

Global FX weekly

Ending the year with a bang

The View

Central banks mostly repeated (no policy rate change) but did not rhyme, with the Fed's dovishness, contrasting with others pushing back against rate cut pricing. The good news for USD bears is that the sell-off is largely consistent with underlying drivers, but a data "reality check" remains warranted in 1Q.

EUR Year Ahead: Pyrrhic Victory

We expect a stronger EURUSD in 2024 on a weaker USD and positive risk sentiment from central bank easing but also see risks in a market priced to perfection. Flows and positioning suggest a market-neutral EUR. Quant and vol are bearish EUR versus highbeta G10. Technicals support buying EUR dips for 2024 upside potential.

Charting UK Rates and FX

We expect more persistent risk premia being priced in the UK even as the BoE eventually starts cutting. BoE's successful recalibration of rate expectations is unlikely to be enough to carry GBP into a strong position in 2024. GBP sentiment appears modestly less bearish, with positioning in line. The Gilt short covering is largely complete.

BoJ preview: Laying the groundwork

We see policy unchanged next week but expect the BoJ to send further exit signals. Our base case remains NIRP/YCC exit at the January MPM. Beyond that, the pace of BoJ normalization should be gradual. Sell the fact in JPY and buy the fact in JGB.

Asia FX

KRW, SGD, and CNY fixings tend to appreciate most in December, THB in January. The result is sensitive to month-end versus month average data.

EM FX

In October, aggregate funds slightly reduced their bond holdings but increased their FX exposure in absolute terms.

MXN

The increase in Mexican exports to the US has been larger than the increase in Mexican imports from China.

Quant Insight

December bearish USD seasonality tends to be backloaded. Seasonality for the next 30 calendar days is most bearish USD versus AUD, NZD, and SEK.

Technicals

Our base-case year ahead view of lower DXY/higher euro persisted this week. We show bullish turns in AUDUSD, AUDNZD, NOKSEK, EURCHF. Gold next?

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Refer to important disclosures on page 24 to 26. Analyst Certification on page 23. 12637547

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See Team Page for List of Analysts

BoE: Bank of England

BoJ: Bank of Japan

JGB: Japan government bond

MPM: monetary policy meeting

NIRP: negative interest rate policy

YCC: yield curve control

Our medium-term views

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Exhibit 1: Our medium-term views

G10 and EM FX medium-term views

G10

We are bearish USD into 2024, looking for EURUSD at 1.15 by end-2024. In our base case, the US economy starts recoupling with the rest of the world, US disinflation continues, and the Fed cuts rates, supporting risk sentiment and pushing the USD lower from an overvalued level. But risks abound: in our main alternative scenarios the USD softens less than we expect, or even strengthens. We expect a stronger EUR and GBP next year mostly versus USD—we remain bearish on both Euro area and UK growth, seeing both EURUSD and cable driven by the US recoupling. We stay bearish on JPY through Q1 primarily on carry, expecting USDJPY to peak at 155 before falling to 142 by end-2024. We expect high-beta G10 FX to perform well but continue to have reservations on NZD and SEK. As for CHF, we expect the SNB to continue supporting it.

EM

USD/CNY continues to be caught between the central bank's resolve to stabilize CNY and a widening yield gap in favor of USD strength. We remain concerned about the coordinating and credibility of fiscal, monetary and FX policy and forecast USD/CNY forecast at o 7.55 end 1Q. We position short CNH against the CFETS basket. In Latam, we enter long BRL/MXN. In Latam, we find BRL very undervalued and MXN slightly overvalued. Brazil's real exchange rate is more than 15% cheap versus its long-run average with record trade surpluses as evidence. Mexico's real exchange rate is about 6% expensive. In EMEA FX, we are long PLN/CZK on relative value and monetary policy reaction functions.

Source: BofA Global Research

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Our key forecasts

Exhibit 2: Key BofA G10 and EM FX forecasts

Forecasts as of 14-Dec-2023

(EOP)	YE 2020	YE 2021	YE 2022	1Q23	2Q23	3Q23	YE 2024	YE 2025
EUR/USD	1.22	1.14	1.07	1.08	1.09	1.06	1.15	1.20
USD/JPY	103	115	131	133	144	149	142	136
GBP/USD	1.37	1.35	1.21	1.23	1.27	1.22	1.31	1.40
AUD/USD	0.77	0.73	0.68	0.67	0.67	0.64	0.71	0.71
USD/CNY	6.53	6.36	6.90	6.87	7.25	7.30	6.90	6.70
USD/BRL	5.20	5.58	5.29	5.06	4.79	5.03	4.75	5.00
USD/INR	73.07	74.34	82.74	82.18	82.04	83.04	82.00	81.00
USD/ZAR	14.69	15.94	17.04	17.80	18.85	18.92	17.80	18.40

Source: BofA Global Research. Forecasts as of 14-Dec-2023. YE = year-end.

