

## Global Economic Weekly

## What to expect when you are expecting

**Global Letter: What to expect when you are expecting**

Powell didn't offer much guidance and the speech was not a market moving event. Market pricing and the progress in disinflation suggest 3 cuts starting in June as the path of least resistance. But growth above potential, upside inflation risks and elections suggest high for longer might be appropriate.

**United States: Household net worth surges**

Household net worth jumped by \$4.8tn in 4Q 23 and is up a staggering \$39.3tn (140% of GDP) since the pandemic. In addition, although households have drawn down on excess saving, there is still room to run. Whether through rising asset prices or excess saving, we find good reason to think household spending can remain resilient.

**Euro Area: ECB review – June it is**

No big surprises in the press conference, but a clear message: absent big surprises, cuts can start in June. Our call remains: quarterly 2024 cuts starting June, faster ones to 2% by mid-25 as core disinflates further than they think.

**UK: Budget – another heavy Gilt supply year**

The Chancellor did not deliver big surprises. We read this Budget as just marginally hawkish, if at all. Effective Gilt supply in 2024/25 will likely set a new record high.

**Asia: Korea – the Fed cycle and the BoK**

Feb meeting suggested a hawkish Fed may have contributed to a cautious Bank of Korea (BoK). However, when reviewing past 6 easing cycles, we see BoK places a higher weight on domestic factors, rather than Fed policy. Disinflation trend is the key determinant.

**Emerging EMEA: CEE – labour market comforting**

Poland and Hungary vulnerable to wage cost, as elevated ULC sustained by labour shortages, GDP recovery, govt policies. Czechia has more scope for Unit Labor Costs (ULC) adjustment, but not fully out of the woods as the labour market similarly tight to 2017-18.

**Latin America: Mexico - inflation could be enough to cut**

Headline inflation fell in February to 4.4% yoy from 4.9% in January. Core inflation fell further and is now at 4.6%. A broad-based fall in headline supports further BANXICO's intentions to cut in March. We expect a 25bp cut on March 21.

08 March 2024

Economics  
Global**Table of Contents**

Global Letter	2
United States	3
Euro Area	6
UK	11
Asia	14
Emerging EMEA	16
Latin America	18
Key forecasts	20
Detailed forecasts	21
Research Analysts	27

**Claudio Irigoyen**  
Global Economist  
BofAS  
+1 646 855 1734  
[claudio.irigoyen@bofa.com](mailto:claudio.irigoyen@bofa.com)

**Antonio Gabriel**  
Global Economist  
BofAS  
+1 646 743 5373  
[antonio.gabriel@bofa.com](mailto:antonio.gabriel@bofa.com)

**Global Economics Team**  
BofAS

See Team Page for List of Analysts

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Refer to important disclosures on page 25 to 26.

12668343

Timestamp: 08 March 2024 04:30AM EST

# Global Letter

**Claudio Irigoyen**

BofAS

[claudio.irigoyen@bofa.com](mailto:claudio.irigoyen@bofa.com)

## What to expect when you are expecting

Payrolls is always a market moving event, in particular after the massive January number. At the time of writing this report, we expect a strong payroll number (215k), way above the equilibrium level. On the other hand, as expected, Powell didn't add much guidance and consequently his speech was not a market moving event. Our US Economics team still expects 3 cuts this year starting in June, in line with market pricing.

### Are markets too sensitive to the Fed?

As we wrote in our recent report (see [Let's talk about inflation risks](#)), you can make the case of higher for longer by combining a few factors: a strong economy running above potential, a tight labor market in particular in the services sector, a goods-driven disinflation as a consequence of the normalization of supply chains, and the simple fact that we are approaching a very polarized and contested presidential election.

Moreover, since the publication of that report, right before the last FOMC meeting where March was removed as a viable option for the Fed to start cutting rates, the rates market sold off 50bp and the market removed 3 cuts over a period of 1 month. Interestingly, during the same period, the stock market rallied 5%. In addition, since the last FOMC meeting, investors updated their information sets with a strong payrolls number, a higher-than-expected inflation print, and stronger-than-expected growth in economic activity.

The description above is relevant because, very often, the usual reaction to the case for the Fed to remain on hold for the rest of the year is that the stock market would collapse due to the implicit tightening of financial conditions. Well, the stock market certainly didn't collapse when the rates market removed 3 cuts in February, so the market will not collapse if the Fed doesn't cut at all, as long as there is a good reason.

### How restrictive is monetary policy?

Given the recent structural changes, we don't know. For starters, monetary policy doesn't seem very restrictive according to most financial markets conditions. The stock market is making new highs every month, not a sign of overly tight monetary policy.

Monetary policy is restrictive (controlling for several of the unconventional monetary policy tools) when the actual real policy rate is higher than the real  $r^*$ , which is the rate of interest consistent with full employment and inflation at target. For a given real policy rate, the higher  $r^*$ , the less tight monetary policy is in practice. In other words, the economy can absorb higher interest rates in equilibrium.

Everything indicates  $r^*$  is significantly higher than pre-pandemic, driven by higher productivity growth, better-than-expected labor supply, and looser fiscal policy. Since there is a lot of uncertainty about  $r^*$  post pandemic, there is also a lot of uncertainty regarding how tight monetary policy is. Based on many estimates of  $r^*$ , monetary policy became restrictive towards 2Q23.

### In search of the path of least resistance

Judging by the market pricing of 3 cuts for 2024, the consensus indicates that with the observed progress in disinflation, the path of least resistance is for the Fed to start cutting rates around June. It is worth asking the opposite question: with so much evidence that the economy is running above potential, upside risks to inflation, and presidential elections approaching, isn't the path of least resistance to apply proper risk management and keep rates high for longer?

# United States

**Michael Gapen**  
BofAS

**Aditya Bhawe**  
BofAS

**Stephen Juneau**  
BofAS

**Shruti Mishra**  
BofAS

**Jeseo Park**  
BofAS

## Household net worth surges

- Household net worth surged by \$4.8tn in 4Q 23, more than reversing its 3Q decline.
- Rising asset prices boost consumption through the wealth effect. The data also suggest households have more room to draw down on excess saving.
- Overall, consumption appears well supported by rising asset prices and still-elevated holdings of liquid assets. A retrenchment in consumption remains unlikely.

**Complete report:** [US Economic Weekly: Household net worth surges 08 March 2024](#)

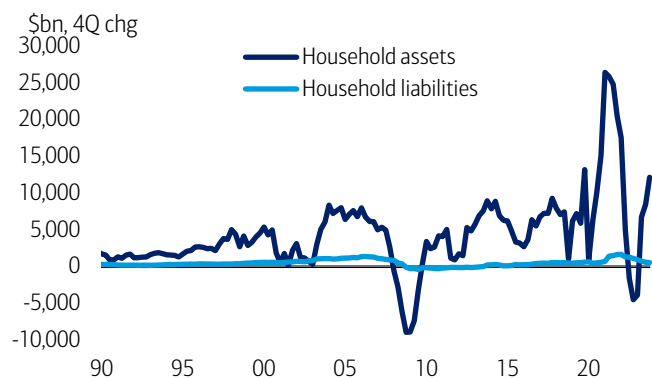
## Household assets drive spending, not liabilities

Household net worth jumped by \$4.8tn in 4Q 23 as assets rose by \$5.0tn and liabilities increased by \$170bn. Financial assets were the main driver of the increase in household assets, rising \$5.6tn in the quarter. Nonfinancial assets, which include real estate, were down \$551bn. On the liabilities side, the increase was driven by growth in residential mortgages (\$89.7bn) and consumer credit (\$58.8bn). Overall, household net worth is up a staggering \$39.3tn (or 140% of GDP) since 4Q 2019, prior to the onset of the pandemic.

In recent months, we have fielded questions on whether the increase in household liabilities and the rise in consumer delinquency rates foreshadow a weak outlook for consumer spending. While we acknowledge higher leverage and delinquency rates pose downside risks, we form our signal about the consumer from changes in income and household assets. As shown in Exhibit 1, changes in household net worth are driven mainly by changes in household assets, not household liabilities. And on that front, there is good reason to think the outlook for consumer spending remains favorable.

### Exhibit 1: Four-quarter change in household assets & liabilities, \$bn

Household assets rebounded sharply in 4Q 23

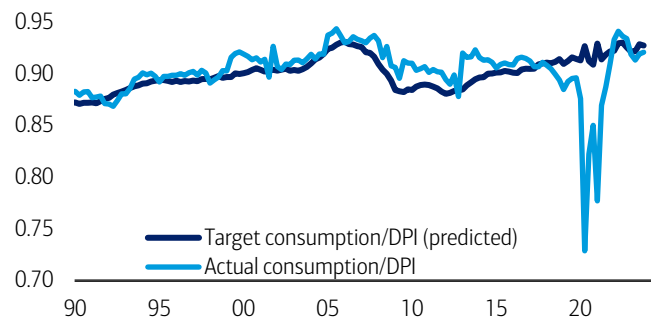


Source: Federal Reserve, Haver Analytics, BofA Global Research

BofA GLOBAL RESEARCH

### Exhibit 2: Ratio of target and actual consumption to disposable personal income (DPI)

Consumer spending has not overshot its long-run target



Source: BEA, Haver Analytics, BofA Global Research

BofA GLOBAL RESEARCH

Higher net wealth leads households to target higher levels of consumption in the long run, making households more willing to consume out of current income and pushing the saving rate lower. Consumption can be pushed above or below its target level in the



short run due to cyclical forces from labor market conditions, monetary policy, and credit conditions, among other factors.

As shown in Exhibit 2, the substantial rise in household net worth kept target consumption elevated during the pandemic even as actual spending retrenched. This kept us comfortable in our thinking that spending would rebound sharply once the economy re-opened. At present, actual consumption is running about in line with its long-run target. The fact that consumption has not overshoot suggests the risk of a sharp pull-back in consumer spending remains low.

### Still room for liquid saving to support spending

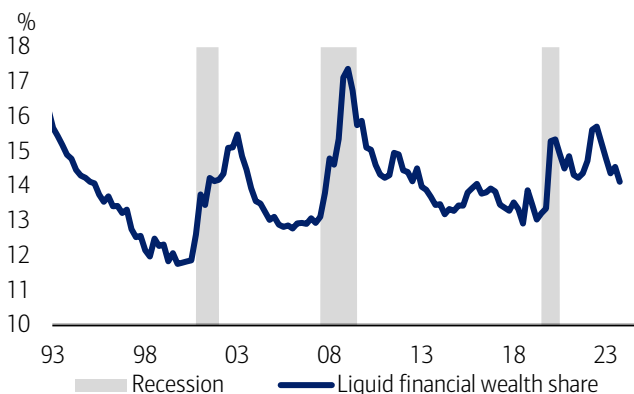
Economic downturns tend to cause “flight to safety” behavior, consistent with a precautionary saving motive. During recessions household uncertainty typically rises, leading the average household to respond by increasing saving today. In addition, economic downturns may correspond with lower financial asset prices and increased volatility in financial markets, prompting households to hold a larger percentage of their financial wealth in deposits, or other similar cash-like instruments. Hence, a rise in the share of liquid financial assets in total financial assets is negatively correlated with consumer spending.

In addition to any precautionary motive, household saving was significantly bolstered during the pandemic by government transfers. Additionally, since the pandemic acted like a hidden tax on some forms of face-to-face services spending, households deferred consumption until pandemic risks subsided. In the meantime, saving increased.

As seen in Exhibit 3, the share of liquid financial wealth (checkable deposits and currency, time and saving deposits, money market funds, and foreign deposits) in total household financial wealth surged during the pandemic. Liquid wealth rose by about 3pp between 2019 and 2022, rivaling the shift observed during the global financial crisis and prior recessions. This occurred even though other asset prices – bonds, equities, and real estate – moved substantially higher.

