

Europe Economic Weekly

Three months to go

Weekly View:

Our conviction in an inflation undershoot remains unbroken. Noisy inflation data at the beginning of the year, or during Easter, is part of our working assumption. A cyclical recovery in the real economy, too. But market pricing until June could still be volatile.

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

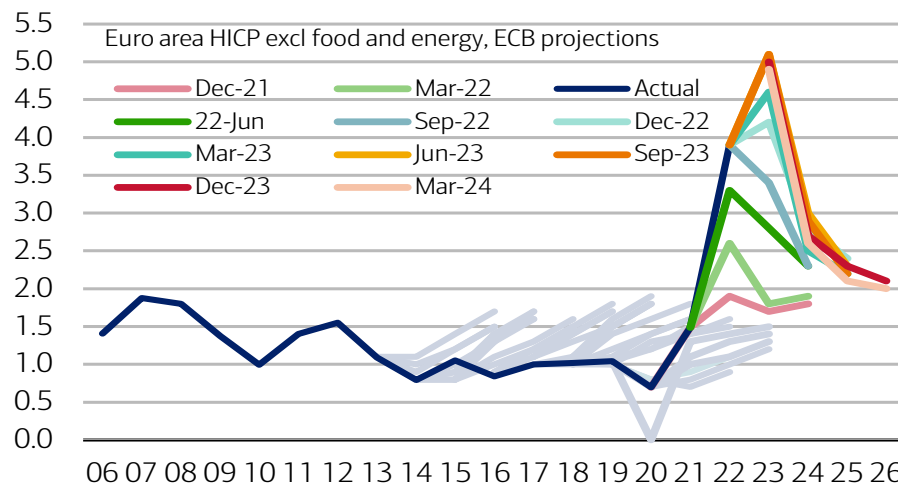
The Chancellor did not deliver big surprises. We read this Budget as just marginally hawkish, if at all. Effective Gilt supply in 2024/25 will likely set a new record high. We remain comfortable being bearish UK rates. GBP should continue to find cyclical support in the months ahead against the backdrop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

Next week:

Quiet data week in the Euro area – industrial production (Wed) and country-level final inflation prints. Focus will likely be on UK (labour market on Tue & GDP on Wed) and Scandies (inflation). On the policy front, Eurogroup (Monday) at ECOFIN (Tuesday).

Exhibit 1: ECB core inflation forecasts over time

ECB core inflation is back at 2% in 2026. Confidence is missing. We still think an undershoot is the likelier outcome (and hence our base case), forcing the ECB into faster 2025 cuts..



Source: BofA Global Research, ECB staff projections

BofA GLOBAL RESEARCH

08 March 2024

Economics
Europe

BofA Euro Economics
+44 20 7995 1476
europeaneconomics@bofa.com

Ruben Segura-Cayuela
Europe Economist
BofA Europe (Madrid)
+34 91 514 3053
ruben.segura-cayuela@bofa.com

Evelyn Herrmann
Europe Economist
BofASE (France)
+33 1 8770 0292
evelyn.herrmann@bofa.com

Chiara Angeloni
Europe Economist
BofA Europe (Milan)
+39 02 6553 0365
chiara.angeloni@bofa.com

Alessandro Infelise Zhou
Europe Economist
BofASE (France)
+33 1 8770 0058
alessandro.infelise_zhou@bofa.com

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 13 to 14.

12668325

Timestamp: 08 March 2024 01:30AM EST

Weekly view

A clear signal for June, if all goes well

Focus firmly on June, expect a bumpy ride

We were expecting unchanged guidance from the ECB in the press release, forecasts suggesting that we were pretty much there when it comes to reaching target in the medium term, coupled with some soft guidance during the press conference that a cut was around the corner as long as data was well behaved in the near future. And this is pretty much what we got. The main surprise was a slightly stronger signal that the bar for a cut in April is now very high. More confidence is needed, they will likely have little new data for the April meeting, a lot more in June. The message is loud and clear, June it is, as long as wage and domestic inflation data play along.

The reacceleration narrative is growing.