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What we particularly like right now

Exhibit 3: Our latest G10 and EM FX trade recommendations

What we particularly like right now

G10	Rationale
Sell 1m 143.50/137.00 USDJPY put spread	We fade December BoJ risk premium. NIRP removal is not game changer for USD/JPY
Buy EUR/USD	We are bearish USD in 2024 on the start of Fed rate cutting cycle and normalization of the overvalued USD
Buy 3m 1.90-1.86 GBP/AUD put spread	Fiscal, current account and NIIP divergences compensate for the small negative carry. China recovery would help, head and shoulders top
Buy 4m EUR/GBP vol swap	EURGBP implied is at a historical low and should rise on diverging EZ-UK economic and fiscal outlooks
Sell EUR/NOK via 6m risk reversal (buy 11.35 put, sell 12.20 call)	We count on a softer USD, supported oil prices, a relatively hawkish Norges, valuation, and technicals
EM	
Long BRL/MXN	We open a new trade: long BRL/MXN at 3.52 spot (1y forward 3.58, target 4.00, stop 3.25) as one of our 2024 Top Trades
Short CNH/long narrow CFETS	We position short CNH against CFETS as we expect PBOC to lean against trade-weighted appreciation

Source: BofA Global Research. For pricing and risks, see Exhibits 24 and 26.

For complete list of open trades and those closed over the past 12 months, please see our latest Global FX Weekly (in this report, Exhibits 24-27).



Calls at a glance

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Thematic calls

- <u>Softer USD as US recouples and Fed eases policy</u>: We expect a softer USD to a still overvalued level as the US starts recoupling with the rest of the world (ROW) and the Fed eases (see our G10 FX Year Ahead report).
- <u>Bullish FX vol bias into 2024</u>: Our view is based on a combination of Year 4
 Presidential cycle seasonality, FX vol dynamic at the start of Fed cutting cycles, and low vol base (see our FX Quant/Vol Year Ahead report).
- Our main risk scenarios point to less soft or a stronger USD: we discuss a "no landing" US scenario, a high rates scenario on risk premium or fiscal concerns, a scenario with an oil price shock, and a China slowdown scenario (see our Macro Year Ahead report).
- A higher r* would likely be a US story, posing upside risks to our USD equilibrium estimates unless there are fiscal concerns or less appetite for US assets (see our Macro Year Ahead report).
- Mortgage structure matters for monetary policy: FX implications go against high beta currencies, because of faster policy transmission through housing (see the 14 August 2023 Global Economic Viewpoint).
- Flows & positioning: Into a busy year-end, investors are long NOK, GBP, and JPY, neutral EUR and USD, and short CHF (see the 11 December 2023 Liquid Cross Border Flows report).

Central Bank calls

Exhibit 4: G10 Central Bank calls

BoJ is meeting next week

Country	Next Meeting	BofA	Consensus	Prior	Narrative
US	31-Jan	5.38%	-	5.38%	The Fed delivered the dovish pivot that we expected heading into the December meeting. We expect the Fed to start cutting in June 2024 and proceed at a pace of 25bp per quarter. The cutting cycle should end at a neutral rate of around 3% in 2026. Risks are for an earlier - or faster - cutting cycle than we currently project. We cannot rule out a March cut solely on inflation data, while any sharp deterioration in the macro data would make such a decision easier.
Eurozone	25-Jan	4.00%	-	4.00%	In our base case the ECB starts cutting in June, but we could be just another much weaker-than-expected core inflation print away from pencilling in an April cut. We expect three cuts in 2024 starting in June (quarterly pace) and 5 cuts in 2025 (monthly pace) before the ECB pauses and resumes rate cuts in 2026.
Japan	19-Dec	-0.10%	-0.10%	-0.10%	We expect the BoJ to end negative interest rate policy (NIRP) and yield curve control, with the 23 Jan '24 MPM being our base case, and by April 2024 at the latest. We do not expect the BoJ to enter a swift hiking cycle and do not expect QT to start until 2025. We pencil in additional 25bp hikes in 4Q 24 and 2Q 24, taking Japan's policy rate to 0.5% by mid-2025
UK	1-Feb	5.25%	-	5.25%	We see cuts in the first half of next year as unlikely. We expect the first cut in February 2025 with risks skewed towards a 2H 2024 easing.
Canada	24-Jan	5.00%	-	5.00%	We expect five rate cuts in 2024 and another 3 in 2025
Australia	6-Feb	4.35%	-	4.35%	We expect no rate cuts in 2024 and the cash rate at 3.50 by YE 25
New Zealand	28-Feb	5.50%	-	5.50%	We expect seven rate cuts in 2024 and another 3 in 2025
Switzerland	21-Mar	1.75%	-	1.75%	We expect the SNB to start cutting later (September 2024) and less (quarterly to 0.5% by September 2025) than the ECB, with the risk of cutting even less. We now expect a more symmetric than before approach toward CHF.
Norway	25-Jan	4.50%	-	4.50%	Norges done with hikes but to remain cautious. We continue to look for two rate cuts in 2024, starting in 3Q, and another five in 2024. Symmetric risks.
Sweden	1-Feb	4.00%	-	4.00%	We look for three rate cuts in 2024 and another 5 in 2024, $$ similarly to the ECB, Downside $$ risks to this path.