#### Exhibit 3: Liquid financial wealth in percent of household financial wealth (%)

There is further room for households to draw down on excess saving to support consumption

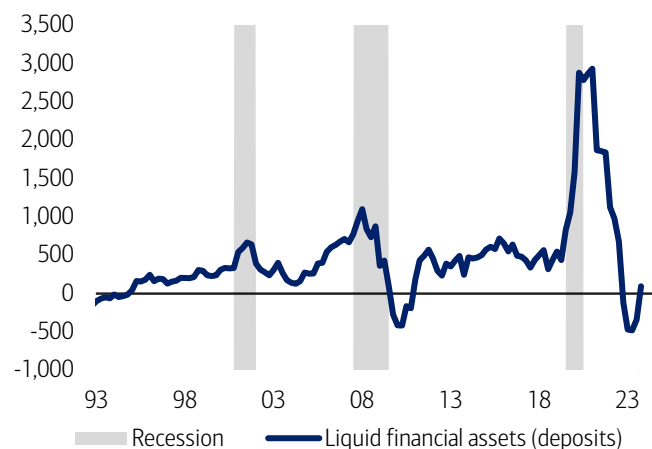


Source: Federal Reserve, Haver Analytics, BofA Global Research

BofA GLOBAL RESEARCH

#### Exhibit 4: Four-quarter change in liquid financial assets (\$bn)

The rate of decline in excess saving slowed at year-end



Source: Federal Reserve, Haver Analytics, BofA Global Research

BofA GLOBAL RESEARCH

During the re-opening phase of the pandemic, households began to draw down on saving to support consumption. As shown in Exhibit 4, accumulation of liquid financial assets slowed sharply in 2021 and turned negative in 2022 (here we use a 4Q change to smooth through quarterly volatility). All else equal, any decline in the liquid financial share leads to a larger increase in consumption. Put differently, for a given level of financial wealth, drawing down on excess saving enhances the wealth effect.

The liquid financial share has fallen back toward its pre-COVID average but has more room to run. At 14.1% in 4Q, the liquid financial share is down 1.6pp from its peak in 3Q 2022 but remains 0.8pp above its 4Q 2019 value. Therefore, there is still room for households to draw down on excess saving to support spending.

The upshot is that whether through rising asset prices or excess saving, we find good reason to think household spending can remain resilient.

# Euro Area

**Ruben Segura-Cayuela**  
BofA Europe (Madrid)

**Evelyn Herrmann**  
BofASE (France)

**Sphia Salim**  
MLI (UK)

**Michalis Rousakis**  
MLI (UK)

## ECB review: June it is

- No big surprises in the press conference, but a clear message: absent big surprises, cuts can start in June.
- Our call remains: quarterly 2024 cuts starting June, faster ones to 2% by mid-25 as core disinflates further than they think.
- Rates: little impact on net. We focus on cuts coming. FX: little news for the EUR.

**Complete report:** [Europe Economic Weekly: Three months to go 08 March 2024](#)

### Guiding to June

The message from this week's ECB meeting was loud and clear. The ECB was certainly not ready to cut now but it is getting ready to cut soon if the data is in line with expectations. To us, that clearly points to a June rate cut, when they will have a lot more data (as emphasized several times by ECB's President Lagarde during the press conference). The bar is very high for a move before that, i.e., April.

### Their base case is probably a very slow cutting cycle

We did not get much guidance on the potential pace of the cutting cycle. Data dependence will continue to dictate the speed. But we would argue that the ECB implicitly had in mind a slow pace given that Lagarde flagged that: i) the restrictive season will take a while; and ii) market expectations make more sense now.

What does it mean for data to be in line? It's all about wages from here, and domestic inflation. They don't see a lot of progress, both series need to moderate from here in line with expectations for the cutting cycle to start, even if slowly.

### We still see more disinflation in 2H24

But we do see a lot more progress on disinflation, as we have continuously flagged (Europe Economic Weekly: Not fashionably late 23 February 2024). Our conviction on the first cut in June remains strong. And our conviction that data will end up pushing them to accelerate the cutting cycle is strong too (see Exhibit 2 for our vs the ECB's quarterly core inflation forecasts).

### We stick to our call: depo at 2% by mid-2025

As a reminder, we still expect the first (25bp) cut from the ECB in June. We have 75bp of cuts in 2024E and 125bp in 2025E (one per quarter in 2024, accelerating to one per meeting in December). Data (a persistent inflation undershoot to target) will eventually push the ECB to speed up the cutting cycle by more than they currently expect. Hence, our call for the ECB depo to be at 2% by mid-2025.

### Forecasts: still hawkish, just a little less so than before

Revisions to ECB forecasts were largely as we expected. GDP growth was revised lower in the short term, slightly higher in 2025/26. Headline inflation was revised lower this year (on the back of energy) but core inflation moved only at the margin. Crucially, end-2026 core inflation was revised to 2%, but crucially not falling below that.

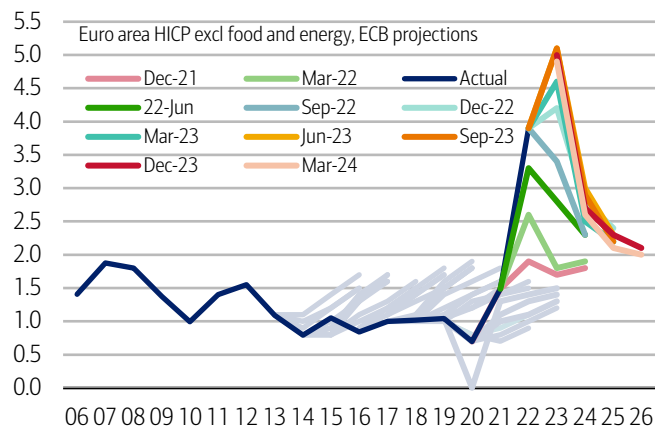
To us, these forecasts match the rest of the message: progress on the path to target is being made, but confidence in it is missing. Data over the next few months is crucial,

downward surprises probably won't bring forward the cutting cycle, significant upward surprises can delay it.

We wouldn't label these new forecasts as dovish, however. The underlying inflation view is still on the hawkish side from 2H24 onwards: GDP levels by the end of the forecast horizon are lower, but core inflation changes are only minor. The ECB still view inflation dynamics as much stickier than we do (Exhibit 6). That brings us back to our base case after the summer, or at the latest in 2025, the central bank is likely to have to accelerate rate cuts as data challenges their expected inflation persistence.

#### Exhibit 5: ECB core inflation projections over time

New forecasts, old (and rather hawkish) narrative: fast disinflation at first, a lot of stickiness thereafter.

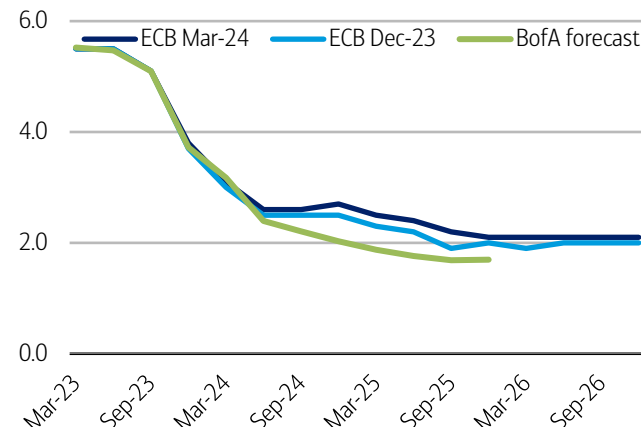


Source: BofA Global Research, ECB staff projections

BofA GLOBAL RESEARCH

#### Exhibit 6: ECB quarterly core inflation forecasts

The ECB and our core inflation forecasts are similar in 1H24. We assume that continued disinflation in 2H24 will ultimately lead to faster cuts.



Source: BofA Global Research, ECB staff projections  
BofA GLOBAL RESEARCH

## Rates: Roundtrip, as ECB pushes back against April. We focus on cuts coming.

The initial market reaction to the ECB's monetary policy statement was decidedly bullish. The downward revisions to the ECB's staff forecasts of inflation in 2024-26 and growth in 2024 can explain the price action. Markets added 7bp of cuts to 2024, with the total thereby reaching 100bp for the year. 10y Bund yields rallied also by 7bp at peak, also supported by slightly weaker than expected US data.

Most of the rally reversed by the end of the ECB's press conference. While President Lagarde noted the ECB's increased confidence in the disinflationary process and appeared to signal that a cut would be coming in June, the market may have been taken aback by the continued reference to elevated domestic inflation and risks around wages, alongside the pushback against an earlier April move.

Taking on board our economists view that domestic inflation will moderate more rapidly from mid-Q2 onwards, we continue to believe that Bund yields will be lower in 2H and that, as the ECB starts cutting in June, the market will slowly reprice the terminal rate lower. We also look for a structurally wider UST-Bund spread. However, the path towards this is complicated in the near term by data uncertainty, stemming from the US but also from Easter seasonality in Europe. If the ECB maintains its message of increased confidence in the disinflation process, we could see additional duration buying in the Euro Area, which would then exacerbate the bullish effect of reduced EUR-denominated bond supply pressures.

## EUR: little news

There was little news for the EUR at the ECB meeting, in line with our expectations. The EUR slightly fell initially amid the downward forecast revisions. This reversed amid Lagarde's cautious comments in the press conference. While we learnt nothing new, we

grew more confident that the ECB (1) remains data-dependent; (2) is very unlikely to cut before June; (3) can act independently of the Fed.

We remain of the view that US data, the Fed, and overall risk sentiment matter more for EURUSD than the ECB: we still forecast EURUSD at 1.15 by end-24, driven by a narrower US-Euro area sequential growth spread and supportive risk sentiment, assuming the Fed starts cutting rates in June. Of course, the more hawkish ECB stance vs. that of the Fed increases our conviction around our year-end forecast.

In line with what we have seen this year, we would expect the ECB impact to be seen more clearly in the crosses: we expect the relative ECB stance to modestly support the EUR vs. CHF, NZD, and CAD this year, but weigh on it vs. GBP. We also expect EUR to weaken vs. AUD and the Scandies, as we likely gradually move past peak China and Euro area bearishness.

We were even slightly open to an April cut after Banque de France's Villeroy's interview in Les Echos.

We still think the signal from forecasts will be there (see below for a discussion on ECB forecasts). But recent data printing hawkish on the margin has probably reduced the likelihood that the Governing Council is ready to move partially away from data dependence to some sort of date dependence.

The need for more confidence is a key theme across central banks these days, and the ECB is no exception. We don't think the ECB is ready yet to confidently signal that a cutting cycle is about to start.

We think it's too early to get details on the operational framework review, but we could get news on an announcement coming soon. In line with recent reports, we would expect the ECB to move to a demand-driven framework, with a narrower corridor, a new lending facility with, hopefully, longer maturity than one week, and a small structural portfolio of assets. We work on the assumption of no changes to minimum reserve requirements, but small (one-off) changes can't be ruled out.

### **A few reasons to be cautious**

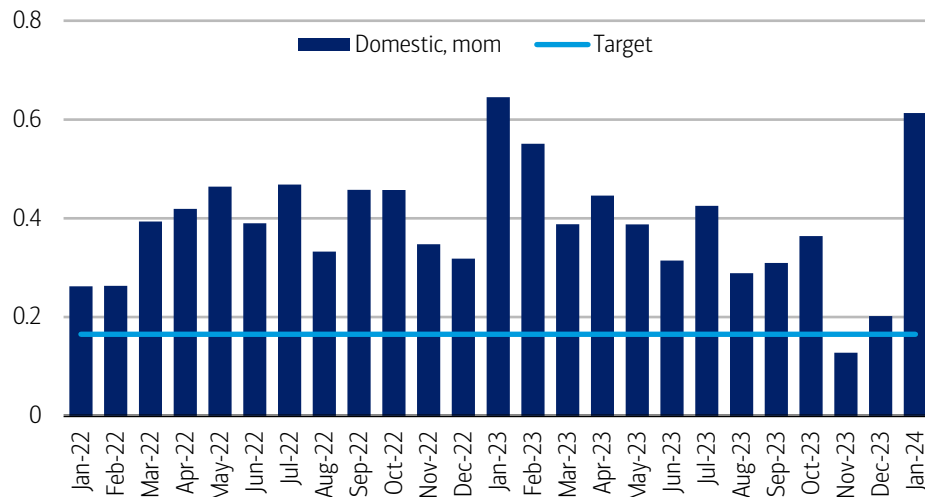
As we argued last week, details of the January inflation print, growing signs of an accelerating economy, and the first signals from wages for 1Q, probably do not create a sense of urgency for the ECB to cut before June. We would add that some of the data probably even created more resistance to signal anything too firm next week. This is particularly the case for domestic inflation, a key focus these days. Even in sequential terms the January print is likely to cause some additional caution (Exhibit 7).