Still, we are worried that market pricing for June could remain very volatile and that current probabilities of a June cut of 90%+ get challenged at times. Some of our recent conversations with clients have shown a lot of interest on a potential strong reacceleration of the Euro area economy from here. In our view this is a misinterpretation of 1/ residual seasonality of PMI, and 2/ the gradual return to trend growth after five years of stagnation. But, as we flagged last week, in the context where some are arguing the Fed may need to cut later than in June or not cut at all in 2024, that narrative could be extrapolated to the ECB albeit temporarily.

Indeed, doubts on whether the ECB can go before and well ahead of the Fed is a recurring theme. We touched on that last week, and we disagree. And Lagarde gave a very similar message this week. True, in a scenario in which the Fed delays a lot the cutting cycle that could create doubts on the speed of the ECB's cutting cycle, in principle. But given our call of an inflation undershoot, by the time a strong divergence between the Fed and the ECB were to materialise, that extra FX driven inflation could potentially even be welcomed.

However, there are other factors that could complicate the picture near term and make the market reassess June periodically. Late March easter seasonality could complicate the reading of underlying inflation (expect a big jump in March and a correction in April). That would make May the first really clean inflation print from here. In the meantime we could have the perception of sticky services inflation. True, we all are aware of that seasonality, but when Easter is in late March there is always room for surprises.

Additionally, given the internal dynamics of the ECB's governing council, we would not be surprised if, now that April is almost ruled out, some of the hawks start questioning June too. It would not be the first time that the hawks attempt to move the goalpost. At the end of the day, by the June meeting progress on wages and/or domestic inflation will not clarify all of the uncertainty about where core inflation could end up settling in the medium term. There will likely be, still, a lot of room for disagreement and a lot of room for subjectivity, caution, and the need for more confidence.

Still a strong conviction for June, and faster in 2025

We disagree, though, our conviction on June remains strong. And our conviction that data will end up pushing them to accelerate the cutting cycle is strong too, despite Lagarde implicitly suggesting a slow cutting cycle. We think there is more progress on domestic inflation than some at the ECB realize.

UK budget: Much ado about little

The UK budget was another of the big events this week. We were expecting it to be a non-market event but we worried about potential announcements that delivered more ambitious tax cuts now on the back of backloaded and very politically challenging real expenditure cuts in the future. We didn't get this.

The Budget was 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 rises. 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. Overall, this shouldn't be a big deal for the BoE – we read this Budget as just marginally hawkish, if at all. But it certainly reinforces our view that a slow cutting cycle is unlikely to start before August this year.

Next week:

Today: final print of Euro area 4Q23 GDP, with the main aggregates. Next week should be relatively quiet for Euro area data watchers – we'll get Spanish retail sales on Monday (likely slowing to about 2.7% yoy), Euro area industrial production on Wednesday (we have pencilled in a 2.3% mom drop) and the final inflation prints for February (Germany on Tuesday, Spain on Thursday, France/Italy on Friday).

In the UK, we'll be looking at the labour market data on Tuesday and the GDP numbers on Wednesday – we see GDP growth at 0.1% in January, confirming the worst is behind us. In the Scandies, inflation expected to be in the spotlight: 1) Norway's inflation print on Monday is likely to show ex-energy prices slowing to 5.1% (but in a noisy print) and 2) Swedish inflation should be quite close to the Riksbank forecasts – we have pencilled in ex-energy inflation slowing to 3.6% thanks to favourable base effects.

On the policy front, we have the Eurogroup (Monday) and ECOFIN (Tuesday) – plenty of room for headlines on fiscal policy in 2025. Other than that, it's all about the never-ending Capital Market Union and, perhaps, discussions around defence. Central bank speakers: as per current calendars, Holzman/Simkus today, Holzmann/Mann on Tuesday, Stournaras on Wednesday/Thursday and Vujcic on Friday. Lots of Riksbank speakers too.

Euro Area

ECB review: June it is

Ruben Segura-Cayuela

BofA Europe (Madrid)

ruben.segura-cayuela@bofa.com

Evelyn Herrmann

BofASE (France)

evelyn.herrmann@bofa.com

Sphia Salim

MLI (UK)

sphia.salim@bofa.com

Michalis Rousakis

MLI (UK)

michalis.rousakis@bofa.com

- 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.