Exhibit 4: G10 Central Bank calls

Bol is meeting next week

Country Next Meeting BofA Consensus Prior Narrative

Source: BofA Global Research, Bloomberg consensus forecasts as of 14-Dec-2023.

The view

Adarsh Sinha

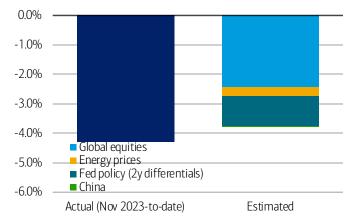
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The glass fills up for USD bears

At the end of November, we flagged that USD depreciation was nicely in line with its key drivers but predominantly driven by the equity rally (see the report, Good and bad news for USD bears 28 November 2023). We took a "glass half full" view, arguing that there was plenty of room for other factors (US recoupling and China recovery) to reinforce the USD downtrend. We thought that the market would err on the side of patience, awaiting evidence in the data. This still applies to China, but the Fed – starting with Governor Waller's speech and culminating in this week's dovish FOMC meeting – adopted a more preemptive than reactive approach to rate cuts. While this reduces the market's "data dependence" in the near term, a reality check may be warranted if the US economy stays resilient in 10.

Exhibit 5: DXY depreciation November 2023 to date – actual versus estimated

USD sell-off remains in line with its key drivers

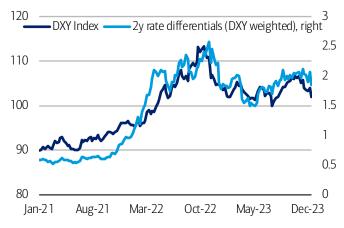


Source: Bloomberg, Note: China - reflation PCA, Fed policy - US 5y real rate, Energy prices - BCOMEN Index, Global equities - MSCI World

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Exhibit 6: DXY versus weighted 2y rate differentials

US rates fell through November, but differentials only moved after Waller speech



Source: Bloomberg

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Central banks repeated but did not rhyme

DXY depreciation is consistent with our latest "key drivers" estimate. Exhibit 5 shows that the sell-off remains mostly in line with that implied by its key drivers. But there is less "concentration risk," with rate differentials making a larger contribution relative to November. Other central banks, notably the ECB and BoE this week, pushing back more firmly against the pricing of rate cuts reinforces this trend into year-end. On the other hand, China's contribution to weaker DXY turned negligible, with the initial optimism around policy stimulus fading.



Accommodative monetary conditions remain paramount for China

It is clear that the promise of policy stimulus in China – even of the "big bang" variety – is insufficient to boost sentiment. Investors will likely err on the side of caution and await clear evidence of recovery in the data. In the meantime, accommodative monetary conditions remain paramount. This is why lower front-end yields and weaker CNY (in trade-weighted terms) remain our highest-conviction views in China. Alongside broader USD weakness, the deviation of daily USDCNY fixings from market expectations has moderated (Exhibit 7). From here, we expect the People's Bank of China (PBoC) to take advantage of a weaker USD backdrop to engineer CNY depreciation against the CFETS basket.

Ending the year with a Bank (of Japan)

Next week's Bank of Japan meeting is likely the last significant market event of the year. In the bigger scheme, NIRP removal at this meeting (a risk following Governor Ueda's recent comments) versus January 2024 (our base case) should not be a game changer for USDJPY (Exhibit 8). But the context matters – a surprise adjustment could reinforce the downward momentum following the Federal Open Market Committee (FOMC) meeting. However, we suspect that yen strength itself (among other factors) will tip the scales in favour of waiting until January (see the report, Bol preview: Laying the groundwork for an exit from NIRP 14 December 2023). And the longer-term balance of payments outlook, including potential household balance sheet diversification, keeps us cautious on yen appreciation in 2024.

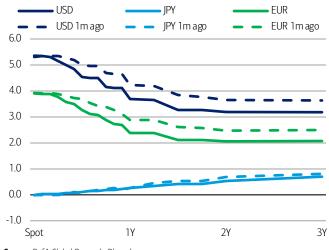
Exhibit 7: USDCNY spot versus deviation of fixing from estimate Small downward bias to fixing persists



source: Broomberg

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Exhibit 8: Forward x 1m OISChanges in JPY front ends remain too marginal



Source: BofA Global Research, Bloomberg



EUR Year Ahead: Pyrrhic Victory

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See the full report: FX Viewpoint: EUR Year Ahead: Pyrrhic Victory 15 December 2023

Pyrrhic Victory

We expect stronger EURUSD in 2024 but because of a weaker USD across the board and positive global risk sentiment on the back of central bank easing. Although the EUR remains historically weak against the USD, it is not misaligned against the rest of G10. US decoupling explains to a large extent EURUSD weakness, suggesting that US recoupling in 2024 will lead to a stronger EURUSD, even though we expect the Eurozone economy to remain weak. We expect the Fed and the ECB to cut rates at the same time and pace next year, but we argue that Fed cuts matter more, through positive global risk sentiment. Recent market moves are consistent with this view. However, we also see many risks, particularly in a market already priced to perfection.