As a reminder, we still expect the first (25bp) cut from the ECB in June this year. We have 75bp of cuts in 2024E and 125bp in 2025E (one per quarter in 2024, accelerating to one per meeting in December). By June, we expect data to sufficiently comfort the ECB that disinflation has legs. Data will eventually push the ECB to speed up the cutting cycle by more than they currently expect. Hence, our call for the ECB depo to be at 2% by mid-2025. And we have been flagging the risk of earlier acceleration of the cutting cycle than we expect now (by September). But that implies at most 100bp of cuts in 2024 and a lot more than is priced in for 2025.



**Exhibit 7: Euro area, domestic inflation, mom%**

The January print gives a reason to wait



Source: Eurostat, BofA Global Research

BofA GLOBAL RESEARCH

**April or June?**

While our base case is June, we would not expect any clear pushback from ECB President Lagarde on an April cut. Rather, we would expect her to reiterate what she said in the last ECB meeting, emphasising data dependence rather than date dependence. We would not be surprised if she stands by her words in Davos earlier this year when asked about the timing of cuts, without providing specifics.

In our view, absent any major surprises on the very little data we (and they) will have between the March and April meetings, we doubt they can build consensus for an April cut if they are not ready to provide firmer guidance next week.

**ECB projections: the price of confidence**

In December, the ECB surprised with a very hawkish set of inflation forecasts, with core inflation, in particular, still at 2.1% on average in 2026E. Three months later, it will be tough to avoid cuts to the whole inflation trajectory, given the almost 10% decline in the (weighted) average of gas and oil prices over the forecast horizon. The ECB's own sensitivity analysis in the June 2023 forecast would suggest c 20-30bp of headline inflation at risk in 2024/25 and c 10bp in 2026 via energy prices alone. Food prices should compensate partly, but a mild downward revision even in 2025/26 is likely.

The ramifications for core inflation are not so obvious. Lower headline inflation and looser financing conditions (the 10y government bond yield moved down c 40bp between the forecast cut-off dates) will probably bring better growth forecasts once the 2023/24 winter lull is passed. A cut to 2024 growth by 20-30bp to 0.5-0.6% is likely, followed by upward revisions of 10-20bp per year in 2025/26.

Compensation per employee growth may have ended 2023 a tad weaker than the ECB initially expected, but paired with weaker growth in the short term, unit labour cost pressures remain (at least) as expected.

All combined, we expect only marginal changes to core inflation forecasts. The path in 2024-25 might be 10bp lower (at most 20bp), and we think there is a possibility of the ECB adjusting the back-end to the 2026 core inflation forecast by 10bp to 2%. It is unclear if that would be enough to push the 2026 average to 2%, but it strikes us as unlikely that the ECB will forecast an undershoot in this round.

Why not normalise rates when the target is reached in the relevant monetary policy horizon? The argument would be that reaching 2% is still so far off that the option value of waiting for further confirmation of the disinflation process is low (whether we subscribe to that argument is a different matter).

#### Exhibit 8: ECB projections – GDP and inflation

Path to target is created, confidence in it is missing

	Dec-23				Mar-24 (exp)			
	2023	2024	2025	2026	2023	2024	2025	2026
Real GDP	0.6	0.8	1.5	1.5	0.5	0.5-0.6	1.6-1.7	1.5-1.6
HICP	5.4	2.7	2.1	1.9	8.4	2.3-2.4	2.0-2.1	1.8-1.9
ex food & energy	5	2.7	2.3	2.1	5	2.6-2.7	2.1-2.2	2.0-2.1

Source: BofA Global Research, ECB staff projections

BofA GLOBAL RESEARCH

#### Exhibit 9: ECB projections – technical assumptions

Gas and oil prices are on average almost 10% below Dec forecasts

	Dec-23				Mar-24 (exp)			
	2023	2024	2025	2026	2023	2024	2025	2026
Oil (USD/barrel)	84	80.1	76.5	73.6	82.5	79.2	74.8	72.1
Gas (EUR/MWh)	42	47	44	37	41.4	29.4	30.8	28.6
USD/EUR	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
NEER (1999Q1=100)	121.9	123.5	123.5	123.5	122.3	123.1	123.1	123.1

Source: BofA Global Research, ECB staff projections

BofA GLOBAL RESEARCH

### Getting there on the new operational framework

A story from an ECB source out this week suggested consensus is slowly building on the new operational framework. A demand-driven framework seems to be the choice, with liquidity operations set, eventually, at market prices within a smaller corridor and, perhaps, a structural bond portfolio. The story lacks details on whether a new liquidity facility would be created and its potential maturity. It also suggests some national central banks are still pushing the idea of a higher minimum reserve requirement.

We don't think the ECB will be ready to unveil such a framework next week: key details are yet to be determined, according to the story, and those won't be easy to settle. We work on the assumption that there will be a new facility, hopefully with a maturity all the way to one year. That would facilitate a smooth transition from the current situation to one in which demand for liquidity for regulatory reasons can be met without heightened uncertainty. We also work on the assumption that the corridor will eventually (not necessarily immediately) be narrowed to 25bp. That would reduce the stigma of such a new facility.

Finally, as we have been flagging, changes to the minimum reserve requirement, if any (we don't have a strong view), would be likely to be small and one-offs, although we work on the assumption of no change.

# UK

**Agne Stengeryte, CFA**  
MLI (UK)

**Mark Capleton**  
MLI (UK)

**Kamal Sharma**  
MLI (UK)

**Ruben Segura-Cayuela**  
BofA Europe (Madrid)

**Alessandro Infelise Zhou**  
BofASE (France)

## UK Budget: Another heavy Gilt supply year

- The Chancellor did not deliver big surprises this week. We read this Budget as just marginally hawkish, if at all.
- Effective Gilt supply in 2024/25 will likely set a new record high. We remain comfortable being bearish UK rates.
- GBP should continue to find cyclical support in the months ahead against the backdrop of benign market conditions.

### No big news this week

The Chancellor did not deliver big surprises – the Budget was indeed slightly stimulative but still far from a blowout. The main announcement was another 2p cut in NI, the cost of which is partly financed through tax increases. In the projections, public services spending is largely unchanged and no longer grows in real per capita terms. These plans would be consistent with debt falling as a % of GDP in the coming years. But margins remain tight – OBR estimates just £9bn to spare.

### Marginally hawkish for the Bank of England

The OBR expects the tax cuts to provide a small/temporary boost to demand in the near term and then to drive a similar improvement to the supply side down the line. The extension of the fuel-duty freeze will probably help soften headline inflation in the near term, but the net impact of the stimulus on inflation should be slightly positive at the end of the horizon. Overall, this should not be a very big deal for the BoE – we read this Budget as just marginally hawkish, if at all.

### Small £6bn overfund in the current fiscal year

The DMO cut its CGNCR for the current fiscal year by £1.5bn to £149bn versus the November update. With NS&I rising £3.4bn more than anticipated in November and NS&I Green Savings bonds rising an additional £1bn, the NFR for the current fiscal year turned out to be £5.9bn lower, with the "overfund" carried over to the upcoming fiscal year 2024/25 (Exhibit 10).

### Net financing need to rise by £39bn in 2024/25

For 2024/25, the CGNCR is expected to amount to £142.8bn, £6.2bn lower than in 2023/24 and not far from our expectation of £145bn (see our report, [Budget preview: a bit more headroom](#), 1 March 2024). The £22.9bn rise in Gilt redemptions and £5.9bn carry-over from the current fiscal year versus -£24.6bn in 2023/24 mean that GFR will rise 35.4bn. The DMO's target of £9bn, to be raised via NS&I and £0.5bn via NS&I Green Savings Bonds, turned out slightly less than we had hoped for. Altogether, the NFR will rise by £38.8bn. Of that, planned gross Gilt issuance of £265.3bn next fiscal year will be £28bn higher than this year's £237.3bn. The £265.3bn is meaningfully higher than our own expectation of £240bn, largely because we had expected an ambitious increase in net T-bill sales.



### Gilt skew shorter, in line with expectations

Heading into the budget, we expected the Gilt issuance maturity split to mean fewer long and index-linked and more short- and (quite a lot more) medium-dated Gilts. The DMO did raise the share of medium-dated Gilts to 31% from 29% in 2023/24 and cut the share of long-dated Gilts from 22% to 18% and index-linked Gilts from 12% to 11% (Exhibit 11). For now, the share of short-dated Gilts is projected to be unchanged at 36%. But some of the 4% currently unallocated could raise the short-dated “bucket” slightly.

### Effective Gilt sales in 2024/25 – likely a new record high

£265.3bn of Gilt sales in 2024/25 will be the second-largest total for a fiscal year, with the £486bn raised in 2020/21 in first place (in 2020/21, however, the BoE was conducting QE, so the effective supply was much smaller). In the current fiscal year, the DMO will sell £237.3bn and BoE £32.1bn of Gilts, resulting in £269.4bn of effective Gilt supply. In 2024/25, the DMO alone will raise £265.3bn, just £4.1bn short of this year’s total from the DMO and BoE combined. While BoE’s QT plans from October 2024 are yet unknown, Dave Ramsden’s speech on 27 February highlighted that QT would not be constrained by liquidity requirements. Our assumption at this time is that BoE’s “active” QT will amount to at least £13bn from October 2024 (see our report, [Borrowed time – end of abundant reserves in sight for UK](#), 28 February 2024). It is therefore highly likely that effective Gilt sales in 2024/25 will become the new historical record high.

We also highlight changes in DMO’s IGFR projections (Exhibit 12), which were revised up by £23.7bn for 2025/26-2028/29. While revisions were not as dramatic as those observed in November (£+69bn), they do add to our list of UK macro vulnerabilities (to name but a few: the possibility of the whole current £735bn APF stock of Gilts unwinding – even if at a relatively slow pace of £100bn/year; the current account deficit; weak public sector balance sheet; large external liabilities; and a more structural inflation problem).

We remain comfortable being bearish UK rates, although we trimmed our positions tactically ahead of this week’s budget. The existing skew shorter in BoE Gilt sales and increasing skew shorter in DMO Gilt sales should continue posing cheapening pressures to shorter-dated Gilts relative to Sonia.