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 likely 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

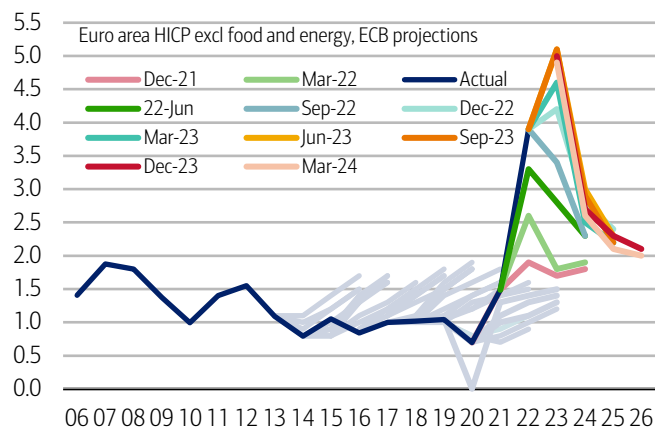
Revisions to ECB forecasts were largely as we expected. GDP growth was revised lower in the short term, slightly higher in 2025/26. Headline inflation was revised lower this year (on the back of energy) but core inflation moved only at the margin. Crucially, end-2026 core inflation was revised to 2%, 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 3). 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 2: ECB core inflation projections over time

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

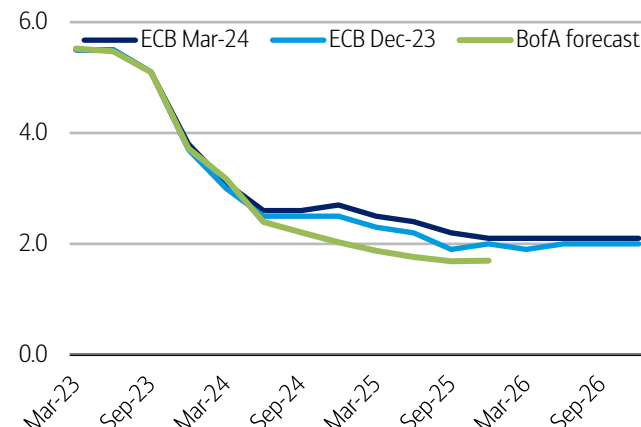


Source: BofA Global Research, ECB staff projections

BofA GLOBAL RESEARCH

Exhibit 3: 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.

UK

UK Budget: Another heavy Gilt supply year

Agne Stengeryte, CFA
MLI (UK)
agne.stengeryte@bofa.com

Mark Capleton
MLI (UK)
mark.capleton@bofa.com

Kamal Sharma
MLI (UK)
ksharma32@bofa.com

Alessandro Infelise Zhou
BofASE (France)
alessandro.infelise_zhou@bofa.com

Ruben Segura-Cayuela
BofA Europe (Madrid)
ruben.segura-cayuela@bofa.com

No big news this week

The Chancellor did not deliver big surprises this week – 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 4).

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 would 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 would rise by £38.8bn. Of that, planned gross Gilt issuance of £265.3bn next fiscal year would 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 5). 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 would 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 6), 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 4: 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	
Gross Financing Req. (GFR)	251.9		242.9		241.4		276.8	
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	
Net Financing Req. (NFR)	242.9		232.4		226.5		265.3	
To be financed through:								
Gilt sales, through:	237.8		237.3		237.3		265.3	
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%
Net T-bill sales	5.0		-5.0		-5.0		0.0	
Total financing	242.8		232.3		232.3		265.3	
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

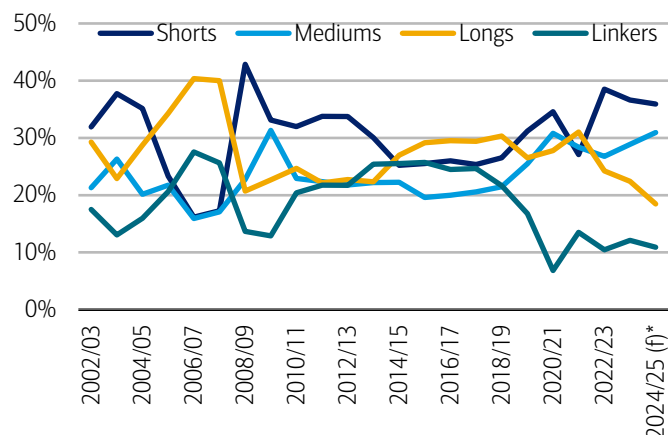
The Budget has reinforced our view that GBP will continue to find cyclical support in the months ahead against the backdrop of benign market conditions. As discussed above, much of this week’s announcement has been well trailed by the media and just as much as there were no “rabbits out of the hat”, 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 5: 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 6: 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