Flows and positioning: market neutral EUR

We find the EUR positioning neutral to slightly long, with investors split. EUR has been under constant pressure this year from all client groups. In Q4, EUR flows have been less directional, suggesting that we may be past max EUR bearishness.

Quant and vol: bearish EUR versus G10 high-beta currencies

Our dynamic factor model for FX finds that the EUR is currently close to 2% overvalued both in trade-weighted terms and versus the USD. We prefer to short EUR on the crosses given that models show more prominent downtrends and bearish momentum signals, and long-dated risk reversals have overwhelming demand for EUR puts against G10 high-beta peers. We also expect EURGBP vol to move higher in Q1 2024 from a historical low.

Technicals: Buying EUR dips for 2024 upside potential

Our base-case 2024 year ahead view (see the 2024 FICC Technical Advantage report) sees DXY declining modestly to 100, with some potential for a proper bear market to reach 97.50, and gold rising to 2150/2300s. This is supportive for the EUR. It means that EUR retests the 2023 highs in the 1.12s and may extend its rally to 1.15 as wave (C) up completes. A risk to our view is if EYR rolls over in December 2023-January 2024 to form a head and shoulders top.



Charting UK Rates and FX - December 2023

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See the full report: <u>European Rates Viewpoint: Charting UK Rates and FX – December</u> 2023 12 <u>December 2023</u>

Rates: Left behind

We expect UK rates to continue to underperform cross-market. BofA Global Research economists see the BoE cutting later than either the Fed or the ECB. The inflation problem in the UK is more structural. The UK also has unique macro vulnerabilities: the current account deficit, weak public sector balance sheet, and large external liabilities. Despite slightly better-than-expected Gilt demand dynamics, supply should remain elevated in 2024. All of this points to more persistent risk premia being priced in the UK even as the BoE eventually starts cutting. We are short Gilts versus ACGBs, short Gilts on real yields versus EUR, and short the GBP front end versus EUR. In our full report, we outline our forecasts, near-term views regarding Thursday's Bank of England meeting, thoughts on Gilt supply-demand, and some of our key trade ideas.

FX: Waning Momentum

GBP has benefited from the improvement in the global risk outlook, a pricing out of front-end rate cuts, and positive data surprises. However, this is one of the least anticipated BoE meetings this year, and whilst the BoE has been successful in recalibrating UK rate expectations, this is unlikely to be enough to carry GBP into a strong position in 2024. Higher rates may imply attractive carry, but when compared to the impending data flow, it is a double-edged sword. Higher for longer is not the panacea for GBP, as rates remain at lofty levels for all the wrong reasons. BoE communication may become increasingly challenging in the coming months as the BoE tries to square the circle versus stubbornly high inflation.

Sentiment: Less bearish GBP sentiment

GBP sentiment is modestly less bearish but still bearish, with positioning roughly in line. The Gilt short covering is largely complete, with exposure and views aligned and relatively unchanged from last month.



BoJ preview: Laying groundwork for exit

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See our full report for more details: <u>Bol preview: Laying the groundwork for an exit 14</u> December 2023

BoJ communications in focus

The Bank of Japan policy board wraps up its last monetary policy meeting (MPM) of the year on Tuesday, 19 December. We expect the central bank to keep all key targets and yield curve control (YCC) parameters unchanged.

Though we expect policy to be on hold, we think that next week's MPM will be a pivotal meeting if the BoJ is looking to exit negative interest rate policy (NIRP) in early 2024, as we expect. We note that our base case, which we have maintained since September, is that the Bank of Japan will remove NIRP and YCC at its 23 January 2024 policy meeting, and April at the latest (see the report, <u>BoJ Watch: Inching closer to normalization</u>, 21 September 2023).

Our view is that, unlike the past two YCC adjustments which were delivered as a "surprise," the central bank would want market participants to fully anticipate the exit from NIRP. Thus, if we are correct that the BoJ is leaning towards an exit from NIRP at the January MPM, we should get further signals guiding towards such a move, either in the policy statement or Governor Ueda's post-MPM press conference.

Expected market reactions in each BoJ scenario

BofA Global Research expects a hawkish hold at December MPM and dovish hike in January MPM

	USDJPY	2yr JGB yield	10yr JGB yield	30yr JGB yield
Hawkish hike (hawkish surprise)	Sell-off by 3% or more	Rise to around 0.20%	Increase +10bps (short-term) and higher (medium-term)	Increase +5bps
Dovish hike (BofA base case for Jan MPM)	Knee jerk decline, followed by a rebound by 1%	Rise to around 0.10%	Increase +5bps and higher (medium-term)	Increase +2.5bps
Hawkish hold (BofA base case for Dec MPM)	Neutral (Knee jerk rise, but may fall again on expectations for Jan MPM)	Rise to around 0.10%	Unchanged	Unchanged
Dovish hold (dovish surprise)	Rise by 2-3%	Unchanged	Slightly decrease	Slightly decrease

Source: BofA Global Research



Tis the season(ality)

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See the full report: Asia FI & FX Strategy Watch: Tis the season(ality) 11 December 2023

Year-end returns and seasonality

Year-end is approaching, and investors are concerned that the recent rally in EM Asia FX and rates is stalling. An analysis of seasonality shows that December is one of the most favorable months for positive Asia FX seasonality. This is especially so for KRW, SGD, and CNY fixings – see Exhibit 9. In EM local debt returns, December is favorable for Indonesia, India, and Malaysia.

