

# Global Macro Watch

# Known Unknowns Oct 23 - Oct 27

## **ECB** meeting

We expect no policy changes from the ECB this week. Rather, we think this is a meeting to discuss the risks from higher energy prices and from higher real yields.

# **US GDP and PCE**

We look for the advance print of 3Q US GDP at 4.5% q/q saar (after finalizing at 2.1% in 2Q), with consumer spending up 4.0% q/q saar. We expect core PCE inflation to print at 0.3% m/m in September (0.28% m/m unrounded), which would be an acceleration from recent months but would still result in the y/y rate falling 20bp to 3.7%. Core services excluding housing services will likely print at a firmer 0.31% m/m in September.

# Bank of Canada meeting

We expect the BoC on hold amid falling core inflation and a weak economy. However, risks remain to the upside as inflation is still above the target and the labor market remains tight.

# The week ahead in Emerging Markets

There are monetary policy meetings in Türkiye, Israel, Hungary, Chile, Ukraine, Georgia and Costa Rica. CPI inflation in Mexico and Brazil.

### In other data

**US:** GDP, personal income & spending and PCE inflation, PMIs, new home sales, initial jobless claims, durable goods orders, final print of U. Michigan sentiment

**Eurozone:** ECB meeting, PMIs, consumer confidence, euro area bank lending survey and M3, ECB survey of professional forecasters, Germany's IFO survey

**UK:** labor market data and PMIs

Japan: Tokyo CPI

Canada: BoC meeting

Australia: 3Q CPI and two RBA speakers incl. Governor Bullock

**Scandies:** in Sweden, we get sentiment data, the Riksbank's business survey and FX sales for the week ending Oct 13 and hear from two speakers incl. Governor Thedeen.

Switzerland: sight deposits

For more details, please see <u>Europe Economic Weekly</u>, <u>US Economic Weekly</u>, <u>Asia</u> Economic Weekly

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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 12 to 14.

12614794

### 22 October 2023

Economics Rates & FX Global

Table of Contents	
Known Unknowns	2
Known Unknowns (EM)	4
Sunday	5
Monday	5
Tuesday	5
Wednesday	6
Thursday	7
Friday	8
Quarterly Risk Calendar – October	9
Quarterly Risk Calendar – November	10
Quarterly Risk Calendar – December	11
Research Analysts	14

### Michalis Rousakis

FX Strategist MLI (UK) +44 20 7995 0336 michalis.rousakis@bofa.com

### Pedro Diaz Caribbean Economist BofAS +1,646,855,2575

+1 646 855 2575 pdiaz2@bofa.com

## Shruti Mishra

US and Global Economist BofAS +1 646 855 1040 smishra44@bofa.com

## Global Economics Rates & FX

BofAS

See Team Page for List of Analysts

BOC: Bank of Canada

BOE: Bank of England

 ${\sf CPI: Consumer \, Price \, Index}$ 

ECB: European Central Bank

PCE: Personal Consumption Expenditure

PPI: Producer Price Index

RBA: Reserve Bank of Australia

IP: Industrial Production

# **Known Unknowns**

# Exhibit 1: Global weekly calendar

ECB and BoC are meeting this week. Note dates are according to London time

# Speakers (none) Economic Data CBs Meetings / Strikes / Votes

Date	LDN	HK	NY	Country	Event	Period	BofAe	Cons.	Prev.	Details
Mon Oct 23	09:00	16:00	04:00	SZ	Total Sight Deposits CHF	Oct-20			483.8b	
	15:00	22:00	10:00	EC	Consumer Confidence (P)	Oct	-18	-18.5	-17.8	
					Jobless Claims Change	Sep	4k		0.9k	
	07:00	14:00	02:00	UK	ILO Unemployment Rate 3Mths		4.3%	4.3%	4.3%	
					Employment Change 3M/3M	Aug	-165k	-200k	-207k	
	07:00	14:00	02:00	GE	GfK Consumer Confidence	Nov	-26.6	-27	-26.5	
	08:30	15:30	03:30	GE	Manufacturing PMI (P)	Oct	40.0	40.1	39.6	
	00.50	15.50	05.50	UL.	Services PMI (P)	OCC	49.9	50.0	50.3	
	09:00	16:00	04:00	EC	Euro Area Bank Lending Survey					
	09:00	16:00	04:00	AU	RBA's Bullock speech					
Tue Oct 24	09:00	16:00	04:00	EC	Manufacturing PMI (P)	Oct	44.3	43.7	43.4	
					Services PMI (P)		49.0	48.6	48.7	
	09:30	16:30	04:30	UK	Manufacturing PMI (P)	Oct	44.3	44.7	44.3	
	09:30	16:30	04:30	UK	Services PMI (P)		49.3	49.3	49.3	
	10:00	17:00	05:00	SW	Riksbank's Thedeen speech					On the Riksbank's financial position, earning capacity and ong-term capital requirements
	14:45	21:45	09:45	US	Manufacturing PMI (P)	Oct	49.5	49.5	49.8	
	14:45	21:45	09:45	US	Services PMI (P)		50.1	49.9	50.1	
	01:30	08:30	20:30	AU	CPI q/q	3Q	1.1%	1.1%	0.8%	We expect a strong rise driven by petrol and housing.
	01:30	08:30	20:30	AU	CPI y/y		5.3%	5.3%	6.0%	Seasonal factors will also contribute to the increase
	00.00	16.00	04.00	CF	IFO Current Assessment	0-4	88.5	88.5	88.7	
	09:00	16:00	04:00	GE	IFO Business Climate	Oct	86.3 83.6	85.9 83.4	85.7 82.9	
	09:00	16:00	04:00	EC	IFO Expectations	Con	-1.5%	-1.8%	-1.3%	
Wed Oct 25		19:30	07:30	SW	M3 Money Supply y/y Riksbank's Jansson speech	Sep	- 1.5%	-1.8%	- 1.5%	On current monetary policy
	15:00 22:00 10:00 CA Bank of Canada meeting		Oct	5.00%	5.00%	5.00%	Falling core inflation and a weak economy will likely keep the BoC on hold. However, risks remain to the upside as inflation is still above the target and the labor market remains tight			
	15:00	22:00	10:00	US	New Home Sales	Sep	700k	684k	675k	
	23:00	06:00	18:00	AU	RBA's Bullock, Kent - Senate Testimony					
	08:00	15:00	03:00	SW	Economic Tendency Survey	Oct			85.8	
					ECB Deposit Facility Rate		4.00%	4.00%	4.00%	
	13:15	20:15	08:15	EC	ECB Marginal Lending Facility	Oct	4.75%	4.80%	4.80%	
					ECB Main Refinancing Rate		4.50%	4.50%	4.50%	
	13:30	20:30	08:30	US	Initial Jobless Claims	Oct-21	205k	210k	198k	
					GDP Annualized q/q (A)		4.5%	4.3%	2.1%	
Thu Oct 26	13:30	20:30	08:30	US	Personal Consumption (A)	20	4.0%	3.9%	0.8%	
	13:30	20:30	06:30	US	PCE Price Index q/q (A)	3Q	2.5%	2.5%	1.7%	
					Core PCE Price Index q/q (A)		2.5%	2.5%	3.7%	
	13:30	20:30	08:30	US	Durable Goods Orders (P)	Sep	2.0%	1.5%	0.1%	
	15.50	20.50	00.50	05	Core Capital Goods Orders (P)	эср	0.3%	0.0%	0.9%	
	13:30	20:30	08:30	US	Advance Goods Trade Balance	Sep	-\$89.5bn	1.00/	-\$88.5bn	
	15:00	22:00	10:00	US	Pending Home Sales NSA y/y  Tokyo CPI Ex-Fresh Food y/y	Sep	-1.0%	-1.0% 2.5%	-7.1% 2.5%	apan-style core CPI (ex-fresh food) to edge lower to +2.4% y/y reflecting continued weakness of energy CPI. But Boj-
	00:30	07:30	19:30	JN	Tokyo CPI Ex-Fresh Food, Energy y/y	Oct	3.9%	3.7%	3.8%	atyle core CPI (ex-fresh food and energy) to increase again to +3.9% y/y, from +3.8% YoY in Sep. In addition to another flurry of food price hikes, services prices will likely increase further at the beginning of 2H FY23, offsetting less favorable base effects in YoY growth term
Fri Oct 27	08:30	15:30	03:30	SW	Riksbank's Business Survey					
	09:00	16:00	04:00	EC	ECB Survey of Professional Forecasters					
	09:30	16:30	04:30	SW	Riksbank publishes FX sales					For the week ending October 13
					PCE Headline Prices y/y	1	3.4%	3.4%	3.5%	
	13:30	20:30	08:30	US	PCE Headline Core Prices y/y	Sep	3.7%	3.7%	3.9%	
	טכוכו	20.30	00:00	US	Personal Spending	Jeh	0.6%	0.5%	0.4%	
	ĺ				Personal Income		0.4%	0.4%	0.4%	