European forecasts

Exhibit 7: Euro area economic forecasts

We expect ECB cuts to start in June 2024

		2022	2023	2024	2025	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25
GDP	% qoq					0.1	0.1	-0.1	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3
	% qoq ann.					0.4	0.5	-0.5	0.2	0.1	0.8	0.9	1.2	1.2	1.2	1.3	1.2
	% yoy	3.4	0.5	0.4	1.1	1.3	0.6	0.0	0.1	0.1	0.1	0.5	0.7	1.0	1.1	1.2	1.2
Private Consumption	% qoq					0.1	0.0	0.3	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3
	% yoy	4.2	0.5	0.6	1.1	1.4	0.6	-0.4	0.4	0.4	0.6	0.6	0.8	1.0	1.1	1.2	1.3
Government Consumption	% qoq					-0.5	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2
	% yoy	1.6	0.2	0.8	0.9	-0.2	0.2	0.6	0.3	1.0	0.9	0.7	0.7	0.8	0.9	0.9	1.0
Investment	% qoq					0.4	-0.1	0.0	-0.3	-0.2	0.1	0.2	0.4	0.3	0.4	0.5	0.5
	% yoy	2.8	0.7	-0.2	1.4	1.8	1.1	-0.1	0.0	-0.6	-0.4	-0.2	0.4	1.0	1.3	1.5	1.6
Final Domestic Demand ¹	% qoq					0.0	0.0	0.2	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.3	0.3
	% yoy	3.1	0.4	0.5	1.1	1.0	0.6	-0.1	0.3	0.3	0.4	0.4	0.7	0.9	1.0	1.2	1.2
Net exports ¹	% qoq					0.6	-0.6	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
	% yoy	0.0	0.2	0.1	0.2	0.6	-0.1	0.4	0.0	-0.5	0.1	0.3	0.3	0.3	0.2	0.1	0.0
Stockbuilding ¹	% qoq					-0.5	0.7	-0.3	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0
	% yoy	0.3	-0.2	-0.2	-0.1	-0.4	0.1	-0.3	-0.2	0.2	-0.5	-0.2	-0.3	-0.2	-0.1	-0.1	0.0
Current Account Balance	EUR bn	-90	209	209	219	38	61	35	75	55	-6	85	75	55	-6	75	95
	% of GDP	-0.7	1.5	1.4	1.5	1.1	1.8	1.0	2.1	1.5	-0.2	2.4	2.1	1.5	-0.2	2.0	2.5
Industrial production	% qoq					-1.3	-1.1	-0.5	-0.4	0.3	0.5	0.7	0.7	0.6	0.6	0.7	0.6
	% yoy	2.2	-2.1	0.4	2.6	-0.1	-1.3	-3.8	-3.2	-1.6	-0.1	1.1	2.2	2.5	2.7	2.7	2.6
Unemployment rate ³	%	6.8	6.6	7.1	7.1	6.6	6.5	6.6	6.6	7.0	7.1	7.1	7.1	7.0	7.0	6.9	6.9
CPI (harmonised) ⁴	% qoq					0.4	1.6	0.6	0.2	0.3	1.4	0.2	0.0	0.0	1.1	0.1	0.0
	% yoy	8.4	5.5	2.3	1.4	8.0	6.2	5.0	2.7	2.7	2.5	2.1	1.9	1.6	1.3	1.2	1.3

Exhibit 7: Euro area economic forecasts

We expect ECB cuts to start in June 2024

		2022	2023	2024	2025	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25
CPI (core) ⁴	% qoq					0.6	2.4	0.5	0.2	0.1	1.6	0.3	0.1	-0.1	1.5	0.2	0.1
	% yoy	3.9	5.0	2.5	1.8	5.5	5.5	5.1	3.7	3.2	2.4	2.2	2.0	1.9	1.8	1.7	1.7
General govt balance	% of GDP	-3.6	-3.4	-3.1	-3.1												
General govt debt	% of GDP	91.0	91.0	90.3	90.1												
Refinancing rate	%	2.50	4.50	3.75	2.50	3.50	4.00	4.50	4.50	4.50	4.25	4.00	3.75	3.25	2.75	2.50	2.50

