

Global Macro Watch

Known Unknowns Sep 11 – Sep 15

ECB rate decision

We see a 25bp hike on all three policy rates – still a very close call, but recent news supports a hike. We expect little forward guidance, but bias will be for more. First cut in June 2024 at the earliest. If September inflation print challenges our disinflation view, we would likely delay our call for the first cut.

US CPI, PPI and retail sales

Aug CPI likely stronger than in recent months. Headline likely rose by 0.6% m/m (3.6% y/y) in large part due to a surge in energy prices. For core inflation, we forecast a strong 0.2% m/m, resulting in the y/y rate declining by four-tenths to 4.3%. We forecast headline Aug PPI rose by 0.4% m/m mainly driven by a surge in energy & food prices. We look for core PPI to rise by 0.1% m/m and for core-core PPI to increase by 0.2% m/m.

UK labor data

Unemployment rate in July likely increased by a tenth to 4.3%. And, average weekly earnings (3M) likely came down to 8.0% y/y after 8.2% y/y with ex bonus to likely remain at 7.8% y/y.

The week ahead in Emerging Markets

There are monetary policy meetings in Pakistan, Peru, Georgia and Ukraine. CPI inflation in Brazil and India. IP and Retail sales in China.

In other data

US: CPI, PPI, retail sales, import & export price index, monthly budget statement, industrial production, empire manufacturing, U. Michigan sentiment, claims, Fed blackout.

Eurozone: ECB meeting, industrial production, trade balance, Eurogroup, while in Germany we get ZEW survey

UK: labor market report, GDP, industrial production, construction output, house price balance, and BoE speakers

Japan: industrial production

Australia: labor market report, New Zealand central bank speakers

Switzerland: sight deposits

Scandies: in Sweden, we get CPIF and inflation expectations. In Norway, we have CPI, GDP, and Norges Bank's regional network survey

For details see: Europe Economic Weekly, US Economic Weekly, Asia 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.

Timestamp: 10 September 2023 04:30AM EDT

10 September 2023

Table of Contents

Economics Rates & FX Global

Known Unknowns 2 Known Unknowns (EM) 3 Sunday 4 Monday 4 Tuesday 4 Wednesday 5 Thursday 6 Friday 7