**Exhibit 1: Global weekly calendar** ECB and BoC are meeting this week. Note dates are according to London time

Speakers (none) Economic Data				Meetings / Strikes / Votes						
CBs										
 15:00	22:00	10:00	US	U. of	Mich. Sentiment (F)	Oct	63.0	63.0	63.0	

**Source:** BofA Global Research, Bloomberg. Forecasts as of Oct 20. Consensus forecasts are Bloomberg forecasts.



# **Known Unknowns (EM)**

**Exhibit 2: The week ahead in Emerging Markets**There are monetary policy meetings in Türkiye, Israel, Hungary, Chile, Ukraine, Georgia, and Costa Rica. CPI inflation in Mexico and Brazil.

Speakers CBs		(none)		Economic data					
				Meetings		Franchettana			
Date	London	NY	Hong Kong	Country	Event	<b>Expectations</b> Tax Collections should slightly decline at the margin in September, due to the			
22-27 Oct	-		-	Brazil	Tax Collections	lack of new revenue measures and weaker economic activity through 3Q23.			
	-		-	South Korea	Retail Sales YoY				
	6:00	1:00	14:00	Singapore	CPI YoY	We see headline inflation edging up to 4.1% in Sep vs. 4.0% in Aug. On a m-o-basis, we see headline CPI at 0.5% in Sep vs. 0.9% in Aug, reflecting lower increase in accommodation prices (in the absence of distortions arising from Services & Conservancy Charges), as well as private transport prices.			
	9:00	4:00	17:00	Taiwan	Industrial Production YoY				
23 Oct	13:00	8:00	21:00	Mexico	Economic Activity IGAE MoM	We expect monthly GDP growth to increase 0.30% mom sa in August.			
	14:00	9:00	22:00	Israel	Bol rates decision	We expect BOI to keep its base rate on hold as uncertainty due to the conflict weakened the ILS and poses upside risk to inflation. However subdued economic activity may push them to a cut in the coming meetings. Therefore, we expect some guidance on this in the statement. We think that BOI decision will keep being data driven going forward.			
	13:00	8:00	21:00	Hungary	NBH decision - base rate	It is a close call between 75bp vs 50bp cut, but we think with the strong HUF performance recently, steady disinflation trend and rates still at very high levels the NBH can opt to cut more than less.			
24 Oct	13:00	8:00	21:00	Mexico	Bi-Weekly CPI	We expect bi-weekly inflation at 0.37% in 1H Oct mostly driven by energy and fruits and vegetables prices.			
	13:00	8:00	21:00	Mexico	Bi-Weekly Core CPI	We expect bi-weekly core inflation at 0.20% in 1H Oct mostly driven by other services excluding housing and education.			
25 Oct	9:00	4:00	17:00	Georgia	Refinancing Rate	Low inflation and weak underlying pressures keep doors wide open for cuts. However, the Bank will likely remain extremely cautious approach after resignations as well as potentially volatile inflation data going forward			
	-		-	Costa Rica	Benchmark Interest Rate	11 1 0 00/ (3.50/			
	0:00	19:00	8:00	South Korea	GDP YoY	We expect growth to accelerate sequentially to 0.8% qoq sa (1.5% yoy) on improving net export amid drags from private consumption			
	6:00	1:00	14:00	Singapore	Industrial Production YoY				
	10:30	5:30	18:30	South Africa	PPI (yoy)	Low and slowing inflation keep doors wide open for cuts. We expect at least			
	12:00	7:00	20:00	Ukraine	NBU rates decision	another 100bp			
	12:00	7:00	20:00	Türkiye	CBT rates decision	We expect 500bp hike from the CBT as the policy rate needs to still catch up with bank rates mostly driven by regulations			
26 Oct	12:30	7:30	20:30	Brazil	Current Account Balance	We expect the Current Account to post a US\$1.8bn deficit in September (from U\$0.8 bn deficit in August). Despite a trade surplus of US\$8.9 bn for the month (according to Secint), the print should be driven by a significant deficit in the income and services balance.			
	12:30	7:30	20:30	Brazil	Foreign Direct Investment	We expect Foreign Direct Investment (FDI) at US\$4.9bn in September (from US\$4.3bn in August). FDI should remain high throughout 2023.			
	13:00	8:00	21:00	Brazil	IBGE Inflation IPCA-15 MoM	We forecast IPCA-15 inflation at 0.14% mom in October (from 0.35% mom in September). The moderate number comes from food deflation, as well as a lower upward pressure from fuel and electric energy prices compared to previous months. Year-over-year, we expect the IPCA-15 to decelerate to 4.989 yoy (from 5.19% yoy previously).			
	13:00	8:00	21:00	Mexico		We expect unemployment at 3.05% in September			
	22:00	17:00	6:00	Chile	Overnight Rate Target	We come at availt concessions to continue and in Contamb			
	12:30	7:30	20:30	Brazil	Total Outstanding Loans	We expect credit concessions to continue accelerate in September, as government credit debt renegotiation program called "Desenrola", as well as declining rates, should continue to improve credit availability.			
27 Oct	13:00	8:00	21:00	Mexico	Trade Balance	We expect the trade balance to post a deficit as consumption remains strong, with capital goods imports accelerating at the margin.			
	18:30	13:30	2:30	Brazil	Central Govt Budget Balance	We expect the central government to register another deficit in September of R\$6.8bn, following August deficit (R\$26.4bn). The reinstalment of federal taxes must have had a positive impact in the total tax collections from Government, diminishing its deficit.			