Source: BofA Global Research, Notes: 1 Contribution to GDP growth 2 Excluding construction, sa, quarterly averages 3 Period averages 4 Period averages, quarterly change

BofA GLOBAL RESEARCH

Exhibit 8: UK economic forecasts

Low growth, entrenched inflation

		2022	2023	2024	2025	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	1Q25	2Q25	3Q25	4Q25
GDP	% qoq					0.2	0.0	-0.1	-0.3	0.1	0.2	0.3	0.3	0.2	0.2	0.1	0.1
	% qoq ann.					0.9	0.0	-0.5	-1.4	0.6	1.0	1.4	1.2	0.7	0.6	0.5	0.5
	% yoy	4.3	0.1	0.3	0.8	0.3	0.3	0.2	-0.2	-0.3	-0.1	0.4	1.0	1.1	1.0	0.8	0.6
Private Consumption	% qoq					0.9	0.5	-0.8	-0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.1
	% yoy	5.0	0.4	-0.2	0.7	0.3	0.4	0.5	0.4	-0.5	-0.9	0.2	0.5	0.7	0.8	0.8	0.7
Government Consumption	% qoq					-0.8	2.4	1.1	-0.3	0.1	0.3	0.3	0.3	0.3	0.5	0.5	0.5
	% yoy	2.3	0.6	1.4	1.6	-3.5	1.5	2.1	2.4	3.3	1.1	0.3	1.0	1.2	1.5	1.7	1.8
Investment	% qoq					2.5	-0.9	-1.4	1.4	0.3	-0.1	-0.8	0.1	0.0	0.0	0.0	-0.2
	% yoy	8.0	2.9	0.0	-0.4	5.4	4.0	0.8	1.7	-0.5	0.3	0.8	-0.4	-0.8	-0.7	0.1	-0.2
Final Domestic Demand ¹	% qoq					0.9	0.6	-0.5	0.1	0.1	0.1	0.0	0.2	0.2	0.2	0.2	0.1
	% yoy	5.0	0.9	0.2	0.7	0.4	1.3	0.9	1.0	0.3	-0.2	0.3	0.4	0.5	0.7	0.8	0.7
Net exports ¹	% qoq					-1.7	-0.9	0.4	-0.6	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
	% yoy	-1.7	0.1	-0.5	0.0	3.7	1.8	-2.2	-2.8	-1.2	-0.3	-0.5	0.1	0.1	0.0	-0.1	-0.2
Stockbuilding ¹	% qoq					1.0	0.3	0.1	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0
	% yoy	1.1	-0.9	0.5	0.2	-3.8	-2.8	1.6	1.5	0.6	0.4	0.6	0.5	0.4	0.4	0.0	0.0
Current Account Balance	% of GDP	-3.1	-3.4	-4.0	-3.9	-2.3	-3.9	-3.5	-4.1	-4.1	-4.0	-3.9	-3.9	-3.9	-3.9	-3.9	-4.0
Manufacturing output	% qoq					0.5	1.9	0.0	-0.3	0.1	0.3	0.5	0.6	0.6	0.6	0.6	0.6
	% yoy	-3.3	1.1	1.0	-3.3	-1.6	1.2	2.9	2.0	1.7	0.1	0.6	1.5	2.0	2.3	2.4	2.4
Unemployment rate ²	%	3.7	4.1	4.7	4.8	3.9	4.2	4.2	4.4	4.6	4.7	4.8	4.9	4.8	4.8	4.8	4.7
CPI Inflation (harmonised) ²	% yoy	9.1	7.3	2.4	2.3	10.2	8.4	6.7	4.2	3.4	2.0	1.9	2.3	2.4	2.4	2.5	2.1
CPI (core) ²	% yoy	5.9	6.2	3.7	2.8	6.1	6.9	6.4	5.3	4.5	3.6	3.3	3.4	3.5	3.0	2.6	2.4
General govt balance ⁵	% of GDP	-5.0	-4.9	-4.3	-3.9												
General govt debt ^{3,5}	% of GDP	97.1	98.9	101.1	103.3												
General govt debt	% of GDP	101.0	100.7	102.9	104.8												
Bank Rate ⁴	%	3.50	5.25	4.75	3.75	4.25	5.00	5.25	5.25	5.25	5.25	5.00	4.75	4.50	4.25	4.00	3.75