10

14

Shruti Mishra

Research Analysts

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

Quarterly Risk Calendar - September

Quarterly Risk Calendar - November

Quarterly Risk Calendar - October

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

Pedro Diaz Caribbean Economist

+1 646 855 2575 pdiaz2@bofa.com

Global Economics Rates & FX

See Team Page for List of Analysts

Reserve Bank of Australia = RBA

Bank of England = BOE

European Central Bank = ECB

Bank of Canada = BOC

Consumer Price Index = CPI

Producer Price Index = PPI

Known Unknowns

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

	CBs									
Date	LDN	NY	HK	Country	Event	Period	BofAe	Cons.	Prev.	Details
	07:00	01:00	14:00	NO	CPI y/y	Aug	5.1%	5.4%	5.4%	M/m to likely fall by 0.5% after 0.4% rise
	07:00	01:00	14:00	NO	CPI Underlying y/y	Aug	6.5%	6.6%	6.4%	M/m to likely fall by 0.3% after 0.9% rise
Mon Sep 11	09:00	03:00	16:00	SZ	Total Sight Deposits CHF	Sep-08			467.6b	
топ вер тт	09:00	03:00	16:00	UK	BOE Chief Economist Huw Pill speech				ı	1
	10:00	04:00	17:00	EC	EU Commission Interim Economic Forecast					
	16:00	10:00	23:00	US	NY Fed 1-Yr Inflation Expectations	Aug	L		3.55%	
	00:00	18:00	07:00	UK	BOE's Catherine Mann speaks	On "post pa	ndemic ecoi	nomics: who	at does the	new normal look like?" in Ontario, Canada
	02:00	20:00	09:00	NZ	Pre-Election Economic and Fiscal Update					
	07.00	01.00	14.00	עוו	II O Un ampleyment Pate 3 Mths	1	4.20/	4.3%	4.2%	U-rate likely at 4.3%, average weekly earnings (3M
	07:00 07:00	01:00	14:00 14:00	UK UK	ILO Unemployment Rate 3Mths	Jul Jul	4.3% -170k	-175k	-66k	8% y/y after 8.2%. Ex bonus to likely remain at 7.8
Tue Sep 12		01:00	14:00	NO NO	Employment Change 3M/3M Mainland GDP m/m	Jul Jul	-0.1%	-1/3K	0.0%	
rue Sep 12	10:00	04:00	17:00	GE	ZEW Survey Expectations	Sep	-0.1%	-15.1	-12.3	
	10:00	04:00	17:00	GE	ZEW Survey Current Situation	Sep		-75.0	-71.3	
	10:00	04:00	17:00	EC	ZEW Survey Expectations	Sep		-73.0	-71.5	
	22:05	16:05	05:05	NZ	RBNZ Assistant Governor Silk speech	Эср			-3.5	Speaks on Liquidity at KangaNews summit
	22:05	16:05	05:05	NZ	RBNZ Assistant Governor Silk speech					Speaks on Liquidity at KangaNews summit
					·					GDP likely flat on month. Even on revised data the
	07:00	01:00	14:00	UK	Monthly GDP (m/m)	Jul	0.0%	0.0%	0.5%	suffered the largest cumulative output loss in Cov
	07:00	01:00	14:00	UK	Industrial Production m/m	Jul	-0.3%	-0.6%	1.8%	
	07:00	01:00	14:00	UK	Construction Output m/m	Jul	-0.5%	-0.5%	1.6%	
Wed Sep 13	07:00	01:00	14:00	UK	Visible Trade Balance Ex Precious Metals	Jul	-17.2bn	-16.1bn	-15.5bn	
	10:00	04:00	17:00	EC	Industrial Production SA m/m	Jul	-0.6%	-0.7%	0.5%	
	13:30	07:30	20:30	US	CPI m/m	Aug	0.6%	0.5%	0.2%	Rise due in large part to a surge in energy prices
	13:30	07:30	20:30	US	CPI y/y	Aug	3.6%	3.6%	3.2%	The y/y rate for core CPI likely declined by four-ten
	13:30	07:30	20:30	US	CPI Core m/m	Aug	0.2%	0.2%	0.2%	to 4.3% y/y
	00:01	18:01	07:01	UK	RICS House Price Balance	Aug	-55%	-55%	-53%	
	02:30	20:30	09:30	AU	Employment Change	Aug	20k	25.3k	-14.6k	We expect unemployment to inch up to 3.9% on t
	02:30	20:30	09:30	AU	Unemployment Rate	Aug	3.9%	3.7%	3.7%	back of higher participation rate and a rebound in
	02:30	20:30	09:30	AU	Participation Rate	Aug	66.8%	66.7%	66.7%	employment growth from the previous month.
	05:30	23:30	12:30	JN	Industrial Production m/m	Jul F			-2.0%	
	07:00	01:00	14:00	SW	CPIF y/y	Aug	4.9%	4.9%	6.4%	m/m CPIF to rise by 0.1% after -0.2%
	07:00	01:00	14:00	SW	CPIF excl energy y/y	Aug	7.0%	7.4%	8.0%	m/m CPIF ex energy to rise by 0.1% after 0.4%
Thu Sep 14	09:00	03:00	16:00	NO	Norges Bank Regional Network Report	3Q				
	13:15	07:15	20:15	EC	ECB Main Refinancing Rate	Sep-14	4.50%	4.38%	4.25%	We see a 25bp hike on all three policy rates – still
	13:15	07:15	20:15	EC	ECB Marginal Lending Facility	Sep-14	4.75%	4.75%	4.50%	very close call, but recent news supports a hike. W
	12.15	07.15	20.15	FC	ECD Describ Facilities Date	C 14	4.000	2.00%	2.750/	expect little forward guidance, but bias will be for
	13:15	07:15	20:15	EC	ECB Deposit Facility Rate	Sep-14	4.00%	3.88%	3.75%	more
	13:45 13:30	07:45 07:30	20:45 20:30	EC US	ECB's Lagarde speech	A		0.40	1.00/	Post policy rate decision conference by ECB presid
	13:30	07:30	20:30	03	Retail Sales Ex Auto m/m	Aug		0.4%	1.0%	Dies in headling mainly driven by a surge in an arm
										Rise in headline mainly driven by a surge in energy food prices. We look for core PPI to rise by 0.1% &
	13:30	07:30	20:30	US	PPI Final Demand m/m	Aug		0.4%	0.3%	core-core PPI to increase by 0.2% m/m
	15.50	07.50	20.50	- 03	1111 III Delland III/III	Aug		0.470	0.5 70	Volatility due to labor day but thelabor market
										continues to look pretty resilient as far as layoffs a
	13:30	07:30	20:30	US	Initial Jobless Claims Prospera "Big" Inflation Expectations	Sep-09	212k		216k	concerned I
	07:00	01:00	14:00	SW	Survey					
	08:45	02:45	15:45	EC	ECB's Villeroy speech					Speaks ay Eurofi conference
	08:45	02:45	15:45	EC	ECB's Lagarde speech					News conference following the Eurogroup meeting
	08:30	03:30	15:30	EC	Eurogroup					Held in Spain
Eri Con 1E										Due to higher crude oil prices due to supply side
Fri Sep 15	13:30	07:30	20:30	US	Import Price Index m/m	Aug	0.6%	0.3%	0.4%	factors
	13:30	07:30	20:30	US	Empire Manufacturing	Sep	0.0	-10.7	-19	
										We look for utility production to partially retrace s
										of the surge seen in July. Capacity utilization rate t
	14:15	08:15	21:15	US	Industrial Production m/m	Aug	0.2%	0.1%	1.0%	rise by a tenth to 79.4%
										Consumers less concerned compared to last year, l
	15:00	09:00	22:00	US	U. of Mich. Sentiment (P)	Sep	71.2	69.4	69.5	there is still much room for recovery