Source: BofA Global Research, Bloomberg



# **Sunday** Oct 22 - 27

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous Comments
20:30	Australia	Retail Sales MoM	Sep			0.2%
	Brazil	Tax Collections	Sep		174857m	n 172785m Tax Collections should slightly decline at the margin in Septeml due to the lack of new revenue measures and weaker economic activity through 3Q23.
	Dominican Republic	Tourism Arrivals YoY	Sep			
	Thailand	Customs Exports YoY	Sep		-2.0%	2.6%
	South Korea	Retail Sales YoY	Sep			3.3%
-	Germany	Retail Sales (mom)	Sep	0.5%		-1.2%

Source: BofA Global Research, Bloomberg

# **Monday**

Oct	23						
NYT	Country	Data/Event	For	BofAe	Cons.†	Previou	s Comments
1:00	Singapore	CPI YoY	Sep	4.1%	4.1%	4.0%	We see headline inflation edging up to 4.1% in Sep vs. 4.0% in Aug. On a m-o-m basis, we see headline CPI at 0.5% in Sep vs. 0.9% in Aug. reflecting lower increase in accommodation prices (in the absence of distortions arising from Services & Conservancy Charges), as well as private transport prices.
1:00	Singapore	CPI Core YoY	Sep	3.0%		3.4%	We also see core inflation moderating further to 3% yoy in Sep vs. 3.3% in Aug. On a m-o-m basis, we see core CPI slightly firmer at 0.12% in Sep vs. 0.07% in Aug.
4:00	Taiwan	Industrial Production YoY	Sep			-10.5%	
5:00	Euro area	Govt Debt/GDP Ratio (F)	2022	n.a.		91.6%	
7:30	Chile	Central Bank Traders Survey					
8:00	Mexico	Economic Activity IGAE MoM	Aug	0.30%		0.15%	We expect monthly GDP growth to increase 0.30% mom sa in August.
8:00	Mexico	Economic Activity IGAE YoY	Aug	3.40%		3.19%	We expect monthly GDP growth to increase 3.40% yoy.
9:00	Israel	Bol rates decision	-	4.75%	n.a.	4.75%	We expect BOI to keep its base rate on hold as uncertainty due to the conflict weakened the ILS and poses upside risk to inflation. However subdued economic activity may push them to a cut in the coming meetings. Therefore, we expect some guidance on this in the statement. We think that BOI decisions will keep being data driven going forward.
10:00	Euro area	Consumer Confidence (P)	Oct	-18.0		-17.8	
18:00	Australia	Judo Bank Australia PMI Composite	Oct P			51.5	
18:00	Australia	Judo Bank Australia PMI Mfg	Oct P			48.70	
18:00	Australia	Judo Bank Australia PMI Services	Oct P			51.80	

Source: BofA Global Research, Bloomberg

# Tuesday

NYT	Country	Data/Event	For	BofAe	Cons.†	<b>Previous Comments</b>
2:00	UK	Claimant Count Rate	Sep	n.a.		4.0%
2:00	UK	Jobless Claims Change	Sep	4k		1k
2:00	UK	ILO Unemployment Rate 3Mths	Aug	4.3%		4.3%
2:00	UK	Employment Change 3M/3M	Aug	-165k		-207k
2:00	Germany	GfK Consumer Confidence	Nov	-26.6		-26.5
2:30	Hungary	Average gross wages (yoy)	Aug	n.a.	n.a.	15.3%
3:15	France	Manufacturing PMI (P)	Oct	44.5		44.2
3:15	France	Services PMI (P)	Oct	44.6		44.4
3:15	France	Composite PMI (P)	Oct	44.3		44.1
3:30	Germany	Manufacturing PMI (P)	Oct	40.0		39.6
3:30	Germany	Services PMI (P)	Oct	49.9		50.3
3:30	Germany	Composite PMI (P)	Oct	46.6		46.4
4:00	Euro area	Manufacturing PMI (P)	Oct	44.3		43.4



NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
4:00	Euro area	Services PMI (P)	Oct	49.0		48.7	
4:00	Euro area	Composite PMI (P)	Oct	48.0		47.2	
4:00	Australia	RBA's Bullock-Speech					
4:30	UK	Manufacturing PMI (P)	Oct	44.3		44.3	
4:30	UK	Services PMI (P)	Oct	49.3		49.3	
4:30	UK	Composite PMI (P)	Oct	48.5		48.5	
6:00	UK	CBI Trends Total Orders	Oct	n.a.		-18.0	
6:00	UK	CBI Trends Selling Prices	Oct	n.a.		14.0	
6:00	UK	CBI Business Optimism	Oct	n.a.			
8:00	Hungary	NBH decision - base rate	-	12.25%	n.a.	13.0%	It is a close call between 75bp vs 50bp cut, but we think with the strong HUF performance recently, steady disinflation trend and rates still at very high levels, the NBH can opt to cut more than less.
8:00	Chile	PPI MoM	Sep			2.20%	
8:00	Mexico	Bi-Weekly CPI	15-Oct	0.37%	0.31%	0.13%	We expect bi-weekly inflation at 0.37% in 1H Oct mostly driven by energy and fruits and vegetables prices.
8:00	Mexico	Bi-Weekly Core CPI	15-Oct	0.20%	0.19%	0.11%	We expect bi-weekly core inflation at 0.20% in 1H Oct mostly driven by other services excluding housing and education.
8:00	Mexico	Bi-Weekly CPI YoY	15-Oct	4.40%	4.34%	4.47%	We expect annual bi-weekly inflation at 4.40% yoy in 1H Oct.
8:00	Mexico	Bi-Weekly Core CPI YoY	15-Oct	5.50%	5.49%	5.74%	We expect Bi-weekly annual core inflation at 5.50% yoy.
9:45	US	S&P Global US manufacturing PMI	Oct P	49.5	49.5	49.8	
9:45	US	S&P Global US services PMI	Oct P	50.1	49.4	50.1	
11:00	Mexico	International Reserves Weekly	20-Oct			\$204127n	n
15:00	Argentina	Economic Activity Index MoM	Aug			2.40%	
15:00	Argentina	Economic Activity Index YoY	Aug			-1.30%	
20:30	Australia	CPI YoY	3Q	5.3%		6.0%	We see the annual rate easing to 5.3%yoy on the back of base effects
20:30	Australia	CPI Weighted Median QoQ	3Q	1%		1.0%	
20:30	Australia	CPI Weighted Median YoY	3Q	5.0%		5.5%	
20:30	Australia	CPI QoQ	3Q	1.10%		0.8%	We expect a strong rise driven by petrol and housing. Seasonal factors will also contribute to the increase.
20:30	Australia	CPI Trimmed Mean YoY	3Q	1%		5.9%	We see a 1%qoq rise for both Trimmed mean and weighted median that will push annual inflation down to 5% and 4.9% respectively
20:30	Australia	CPI Trimmed Mean QoQ	3Q	1.0%		0.9%	
20:30	Australia	CPI YoY	Sep			5.2%	
	Colombia	Industrial Confidence	Sep			3.7	
	Colombia	Retail Confidence	Sep			12.4	

Source: BofA Global Research, Bloomberg

# Wednesday Oct 25

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
4:00	Germany	IFO Business Climate	Oct	86.3		85.7	
4:00	Germany	IFO Current Assessment	Oct	88.5		88.7	
4:00	Germany	IFO Expectations	Oct	83.6		82.9	
4:00	Euro area	M3 Money Supply (yoy)	Sep	-1.5%		-1.3%	
4:00	Georgia	Refinancing Rate	-	9.5%	n.a.	10.0%	Low inflation and weak underlying pressures keep doors wide ope for cuts. However, the Bank will likely remain extremely cautious approach after resignations as well as potentially volatile inflation data going forward
7:00	US	MBA Mortgage Applications	Oct 20	_	_	-6.9%	
10:00	US	New Home Sales	Sep	700k	684k	675k	
10:00	Canada	Bank of Canada Rate Decision	25-Oct	5.00%	5.00%	5.00%	We expect the BoC to remain on hold with its overnight rate target at 5.00% on October 25. Falling core inflation and a weak econom will likely keep the BoC on hold. However, risks remain to the upsid as inflation is still above the target and the labor market remains tight.
15:00	Argentina	Supermarket Sales YoY	Aug			-2.50%	
15:00	Argentina	Shop Center Sales YoY	Aug			10.20%	
19:00	South Korea	GDP YoY	3Q A	1.5%	1.3%	0.9%	We expect growth to accelerate sequentially to 0.8% qoq sa (1.5% yoy) on improving net export amid drags from private consumption
20:30	Australia	Import Price Index QoQ	3Q			-0.8%	
20:30	Australia	Export Price Index QoQ	3Q			-8.5%	
	Costa Rica	Benchmark Interest Rate	25-Oct			6.50%	