Source: BofA Global Research, Notes: 1 Contribution to GDP growth 2 Period averages 3 Excludes Nationalised banks, and thus is not on Maastricht basis 4 End period, 5 Fiscal years

BofA GLOBAL RESEARCH

Exhibit 9: Euro area, GDP and CPI profiles

Euro area member states profiles

	HICP									
	2021	2022	2023F	2024F	2025F	2021	2022	2023	2024F	2025F
Euro area	5.9	3.4	0.5	0.4	1.1	2.6	8.4	5.5	2.3	1.4
Austria	4.4	4.8	-0.7	0.0	1.5	2.8	8.6	7.7	2.7	2.1
Belgium	6.9	3.0	1.4	0.9	1.2	3.2	10.3	2.2	1.5	1.7
Finland	2.8	1.6	-0.4	0.2	1.0	2.1	7.2	4.3	0.9	1.2
France	6.4	2.5	0.8	0.7	1.3	2.1	5.9	5.7	2.9	2.0
Germany	3.1	1.9	-0.1	-0.2	0.9	3.2	8.6	6.0	2.7	1.4
Greece	8.1	5.7	2.0	1.1	1.7	0.6	9.3	4.2	2.0	1.7
Ireland	14.8	9.5	-1.4	2.7	2.0	2.4	8.1	5.8	2.9	1.6
Italy	8.3	3.9	0.7	0.5	1.1	1.9	8.7	6.0	1.8	1.5
Netherlands	6.2	4.4	0.0	0.3	1.1	2.8	11.6	4.1	1.7	1.6
Portugal	5.7	6.8	2.2	1.0	1.4	0.9	8.1	5.4	2.5	1.1
Spain	6.4	5.8	2.4	1.3	1.5	3.0	8.3	3.4	2.6	1.1