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

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

Source: BofA Global Research, Bloomberg. Forecasts as of Sep 8. Consensus forecasts are Bloomberg forecasts.



Known Unknowns (EM)

Exhibit 2: The week ahead in Emerging Markets

There are monetary policy meetings in Pakistan, Peru, Georgia and Ukraine. CPI inflation in Brazil and India. IP and Retail sales in China

	Speakers			Economic data		
	CBs			Meetings		
Date	London	NY	Hong Kong		Event	Expectations
	-		-	China	Aggregate Financing CNY	
10-15 Sep	-		-	India	BoP Current Account	
	8:00	3:00	16:00	Türkiye	Balance Unemployment rate	
	8:00	3:00	16:00	Czech Rep.	CPI (yoy)	
	8:00	3:00	16:00	Türkiye	Industrial production (yoy)	
11.6	0.00	3.00		Tulkiye	Manufacturing production	
11 Sep	12:00	7:00	20:00	South Africa	(yoy)	
	13:00	8:00	21:00	Mexico	Industrial Production NSA YoY	We expect industrial production to increase 3.0% yoy in July.
	11:00	6:00	19:00	Serbia	CPI (yoy)	Weakening domestic demand on the back of persistent strong base effect will likely push annual inflation down by close to 11p
	13:00	8:00	21:00	India	Industrial Production YoY	
	13:00	8:00	21:00	India	CPI YoY	
12 Sep	13:00	8:00	21:00	Brazil		We forecast IPCA inflation at 0.37% mom in August (vs 0.12% mom in July). We highlight the seasonal impact of education (mid-year tuition adjustments) and the increase in electricity bills, after the bonus from Itaipu brought deflation to the in the previous month. In yoy terms, IPCA should accelerate to 4.75% (vs 3.99% yoy previously).
12.5	9:00	4:00	17:00	Georgia	Refinancing Rate	With inflation close to zero the pressure for further monetary easing remains well in place despite remaining inflationary risks and uncertainties
13 Sep	13:00	8:00	21:00	Poland	Current account (EURmn)	
	13:00	8:00	21:00	Hungary	Central bank's minutes	
	7:30	2:30	15:30	India	Wholesale Prices YoY	
	12:00	7:00	20:00	Ukraine	NBU rates decision	With inflation close to zero the pressure for further monetary easing remains well in place despite remaining inflationary risks and uncertainties
14 Sep	13:00	8:00	21:00	Brazil	IBGE Services Volume MoM SA	We expect services volume to increase 0.9% momsa in July (vs 0.2% momsa in June). In yoy terms, the volume likely increased by 3.8% (from 4.1%). Families continue to favor consuming services, rather than purchasing goods.
	-	-	-	Pakistan	SBP Rate Decision	Inflation remains high, but is on a steady downward track, which should allow SBP to refrain from further tightening and keep rates on hold. Next IMF prograi review is still few months away, limiting pressure for tightening
	0:00	19:00	8:00	Peru	Reference Rate	We forecast the BCRP to keep the monetary policy rate on hold at 7.75% on September 14.
	2:20	21:20	10:20	China	1-Yr Medium-Term Lending Facility Rate	
	2:20	21:20	10:20	China	1-Yr Medium-Term Lending Facilities Volume	
	2:30	21:30	10:30	China	New Home Prices MoM	
15 Sep	3:00	22:00	11:00	China	Industrial Production YoY	
•	3:00	22:00	11:00	China	Retail Sales YoY	
	12:00	7:00	20:00	Israel	CPI (yoy)	We expect the inflation rate to increase again as base effects in July phase out. Focus will be on tradables inflation to see any evdience of pass-through from II weakness.
	13:00 8:00 21:00 Brazil Retail Sales YoY		Retail Sales YoY	We expect Core Retail Sales to increase 1.2% momsa in July (vs 0.0% momsa in June), positively influenced by food items deflation. In yoy terms, we expect it t grow 3.2% (from 1.3% yoy).		