Source: BofA Global Research, Bloomberg

# **Thursday**

	-+	7	C
U	CL	Z	o

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	Comments
1:00	Singapore	Industrial Production YoY	Sep			-12.1%	
3:00	Spain	Unemployment Rate	3Q	11.8%		11.6%	
5:30	South Africa	PPI (yoy)	Sep		n.a.	4.3%	
6:00		CBI Total Dist. Reported Sales	Oct	n.a.		-14.0	
6:00		CBI Retailing Reported Sales	Oct	n.a.		-14.0	
	Ukraine	NBU rates decision	-	19.0%	n.a.	20.00%	Low and slowing inflation keep doors wide open for cuts. We expect at least another 100bp
7:00	Türkiye	CBT rates decision	-	35.00%	n.a.	30.0%	We expect 500bp hike from the CBT as the policy rate needs to still catch up with bank rates mostly driven by regulations
7:30	Brazil	Current Account Balance	Sep	\$1.8bn		-\$778m	
7:30	Brazil	Foreign Direct Investment	Sep	\$4.9bn		\$4270m	We expect Foreign Direct Investment (FDI) at US\$4.9bn in September (from US\$4.3bn in August). FDI should remain high throughout 2023.
8:00	Brazil	IBGE Inflation IPCA-15 MoM	Oct	0.14%		0.35%	We forecast IPCA-15 inflation at 0.14% mom in October (from 0.35% mom in September). The moderate number comes from foodeflation, as well as a lower upward pressure from fuel and electric energy prices compared to previous months. Year-over-year, we expect the IPCA-15 to decelerate to 4.98% yoy (from 5.19% yoy previously).
8:00	Brazil	IBGE Inflation IPCA-15 YoY	Oct	4.98%		5.00%	<u> </u>
	Mexico	Unemployment Rate NSA	Sep	3.05%		2.96%	We expect unemployment at 3.05% in September
	Euro area	ECB Main Refinancing Rate	26-Oct	4.50%		4.50%	The expectation profit in the expectation
	Euro area	ECB Marginal Lending Facility	26-Oct	4.75%		4.75%	
	Euro area	ECB Deposit Facility Rate	26-Oct	4.00%		4.00%	
8:30		Initial Jobless Claims	Oct 21	205k	_	198k	
8:30		Wholesale Inventories m/m	Sep P			-0.1%	
8:30	US	GDP (qoq saar)	3Q A	4.5%	4.3%	2.1%	
8:30		Personal consumption (gog saar)	3Q A	4.0%	3.6%	0.8%	
8:30		GDP Price Index (qoq saar)	3Q A	2.5%	2.5%	1.7%	
8:30		Core PCE (gog saar)	3Q A	2.5%		3.7%	
8:30		Advance Goods Trade Balance	Sep	-\$89.5bn	-\$85.5bn	-\$88.5b	
8:30		Durable Goods Orders	Sep P	2.0%	1.1%	0.1%	
8:30		Durables Ex Transportation	Sep P	0.5%	0.3%	0.4%	
8:30		Core Capital Goods Orders	Sep P	0.3%	0.0%	0.4%	
8:30		Core Capital Goods Shipments	Sep P	0.4%	U.U 70	0.7%	
10:00		Pending Home Sales	Sep	-0.1%	1.0%	-7.1%	
	Argentina	Wages MoM	Aug	-0.170	1.070	11.00%	
	New Zealand	ANZ Consumer Confidence Index	Oct			86.4	
	New Zealand	ANZ Consumer Confidence MoM	Oct			1.6%	
	Chile	Overnight Rate Target	26-Oct			9.50%	
	Japan	Tokyo CPI Ex-Fresh Food YoY	Oct	2.4%	2.5%	2.5%	In the October Tokyo CPI, we expect Japan-style core CPI (ex fresh
<i>19.3</i> 0	учран 1	TORYO CELECATI ESTEL DOU TOT	ou	2.470	2.370	2.370	food) to edge lower by 0.1ppt to +2.4% YoY reflecting continued weakness of energy CPI. In the meantime, we expect ex-energy Bol style core CPI (ex fresh food and energy) to increase again to +3.9% YoY, from +3.8% YoY in September. In addition to another flurry of food price hikes, services prices will likely increase further at the beginning of 2H FY23, offsetting less favorable base effects in YoY growth term.
20:30	Australia	PPI YoY	3Q			3.9%	<del>.</del>
	Australia	PPI QoQ	3Q			0.5%	
	Argentina	Consumer Confidence Index	Oct			43.38	

Source: BofA Global Research, Bloomberg

# **Friday**

### Oct 27

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
2:45	France	Consumer Confidence	Oct	82.0		83.0	
3:00	Spain	GDP (qoq, P)	3Q	0.1%		0.5%	
3:00	Spain	GDP (yoy, P)	3Q	1.5%		2.2%	
3:00	Spain	Retail Sales (sa, yoy)	Sep	n.a.		7.2%	
4:00	Italy	Consumer Confidence Index	Oct	105.2		105.4	
4:00	Italy	Manufacturing Confidence	Oct	96.0		96.4	
4:00	Italy	Economic Sentiment	Oct	104.6		104.9	
6:00	Italy	Industrial Sales (wda, yoy)	Aug	n.a.		-1.6%	
6:00	Italy	Industrial Sales (mom)	Aug	0.3%		-0.4%	
7:30	Brazil	Total Outstanding Loans	Sep			5524b	We expect credit concessions to continue accelerate in September,
		_					as government credit debt renegotiation program called "Desenrola"
							as well as declining rates, should continue to improve credit
							availability.
8:00	Mexico	Imports	Sep			53737m	
8:00	Mexico	Exports	Sep			52360m	
8:00	Mexico	Trade Balance	Sep			-1377.1m	We expect the trade balance to post a deficit as consumption
							remains strong, with capital goods imports accelerating at the
							margin.
8:30	US	Personal Income	Sep	0.4%	0.4%	0.4%	
8:30	US	Personal Spending	Sep	0.6%	0.4%	0.4%	
8:30	US	PCE Headline Prices (mom)	Sep	0.3%	0.3%	0.4%	
8:30	US	PCE Headline Prices (yoy)	Sep	3.4%	3.4%	3.5%	
8:30	US	PCE Core Prices (mom)	Sep	0.3%	0.2%	0.1%	
8:30	US	PCE Core Prices (yoy)	Sep	3.7%	3.7%	3.9%	
8:30	US	Personal saving rate	Sep	3.7%	_	3.9%	
10:00	US	U. of Michigan Sentiment	Oct F	63.0	63.2	63.0	
13:30	Brazil	Central Govt Budget Balance	Sep	-R\$6.8bn		-26.4b	We expect the central government to register another deficit in

September of R\$6.8bn, following August deficit (R\$26.4bn). The reinstalment of federal taxes must have had a positive impact in the total tax collections from Government, diminishing its deficit.