Source: BofA Global Research, Eurostat

BofA GLOBAL RESEARCH



Calendar for the week ahead

Exhibit 10: European Economic calendar

Key data for the next week

	GMT	Country	Data/Event	For	BofAe	Cons.†	Previous	Comments
Monday, 11 Mar								
★★★	07:00	Norway	CPI (mom)	Feb	n.a.	--	0.1%	
★★★	07:00	Norway	CPI (yoy)	Feb	4.6%	--	4.7%	
★★★	07:00	Norway	CPI underlying (mom)	Feb	n.a.	--	0.0%	
★★★	07:00	Norway	CPI underlying (yoy)	Feb	5.1%	--	5.3%	
★★★	08:00	Spain	Retail Sales (sa, yoy)	Jan	2.7%	--	3.1%	
Tuesday, 12 Mar								
★★★	07:00	UK	ILO Unemployment Rate 3Mths	Jan	n.a.	--	3.8%	
★★★	07:00	UK	Employment Change 3M/3M	Jan	n.a.	--	72k	
★★★	07:00	Germany	CPI (yoy, F)	Feb	2.5%	--	2.5%	
★★★	07:00	Germany	CPI (mom, F)	Feb	0.4%	--	0.4%	
★★★	07:00	Germany	CPI EU Harmonized (mom, F)	Feb	0.6%	--	0.6%	
★★★	07:00	Germany	CPI EU Harmonized (yoy, F)	Feb	2.7%	--	2.7%	
★★★	07:00	UK	Claimant Count Rate	Feb	n.a.	--	4.0%	
★★★	07:00	UK	Jobless Claims Change	Feb	n.a.	--	14k	
★★★	07:00	UK	Average Weekly Earnings 3M (yoy)	Jan	n.a.	--	5.8%	
★★★	07:00	UK	Weekly Earnings ex Bonus 3M (yoy)	Jan	n.a.	--	6.2%	
Wednesday, 13 Mar								
★★★	07:00	UK	Monthly GDP (3m/3m)	Jan	n.a.	--	-0.2%	
★★★	07:00	UK	Industrial Production (mom)	Jan	n.a.	--	0.6%	
★★★	07:00	UK	Industrial Production (yoy)	Jan	n.a.	--	0.6%	
★★★	07:00	UK	Manufacturing Production (mom)	Jan	n.a.	--	0.8%	
★★★	07:00	UK	Manufacturing Production (yoy)	Jan	n.a.	--	2.3%	
★★	07:00	UK	Index of Services (mom)	Jan	n.a.	--	-0.1%	
★★	07:00	UK	Index of Services 3M/3M	Jan	n.a.	--	-0.2%	
★★★	07:00	UK	Construction Output (sa, mom)	Jan	n.a.	--	-0.5%	
★★★	07:00	UK	Construction Output (sa, yoy)	Jan	n.a.	--	-3.2%	
★★★	07:00	UK	Visible Trade Balance GBP/Mn	Jan	n.a.	--	-14.0bn	
★★★	07:00	UK	Trade Balance GBP/Mn	Jan	n.a.	--	-2.6bn	
★★★	07:00	UK	Monthly GDP (mom)	Jan	0.1%	--	-0.1%	
★★★	10:00	Euro area	Industrial Production (sa, mom)	Jan	-2.3%	--	2.6%	
★★★	10:00	Euro area	Industrial Production (wda, yoy)	Jan	n.a.	--	1.2%	
Thursday, 14 Mar								
★★★	00:01	UK	RICS House Price Balance	Feb	n.a.	--	-18.0%	
★★★	07:00	Sweden	CPI (mom)	Feb	n.a.	--	-0.1%	
★★★	07:00	Sweden	CPI (yoy)	Feb	n.a.	--	5.4%	
★★★	07:00	Sweden	CPIF (mom)	Feb	n.a.	--	-0.3%	
★★★	07:00	Sweden	CPIF (yoy)	Feb	2.8%	--	3.3%	
★★★	07:00	Sweden	CPIF Excl. Energy (mom)	Feb	n.a.	--	-0.5%	
★★★	07:00	Sweden	CPIF Excl. Energy (yoy)	Feb	3.6%	--	4.4%	
★★★	08:00	Spain	CPI (mom, F)	Feb	0.3%	--	0.3%	
★★★	08:00	Spain	CPI (yoy, F)	Feb	2.8%	--	2.8%	
★★★	08:00	Spain	CPI EU Harmonised (mom, F)	Feb	0.4%	--	0.4%	
★★★	08:00	Spain	CPI EU Harmonised (yoy, F)	Feb	2.9%	--	2.9%	
★★★	08:00	Spain	CPI Core (yoy, F)	Feb	3.4%	--	3.4%	
★★★	08:00	Spain	CPI Core (mom)	Feb	n.a.	--	-0.4%	
Friday, 15 Mar								
★★★	07:45	France	CPI EU Harmonized (mom, F)	Feb	0.9%	--	0.9%	
★★★	07:45	France	CPI EU Harmonized (yoy, F)	Feb	3.1%	--	3.1%	
★★★	07:45	France	CPI (mom, F)	Feb	0.8%	--	0.8%	
★★★	07:45	France	CPI (yoy, F)	Feb	2.9%	--	2.9%	
★★★	07:45	France	CPI Ex-Tobacco Index	Feb	n.a.	--	117.2	
★★★	09:00	Italy	CPI EU Harmonized (yoy, F)	Feb	0.9%	--	0.9%	
★★★	09:00	Italy	CPI FOI Index Ex Tobacco	Feb	n.a.	--	119.3	
★★★	10:00	Italy	Retail Sales (mom)	Jan	n.a.	--	-0.1%	
★★★	10:00	Italy	Retail Sales (yoy)	Jan	n.a.	--	0.3%	

Source: BofA Global Research, Bloomberg, Reuters, Central banks. Notes: †Bloomberg consensus; μ = level of importance; A = advanced; F = final; P = preliminary; sa = seasonally adjusted; nsa = not seasonally adjusted; wda = working-day adjusted; n.a. = not available; mom = month-on-month; qoq = quarter-on-quarter; yoy = year-on-year. *Refers to previous period, not preliminary release. BofA GLOBAL RESEARCH