#### Exhibit 10: UK DMO Remit for fiscal years 2023/24 and 2024/25, £bn

Another heavy call on Gilt investors, tempered a little by skew shorter in maturity

	FY 2023/24 (DMO - Apr'23)		FY 2023/24 (DMO - Nov'23)		FY 2023/24 (DMO - Mar'24)		FY 2024/25 (DMO - Mar'24)	
CGNCR	159.5		150.5		149.0		142.8	
Redemptions	117.0		117.0		117.0		139.9	
Adj. from prev. FY	-24.6		-24.6		-24.6		-5.9	
<b>Gross Financing Req. (GFR)</b>	<b>251.9</b>		<b>242.9</b>		<b>241.4</b>		<b>276.8</b>	
Less:								
NS&I	7.5		7.5		10.9		9.0	
NS&I Green Savings Bonds					1.0		0.5	
Other financing	1.5		3.0		3.0		2.0	
<b>Net Financing Req. (NFR)</b>	<b>242.9</b>		<b>232.4</b>		<b>226.5</b>		<b>265.3</b>	
To be financed through:								
<b>Gilt sales, through:</b>	<b>237.8</b>		<b>237.3</b>		<b>237.3</b>		<b>265.3</b>	
Short	84.6	36%	86.6	36%	86.6	36%	95.3	36%
Medium	65.3	27%	68.3	29%	68.3	29%	82.1	31%
Long	49.7	21%	51.3	22%	53.0	22%	49.0	18%
Index-linked	26.2	11%	28.6	12%	28.6	12%	28.9	11%
Unallocated	12.0	5%	2.5	1%	0.8	0%	10.0	4%
<b>Net T-bill sales</b>	<b>5.0</b>		<b>-5.0</b>		<b>-5.0</b>		<b>0.0</b>	
<b>Total financing</b>	<b>242.8</b>		<b>232.3</b>		<b>232.3</b>		<b>265.3</b>	
DMO net cash position	2.3		2.3		8.2		2.3	

Source: Debt Management Office, BofA Global Research

BofA GLOBAL RESEARCH

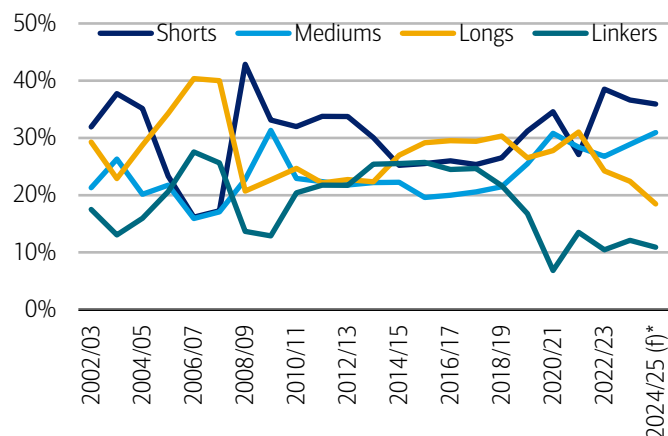
## FX: Cyclical support

The Budget has reinforced our view that GBP will continue to find cyclical support in the months ahead against the backdrop of benign market conditions. As discussed above, much of this week's announcement has been well trailed by the media and just as much as there were no "rabbits out of the hat", there were equally no negative surprises that could have destabilized either the Gilt market or GBP. Given that so little was priced into the vol market for the event, it is not surprising that GBP is not materially higher now that the Budget is behind us. What it has done has been to clear a hurdle and enable focus on the next major event.

The BoE should not be unduly impacted by this week's announcements, but a rise in the Minimum Wage in April may be more impactful. Combined with April seasonality, we have identified GBP/USD as one expression of a bullish GBP trade. In reality, GBP versus the low-beta currencies, such as CHF and JPY, are also to be considered. The Budget has, however, continued to expose GBP to the structural vulnerabilities of a precarious public finance backdrop. The government is walking a tightrope of balancing the books. The risks for slippage are material. For now, a benign vol environment and lack of focus on global public finances do not suggest immediate concern. But they likely will over the medium/long term.

### Exhibit 11: Past breakdown of DMO Gilt sales & 2024/25 projection, %

Share of shorts could rise further if some "unallocated" ends up in shorts



Source: Debt Management Office, BofA Global Research

BofA GLOBAL RESEARCH

### Exhibit 12: DMO's illustrative gross financing projections, £bn

2025/26 to 2028/29 projections raised by a total of £23.7bn

	DMO - Apr'23		DMO - Nov'23		DMO - Mar'24
2023/24	251.9	-9.0	242.9		
2024/25	270.8	+6.1	276.9		
2025/26	239.2	+30.5	269.7	+6.4	276.1
2026/27	176.9	+28.1	205	+9.9	214.9
2027/28	198.5	+13.3	211.8	+0.4	212.2
2028/29			233	+7.0	240

Source: Debt Management Office, BofA Global Research

BofA GLOBAL RESEARCH

# Asia

**Benson Wu**

Merrill Lynch (Hong Kong)

**Ting Him Ho, CFA**

Merrill Lynch (Hong Kong)

## A hawkish Fed may have contributed to a cautious BoK

**Complete report:** [Asia Economic Weekly: Korea: How may the Fed cycle impact the BoK this time around? 08 March 2024](#)

### BoK keeps its cautious stance in Feb meeting...

On Feb 22, the Bank of Korea (BoK) concluded the latest meeting with a cautious stance. As widely expected, it kept the policy rate unchanged at 3.5%, for the ninth straight meeting since Feb 2023. Although one member is now open to a rate cut, the rest of them are still in favor of holding rates in the next three months. In the statement and press conference, the committee highlights the elevated uncertainties surrounding the macro environment, notably inflation and external conditions, driving the BoK to keep a restrictive stance for a sufficiently long period of time.

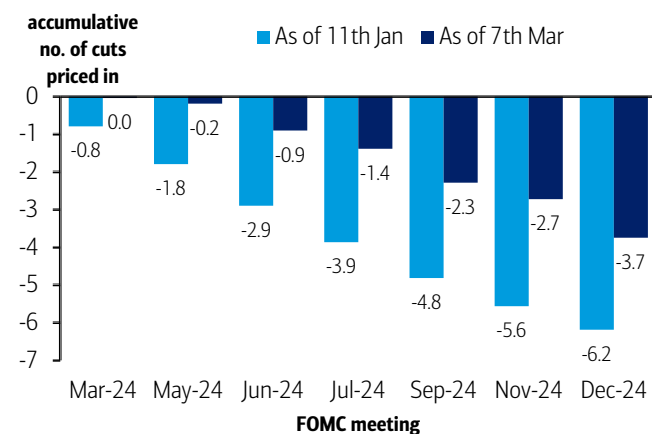
### ...amid weakening expectation of an early Fed cut

In addition to the uncertainties in the domestic conditions, the committee flags the hawkish Fed (which recently drove the US yields and USD higher) as one of the key policy concerns. Indeed, such concern was frequently discussed among members in previous BoK meetings (revealed by the Minutes). Admittedly, Fed narratives and market pricing turned rapidly in the past months to the stronger-than-expected economic data. After the general softer economic prints in Dec, both inflation and labor market data turned stronger than expected recently.

As a result, the market consensus on Fed rate cuts has sharply reversed, from a 100%-implied probability of a cut in May to only around 20% now (Exhibit 13). Our US economists believe a cut in March is now firmly off the table and the likelihood of a cut in May has also significantly reduced (see: [US Watch: January CPI Inflation: detour from disinflation](#)).

### Exhibit 13: Market pricing of Fed Fund Rates

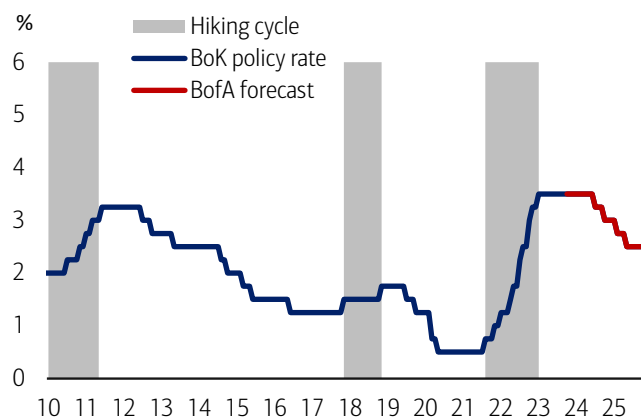
Market now prices in much less Fed cuts for 2024 after strong data



Source: Bloomberg, BofA Global Research  
BofA GLOBAL RESEARCH

### Exhibit 14: Policy rate forecast

We expect rate cut start in 3Q24 and reach 2.5% in 2Q25



Source: Haver, BofA Global Research estimates  
BofA GLOBAL RESEARCH

Will this relatively hawkish Fed tone affect the BoK's timing of easing? How have the past Fed easing cycles affected BoK monetary decisions? In this piece, we have reviewed and looked into the past six BoK easing cycles, and hope to shed light on the reaction function of the BoK under the current macro backdrop.

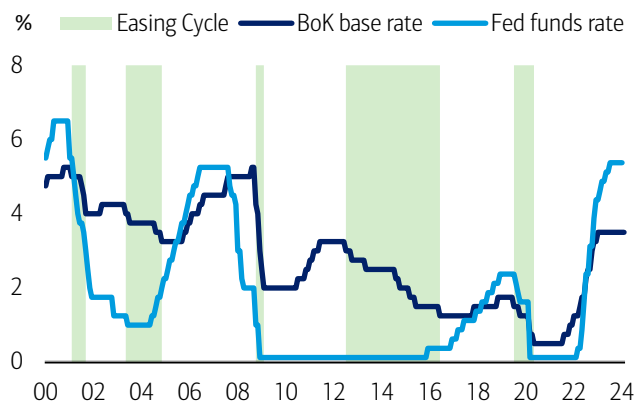
## Guidance from the history: easing cycles in Korea and US

Historically, the BoK moves cautiously, especially when it comes to changing its policy direction. Given the sharp repricing in the Fed policy path, a natural question for Korean watchers is how the Fed path would affect Korea's monetary policy decisions. Specifically, if the Fed decides to ease later rather than sooner (assume that in 3Q), would it also push the BoK to normalize later?

Apparently, if looking at the historical monetary cycles, the BoK cycle and Fed cycle have been closely linked (Exhibit 15), as well as the long-end rates (see also: [Korea treasury bonds – 'high-beta', yet favorable domestic backdrop](#)), one of the most Fed-sensitive rates in Asia. This is hardly surprising as Korea is a small and open economy, and any changes in the Fed funds rate would influence the rest through the capital flow and FX around the world, pushing these small and open economies to go in the same direction. In addition, the Fed's easing cycles have been leading BoK cycles on several occasions. This raised further questions on the BoK's autonomy from the most influential central bank in the world.

### Exhibit 15: Policy rates in Korea and the US

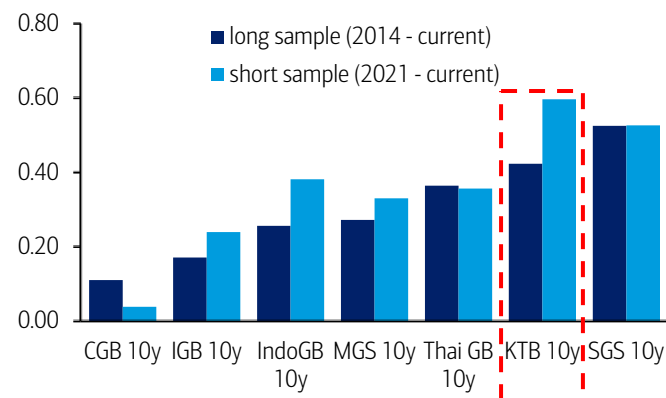
The Fed funds rates and BoK base rates exhibit strong positive correlation



Yet, we doubt if the high correlation represents causation (i.e. BoK follows Fed to cut). In the below section, we have examined each of the BoK easing cycle during the past two decades (six times in total) to assess the influence of Fed policy rates on BoK's decision. We look at the change in macro variables as well as the narratives from the BoK in each policy decision.

### Exhibit 16: EM Asia government bonds' beta coefficient on 10y UST

KTB has the highest sensitivity to changes in UST yields



# Emerging EMEA

Mai Doan  
MLI (UK)

## CEE – labour market not yet comforting

Complete report: [Emerging Insight: CEE – labour market not yet comforting 05 March 2024](#)

### ULC justifies concerns about sticky service inflation

The spike in Unit Labor Costs (ULC) across CEE after the pandemic has started to turn around, but other than Czechia, we struggle to see a major adjustment soon to levels consistent with the respective central banks' inflation targets. ULC per hour is running at 15% in Hungary and 11% in Poland, and 6.4% in Czechia. The pre-pandemic 10-year average of ULC growth was around 2% in all three countries, which helped anchor their services inflation during those years in a 2-3% range, around the inflation targets (Exhibit 20). Productivity growth has improved recently, but wages are likely the key problem to this adjustment process.