Source: BofA Global Research, Bloomberg

# Quarterly Risk Calendar - October

**Exhibit 5: October calendar**There are 5 central bank meetings this month

	Political/Meeting		(none) Econom	ic Data Central Banks
Week #	Date	Country	Event	Details
	02-Oct		Economic Data	PMIs for Sweden, Norway, Eurozone (F), UK (F)
	02-Oct	NO	Economic Data	GDP
	02-Oct	EC	Economic Data	Unemployment Rate
Week #40	02-Oct	US	Economic Data	PMI Manufacturing
	02-Oct	US	Economic Data	ISM Manufacturing
	03-Oct	AU	Central Banks	RBA rates meeting
	03-Oct	SZ	Economic Data	CPI
	04-Oct	NZ	Central Banks	RBNZ rates meeting
	04-Oct		Economic Data	PMIs for Sweden, Eurozone (F), UK, US (F)
	04-Oct	US	Economic Data	ISMs
	04-Oct	US	Economic Data	ADP Employment Change
	05-Oct	AU	Economic Data	Trade Balance
	05-Oct	US	Economic Data	Trade Balance
	05-Oct	UK	Economic Data	PMI Construction
	06-Oct	US	Economic Data	Labor Market
	06-Oct	CA	Economic Data	Labor Market
	10-Oct	JN	Economic Data	Current Account Balance
	10-Oct	SW	Economic Data	GDP
	10-Oct	NO	Economic Data	CPI
Week #41	11-Oct	GE	Economic Data	CPI (F), Current Account Balance
Week # 41	12-Oct	UK	Economic Data	GDP, Trade Balance
	12-Oct	US	Economic Data	CPI
	13-Oct	SW	Economic Data	CPIF
	13-Oct	NZ	Political / Meeting	New Zealand Election
_	16-Oct	EC	Economic Data	Trade Balance
_	16-Oct	NZ	Economic Data	CPI
_	17-Oct	UK	Economic Data	Labor Market Report
_	17-Oct	CA	Economic Data	CPI
	18-Oct	UK	Economic Data	CPI
Week #42	18-Oct	EC	Economic Data	CPI (F)
	19-Oct	JN	Economic Data	Trade Balance
	19-Oct	AU	Economic Data	Labor Market Report
	19-Oct	EC	Economic Data	Current Account Balance
<u> </u>	19-Oct	NZ IN	Economic Data	Trade Balance
+	20-Oct	JN	Economic Data	CPI
<u> </u>	24-Oct	EC	Economic Data	PMIs for Eurozone (P), UK (p) and US (P)
<u> </u>	25-Oct	AU	Economic Data	CPI  Por Pater Meeting
Week #43	25-Oct	CA NO	Economic Data	BoC Rates Meeting
	25-Oct	NO EC	Economic Data	Unemployment Rate
	26-Oct 26-Oct	EC US	Economic Data  Economic Data	ECB rates meeting  GDP
+	26-0ct 31-0ct		1	GDP
Week #44	31-0ct 31-0ct	SW GE	Economic Data	CPI (P)
	31-0ct	JN	Economic Data  Economic Data	BoJ rates meeting
		GE		GDP (P)
	31-Oct 31-Oct	EC EC	Economic Data	GDP (P)  GDP (A), CPI (P)
	31-0ct 31-0ct	CA	Economic Data  Economic Data	GDP (A), CPI (P)
	31-Oct	NZ	Economic Data	Unemployment Rate

Source: BofA Global Research, Bloomberg



# **Quarterly Risk Calendar - November**

# Exhibit 6: November calendar

There are 5 central bank meetings this month

	Political/Meeting	3	(none) Economic Data	Central Banks
Week #	Date	Country	Event	Details
	1-Nov		Economic Data	PMIs for Sweden, Norway, UK (F) and US (F)
	1-Nov	US	Economic Data	ADP Employment Change
	1-Nov	US	Economic Data	ISM Manufacturing
	1-Nov	US	Central Banks	Fed rates meeting
	2-Nov	AU	Economic Data	Trade Balance
	2-Nov	SZ	Economic Data	CPI
Week #44	2-Nov	NO	Central Banks	Norgesbank rates meeting
Week #44	2-Nov	EC	Economic Data	PMI Manufacturing (F)
	2-Nov	UK	Central Banks	BoE rates meeting
	3-Nov	GE	Economic Data	Trade Balance
	3-Nov		Economic Data	PMIs for Sweden, UK (F), US (F)
	3-Nov		Economic Data	Unemployment Rate for EC and Norway
	3-Nov		Economic Data	Labor Market Report for US and Canada
	3-Nov	US	Economic Data	ISMs
	6-Nov		Economic Data	PMIs for EC (F), UK
	7-Nov	AU	Economic Data	RBA rates meeting
	7-Nov	US	Economic Data	Trade Balance
Week #45	8-Nov	GE	Economic Data	CPI
	8-Nov	JN	Economic Data	Current Account Balance
	10-Nov	UK	Economic Data	GDP
	10-Nov	NO	Economic Data	CPI
	13-Nov	GE	Economic Data	Current Account Balance
	14-Nov	UK	Economic Data	Labor Market Report
	14-Nov	SW	Economic Data	CPIF
	14-Nov	EC	Economic Data	GDP
	14-Nov	US	Economic Data	CPI
Week #46	14-Nov	JN	Economic Data	GDP
	15-Nov	UK	Economic Data	CPI
	15-Nov		Economic Data	Trade Balance for Japan and EC
	16-Nov	AU	Economic Data	Labor Market Report
	17-Nov	SW	Economic Data	Unemployment Rate
	17-Nov	EC	Economic Data	Current Account, CPI (F)
	20-Nov		Economic Data	Trade Balance for New Zealand, Switzerland
	21-Nov	CA	Economic Data	CPI
	23-Nov	NO	Economic Data	GDP
Week #47	23-Nov	SW	Central Banks	Riksbank rates meeting
week #47	23-Nov		Economic Data	PMIs for EC, UK
	23-Nov	JN	Economic Data	CPI
	24-Nov	GE	Economic Data	GDP (F)
	24-Nov	US	Economic Data	PMIs
	29-Nov	AU	Economic Data	СРІ
	29-Nov	NZ	Central Banks	RBNZ rates meeting
	29-Nov	SW	Economic Data	GDP
Week #48	29-Nov	GE	Economic Data	CPI
	29-Nov	US	Economic Data	GDP
	30-Nov	EC	Economic Data	CPI, Unemployment Rate
	30-Nov	CA	Economic Data	GDP