Acronyms and abbreviations

Exhibit 11: Common acronyms/abbreviations used in our reports

This list is subject to change

Acronym/Abbreviation	Definition	Acronym/Abbreviation	Definition
1H	First Half	IT	Italy
2H	Second Half	Jan	January
1Q	First Quarter	Jul	July
2Q	Second Quarter	Jun	June
3Q	Third Quarter	lhs	left-hand side
4Q	Fourth Quarter	m	month
ann	annualized	MA	Moving Average
APP	Asset Purchase Programme	Mar	March
Apr	April	Eonia	Euro overnight indexed average
AS	Austria	mom	month-on-month
Aug	August	Mon	Monday
BdF	Banque de France (Bank of France)	MPC	Monetary Policy Committee
BE	Belgium	MWh	Megawatt-hour
BEA	Bureau of Economic Analysis	NGEU	NextGenerationEU
BLS	Bank Lending Survey	NE	Netherlands
BoE	Bank of England	Nov	November
BofA	Bank of America	NADEF	Nota di Aggiornamento al Documento di Economia e Finanza
BoI	Banca d'Italia (Bank of Italy)	NSA	Non-seasonally Adjusted
BoJ	Bank of Japan	OAT	Obligations assimilables du Trésor
BoS	Banco de España (Bank of Spain)	OBR	Office for Budget Responsibility
bp	basis point	Oct	October
BTP	Buoni Poliennali del Tesoro	OECD	Organisation for Economic Co-operation and Development
Buba	Bundesbank	ONS	Office for National Statistics
c	circa	p	preliminary/flash print
CA	Current Account	PBoC	People's Bank of China
CPI	Consumer Price Index	PEPP	Pandemic Emergency Purchase Programme
CSPP	Corporate Sector Purchase Programme	PMI	Purchasing Managers' Index
d	day	PSPP	Public Sector Purchase Programme
GE	Germany	PT	Portugal
Dec	December	QE	Quantitative Easing
DS	Debt sustainability	qoq	quarter-on-quarter
EA	Euro area	QT	Quantitative Tightening
EC	European Commission	RBA	Reserve Bank of Australia
ECB	European Central Bank	RBNZ	Reserve Bank of New Zealand
ECJ	European Court of Justice	rhs	right-hand side
EFSF	European Financial Stability Facility	RPI	Retail Price Index
EGB	European Government Bond	RRF	Recovery and Resilience Facility
DM	Developed Markets	SA	Seasonally Adjusted
EMOT	Economic Mood Tracker	SAFE	Survey on the access to finance of enterprises
EP	European Parliament	Sat	Saturday
SP	Spain	Sep	September
ESI	Economic Sentiment Indicator	SMA	Survey of Monetary Analysts
ESM	European Stability Mechanism	SNB	Swiss National Bank
EU	European Union	SPF	Survey of Professional Forecasters
f	final print	Sun	Sunday
Feb	February	SURE	Support to mitigate Unemployment Risks in an Emergency
Fed	Federal Reserve	S&P	Standard & Poor's
FR	France	Thu	Thursday
Fri	Friday	TLTRO	Targeted Longer-term Refinancing Operations
GC	General collateral	TPI	Transmission Protection Instrument
GDP	Gross Domestic Product	TTF	Title Transfer Facility
GNI	Gross National Income	Tue	Tuesday
GR	Greece	UK	United Kingdom
HICP	Harmonised Index of Consumer Prices	US	United States
HMT	His Majesty's Treasury	WDA	Work-day Adjusted
IMF	International Monetary Fund	Wed	Wednesday

Source: BofA Global Research

BofA GLOBAL RESEARCH

Disclosures

Important Disclosures

Due to the nature of strategic analysis, the issuers or securities recommended or discussed in this report are not continuously followed. Accordingly, investors must regard this report as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or securities.

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 BofA 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; 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 or 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

Ruben Segura-Cayuela

Europe Economist
BofA Europe (Madrid)
+34 91 514 3053
ruben.segura-cayuela@bofa.com

Evelyn Herrmann

Europe Economist
BofASE (France)
+33 1 8770 0292
evelyn.herrmann@bofa.com

Chiara Angeloni

Europe Economist
BofA Europe (Milan)
+39 02 6553 0365
chiara.angeloni@bofa.com

Alessandro Infelise Zhou

Europe Economist
BofASE (France)
+33 1 8770 0058
alessandro.infelise_zhou@bofa.com