Source: BofA Global Research, Bloomberg



Sunday Sep 10 - 15

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous Comments
	Mexico	Nominal Wages	Aug			8.90%
	Ecuador	Trade Balance	Jul			256.5m
	Guatemala	Current Account Balance	2Q			\$972.9m
	Dominican Republic	CPI MoM	Aug			0.45%
	Dominican Republic	CPI YoY	Aug			3.95%
	China	Aggregate Financing CNY	Aug		2600.0b	528.2b
	India	Exports YoY	Aug			-15.90%
	India	Imports YoY	Aug			-17.00%
	India	Trade Balance	Aug		- \$19600.0 m	- \$20670.0 m
	India	BoP Current Account Balance	2Q			-\$1.30b

Source: BofA Global Research, Bloomberg

Monday

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
2:00	Norway	CPI (mom)	Aug	-0.5%		0.4%	
2:00	Norway	CPI (yoy)	Aug	5.1%		5.4%	
2:00	Norway	CPI underlying (mom)	Aug	-0.3%		0.9%	
2:00	Norway	CPI underlying (yoy)	Aug	6.5%		6.4%	
3:00	Türkiye	Unemployment rate	Jul		n.a.	9.6%	
3:00	Czech Rep.	CPI (yoy)	Aug	8.4%	8.60%	8.80%	
3:00	Türkiye	Industrial production (yoy)	Jul		n.a.	0.6%	
4:00	Italy	Industrial Production (mom)	Jul	-0.3%		0.5%	
4:00	Italy	Industrial Production (wda, yoy)	Jul	n.a.		-0.8%	
4:00	Italy	Industrial Production (nsa, yoy)	Jul	n.a.		-0.8%	
7:00	South Africa	Manufacturing production (yoy)	Jul		n.a.	5.50%	
8:00	Mexico	Manuf. Production NSA YoY	Jul			0.80%	
8:00	Mexico	Industrial Production NSA YoY	Jul	3%		3.70%	We expect industrial production to increase 3.0% yoy in July.
8:00	Mexico	Industrial Production SA MoM	Jul	0.50%		0.60%	On a monthly basis, we expect IP to edge up 0.5% mom sa in July,
							driven by construction.
18:45	New Zealand	Card Spending Retail (mom)	Aug				
18:45	New Zealand	Net Migration SA	Jul				
18:45	New Zealand	Card Spending Total (mom)	Aug				
20:30	Australia	Westpac Consumer Conf SA (mom)	Sep				
20:30	Australia	Westpac Consumer Conf Index	Sep				
21:30	Australia	NAB Business Confidence	Aug				
21:30	Australia	NAB Business Conditions	Aug				
-	New Zealand	Pre-Election Economic and Fiscal Update	-				
	Mexico	ANTAD Same-Store Sales YoY	Aug			6.30%	
	Costa Rica	Economic Activity YoY	Jul			6.40%	
Sourco: I	Rof A Global Rospard						

Source: BofA Global Research, Bloomberg

Tuesday

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous Comments
2:00	UK	Claimant Count Rate	Aug	n.a.		4.0%
2:00	UK	Jobless Claims Change	Aug	20k		29k
2:00	UK	Average Weekly Earnings 3M (yoy)	Jul	8%		8.2%
2:00	UK	Weekly Earnings ex Bonus 3M (yoy)	Jul	7.8%		7.8%
2:00	UK	ILO Unemployment Rate 3Mths	Jul	4.3%		4.2%
2:00	UK	Employment Change 3M/3M	Jul	-170k		-66k
2:00	Norway	GDP (mom)	Jul	n.a.		0.0%
2:00	Norway	GDP Mainland (mom)	Jul	n.a.		0.0%
3:00	Spain	CPI (mom, F)	Aug	0.5%		0.5%



NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	Comments
3:00	Spain	CPI (yoy, F)	Aug	2.6%		2.6%	
3:00	Spain	CPI EU Harmonised (mom, F)	Aug	0.5%		0.5%	
3:00	Spain	CPI EU Harmonised (yoy, F)	Aug	2.4%		2.4%	
3:00	Spain	CPI Core (yoy, F)	Aug	6.1%		6.1%	
3:00	Spain	CPI Core (mom)	Aug	0.0%		0.0%	
5:00	Germany	ZEW Survey Expectations	Sep	n.a.		-12.3	
5:00	Germany	ZEW Survey Current Situation	Sep	n.a.		-71.3	
5:00	Euro area	ZEW Survey Expectations	Sep	n.a.		-5.5	
6:00	Serbia	CPI (yoy)	Aug	11.5%	11.8%	12.5%	Weakening domestic demand on the back of persistent strong base
							effect will likely push annual inflation down by close to 11p
6:00	US	NFIB Small Business Optimism	Aug		91.3	91.9	
7:30	Chile	Central Bank Economist Survey					
8:00	India	Industrial Production YoY	Jul		5.30%	3.70%	
8:00	India	CPI YoY	Aug		7.10%	7.44%	
8:00	Brazil	IBGE Inflation IPCA MoM	Aug	0.37%	0.36%		We forecast IPCA inflation at 0.37% mom in August (vs 0.12% mom in July). We highlight the seasonal impact of education (mid-year tuition adjustments) and the increase in electricity bills, after the bonus from Itaipu brought deflation to the in the previous month. In yoy terms, IPCA should accelerate to 4.75% (vs 3.99% yoy previously).
8:00	Brazil	IBGE Inflation IPCA YoY	Aug	4.75%	4.74%	3.99%	
11:00	Mexico	International Reserves Weekly	8-Sep			\$204247m	
18:45	New Zealand	Food Prices (mom)	Aug				
	Colombia	Consumer Confidence Index	Aug			-17.4	