Source: BofA Global Research, Bloomberg



# **Quarterly Risk Calendar – December**

# **Exhibit 6: December calendar**

There are 7 central bank meetings this month

	Political/Meeting	g	(none) Economic Data	Central Banks
Week #	Date	Country	Event	Details
	01-Dec		Economic Data	PMIs for Sweden, Norway, US (F), UK (F) and Eurozone (F)
Week #48	01-Dec	SZ	Economic Data	GDP
	01-Dec	US	Economic Data	ISM manufacturing
	01-Dec	NO	Economic Data	Unemployment Rate
	01-Dec	CA	Economic Data	Labor Market Report
	04-Dec	GE	Economic Data	Trade Balance
	04-Dec	SZ	Economic Data	CPI
	05-Dec	AU	Central Banks	RBA Rates Meeting
	05-Dec		Economic Data	PMIs for Sweden, Eurozone (F), UK (F) and US (F)
	05-Dec	US	Economic Data	ISMs
	06-Dec	AU	Economic Data	GDP
Week #49	06-Dec	UK	Economic Data	PMI construction
	06-Dec	US	Economic Data	ADP Employment Change, Trade Balance
	06-Dec	CA	Central Banks	BoC Rates Meeting
	07-Dec	EC	Economic Data	GDP (F)
	07-Dec	JN	Economic Data	GDP (F), Current Account Balance
	08-Dec	SW	Economic Data	GDP
	08-Dec	US	Economic Data	Labor Market Report
	12-Dec	UK	Economic Data	Labor Market Report
	12-Dec	NO	Economic Data	GDP
	12-Dec	US	Economic Data	CPI
	13-Dec	GE	Economic Data	Current Account Balance
	13-Dec	UK	Economic Data	GDP, Trade Balance
	13-Dec	US	Central Banks	Fed Rates Meeting
Week #50	14-Dec	AU	Economic Data	Labor Market Report
	14-Dec	SW	Economic Data	CPIF
	14-Dec	SZ	Central Banks	SNB rates meeting
	14-Dec	NO	Central Banks	Norgesbank rates meeting
	14-Dec	UK	Central Banks	BoE rates meeting
	15-Dec	EC	Economic Data	Trade Balance
	15-Dec	SW	Economic Data	Unemployment Rate
Week #51	18-Dec	NZ	Economic Data	Trade Balance
	19-Dec	JN	Central Banks	BoJ rates meeting
	19-Dec	EC	Economic Data	CPI for Canada, Eurozone (F), and UK
	20-Dec	EC	Economic Data	Current Account Balance
	21-Dec	US	Economic Data	GDP (T)
	21-Dec	JN	Economic Data	CPI
		•	•	

Source: BofA Global Research, Bloomberg

# **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.

BofA Securities fixed income analysts regularly interact with sales and trading desk personnel in connection with their research, including to ascertain pricing and liquidity in the fixed income

## 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.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments. Rule 144A securities may be offered or sold only to persons in the U.S. who are Qualified Institutional Buyers within the meaning of Rule 144A under the Securities Act of 1933, as amended. SECURITIES OR OTHER FINANCIAL INSTRUMENTS DISCUSSED HEREIN MAY BE RATED BELOW INVESTMENT GRADE AND SHOULD THEREFORE ONLY BE CONSIDERED FOR INCLUSION IN ACCOUNTS QUALIFIED FOR SPECULATIVE INVESTMENT.

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.

The securities or other financial instruments discussed in this report may be traded over-the-counter. Retail sales and/or distribution of this report may be made only in states where these instruments are exempt from registration or have been qualified for sale.

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.

This report, and the securities or other financial instruments discussed herein, may not be eligible for distribution or sale in all countries or to certain categories of investors, including retail investors

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.bofaml.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 (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Mexico): Mexico): Merrill Lynch (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexic 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 HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Instruments and Instruments

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.

Futures and options are not appropriate for all investors. Such financial instruments may expire worthless. Before investing in futures or options, clients must receive the appropriate risk disclosure documents. Investment strategies explained in this report may not be appropriate at all times. Costs of such strategies do not include commission or margin expenses. 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.

This report may contain a trading idea or recommendation which highlights a specific identified near-term catalyst or event impacting a security, issuer, industry sector or the market generally that presents a transaction opportunity, but does not have any impact on the analyst's particular "Overweight" or "Underweight" rating (which is based on a three month trade horizon). Trading ideas and recommendations may differ directionally from the analyst's rating on a security or issuer because they reflect the impact of a near-term catalyst or event.

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

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 2023 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 inform

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

Ralph Axel Rates Strategist BofAS

**BofAS** 

ralph.axel@bofa.com

**Bruno Braizinha, CFA** Rates Strategist

bruno.braizinha@bofa.com

Mark Cabana, CFA
Rates Strategist
BofAS
mark.cabana@bofa.com

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

**Paul Ciana, CMT** Technical Strategist BofAS

paul.ciana@bofa.com

**Katie Craig**Rates Strategist
BofAS
katie.craig@bofa.com

**Izumi Devalier** Japan and Asia Economist BofAS Japan izumi.devalier@bofa.com

**Pedro Diaz** Caribbean Economist BofAS pdiaz2@bofa.com

Howard Du, CFA G10 FX Strategist BofAS yuhao.du@bofa.com

Christian Gonzalez Rojas LatAm Local Markets Strategist BofAS christian.gonzalezrojas@bofa.com

Abhay Gupta Emerging Asia FI/FX Strategist Merrill Lynch (Singapore) abhay.gupta2@bofa.com

Vadim Iaralov FX Strategist BofAS vadim.iaralov@bofa.com

Zumrut Imamoglu Turkey & Israel Economist MLI (UK) zumrut.imamoglu@bofa.com

**Takayasu Kudo** Japan and Asia Economist BofAS Japan takayasu.kudo@bofa.com

Mikhail Liluashvili EEMEA Local Markets Strategist MLI (UK) mikhail.liluashvili@bofa.com