### Tight labour markets to sustain brisk wage growth

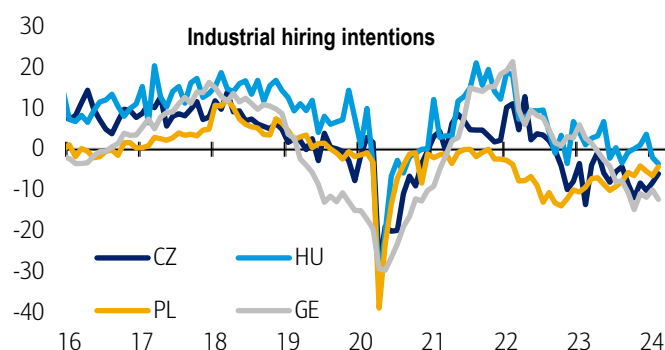
The economic slowdown last year has not led to any major loosening in the labour markets across the region. The Beveridge curve, which illustrates the relationship between vacancies and unemployment, reveals that the condition in Czechia is as tight as in 2017-18 when the CNB was on a full-on tightening cycle. In Poland, we observe that the (slight) loosening results more from a decline in vacancies rather than an adjustment in unemployment.

### Recovery to add to wage pressures in PL, followed by HU

A solid economic recovery supported by easy fiscal policies means that Polish firms will likely face more labour challenges, and thus more wage pressures than peers (Exhibit 19). Hiring intentions in Polish industries are already on a tentative uptrend vs sideways

#### Exhibit 17: CEE – industrial hiring intention

Poland seeing a tentative uptrend vs sideways elsewhere

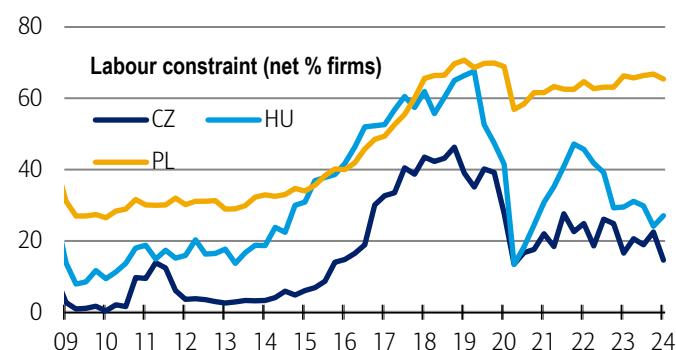


Source: European Commission, Haver

BofA GLOBAL RESEARCH

#### Exhibit 18: CEE – labour constraint to production

Polish firms seeing the most labour constraint



Source: European Commission, Haver

BofA GLOBAL RESEARCH

developments in other CEE and Germany (Exhibit 17). Poland is also the only country where labour constraints have been on a rising trend, with this factor being cited as limiting production for 65% of Polish firms, vs 27% in Hungary and 15% in Czechia as of 1Q'24 (Exhibit 18). Local business surveys further reveal that labour cost is the biggest factor limiting activity across all sub-sectors of the economy.

In Hungary, a pro-growth government with a preference for a 'high-pressure' economy and a preparation mode for the 2026 election implies that wage growth will also likely be well supported, likely staying in double-digit rates.



In Czechia, wage growth, currently around 6%, has scope to converge to levels that are seen by the CNB as neutral for the 2% inflation target, i.e. around 5%. But the labour market tightness likely means limited further downside from those levels. Indeed, Skoda Auto's wage negotiations, which is usually a benchmark for the rest of the economy, have settled for a 5% base salary increase this year.

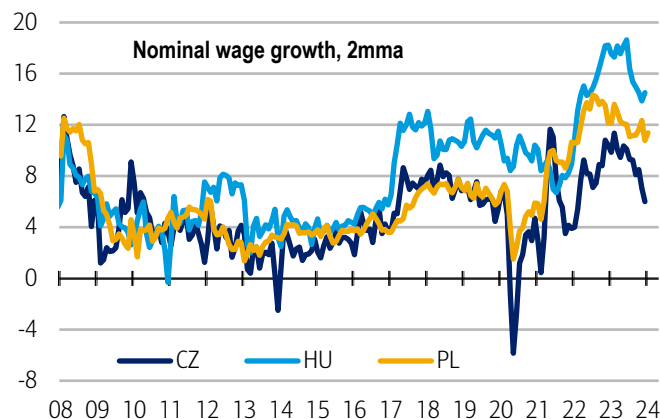
### Central banks better off on cautious side

The labour market situation and evidence of sticky service inflation justify the case for CEE central banks to err on the side of caution, and not advocating an ultimate move to sub-neutral policy rates. Service price disinflation in 3m/3m term has essentially stopped in all three countries (Exhibit 20). We heard on Tuesday a cautious turn from the CNB's most proactive/dovish member (Tomas Holub), pointing to service inflation inertia relating to brisk wage growth and housing market recovery. He thus advocates a "gradual and relatively careful" easing path, which is a shift from his previous call for bolder rate cuts by the CNB.

We thus remain comfortable with our call for the CNB to cut to (neutral level of) 3% by early 2025 from 6.25% currently (with a risk of faster cuts in the near term), the NBH to 5.5% by YE2024 from 9%, and NBP unchanged at 5.75% in 2024. The latter two are more sensitive to political influence, so the longer-term outlook is more uncertain. For now, we look for the NBH to end 2025 at 4.0% and the NBP at 4.75%.

#### Exhibit 19: CEE – wage growth (% yoy)

Hungary and Poland wage growth likely staying elevated

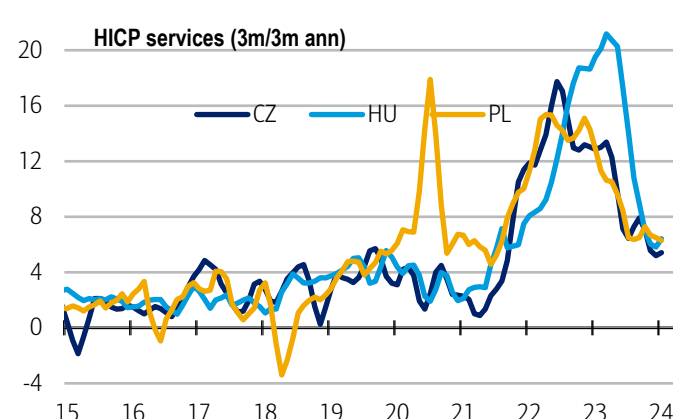


Source: Haver

BofA GLOBAL RESEARCH

#### Exhibit 20: CEE – service price momentum

Disinflation has essentially stopped in recent months



Source: Eurostat, Haver

BofA GLOBAL RESEARCH

# Latin America

**Carlos Capistran**  
BofAS

## Mexico: Headline inflation fell again, this could be enough for Banxico to cut

- Headline inflation fell in February to 4.4% yoy from 4.9% in January, as non-core gave in after three consecutive increases. Core inflation fell further and is now at 4.6%, though services inflation re-accelerated. We update our inflation forecasts.
- A broad-based fall in headline supports further BANXICO's intentions to cut in March. We expect a 25bp cut on March 21.

**Complete report:** [Mexico Watch: Headline inflation fell again, this could be enough for Banxico to cut 07 March 2024](#)

### Headline fell helped by agricultural prices

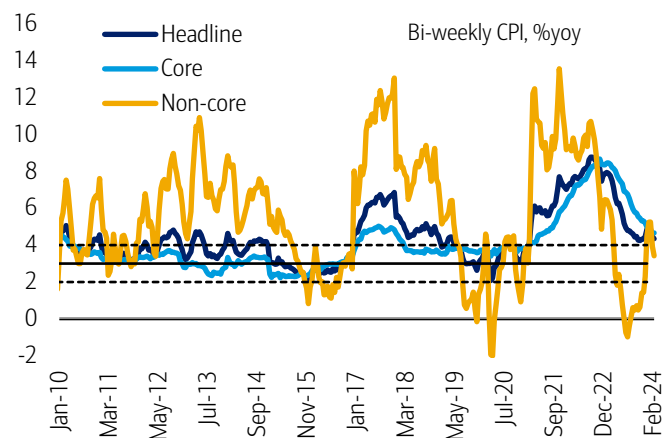
Headline inflation was slightly below expectations in February at 0.09% mom nsa (E. 0.12%, BofA 0.10%). The main downward contributor was non-core inflation at -1.10% mom sa, on the back of fruits and vegetables at -8.43% mom nsa (tomato at -41.79%), and livestock at -0.75% mom nsa (poultry at -1.42%). In annual terms, headline inflation fell for the first time in four months to 4.40% yoy from 4.88% a month ago (Exhibit 21).

### Core inflation decreased further and is now close to 4.5%

Core inflation was slightly above expectations at 0.49% mom nsa (E. 0.48%, BofA 0.47%). By components, merchandise inflation increased 0.40% mom nsa (driven by food merchandise) and services inflation increased by 0.61% mom nsa (due to services excl. housing and education). In annual terms, core inflation fell further and is now at 4.64% yoy, down from 4.76% in January. Merchandise inflation fell to 4.11% yoy from 4.37% a month ago, however, services inflation accelerated to 5.30% yoy from 5.25% a month ago (Exhibit 22). Our measure of domestic core inflation fell slightly to 4.38% yoy from 4.43% yoy a month ago (Exhibit 24).

#### Exhibit 21: Headline, core, and non-core inflation (%yoy)

Headline's fall is mainly due to the fall in non-core

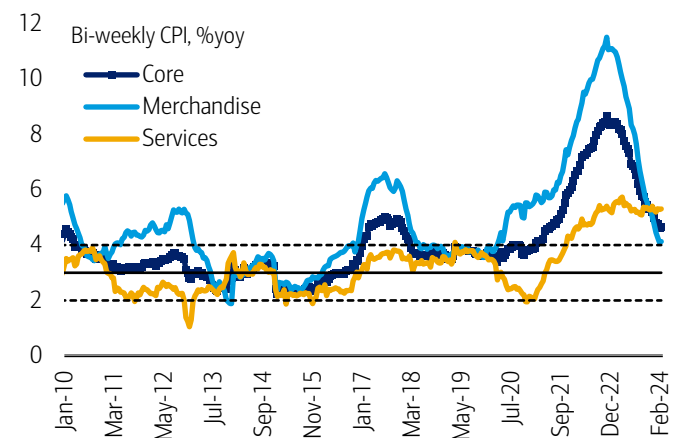


Source: BofA Global Research, INEGI

BofA GLOBAL RESEARCH

#### Exhibit 22: Bi-weekly core inflation (%yoy)

The fall in core is still fueled by merchandises, since services remain sticky



Source: BofA Global Research, INEGI

BofA GLOBAL RESEARCH

### We update our forecasts based on a drop in headline

We revise our inflation forecasts to incorporate February's sharp drop in headline inflation (driven by non-core, which is always very volatile). Our headline inflation for

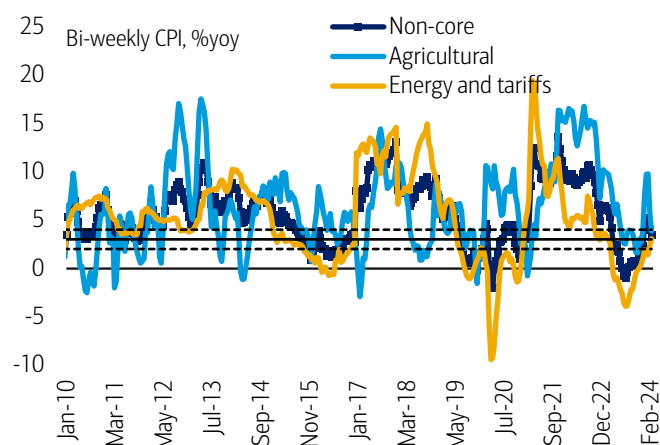
end-2024 is now at 4.5% yoy, down from 4.9% before, while core inflation is now at 4.5% yoy from 4.4%, as core was slightly above expectations in February. For 2025, our headline and core forecasts remain unchanged. We see upside risks to non-core as a drought continues in Mexico ([see report: here](#)). We see upside risks to core inflation as the labor market remains tight and the economy seems to be accelerating in 1H 2024.