Source: BofA Global Research, Bloomberg

Wednesday

	-	
		-2
3eu		
	-	_

NYT	Country	Data/Event	For	BotAe	Cons.†	Previous	Comments
2:00	UK	Monthly GDP (mom)	Jul	0.0%		0.5%	
2:00	UK	Monthly GDP (3m/3m)	Jul	0.3%			
2:00	UK	Industrial Production (mom)	Jul	-0.3%		1.8%	
2:00	UK	Industrial Production (yoy)	Jul	0.8%		0.7%	
2:00	UK	Manufacturing Production (mom)	Jul	-1.0%		2.4%	
2:00	UK	Manufacturing Production (yoy)	Jul	2.7%		3.1%	
2:00	UK	Index of Services (mom)	Jul	0.1%		0.2%	
2:00	UK	Index of Services 3M/3M	Jul	0.3%		0.1%	
2:00	UK	Construction Output (sa, mom)	Jul	-0.5%		1.6%	
2:00	UK	Construction Output (sa, yoy)	Jul	2.8%		4.6%	
2:00	UK	Visible Trade Balance GBP/Mn	Jul	-17.2bn		-15.5bn	
2:00	UK	Trade Balance GBP/Mn	Jul	-5.7bn		-4.8bn	
2:00	Romania	CPI (yoy)	Aug	8.8%	n.a.	9.4%	
2:00	Romania	Industrial production (yoy)	Jul	n.a.	n.a.	-5.50%	
4:00	Czech Rep.	Current account (CZKbn)	Jul	n.a.	n.a.	-58.58bn	
4:00	Georgia	Refinancing Rate	-	10.00%	n.a.	10.3%	With inflation close to zero the pressure for further monetary easing
							remains well in place despite remaining inflationary risks and
							uncertainties
5:00	Euro area	Industrial Production (sa, mom)	Jul	-0.6%		0.5%	
5:00	Euro area	Industrial Production (wda, yoy)	Jul	n.a.		-1.2%	
7:00	US	MBA Mortgage Applications	Sep 8	_	_	-2.9%	
8:00	Poland	Current account (EURmn)	Jul	n.a.	n.a.	2431mn	
8:00	Hungary	Central bank's minutes	-	-	-	-	
8:30	US	Consumer Price Index (yoy)	Aug	3.6%	3.6%	3.2%	
8:30	US	CPI Ex Food & Energy (yoy)	Aug	4.3%	4.3%	4.7%	
8:30	US	Consumer Price Index (mom)	Aug	0.6%	0.5%	0.2%	
8:30	US	CPI Ex Food & Energy (mom)	Aug	0.2%	0.2%	0.2%	
14:00	US	Monthly Budget Statement	Aug	-\$300bn	_	-\$220.8bn	
15:00	Argentina	Capacity Utilization	Jul			68.60%	
19:01	UK	RICS House Price Balance	Aug	-55.0%		-53.0%	
19:15	Australia	CBA Household Spending (yoy)	Aug				
19:15	Australia	CBA Household Spending (mom)	Aug				
21:00	Australia	Consumer Inflation Expectation	Sep				
	Australia	Employment Change	Aug	20.0k			

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous Comments
21:30	Australia	Unemployment Rate	Aug	3.9%		 We expect unemployment to inch up to 3.9% on the back of higher participation rate and a rebound in employment growth from the previous month.
21:30	Australia	Full Time Employment Change	Aug			
21:30	Australia	Part Time Employment Change	Aug			
21:30	Australia	Participation Rate	Aug	66.8%		
-	Georgia	Trade balance (USDmn)	Aug		n.a.	-683.7mn
-	Romania	Current account (EURmn)	Jul	n.a.	n.a.	-9826mn
Source: I	BofA Global Resea	rch, Bloomberg				