We derive these findings by looking at the past 21 years of data, using both the monthend closing prices and the average-of-the-month prices for currencies and for the past 12 years of data for our BofA ICE total return local government debt indices. We also examine the percent of times for each of the months positive returns have occurred over the past 21 years.

It should be stressed that past returns are no guarantee of future returns. That said, there are fundamental drivers that help to explain these seasonal patterns. They include, first, favorable trade balance performance towards year-end as import demand fades but exports tend to sustain. Second, remittances from overseas workers explain the year-end outperformance of PHP. Third, in Indonesia's case, there is a tendency of the debt management office to reduce auctions at the end of the year due to good fiscal performance and front-end revenue raising.

Exhibit 9: End-of-month % spot returns (21-year average)

Seasonality improves in December for Asia FX

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
USDCNY	0.48%	-0.12%	0.10%	-0.13%	-0.33%	-0.11%	0.19%	-0.26%	0.01%	0.09%	0.31%	0.44%
USDINR	0.39%	-0.47%	0.58%	-0.12%	-1.13%	-0.56%	0.03%	-1.39%	-0.03%	-0.11%	-0.65%	0.57%
USDIDR	0.53%	-0.30%	-0.60%	1.13%	-0.61%	-0.38%	0.12%	-1.46%	-0.87%	-0.36%	-0.89%	0.66%
USDKRW	-0.28%	-1.11%	0.50%	0.72%	-1.10%	-0.22%	0.59%	-1.05%	-0.59%	0.50%	-0.20%	1.33%
USDMYR	0.40%	-0.23%	0.42%	0.64%	-1.21%	-0.38%	0.19%	-0.84%	-0.71%	0.22%	-0.24%	0.54%
USDPHP	0.18%	-0.12%	0.19%	0.28%	-0.66%	-0.71%	0.41%	-0.93%	-0.29%	0.49%	0.25%	0.62%
USDSGD	0.09%	-0.16%	0.32%	0.66%	-0.59%	-0.06%	0.49%	-0.57%	-0.24%	0.47%	0.02%	0.67%
USDTHB	1.04%	0.01%	0.12%	-0.06%	-0.80%	-0.54%	-0.01%	0.09%	-0.29%	0.40%	0.44%	0.38%
USDTWD	0.27%	-0.04%	0.29%	0.48%	-0.27%	-0.36%	-0.28%	-0.59%	-0.19%	0.09%	0.53%	0.45%
DXY	0.25%	0.33%	-0.07%	-0.57%	0.65%	-0.03%	-0.30%	0.46%	0.18%	0.20%	-0.02%	-0.74%
CNY												
fixing	0.71%	-0.09%	0.04%	-0.03%	-0.37%	-0.14%	0.04%	-0.37%	0.07%	0.10%	0.21%	0.50%

Source: BofA Global Research, Bloomberg

Real Money Tracker – EM FX exposure up, bonds on hold

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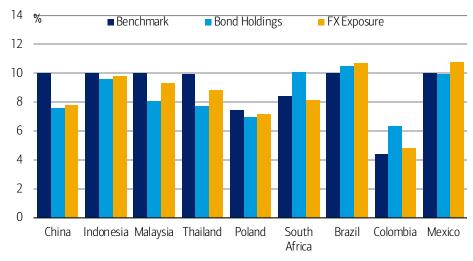
See the full report: <u>GEMs FI & FX Strategy Watch</u>: <u>Real Money Tracker – Colombia 1st</u> for FX, Thailand biggest underweight bonds 14 November 2023

In October, aggregate funds slightly reduced their bond holdings but increased their FX exposure (in absolute terms) to the top nine countries in the GBI-EM Global Diversified index. The underweight positions in bonds increased to 3.31% and underweight positions in FX reduced to 2.76%. Cash levels reduced after witnessing an increase in August and September, and duration exposure continued to decline and was 5.36 years by the end of October. Overweight positions were concentrated in Brazil, Colombia, and South Africa.

FX - MXN, followed by BRL most overweight

In October, MXN (0.77% overweight) was the most favored currency by GBI-EM indexed funds we track, followed by BRL. Funds continued to be overweight COP and remained underweight CNY, IDR, MYR, THB, and PLN. Funds turned underweight ZAR.