**Tony Lin, CFA** >> Equity Strategist BofAS Japan tony.y.lin@bofa.com

Ronald Man Rates Strategist MLI (UK) ronald.man@bofa.com

Lucas Martin, CFA Sovereign Debt FI Strategist BofAS lucas.martin@bofa.com Shruti Mishra US and Global Economist BofAS smishra44@bofa.com

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

Claudio Piron Emerging Asia FI/FX Strategist Merrill Lynch (Singapore) claudio.piron@bofa.com

Ralf Preusser, CFA Rates Strategist MLI (UK) ralf.preusser@bofa.com

Michalis Rousakis FX Strategist MLI (UK) michalis.rousakis@bofa.com

Tatonga Rusike
Sub-Saharan Africa Economist
MLI (UK)
tatonga.rusike@bofa.com

**Sphia Salim**Rates Strategist
MLI (UK)
sphia.salim@bofa.com

**Erjon Satko**Rates Strategist
BofASE (France)
erjon.satko@bofa.com

Kamal Sharma FX Strategist MLI (UK) ksharma32@bofa.com

John Shin FX Strategist BofAS joong.s.shin@bofa.com

Adarsh Sinha FX Strategist Merrill Lynch (Hong Kong) adarsh.sinha@bofa.com

Agne Stengeryte Rates Strategist MLI (UK) agne.stengeryte@bofa.com

Meghan Swiber, CFA Rates Strategist BofAS meghan.swiber@bofa.com

Athanasios Vamvakidis FX Strategist MLI (UK) athanasios.vamvakidis@bofa.com

Janice Xue Emerging Asia FI/FX Strategist Merrill Lynch (Hong Kong) janice.xue@bofa.com

Shusuke Yamada, CFA FX/Rates Strategist BofAS Japan shusuke.yamada@bofa.com

Tomonobu Yamashita Rates Strategist BofAS Japan tomonobu.yamashita@bofa.com

**Shruti Mishra** US and Global Economist BofAS smishra44@bofa.com Aditya Bhave US Economist BofAS aditya.bhave@bofa.com

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

Robert Wood UK Economist MLI (UK) robert.d.wood@bofa.com

Helen Qiao China & Asia Economist Merrill Lynch (Hong Kong) helen.qiao@bofa.com

**Izumi Devalier** Japan and Asia Economist BofAS Japan izumi.devalier@bofa.com

**Takayasu Kudo** Japan and Asia Economist BofAS Japan takayasu.kudo@bofa.com

Michael Gapen US Economist BofAS michael.gapen@bofa.com

**Stephen Juneau** US Economist BofAS stephen.juneau@bofa.com

Jeseo Park US Economist BofAS jeseo.park@bofa.com

Chiara Angeloni Europe Economist BofA Europe (Milan) chiara.angeloni@bofa.com

**Evelyn Herrmann** Europe Economist BofASE (France) evelyn.herrmann@bofa.com

Alessandro Infelise Zhou Europe Economist BofASE (France) alessandro.infelise\_zhou@bofa.com

BofAS alex.cohen2@bofa.com **Micaela Fuchila** Fronomist

Alex Cohen

FX Strategist

Economist Merrill Lynch (Australia) micaela.fuchila@bofa.com

Antonio Gabriel LatAm Local Markets Strategist BofAS antonio.gabriel@bofa.com

Christian Gonzalez Rojas LatAm Local Markets Strategist BofAS christian.gonzalezrojas@bofa.com

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

Alex Cohen FX Strategist BofAS alex.cohen2@bofa.com



Howard Du, CFA

G10 FX Strategist BofAS

yuhao.du@bofa.com

Claudio Irigoyen

Global Economist

BofAS claudio.irigoyen@bofa.com

Aditya Bhave

US Economist **BofAS** 

aditya.bhave@bofa.com

Ralf Preusser, CFA

Rates Strategist MLI (UK)

ralf.preusser@bofa.com

Sphia Salim

Rates Strategist MLI (UK)

sphia.salim@bofa.com

Agne Stengeryte

Rates Strategist MLI (UK)

agne.stengeryte@bofa.com

Ronald Man

Rates Strategist MLI (UK)

ronald.man@bofa.com

Adarsh Sinha

FX Strategist Merrill Lynch (Hong Kong)

adarsh.sinha@bofa.com

Shusuke Yamada, CFA

FX/Rates Strategist BofAS Japan

shusuke.yamada@bofa.com

Erjon Satko

Rates Strategist BofASE (France) erion.satko@bofa.com

Ruben Segura-Cayuela

Europe Economist BofA Europe (Madrid)

ruben.segura-cayuela@bofa.com

Robert Wood

**UK Economist** 

MLI (UK) robert.d.wood@bofa.com

Evelyn Herrmann

Europe Economist

BofASE (France) evelyn.herrmann@bofa.com

Alessandro Infelise Zhou

Europe Economist

BofASE (France) alessandro.infelise\_zhou@bofa.com

Chiara Angeloni

Europe Economist

BofA Europe (Milan) chiara.angeloni@bofa.com

Stephen Juneau

US Economist

BofAS stephen.juneau@bofa.com

Anna (Caiyi) Zhang

Rates Strategist

BofAS caiyi.zhang@bofa.com

Jeseo Park

US Economist BofAS

jeseo.park@bofa.com

John Shin

FX Strategist BofAS

joong.s.shin@bofa.com

### Vadim laralov

FX Strategist

**BofAS** 

vadim.iaralov@bofa.com

### Carlos Capistran

Canada and Mexico Economist

BofAS

carlos.capistran@bofa.com

### Mikhail Liluashvili

EEMEA Local Markets Strategist

MLI (UK)

mikhail.liluashvili@bofa.com

### Mai Doan

CEE/Israel Economist/Strategy MLI (UK)

mai.doan@bofa.com

Zumrut Imamoglu

Turkey & Israel Economist

MLI (ÚK)

zumrut.imamoglu@bofa.com

Tatonga Rusike

Sub-Saharan Africa Economist

MLI (UK)

tatonga.rusike@bofa.com

Jean-Michel Saliba

MENA Economist/Strategist MLI (UK)

jean-michel.saliba@bofa.com

Merveille Paja

EEMEA Sovereign FI Strategist MLI (UK)

merveille.paja@bofa.com

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

>> 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.