Thursday Sep 14

<u> </u>	<u> </u>						
NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
2:00	Sweden	CPI (mom)	Aug	0.2%		0.0%	
2:00	Sweden	CPI (yoy)	Aug	9.3%		9.3%	
2:00	Sweden	CPIF (mom)	Aug	0.1%		-0.2%	
	Sweden	CPIF (yoy)	Aug	4.9%		6.4%	
2:00	Sweden	CPIF Excl. Energy (mom)	Aug	0.1%		0.4%	
	Sweden	CPIF Excl. Energy (yoy)	Aug	7.0%		8.0%	
2:30	India	Wholesale Prices YoY	Aug		-0.55%	-1.36%	
7:00	Ukraine	NBU rates decision	-	21.00%	n.a.	22.00%	With inflation close to zero the pressure for further monetary easing remains well in place despite remaining inflationary risks and uncertainties
8:00	Brazil	IBGE Services Volume MoM SA	Jul	0.90%		0.20%	We expect services volume to increase 0.9% momsa in July (vs 0.2% momsa in June). In yoy terms, the volume likely increased by 3.8% (from 4.1%). Families continue to favor consuming services, rather than purchasing goods.
8:00	Brazil	IBGE Services Volume YoY NSA	Jul	3.80%		4.10%	
8:15	Euro area	ECB Main Refinancing Rate	14-Sep	4.50%		4.25%	
8:15	Euro area	ECB Marginal Lending Facility	14-Sep	4.75%		4.50%	
8:15	Euro area	ECB Deposit Facility Rate	14-Sep	4.00%		3.75%	
8:30	US	Initial Jobless Claims	Sep 09	212k	_	216k	
8:30	US	Producer Price Index (mom)	Aug	0.4%	0.4%	0.3%	
8:30	US	PPI Ex Food & Energy (mom)	Aug	0.1%	0.2%	0.3%	
8:30		PPI Ex Food, Energy, Trade (mom)	Aug	0.2%	_	0.2%	
		Advance Retail Sales	Aug	_	0.1%	0.7%	
8:30		Retail Sales Less Autos	Aug	_	0.4%	1.0%	
8:30		Retail Sales Less Autos and Gas	Aug	_	0.0%	1.0%	
8:30		Core Control	Aug	_	-0.2%	1.0%	
10:00		Business Inventories	Jul	_	0.1%	0.0%	
	Argentina	National CPI MoM	Aug			6.30%	
	Argentina	National CPI YoY	Aug			113.40%	
	Argentina	Greater Buenos Aires CPI MoM	Aug			6.20%	
	Argentina	Greater Buenos Aires CPI YoY	Aug			114.60%	
19:00	Peru	Reference Rate	14-Sep	7.75%		7.75%	We forecast the BCRP to keep the monetary policy rate on hold at 7.75% on September 14.
21:20	China	1-Yr Medium-Term Lending Facility Rate	15-Sep		2.50%	2.50%	
21:20	China	1-Yr Medium-Term Lending Facilities Volume	15-Sep		420.0b	401.0b	
	China	New Home Prices MoM	Aug			-0.23%	
	China	Industrial Production YoY	Aug		3.80%	3.70%	
22:00	China	Industrial Production YTD YoY	Aug		3.80%	3.80%	
22:00	China	Retail Sales YoY	Aug		3.00%	2.50%	
22:00	China	Fixed Assets Ex Rural YTD YoY	Aug		3.30%	3.40%	
22:00	China	Property Investment YTD YoY	Aug		-8.90%	-8.50%	
22:00	China	Residential Property Sales YTD YoY	Aug			0.70%	
0:00	Kazakhstan	Industrial production (yoy)	Aug		n.a.	2.7%	
-	Pakistan	SBP Rate Decision	-	22.0%	n.a.	22.0%	Inflation remains high, but is on a steady downward track, which should allow SBP to refrain from further tightening and keep rates on hold. Next IMF program review is still few months away, limiting pressure for tightening