Exhibit 10: Emerging Markets Bond holdings and FX exposure in October 2023Colombia bonds and MXN most favored in the EM

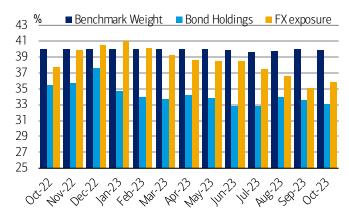


Source: BofA Global Research, Fund factsheets



Exhibit 11: Asia

Funds increased underweights in bond, reduced underweights in FX



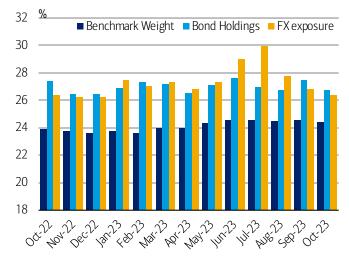
Source: BofA Global Research, Fund factsheets

Note: Asia region includes the countries – China, Indonesia, Malaysia, and Thailand

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Exhibit 13: LatAm

Funds reduced absolute exposure to bonds and FX

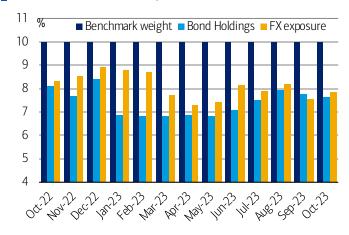


Source: BofA Global Research, Fund factsheets

BofA GLOBAL RESEARCH

Exhibit 12: China: Funds' exposure to Chinese bonds and FX

Funds reduced their absolute exposure to bonds and increased in CNY

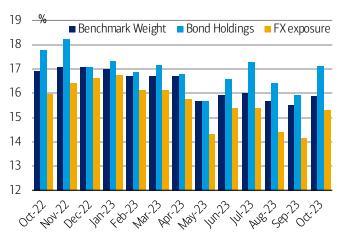


Source: BofA Global Research, Fund factsheets

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Exhibit 14: CEEMEA

Funds increased their absolute exposure to bonds and FX



Source: BofA Global Research, Fund factsheets

Note: CEEMEA region includes the countries – Poland, Russia and South Africa till Feb-22, only Poland and South Africa from Mar-22

Mexico: Is Mexico rerouting from China?

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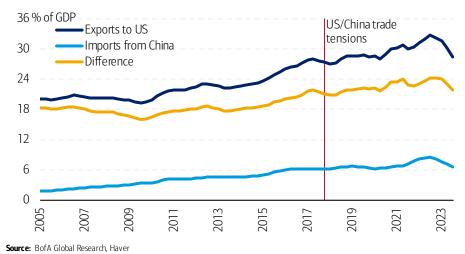
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See the full report: Emerging Insight: Mexico: Is Mexico rerouting from China? 13 December 2023

Exhibit 15: Mexican exports to the US and imports from China

An increase in Mexican exports to the US has not been explained by rising imports from China



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Is Mexico rerouting from China?

Mexico has been gaining market share in US imports since 2022, surpassing China as the top US trading partner. At the same time, Mexican imports from China have also increased, opening the possibility that Mexico may just be rerouting from China. However, we do not believe that to be the case. Mexican imports from China have been stagnant at around 6% of GDP since 2016, with only a brief uptick over 2021-2022. In contrast, Mexican exports to the US as percent of GDP show an increasing trend since around 2015, with volatility. Mexico is importing more from China, in dollar terms, because Mexico's economy is growing, which in part is due to US growth.



Quant Insight

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- Quant signals show that USD is at risk of turning lower again for rest of the month.
- Bearish USD December seasonality should also start to take shape after this week.

Broad trend remains to the downside for the USD

In the weekly Quant Insight publication (see the report, <u>FX Quant Insight: 11 December 2023</u>), we showed that the rebound at start of December was not sufficient to reverse the broad downtrend for the USD. Without new bullish catalysts, the downtrend for the USD would likely resume for rest of the month, as bearish seasonal factors kick in.

Exhibit 16: Bearish USD seasonality in December is backloaded towards end of the month

DXY December daily average return and hit ratio since 1973

date	avg return	hit ratio
1	-0.1%	47%
2	0.0%	47%
3	-0.2%	31%
4	0.0%	42%
5	0.1%	54%
6	-0.1%	43%
7	0.0%	59%
8	0.0%	53%
9	0.1%	57%
10	0.0%	47%
11	-0.1%	40%
12	-0.1%	38%
13	0.1%	70%
14	0.0%	50%
15	0.1%	69%

date	avg return	hit ratio
16	-0.1%	33%
17	-0.1%	37%
18	0.0%	57%
19	0.1%	53%
20	-0.1%	33%
21	0.1%	56%
22	0.0%	37%
23	-0.1%	41%
24	-0.1%	38%
25	0.0%	46%
26	-0.1%	36%
27	-0.2%	29%
28	-0.1%	49%
29	-0.1%	34%
30	-0.1%	42%
31	-0.1%	44%

Source: BofA Global Research, Bloomberg

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Exhibit 17: Seasonality for the next 30 calendar days is broadly bearish for the USD except versus GBP

G10 FX seasonality vs USD for the next 30 calendar days (since 1999)

	max return	average return	median return	min return	hit ratio
EUR	8.1%	0.5%	0.1%	-5.0%	57%
JPY	4.9%	0.3%	0.5%	-6.7%	65%
GBP	5.5%	-0.4%	-0.6%	-4.7%	39%
CAD	2.8%	0.4%	0.8%	-3.8%	70%
AUD	4.4%	1.1%	1.0%	-3.6%	70%
CHF	5.7%	0.7%	0.2%	-5.0%	74%
SEK	4.8%	0.9%	1.2%	-5.4%	70%
NZD	5.5%	1.3%	1.3%	-3.3%	70%
NOK	6.8%	0.7%	0.2%	-4.4%	57%