### Banxico: February's print enough for Banxico to cut

We believe February's print gives Banxico more confidence to cut 25bp in March. Headline is now below 4.5% and core is below 5.0% and trending down. In addition, the economy decelerated in 4Q ([see report: here](#)), and inflation expectations fell (12-months ahead). So, we maintain our call for a 25bp cut in March as our baseline, as Banxico seems ready to cut, but with risks skewed to a delay to May. Notice that the labor market remains tight (year-to-date 265k jobs have been created in Mexico, the fourth highest in historical comparable periods), and services inflation accelerated.

#### Exhibit 23: Bi-weekly non-core inflation (%yoy)

Agricultural goods inflation fell and explain most of the lower non-core

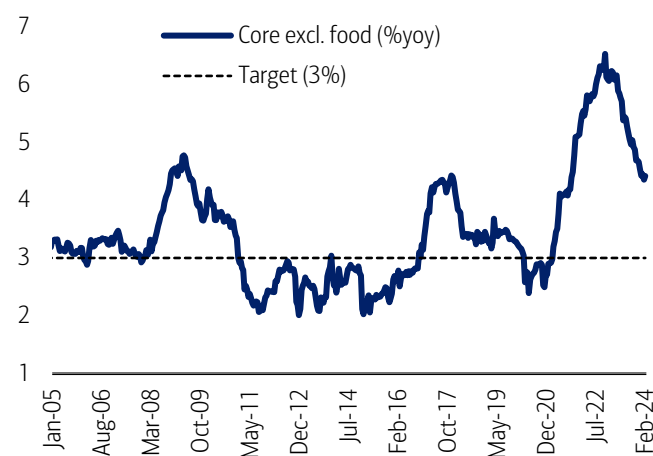


Source: BofA Global Research, INEGI

BofA GLOBAL RESEARCH

#### Exhibit 24: Bi-weekly core inflation excl. food (%yoy)

Core inflation excl. food remained at 4.4% in February, showing resistance



Source: BofA Global Research, INEGI

BofA GLOBAL RESEARCH

# Key forecasts

## Exhibit 25: Economic forecasts

GDP growth, inflation and policy rate forecasts for the major economies

### Economic forecasts

	2023Q1	2023Q2	2023Q3	2023Q4	2024Q1	2024Q2	2024Q3	2024Q4	2022	2023F	2024F	2025F
Global and Regional Aggregates, %												
United States												
Real GDP growth <sup>1</sup>	2.2	2.1	4.9	<b>3.2</b>	<b>2.5</b>	<b>2.0</b>	<b>2.0</b>	<b>2.0</b>	1.9	<b>2.5</b>	<b>2.7</b>	<b>1.9</b>
CPI inflation	5.8	4.0	3.6	<b>3.2</b>	<b>3.2</b>	<b>3.4</b>	<b>3.1</b>	<b>2.9</b>	8.0	<b>4.1</b>	<b>3.2</b>	<b>2.5</b>
Policy Rate (EoP)	4.88	5.13	5.38	<b>5.38</b>	<b>5.38</b>	<b>5.13</b>	<b>4.88</b>	<b>4.63</b>	4.38	<b>5.38</b>	<b>4.63</b>	<b>3.63</b>
Euro area												
Real GDP growth <sup>1</sup>	0.4	0.5	-0.5	<b>0.2</b>	<b>0.1</b>	<b>0.8</b>	<b>0.9</b>	<b>1.2</b>	3.4	<b>0.5</b>	<b>0.4</b>	<b>1.1</b>
CPI inflation	8.0	6.2	5.0	<b>2.7</b>	<b>2.7</b>	<b>2.5</b>	<b>2.1</b>	<b>1.9</b>	8.4	<b>5.5</b>	<b>2.3</b>	<b>1.4</b>
Policy Rate (EoP)	3.00	3.50	4.00	<b>4.00</b>	<b>4.00</b>	<b>3.75</b>	<b>3.50</b>	<b>3.25</b>	2.00	<b>4.00</b>	<b>3.25</b>	<b>2.00</b>
China												
Real GDP growth <sup>2</sup>	4.5	6.3	4.9	<b>5.2</b>	<b>4.3</b>	<b>5.0</b>	<b>4.8</b>	<b>5.0</b>	3.0	<b>5.2</b>	<b>4.8</b>	<b>4.6</b>
CPI inflation <sup>3</sup>	1.3	0.1	-0.1	<b>-0.3</b>	<b>0.1</b>	<b>0.5</b>	<b>0.9</b>	<b>1.7</b>	2.0	<b>0.4</b>	<b>0.8</b>	<b>1.7</b>
Policy Rate (EoP)	3.65	3.55	3.45	<b>3.45</b>	<b>3.45</b>	<b>3.45</b>	<b>3.30</b>	<b>3.00</b>	3.65	<b>3.45</b>	<b>3.00</b>	<b>2.90</b>
Japan												
Real GDP growth <sup>1</sup>	4.4	4.0	-3.3	<b>-0.4</b>	<b>-3.7</b>	<b>5.6</b>	<b>3.0</b>	<b>1.0</b>	1.0	<b>1.9</b>	<b>0.3</b>	<b>1.4</b>
CPI inflation	3.6	3.4	3.1	<b>2.9</b>	<b>2.5</b>	<b>2.5</b>	<b>2.6</b>	<b>2.2</b>	2.5	<b>3.3</b>	<b>2.5</b>	<b>1.9</b>
Policy Rate (EoP)	-0.10	-0.10	-0.10	<b>-0.10</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.25</b>	-0.10	<b>-0.10</b>	<b>0.25</b>	<b>0.5</b>
Global Aggregate <sup>4</sup>												
Real GDP growth									3.5	<b>3.0</b>	<b>2.9</b>	<b>3.2</b>
CPI inflation									6.0	<b>4.2</b>	<b>2.9</b>	<b>2.7</b>
Policy Rate (EoP)									4.5	<b>5.2</b>	<b>4.7</b>	<b>4.0</b>
Emerging Markets Aggregate <sup>4</sup>												
Real GDP growth									4.2	<b>4.1</b>	<b>4.0</b>	<b>4.3</b>
Real GDP growth (ex-China)									4.9	<b>3.5</b>	<b>3.5</b>	<b>4.2</b>
CPI inflation									4.8	<b>3.8</b>	<b>3.1</b>	<b>3.2</b>
Policy Rate (EoP)									5.7	<b>5.9</b>	<b>5.4</b>	<b>5.0</b>

Note: Bold values correspond to forecasted data. Notes: 1. Quarterly values are % q/q annualized | 2. Quarterly values are % y/y. | 3. Quarterly values are period averages. | 4. Due to reporting limitations, Global and EM aggregate are annual only. **Source:** BofA Global Research

BofA GLOBAL RESEARCH

## Exhibit 26: Markets forecasts

Forecasts for FX, interest rates, commodities and equities

### Markets forecasts

	spot	2024Q1	2024Q2	2024Q3	2024Q4	2025Q1
Exchange Rates (EoP)						
EUR/USD	1.09	<b>1.07</b>	<b>1.10</b>	<b>1.12</b>	<b>1.15</b>	<b>1.16</b>
USD/JPY	147.9	<b>145</b>	<b>143</b>	<b>142</b>	<b>142</b>	<b>140</b>
USD/CNY	7.19	<b>7.45</b>	<b>7.40</b>	<b>7.10</b>	<b>6.90</b>	<b>6.90</b>
GBP/USD	1.28	<b>1.26</b>	<b>1.31</b>	<b>1.33</b>	<b>1.37</b>	<b>1.36</b>
Interest rates (% EoP)						
US 10yr	4.08	<b>4.40</b>	<b>4.30</b>	<b>4.25</b>	<b>4.25</b>	<b>NA</b>
Bunds 10yr	2.31	<b>2.45</b>	<b>2.35</b>	<b>2.25</b>	<b>2.10</b>	<b>NA</b>
Japan 10yr	0.73	<b>0.70</b>	<b>0.85</b>	<b>0.95</b>	<b>1.05</b>	<b>1.05</b>
Commodities <sup>1</sup>						
Oil - Brent (\$/bbl)	83.4	<b>78.0</b>	<b>80.0</b>	<b>82.0</b>	<b>80.0</b>	<b>NA</b>
Oil - WTI (\$/bbl)	78.9	<b>73.0</b>	<b>75.0</b>	<b>77.0</b>	<b>75.0</b>	<b>NA</b>
Gold (\$/oz)	2160.0	<b>1950</b>	<b>1950</b>	<b>2000</b>	<b>2000</b>	<b>2100</b>
Equities (EoP)						
S&P 500	5157				<b>5000</b>	
Stoxx 600	503				<b>410</b>	

Note: Bold values correspond to forecasted data. Notes: 1. All values are EoP, except for gold forecasts, which are period averages. **Source:** BofA Global Research

BofA GLOBAL RESEARCH

# Detailed forecasts

## Global economic forecasts

### Exhibit 27: Global Economic Forecasts

Global GDP growth expected at 2.9% in 2024

	GDP growth, %				CPI inflation*, %				Short term interest rates**, %			
	2022F	2023F	2024F	2025F	2022F	2023F	2024F	2025F	Current	2023F	2024F	2025F
<b>Global and regional aggregates</b>												
Global	3.5	3.0	2.9	3.2	6.0	4.2	2.9	2.7	6.08	5.20	4.66	4.02
Global ex US	3.9	3.1	2.9	3.5	5.5	4.2	2.9	2.8	6.24	5.16	4.67	4.11
Global ex China	3.7	2.4	2.4	2.8	7.0	5.2	3.5	3.0	6.80	5.71	5.15	4.36
Developed Markets	2.6	1.5	1.4	1.5	7.5	4.7	2.7	2.0	4.21	4.27	3.65	2.71
Emerging Markets	4.2	4.1	4.0	4.3	4.8	3.8	3.1	3.2	7.56	5.93	5.42	4.99
Emerging Markets ex China	4.9	3.5	3.5	4.2	6.5	5.8	4.4	4.1	10.09	7.58	7.04	6.38
Europe, Middle East and Africa (EMEA)	3.9	1.0	1.1	2.1	8.0	7.0	4.3	3.3	9.23	5.85	5.61	4.46
European Union	3.0	0.6	0.8	1.6	9.2	6.5	2.6	1.8	4.35	4.39	3.57	2.36
Emerging EMEA	4.6	2.1	2.5	4.0	7.6	9.3	7.7	6.3	18.91	9.98	10.71	9.60
Emerging Asia	4.2	5.0	4.8	4.8	3.6	2.3	1.9	2.4	4.28	4.38	3.98	3.76
ASEAN	5.8	4.2	4.7	4.9	4.6	3.6	1.5	2.7	4.89	4.92	4.39	3.86
Latin America	4.1	2.1	1.5	2.3	7.7	5.0	3.6	3.4	10.69	10.88	8.59	7.66
<b>G6</b>												
US	1.9	2.5	2.7	1.9	8.0	4.1	3.2	2.5	5.38	5.38	4.63	3.63
Euro area	3.4	0.5	0.4	1.1	8.4	5.5	2.3	1.4	4.00	4.00	3.25	2.00
Japan	1.0	1.9	0.3	1.4	2.5	3.3	2.5	1.9	-0.10	-0.10	0.25	0.50
UK	4.3	0.1	0.3	0.8	9.1	7.3	2.4	2.3	5.25	5.25	4.75	3.75
Canada	3.8	1.1	1.3	2.4	6.8	3.9	2.5	2.1	5.00	5.00	3.75	3.00
Australia	3.6	1.8	1.4	2.0	6.6	5.7	3.4	2.9	4.35	4.35	4.35	3.50
<b>Euro area</b>												
Germany	1.9	-0.1	-0.2	0.9	8.6	6.1	2.7	1.4	4.00	4.00	3.25	2.00
France	2.5	0.8	0.7	1.3	5.9	5.7	2.9	2.0	4.00	4.00	3.25	2.00
Italy	3.9	0.7	0.5	1.1	8.7	6.0	1.8	1.5	4.00	4.00	3.25	2.00
Spain	5.8	2.4	1.3	1.5	8.3	3.4	2.6	1.1	4.00	4.00	3.25	2.00
Netherlands	4.4	0.0	0.3	1.1	11.6	4.1	1.7	1.6	4.00	4.00	3.25	2.00
Belgium	3.0	1.4	0.9	1.2	10.3	2.2	1.5	1.7	4.00	4.00	3.25	2.00
Austria	4.8	-0.7	0.0	1.5	8.6	7.7	2.7	2.1	4.00	4.00	3.25	2.00
Greece	5.7	2.0	1.1	1.7	9.3	4.2	2.0	1.7	4.00	4.00	3.25	2.00
Portugal	6.8	2.2	1.0	1.4	8.1	5.4	2.5	1.1	4.00	4.00	3.25	2.00
Ireland	9.5	-1.4	2.7	2.0	8.1	5.8	2.9	1.6	4.00	4.00	3.25	2.00
Finland	1.6	-0.4	0.2	1.0	7.2	4.3	0.9	1.2	4.00	4.00	3.25	2.00
<b>Other developed economies</b>												
New Zealand	2.5	1.2	0.8	2.0	7.2	5.8	3.0	2.5	5.50	5.50	3.75	3.00
Switzerland	2.7	0.9	1.1	1.2	2.8	2.2	1.3	1.2	-0.75	1.75	1.25	0.50
Norway	3.7	1.1	0.4	1.2	6.2	5.3	3.7	2.8	4.50	4.50	4.00	2.75
Sweden	3.0	-0.3	-0.4	1.1	8.1	8.5	2.5	1.6	4.00	4.00	3.25	2.00
<b>Emerging Asia</b>												
China	3.0	5.2	4.8	4.6	2.0	0.4	0.8	1.7	3.45	3.45	3.00	2.90
India	6.7	6.5	5.7	6.0	6.7	5.6	4.7	4.3	6.50	6.75	6.50	6.25
Indonesia	5.3	5.0	5.1	5.2	4.2	3.7	2.8	2.8	6.00	6.00	5.25	4.25
Korea	2.6	1.4	2.3	2.5	5.1	3.6	2.3	2.0	3.50	3.50	3.00	2.50
Taiwan	2.6	1.4	3.2	2.3	2.9	2.5	2.0	1.5	1.88	1.88	1.88	1.88
Thailand	2.7	1.8	2.6	2.8	6.1	1.6	0.8	0.9	2.50	2.50	2.00	1.75
Malaysia	8.7	3.7	4.4	4.8	3.4	2.5	2.0	2.5	3.00	3.00	3.00	3.00
Philippines	7.6	5.6	5.4	5.5	5.8	6.0	3.3	3.1	6.50	6.50	5.50	4.50
Singapore	3.6	1.1	2.6	2.6	6.1	4.8	2.8	2.3				
Hong Kong	-3.5	3.2	2.1	2.4	1.9	2.1	2.0	1.9	4.68	5.75	5.00	4.00
Vietnam	8.0	5.0	6.2	6.8	3.2	3.4	3.8	4.1	4.50	4.50	4.50	5.00

