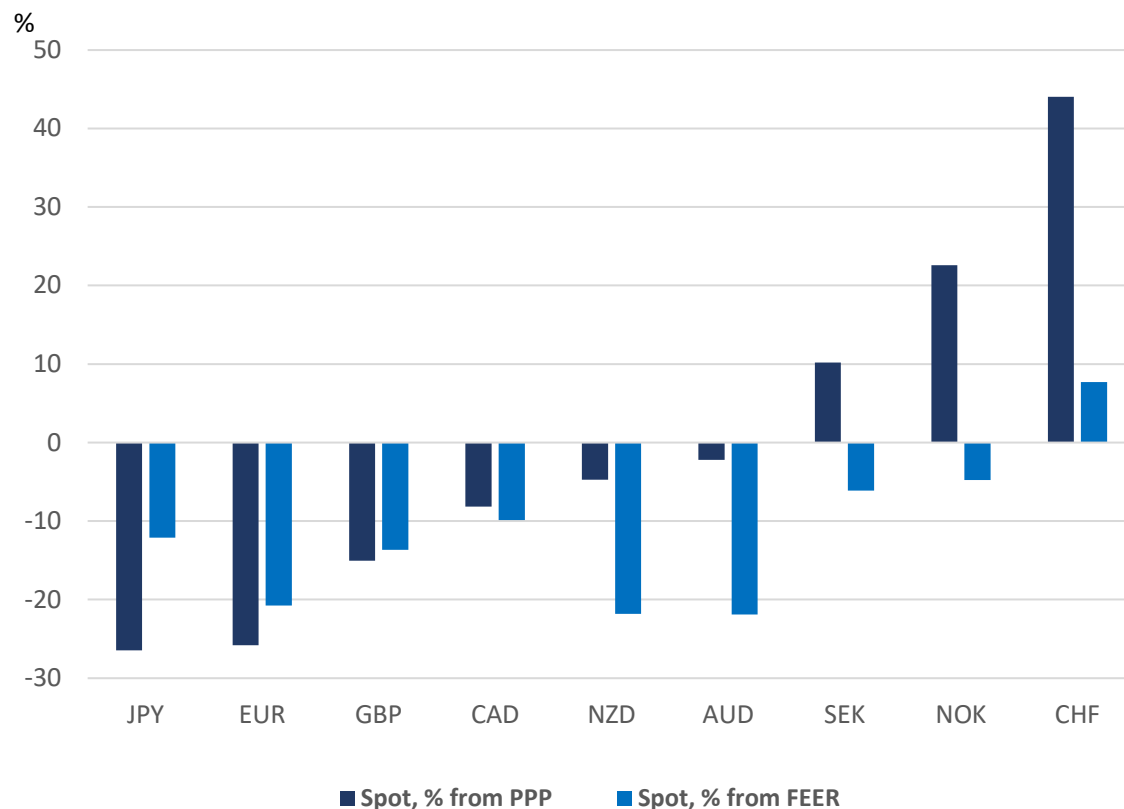


# FX VALUATION MEASURES



## G3 present a valuation opportunity

### G10 Valuation measures



### Purchasing Power Parity (PPP)

One of the pillars of long run modelling for exchange rates. The main idea is that the price of similar goods in home and foreign countries should be the same, in order to have the respective currencies in equilibrium. Otherwise, a demand switch from the expensive goods to the cheaper goods, will follow. Based on the Law of One Price (LOP), this demand change will last until the demand and supply equalize the prices.

### Fundamental Equilibrium Exchange Rate (FEER)

The equilibrium exchange rate that achieves both the internal and external balance. The internal balance is reached when the economy is at full employment and low inflation, while the external balance is reached when a country spends and invests abroad no more than the other countries spend and invest in it.

NOK, SEK and CHF vs EUR. Otherwise vs. USD. Source: Macrobond, MGI Economics, GS Research. Data as of 12 December 2022



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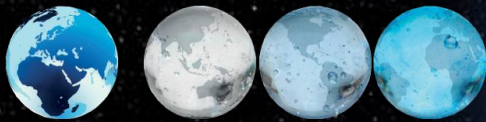
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