Source: BofA Global Research, Bloomberg

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December bearish USD seasonality is back-loaded

December tends to be one of the most bearish months of the year for the USD (see the report, <u>G10 FX Seasonality Primer</u>, <u>22 February 2021</u>). Exhibit 16 further shows that the bearish force tends to be backloaded for the USD in December. After December 21, the daily average return since 1973 would become negative for the DXY index. Hit ratio for up days also would not exceed 50% for rest of the year. Across currencies, G10 FX except GBP would tend to rally against the USD for the next 30 calendar days (Exhibit 17). The combination of average return and hit ratio since 1999 suggests that the bearish USD seasonality has been the strongest for AUD, NZD, and SEK.



Technical Strategy

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- Our base-case <u>2024 year ahead view</u> (see the 2024 FICC Technical Advantage report) sees DXY declining modestly to 100. A proper bear cycle may mean 97.50. This provided 1) gold rallies to the 2300s, 2) USD/EM supports break, 3) no bullish snapback signals like in <u>February 2023</u> and <u>April 2023</u> (see our FX Technical Advantage reports).
- This is bullish for the euro. It means that the euro retests the 2023 highs in the 1.12s and may extend its rally to 1.15 as wave (C) up completes. A key risk is if euro rolls over in December 2023-January 2024 to form a head and shoulders top (Exhibit 19).
- We show bullish turns in favor of higher AUDUSD, AUDNZD, NOKSEK, and EURCHF that may persist into year-end/early January 2024.

Short term: Range, MACD favors buying the dips for 1.12s

The daily chart trend is sideways. A cup and handle base in September-October 2023 set the short-term trend higher within the range. A bullish MACD cross suggests that the uptrend remains under way while above 1.0725 and it can trend to the upper end of range. Upside levels include 1.1050/1.1065, 1.1130/1.1153, and 1.1274.

Exhibit 18: EURUSD Daily chart

Euro is trading range bound, with upside potential due to higher highs and higher lows, a bullish MACD cross, and a cup and handle base in September-October 2023 setting the trend to up. Upside levels include 1.1050/1.1065, 1.1130/1.1153, and 1.1274. Uptrend remains while above 1.0725.





Medium term: Wave (C) up to 1.15, right shoulder a risk

Our wave count suggests that five waves down from 2021-2022 occurred and that three waves up in 2023-2024 are under way. The third wave up, or wave (C), suggests a retest of 2023 highs at +/- 1.1274 and/or new highs, such as 1.15. A risk to this view is if euro rolls over in December 2023-January 2024 to form the right shoulder of a head and shoulders top. This would challenge our view because it would suggest (at the very least) that the 1.0450-1.12 range remains and (more so) that a decline to parity becomes possible, again. We could also argue that a more bullish wave count is under way; however we would like to see the euro above the 200-week simple moving average (SMA) at 1.1153 to consider it further.

Exhibit 19: EURUSD Weekly

Wave (C) up to 1.1274/1.15 in 2024 is underway. A risk to our view is the right shoulder of a head and shoulders top forming in December 2023-January 2024.



Source: BofA Global Research, Bloomberg



Bullish moves for AUD\$, AUDNZD, NOKSEK, EURCHF

Exhibit 20: AUDUSD - daily chart

Bullish breakout above trend line resistance opens further upside potential for AUDUSD to rally into the .6900s while above .6525.



Exhibit 21: AUDNZD - Daily chart

Bullish turn from trend line support with room to rally to 1.0950/1.10. MACD crossing higher favors the turn up.





Exhibit 22: NOKSEK - Daily chart

Bullish turn from supportive 2023 lows looks like the start of a technical rally to the 200-day SMA near parity while above .9550/.9500.



Exhibit 23: EURCHF - Daily chart

 $Bullish\ turn\ from\ support\ near. 9400\ suggests\ a\ rally\ back\ to\ upper\ end\ of\ channel\ at\ .96000-.96500\ as\ MACD\ turns\ up\ to\ confirm.$



Trade Recommendations G10

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Exhibit 24: Open trades G10

Current G10 FX trade recommendations. Prices as of 14-Dec-2023.