Source: BofA Global Research

BofA GLOBAL RESEARCH

**Exhibit 28: Global Economic Forecasts (continued)**

Global GDP growth expected at 2.9% in 2024

	GDP growth, %					CPI inflation*, %			Short term interest rates**, %				
	2022F	2023F	2024F	2025F		2022F	2023F	2024F	2025F	Current	2023F	2024F	2025F
Latin America													
Brazil	2.9	3.0	2.2	2.5	9.3	4.6	3.8	3.7	11.25	11.75	9.50	9.50	
Mexico	3.9	3.2	1.8	1.0	7.9	5.5	4.5	4.4	11.25	11.25	9.25	7.50	
Argentina	5.2	-1.6	-3.5	3.5	72.4	133.5	283.2	152.9	100.00	100.00	60.00	55.00	
Colombia	7.3	0.6	1.4	2.8	10.2	11.8	6.4	4.0	12.75	13.00	9.50	6.00	
Chile	2.4	0.1	2.2	2.0	11.6	7.3	3.2	3.0	7.25	8.25	5.00	4.75	
Peru	2.7	-0.6	2.5	2.9	7.9	6.3	2.3	2.5	6.25	6.75	4.00	4.00	
Ecuador	6.2	2.7	1.0	2.4	3.7	1.3	1.7	2.1					
Uruguay	4.9	1.1	3.3	2.0	8.3	5.1	5.4	5.5					
Costa Rica	4.6	5.1	4.2	3.8	7.9	-1.8	2.3	3.0	5.75	6.00	5.00	5.00	
Dominican Republic	4.9	2.4	5.3	5.0	7.8	3.6	4.2	4.9	7.00	7.00	6.25	6.00	
Panama	10.8	6.0	2.0	3.6	2.1	1.9	1.7	1.5					
El Salvador	2.6	2.8	2.7	2.8	7.3	1.2	1.9	1.4					
Guatemala	4.1	3.5	3.5	4.0	9.2	4.2	3.9	4.3	5.00	5.00	4.25	4.25	
EEMEA													
Türkiye	5.6	4.3	3.4	4.6	72.0	53.4	56.9	29.3	45.00	42.50	45.00	30.00	
Nigeria	3.3	2.5	3.1	3.1	18.8	24.5	24.0	15.0	22.75	18.75	25.00	20.00	
Egypt	6.7	3.8	2.5	3.8	8.5	24.4	29.0	25.0	21.75	18.25	22.25	23.25	
Poland	5.5	0.0	3.0	3.5	14.3	11.6	4.1	4.8	5.75	5.75	5.75	4.75	
South Africa	1.9	0.5	1.3	1.5	6.9	5.9	5.0	4.6	8.25	8.25	7.50	7.00	
Romania	4.6	1.9	3.0	3.7	13.7	10.5	5.6	4.0	7.00	7.00	6.25	5.25	
Czech Republic	2.4	-0.4	1.0	2.6	15.1	10.7	2.1	1.9	6.25	6.75	3.50	3.00	
Israel	6.5	2.0	2.3	3.4	4.4	4.2	2.5	2.2	4.50	4.75	3.50	2.20	
Hungary	4.6	-0.8	2.8	3.0	14.6	17.1	4.0	3.9	9.00	10.75	5.50	4.00	
Saudi Arabia	8.7	-0.9	0.1	4.5	2.5	2.6	2.2	2.1	5.50	6.00	5.25	4.25	
Ukraine	-29.1	6.3	4.5	8.0	20.0	13.4	7.0	8.0	15.00	15.00	14.00	13.00	

Source: BofA Global Research

BofA GLOBAL RESEARCH

**Exhibit 29: Real GDP growth, qoq annualized %**

Global GDP growth expected at 2.9% in 2024

	1Q 2023	2Q 2023	3Q 2023	4Q 2023	1Q 2024	2Q 2024	3Q 2024	4Q 2024	2023	2024	2025
<b>Developed Markets</b>											
United States	2.2	2.1	4.9	3.2	2.5	2.0	2.0	2.0	2.5	2.7	1.9
Euro Area	0.4	0.5	-0.5	0.2	0.1	0.8	0.9	1.2	0.5	0.4	1.1
Japan	4.4	4.0	-3.3	-0.4	-3.7	5.6	3.0	1.0	1.1	1.3	1.2
United Kingdom	0.9	0.0	-0.5	-1.4	0.6	1.0	1.4	1.2	0.1	0.3	0.8
Canada	2.6	0.6	-0.5	1.0	1.8	1.7	2.1	2.3	1.1	1.3	2.4
Australia	-	-	-	-	-	-	-	-	1.8	1.4	2.0
G6 Aggregate	1.8	1.6	1.5	1.3	0.8	1.9	1.7	1.5	1.5	1.5	1.5
<b>Emerging Markets</b>											
China	8.7	2.4	6.1	4.1	4.8	5.1	5.2	4.8	5.2	4.8	4.6
Indonesia	6.0	5.2	2.9	4.1	5.7	7.0	3.6	4.1	5.0	5.1	5.2
Korea, Republic Of (South)	1.3	2.5	2.4	3.0	0.4	3.2	2.7	3.1	1.4	2.3	2.5
Thailand	6.6	0.9	2.4	-2.3	3.5	4.4	7.0	3.9	1.8	2.6	2.8
Singapore	-1.4	0.3	5.3	7.0	-3.9	3.2	3.6	4.1	1.1	2.6	2.6
Hong Kong	21.5	-3.5	1.9	2.0	7.7	-1.7	2.8	4.9	3.2	2.1	2.4
Brazil	7.5	7.5	1.1	0.1	5.8	0.8	2.2	1.1	3.0	2.2	2.5
Mexico	3.3	3.4	4.3	0.3	2.4	1.4	0.8	-0.2	3.2	1.8	1.0
Colombia	9.2	-4.1	1.4	0.1	2.0	2.4	2.8	2.8	0.6	1.4	2.8
Chile	0.2	1.6	1.3	2.1	2.7	3.3	2.5	1.9	0.1	2.2	2.0
Peru	-5.2	1.3	0.6	2.1	3.6	2.4	2.8	2.8	-0.6	2.5	2.9
Türkiye	-1.0	13.9	1.1	0.0	5.7	2.8	3.0	3.0	4.3	3.4	4.6
South Africa	-1.9	0.7	0.7	0.8	1.8	1.8	2.0	2.0	0.5	1.3	1.5

Source: BofA Global Research

BofA GLOBAL RESEARCH

## Monetary policy forecasts

### Exhibit 30: Key meeting dates and expected rate change (bp)

End of period

	Current	24-Jan	24-Feb	24-Mar	24-Apr	24-May	24-Jun
<b>Developed Markets</b>							
Fed	5.25	31st (unch)	-	20th (unch)	-	1st (unch)	12th (-25bp)
ECB	4.50	25th (unch)		7th (unch)	11th (unch)		6th (-25bp)
BoJ	-0.10	23rd (unch)		19th (unch)	26 (+10bp)		14th (unch)
BoE	5.25		1st (unch)	21st (unch)		9th (unch)	20th (unch)
BoC	5.00	24th (unch)	-	6th (unch)	10th (unch)	-	5th (-25bp)
Riksbank	4.00		1st (unch)	27th (unch)		8th (unch)	27th (-25bp)
SNB	1.75			21st (unch)			20th (unch)
Norges Bank	4.50	25th (unch)		21st (unch)		3rd (unch)	20th (unch)
RBA	4.35		5-6 (unch)	18-19 (unch)		6-7(unch)	17-18(unch)
RBNZ	5.50		28th (unch)		10th (-25bp)	22th(-25bp)	
<b>Emerging Asia</b>							
China (lending rate)	3.45	19th (unch)	19th (unch)	19th (unch)	19th (unch)	19th (unch)	19th (unch)
Req. res. ratio*	10.00	-	-	-	-	-	-
India**	6.75	-	8th (unch)	-	-	-	-
Repo rate	6.50	-	-	-	-	-	-
Cash res. ratio	4.50	-	-	-	-	-	-
Korea	3.50	11th (unch)	22nd (unch)	-	12th (unch)	23rd (-25bp)	-
Indonesia	6.00	Unch	Unch	Unch	Unch	Unch	-25bp
Taiwan	1.88	-	-	21st (unch)	-	-	20th (unch)
Thailand	2.50	-	7th (unch)	-	10th (unch)	-	12th (unch)
Malaysia	3.00	13th (unch)	23rd (unch)	-	12th (unch)	24th (unch)	-
Philippines	6.50	-	Unch	Unch	-	Unch	-25bp
<b>Latin America</b>							
Brazil	11.25	(-50bp)		20th (-50bp)		8th (-50bp)	19th (-50bp)
Chile	7.25	(-100bp)			2nd (-25bp)	23rd (-25bp)	18th (-25bp)
Colombia	12.75	(-25bp)	-	(-25bp)	(-25bp)	-	(-50bp)
Mexico	11.25	-	(unch)	21st (-25bp)	-	9th (-25bp)	27th (-25bp)
Peru	6.25	(unch)	(-25bp)	(unch)	(-25bp)	(unch)	(-25bp)
<b>Emerging EMEA</b>							
Czech Republic	6.25		08th (-25bp)	20th (-25bp)		02nd (-50bp)	27th (-50bp)
Hungary	9.00	(-50bp)	(-50bp)	(-50bp)	(-50bp)	(-50bp)	(-50bp)
Israel	4.50	1st(unch)	26th(unch)	-	8th(unch)	27th(-50)	-
Poland	5.75	(unch)	(unch)	(unch)	(unch)	(unch)	(unch)
Romania	7.00	(unch)	(unch)		(unch)	(-25bp)	
South Africa	8.25	25th (unch)	-	21st (unch)	-	23rd(unch)	-
Türkiye	45.00	(unch)	(unch)	(unch)	25th(+500bp)	(unch)	

Note: Bolded data are expectations in basis points. "—" denotes no meeting. TBA: MPC meeting not yet set. \*Major five banks. \*\*Reverse repo rate.