Source: BofA Global Research, Bloomberg



pressure for tightening

Friday

Sep 15

NYT	Country	Data/Event	For	BofAe	Cons.†	Previous	s Comments
2:45	France	CPI EU Harmonized (mom, F)	Aug	1.1%		1.1%	
2:45	France	CPI EU Harmonized (yoy, F)	Aug	5.7%		5.7%	
2:45	France	CPI (mom, F)	Aug	1.0%		1.0%	
2:45	France	CPI (yoy, F)	Aug	4.8%		4.8%	
2:45	France	CPI Ex-Tobacco Index	Aug	116.8		116.8	
4:00	Italy	CPI FOI Index Ex Tobacco	Aug	118.7		118.7	
4:00	Poland	CPI (yoy)	Aug F	10.10%	n.a.	10.10%	
5:00	Euro area	Trade Balance (sa)	Jul	n.a.		12.5bn	
5:00	Italy	CPI EU Harmonized (yoy, F)	Aug	5.5%		5.5%	
7:00	Israel	CPI (yoy)	Aug	3.84%	n.a.	3.3%	We expect the inflation rate to increase again as base effects in July phase out. Focus will be on tradables inflation to see any evdience of pass-through from ILS weakness.
8:00	Brazil	Retail Sales YoY	Jul	3.20%		1.30%	We expect Core Retail Sales to increase 1.2% momsa in July (vs 0.0% momsa in June), positively influenced by food items deflation. In yoy terms, we expect it to grow 3.2% (from 1.3% yoy).
8:00	Brazil	Retail Sales MoM	Jul	1.20%		0.00%	
8:00	Brazil	Retail Sales Broad MoM	Jul	3.10%		1.20%	Broad Retail Sales should increase 3.1% in the month (vs 1.2% momsa), as new vehicles government incentive boosted sales in the month. In yoy terms, it should go up by 12.0% (vs 8.2% yoy).
8:00	Brazil	Retail Sales Broad YoY	Jul	12.00%		8.30%	J.J. ,
8:30	US	Import Price Index (mom)	Aug	0.6%	0.3%	0.4%	
8:30	US	Import Price Index ex Petroleum (mom)	Aug	-0.1%	_	0.0%	
	US	Empire Manufacturing	Sep	0.0	-11	-19	
9:15	US	Industrial Production	Aug	0.2%	0.1%	1.0%	
9:15	US	Manufacturing Production	Aug	0.2%	0.1%	0.5%	
9:15	US	Capacity Utilization	Aug	79.4%	79.3%	79.3%	
10:00	US	U. of Michigan Sentiment	Sep P	69.0	69	69.5	
11:00	Peru	Lima Unemployment Rate	Aug			6.30%	
11:00	Peru	Economic Activity YoY	Jul			-0.60%	
11:00	Colombia	Manufacturing Production YoY	Jul			-4.80%	
11:00	Colombia	Industrial Production YoY	Jul			-2.10%	
11:00	Colombia	Retail Sales YoY	Jul			-11.90%	
	Panama	CPI MoM	Aug			0.00%	
	Colombia	Central Bank's Economists Survey					

Source: BofA Global Research, Bloomberg



Quarterly Risk Calendar - September

Exhibit 4: September calendar

There are 9 central bank meetings this month

	Political/Meeting	Ţ	(none) Economic Data	Central Banks
Week #	Date	Country	Event	Details
	1-Sep	SZ	Economic Data	CPI
	1-Sep		Economic Data	PMIs for Sweden, Eurozone (F), Norway, UK (F), US
M - 1 #25	1-Sep	NO	Economic Data	Unemployment Rate
Week #35	1-Sep	US	Economic Data	ISM
	1-Sep	CA	Economic Data	GDP
	1-Sep	US	Economic Data	Labor market report
	4-Sep	GE	Economic Data	Trade Balance
	4-Sep	SZ	Economic Data	GDP
	5-Sep	AU	Central Banks	RBA rates meeting
	5-Sep		Economic Data	PMIs for Sweden, Eurozone (F) and UK (F)
	6-Sep	AU	Economic Data	GDP
	6-Sep		Economic Data	PMIs for UK, US (F)
Week #36	6-Sep	US	Economic Data	ISMs, Trade Balance
Week #30	6-Sep	CA	Central Banks	BoC rates meeting
	7-Sep	AU	Economic Data	Trade Balance
	7-Sep	EC	Economic Data	GDP (F)
	8-Sep	JN	Economic Data	GDP (F), current account balance
	8-Sep		Economic Data	GDP for Norway, Sweden
	8-Sep	GE	Economic Data	CPI (F)
	8-Sep	CA	Economic Data	Labor Market Report
	11-Sep	NO	Economic Data	CPI
	12-Sep	GE	Economic Data	Current Account Balance
	12-Sep	UK	Economic Data	Labor Market Report
_	13-Sep	UK	Economic Data	GDP, Trade Balance
Week #37	13-Sep	US	Economic Data	CPI
	14-Sep	AU	Economic Data	Labor market Report
	14-Sep	SW	Economic Data	CPIF
_	14-Sep	EC	Central Banks	ECB rates meeting
	15-Sep	EC	Economic Data	Trade Balance
_	19-Sep	EC	Economic Data	Current Account Balance
_	19-Sep	EC	Economic Data	CPI (F)
_	19-Sep	CA	Economic Data	CPI
_	20-Sep	JN	Economic Data	Trade Balance
<u> </u>	20-Sep	UK	Economic Data	CPI
<u> </u>	20-Sep	SW	Economic Data	Unemployment Rate
<u> </u>	20-Sep	US	Central Banks	Fed rates meeting
Week #38	20-Sep	NZ SW	Economic Data	GDP Riksbank rates meeting
	21-Sep 21-Sep	SZ	Central Banks Central Banks	SNB rates meeting
<u> </u>	•			
<u> </u>	21-Sep 21-Sep	NO UK	Central Banks Economic Data	Norgesbank rates meeting BoE rates meeting
<u> </u>	21-Sep	US	Economic Data	Current Account Balance
_	22-Sep		Central Banks	BoJ rates meeting
<u> </u>	22-Sep 22-Sep	JN JN	Economic Data	DOJ Fates Friedring (Pl
<u> </u>	22-Sep 22-Sep	NI,	Economic Data	PMIs for EC, UK, and US
+	27-Sep	AU	Economic Data	CPI
<u> </u>	27-Sep 27-Sep	NO NO	Economic Data	Unemployment Rate
<u> </u>	28-Sep	GE	Economic Data	СРІ
Week #39	28-Sep	US	Economic Data	GDP (T)
	29-Sep	UK	Economic Data	GDP (F)
<u> </u>	29-Sep	EC	Economic Data	CPI
<u> </u>	29-Sep	CA	Economic Data	GDP
	al Research Bloomherg		Leonomic Data	