Source: BofA Global Research, Central Banks

BofA GLOBAL RESEARCH

## FX, rates and commodity forecasts

### Exhibit 31: Quarterly forecasts

End of period

	Spot	23-Dec	24-Mar	24-Jun	24-Sep	24-Dec
<b>FX forecasts</b>						
G6						
EUR-USD	1.09	1.05	1.07	1.10	1.12	1.15
USD-JPY	148	153	145	143	142	142
EUR-JPY	162	161	155	157	159	163
GBP-USD	1.28	1.21	1.26	1.31	1.33	1.37
USD-CAD	1.35	1.36	1.35	1.34	1.32	1.30
AUD-USD	0.66	0.64	0.66	0.68	0.71	0.71
Asia						
USD-CNY	7.19	7.40	7.45	7.40	7.10	6.90
USD-INR	82.79	83.00	83.00	82.50	82.00	82.00
USD-IDR	15653	15500	15600	15500	15300	15200
USD-KRW	1331	1300	1325	1300	1265	1230
Latin America						
USD-BRL	4.94	4.85	4.90	4.88	4.80	4.75
USD-MXN	16.88	16.97	17.80	18.00	18.30	18.50
Emerging Europe						
EUR-PLN	4.30	4.34	4.30	4.25	4.23	4.20
USD-RUB	118.69	89.47	76.00	77.00	78.00	80.00
USD-TRY	31.93	29.53	32.00	35.00	37.00	40.00
USD-ZAR	18.69	18.36	19.00	19.20	18.50	18.00
<b>Rates forecasts</b>						
US 10-year	4.08	4.50	4.40	4.30	4.25	4.25
Germany 10-year	2.31	2.70	2.45	2.35	2.25	
Japan 10-year	0.73	0.61	0.70	0.85	0.95	1.05
UK 10-year	4.00		4.00	4.00	4.00	4.00
Canada 10-year	3.36	3.75	3.70	3.65	3.65	3.60
<b>Commodities forecasts</b>						
WTI Crude Oil - \$/bbl	78.93	82.00	73.00	75.00	77.00	75.00
Brent Crude Oil - \$/bbl	83.42	86.00	78.00	80.00	82.00	80.00
Gold \$/oz	2159.11	1900.00	1950.00	1950.00	2000.00	2000.00

Notes: Spot exchange rate as of day of publishing. The left of the currency pair is the denominator of the exchange rate. Currency forecasts are for end of period

Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH



# Disclosures

## Important Disclosures

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

## Other Important Disclosures

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

Individuals identified as economists do not function as research analysts under U.S. law and reports prepared by them are not research reports under applicable U.S. rules and regulations.

Macroeconomic analysis is considered investment research for purposes of distribution in the U.K. under the rules of the Financial Conduct Authority.

Refer to [BofA Global Research policies relating to conflicts of interest](#).

**"BofA Securities" includes BofA Securities, Inc. ("BofAS") and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BofA Securities" is a global brand for BofA Global Research.**

### Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at [www.bofam.com/BofASEdisclaimer](http://www.bofam.com/BofASEdisclaimer); BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSF); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSF; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the [Electronic Communications Disclaimers](#) for further information.

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

### General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities.

This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives,



financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in such securities and instruments effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information.

In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

#### Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities.

Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public information. Facts and views presented in this material that relate to any such proceedings have not been reviewed by, discussed with, and may not reflect information known to, professionals in other business areas of BofA Securities in connection with the legal proceedings or matters relevant to such proceedings.

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

# Research Analysts

## Global Economics

**Claudio Irigoyen**  
Global Economist  
BofAS  
[claudio.irigoyen@bofa.com](mailto:claudio.irigoyen@bofa.com)

**Antonio Gabriel**  
Global Economist  
BofAS  
[antonio.gabriel@bofa.com](mailto:antonio.gabriel@bofa.com)

## North America Economics

**Michael Gapen**  
US Economist  
BofAS  
[michael.gapen@bofa.com](mailto:michael.gapen@bofa.com)

**Aditya Bhawe**  
US Economist  
BofAS  
[aditya.bhave@bofa.com](mailto:aditya.bhave@bofa.com)

**Stephen Juneau**  
US Economist  
BofAS  
[stephen.juneau@bofa.com](mailto:stephen.juneau@bofa.com)

**Shruti Mishra**  
US and Global Economist  
BofAS  
[smishra44@bofa.com](mailto:smishra44@bofa.com)

**Jeseo Park**  
US Economist  
BofAS  
[jeseo.park@bofa.com](mailto:jeseo.park@bofa.com)

## Developed Europe Economics

**Ruben Segura-Cayuela**  
Europe Economist  
BofA Europe (Madrid)  
[ruben.segura-cayuela@bofa.com](mailto:ruben.segura-cayuela@bofa.com)

**Evelyn Herrmann**  
Europe Economist  
BofASE (France)  
[evelyn.herrmann@bofa.com](mailto:evelyn.herrmann@bofa.com)

**Chiara Angeloni**  
Europe Economist  
BofA Europe (Milan)  
[chiara.angeloni@bofa.com](mailto:chiara.angeloni@bofa.com)

**Alessandro Infelise Zhou**  
Europe Economist  
BofASE (France)  
[alessandro.infelise\\_zhou@bofa.com](mailto:alessandro.infelise_zhou@bofa.com)

## Japan Economics

**Takayasu Kudo**  
Japan and Asia Economist  
BofAS Japan  
[takayasu.kudo@bofa.com](mailto:takayasu.kudo@bofa.com)

**Izumi Devalier**  
Japan and Asia Economist  
BofAS Japan  
[izumi.devalier@bofa.com](mailto:izumi.devalier@bofa.com)

## Australia Economics

**Micaela Fuchila**  
Economist  
Merrill Lynch (Australia)  
[micaela.fuchila@bofa.com](mailto:micaela.fuchila@bofa.com)

## Emerging Asia Economics

**Helen Qiao**  
China & Asia Economist  
Merrill Lynch (Hong Kong)  
[helen.qiao@bofa.com](mailto:helen.qiao@bofa.com)

**Jojo Gonzales** ^^  
Research Analyst  
Philippine Equity Partners  
[jojo.gonzales@pep.com.ph](mailto:jojo.gonzales@pep.com.ph)

**Aastha Gudwani**  
India Economist  
BofAS India  
[aastha.gudwani@bofa.com](mailto:aastha.gudwani@bofa.com)

**Pipat Luengnaruemitchai**  
Emerging Asia Economist  
Kiatnakin Phatra Securities  
[pipat.luen@kkpfg.com](mailto:pipat.luen@kkpfg.com)

**Miao Ouyang**  
China & Asia Economist  
Merrill Lynch (Hong Kong)  
[miao.ouyang@bofa.com](mailto:miao.ouyang@bofa.com)

**Benson Wu**  
China & Korea Economist  
Merrill Lynch (Hong Kong)  
[benson.wu@bofa.com](mailto:benson.wu@bofa.com)

**Ting Him Ho, CFA**  
Asia Economist  
Merrill Lynch (Hong Kong)  
[tinghim.ho@bofa.com](mailto:tinghim.ho@bofa.com)

**Chun Him Cheung, CFA**  
Emerging Asia FI/FX Strategist  
Merrill Lynch (Hong Kong)  
[chunhim.cheung@bofa.com](mailto:chunhim.cheung@bofa.com)

**Kai Wei Ang**  
Asia & ASEAN Economist  
Merrill Lynch (Singapore)  
[kaiwei.ang@bofa.com](mailto:kaiwei.ang@bofa.com)

**Anna Zhou**  
China & Asia Economist  
Merrill Lynch (Hong Kong)  
[anna.zhou@bofa.com](mailto:anna.zhou@bofa.com)

## EEMEA Cross Asset Strategy and Economics

**David Hauner, CFA** >>  
Global EM FI/FX Strategist  
MLI (UK)  
[david.hauner@bofa.com](mailto:david.hauner@bofa.com)

**Mai Doan**  
CEE Economist  
MLI (UK)  
[mai.doan@bofa.com](mailto:mai.doan@bofa.com)

**Vladimir Osakovskiy** >>  
EM Sovereign FI/EQ strategist  
Merrill Lynch (DIFC)  
[vladimir.osakovskiy@bofa.com](mailto:vladimir.osakovskiy@bofa.com)

**Zumrut Imamoglu**  
Turkey & Israel Economist  
MLI (UK)  
[zumrut.imamoglu@bofa.com](mailto:zumrut.imamoglu@bofa.com)

**Tatonga Rusike**  
Sub-Saharan Africa Economist  
MLI (UK)  
[tatonga.rusike@bofa.com](mailto:tatonga.rusike@bofa.com)

**Jean-Michel Saliba**  
MENA Economist/Strategist  
MLI (UK)  
[jean-michel.saliba@bofa.com](mailto:jean-michel.saliba@bofa.com)

**Merveille Paja**  
EEMEA Sovereign FI Strategist  
MLI (UK)  
[merveille.paja@bofa.com](mailto:merveille.paja@bofa.com)

**Mikhail Liluashvili**  
EEMEA Local Markets Strategist  
MLI (UK)  
[mikhail.liluashvili@bofa.com](mailto:mikhail.liluashvili@bofa.com)

## Latin America Strategy and Economics

**David Beker** >>  
Bz Econ/FI & LatAm EQ Strategy  
Merrill Lynch (Brazil)  
[david.beker@bofa.com](mailto:david.beker@bofa.com)

**Jane Brauer**  
Sovereign Debt FI Strategist  
BofAS  
[jane.brauer@bofa.com](mailto:jane.brauer@bofa.com)

**Carlos Capistran**  
Canada and Mexico Economist  
BofAS  
[carlos.capistran@bofa.com](mailto:carlos.capistran@bofa.com)

**Pedro Diaz**  
Caribbean Economist  
BofAS  
[pdiaz2@bofa.com](mailto:pdiaz2@bofa.com)

**Christian Gonzalez Rojas**  
LatAm Local Markets Strategist  
BofAS  
[christian.gonzalezrojas@bofa.com](mailto:christian.gonzalezrojas@bofa.com)

**Lucas Martin, CFA**  
Sovereign Debt FI Strategist  
BofAS  
[lucas.martin@bofa.com](mailto:lucas.martin@bofa.com)

**Alexander Müller**  
Andean(ex-Ven) Carib Economist  
BofAS  
[alexander.muller@bofa.com](mailto:alexander.muller@bofa.com)

**Natacha Perez**  
Brazil Economist  
Merrill Lynch (Brazil)  
[natacha.perez@bofa.com](mailto:natacha.perez@bofa.com)

**Sebastian Rondeau**  
Southern Cone & Venez Economist  
BofAS  
[sebastian.rondeau@bofa.com](mailto:sebastian.rondeau@bofa.com)

**Ezequiel Aguirre**  
LatAm FI/FX Strategist  
BofAS  
[ezequiel.aguirre2@bofa.com](mailto:ezequiel.aguirre2@bofa.com)

BofA Securities participated in the preparation of this report, in part, based on information provided by Philippine Equity Partners, Inc. (Philippine Equity Partners). ^^Philippine Equity Partners employees are not registered/qualified as research analysts under FINRA rules.

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules.

Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.