Source: BofA Global Research, Bloomberg



Quarterly Risk Calendar - October

Exhibit 5: October calendar

There are 5 central bank meetings this month

	Political/Meeting		(none) Economic I	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
	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
Week #40	04-Oct	NZ	Central Banks	RBNZ rates meeting
Week #40	04-Oct		Economic Data	PMIs for Sweden, Eurozone (F), UK, US (F)
	04-Oct	US	Economic Data	ISMs
L	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
L	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
<u> </u>	18-Oct	UK	Economic Data	CPI
Week #42	18-Oct	EC	Economic Data	CPI (F)
<u> </u>	19-Oct	JN	Economic Data	Trade Balance
F	19-Oct	AU	Economic Data	Labor Market Report
<u> </u>	19-Oct	EC	Economic Data	Current Account Balance
F	19-Oct	NZ	Economic Data	Trade Balance
	20-Oct	JN	Economic Data	CPI
F	24-Oct	EC	Economic Data	PMIs for Eurozone (P), UK (p) and US (P)
-	25-Oct	AU	Economic Data	CPI
Week #43	25-Oct	CA	Economic Data	BoC Rates Meeting
-	25-Oct	NO	Economic Data	Unemployment Rate
-	26-Oct	EC	Economic Data	ECB rates meeting
	26-Oct	US	Economic Data	GDP
	31-Oct	SW	Economic Data	GDP
-	31-Oct	GE	Economic Data	CPI (P)
	31-Oct	JN	Economic Data	BoJ rates meeting
Week #44	31-Oct	GE	Economic Data	GDP (P)
-	31-Oct	EC	Economic Data	GDP (A), CPI (P)
-	31-Oct	CA	Economic Data	GDP
	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	Ę	(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	CPI
	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

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 markets

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); BofAŚE (France): BofA Śecurities Europe SA is authorized by the Autorité de Contrôle Prudential 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 (Canada): Merrill Lynch (Mexico): Merrill Lynch (Mexico): Merrill Lynch (Mexico) (Mexico): Merrill Lynch (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Me 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 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 in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securit

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 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 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



Research Analysts

Rates Strategist 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 Jaralov 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@hofa.com

Tony Lin, CFA >>

Equity Strategist

BofAS Japan tony.y.lin@bofa.com

Ronald Man Rates Strategist

MLI (UK)

ronald man@hofa.com

Lucas Martin, CFA

lucas.martin@bofa.com

Sovereign Debt FI Strategist

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

MLL (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)

erion.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

BofAS

meghan.swiber@bofa.com

Athanasios Vamvakidis

FX Strategist

MLI (UK)

athanasios.vamvakidis@bofa.com

Janice Xue

Rates Strategist

Merrill Lynch (Hong Kong) janice.xue@bofa.com

Shusuke Yamada, CFA

FX/Rates Strategist

shusuke.yamada@bofa.com

Tomonobu Yamashita

Rates Strategist

BofAS Japan

tomonobu.yamashita@bofa.com

Shruti Mishra US and Global Economist

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

Devika Shivadekar Economist

Merrill Lynch (Australia)

devika shiyadekar@hofa.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)

 $aless and ro. in felise_zhou@bofa.com$ Devika Shivadekar

Economist Merrill Lynch (Australia)

devika.shivadekar@bofa.com

Alex Cohen FX Strategist

BofAS alex.cohen2@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

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

jurisdictions.