Trade Description	Open Date	Entry Price	Expiry Date	Current Price	Rationale	Risks
Sell 1m 143.50/137.00 USD/IPY put spread	8-Dec-23	Receive 1.0024% USD (spot ref: 144.33, vol refs: 10.738 and 13.634)	10-Jan-24	141.82	We fade December BoJ risk premium. NIRP removal is not game changer for USD/JPY	Negative US surprises in coming weeks. Hedging by JP exporters amid thin holiday liquidity may also exacerbate the USD/JPY sell-off.
Buy EUR/USD	16-Nov-23	1.0859 (target 1.15, stop/loss: 1.04)	Spot trade	1.0988	The trade expresses our baseline cyclical bearish USD view for 2024 on the start of Fed rate cutting cycle and normalization of the overvalued USD	A later than expected start to the Fed rate cutting cycle
Buy 3m 1.90-1.86 GBP/AUD put spread	16-Nov-23	0.6806% GBP (spot ref: 1.9192, vol refs: 7.207 and 7.007)	19-Feb-24	1.9003	Fiscal, current account and NIIF divergences compensate for the small negative carry; China recovery would help, head and shoulders top	
Buy 4m EUR/GBP vol swap	16-Nov-23	5.01 (target: 6.00, stop/loss: 4.50)	1	Accumulated 3.74% realized vol Current 3m implied vo at 5.02	EURGBP implied is at a historical low and should rise blon diverging economic and fiscal outlook between EU and UK. Trade also used to diversification for the core bearish USD view for 2024	Persistent lowvol regime in FX market into Q1 2024
Sell EUR/NOK via 6m risk reversal (buy 6- month 11.35 put and sell 12.20 call)	16-Nov-23	Receive 0.7307% EUR (spot ref: 11.8623, vol refs: 8.929 and 9.108)	15-May-24	11.5188	Trade supported by constructive oil outlook, expectation for improved risk sentiment in 2024 on Fed cuts and mean reversion for the oversold NOK vs EUR, systematic technical sell signals	Lower NOK on weaker than expected risk sentiment

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Source: BofA Global Research



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Exhibit 25: G10 FX Closed trades Recently closed trades in G10 FX.

Trade Description	Entry date	Entry Level	Target	Stop	Close date	Level closed
Buy 1y 25-delta AUD/USD risk reversal (call strike 0.7391, put strike 0.6049)	17/11/22	Zero cost (spot ref: 0.6693, vol refs: 12.253 and 14.892)			17/11/23	0.65 (options expired worthless)
Buy CAD/MXN	23/10/23		14.00	13.00	01/11/23	13.00
Buy EUR/SEK via 3-month collar (buy 3m 11.8380 call, sell 3m 11.3143 put)	13/10/23	Zero cost (spot ref 11.5456, 3m 11.8380 call cost at 0.5676% EUR with vol ref 7.394%, 3n 11.3143 put cost same with vol ref 6.701%)	1		30/10/23	1.1199% EUR (spot ref: 11.8250, 11.8380 call costs c. 1.21% EUR with vol ref 6.98%, 11.3143 put costs 0.09% EUR with vol ref 6.51%)
Buy 6m GBP/AUD put seagull (long 6m put spread with strikes at 1.94 and 1.90, short 2.05 call)	08/09/23	0.3827% GBP (spot ref 1.9516, put spread vo refs: 8.346/8.099; short call ref: 8.450)	ıl		22/09.23	1.2341% GBP (spot ref 1.9006, vol refs 7.981 for 1.94 put, 7.477 for the 1.90 put, and 8.043 for the 2.05 call)
Sell 2m 0.89 USD/CHF put	23/06/23	Receiving 1.0126% USD (spot ref: 0.8967, vo ref: 6.44)			24/08/23	0.8845
Sell 2m 25-delta OTM EUR/GBP put	23/06/23	Receiving 0.31% EUR (strike ref 0.8472, vol ref 5.584, spot ref 0.8592, expiry August 24)			03/08/23	Spot ref 0.86470, vol ref :4.214)
Buy USD/SEK via 3m collar (buy 3m 10.73 call and sell 3m 9.8960 put)	19/07/23	Zero cost (spot ref: 10.2724, vol refs: 12.296% and 10.202%, expiry Oct 19)			01/09/23	1.3316% USD (spot ref: 10.6109, vol refs: 11.777% and 10.377%)
Buy 3m USD/CHF vol swap	14/04/23	8.15%	9.5%,	7.5%	14/07/23	Accumulated 7.6319%
Sell 1y 1.04 EUR/USD put	11/04/23	1.1445% EUR (spot ref: 1.0857, vol ref: 8.517)			23/06/23	0.5238% EUR (spot ref: 1.0960, vol ref: 7.42)
Buy NOK/SEK	28/04/23	0.9638	1.06	0.9280	21/06/23	1.0045
Enter 2m/6m USD/CAD put spread (sell 2m 1.40 put, buy 6m 1.40 put) Buy AUD/CAD	13/03/23	0.96% USD (spot ref: 1.3782, vol refs: 8.123/7.877) 0.9028		0.00	07/06/23	1.66% USD (spot ref: 1.3381) 0.89
Sell 3m 1.00/1.02905 EUR/CHF call spread	14/04/23 08/03/23	Neceive 0.4784% EUR (spot ref: 0.9935, vol refs: 5.651/6.606)		0.89	25/05/23 20/04/2023	-0.04% EUR (spot ref 0.98085, vo refs: 5.376/8.971)
Buy 4m USDJPY KI put with American barrier level at 131.50 and strike 128.11	23/01/23	1.8629% USD (spot ref: 130.27, vol ref: 12.312)			24/03/23	1.93% USD (spot ref 130.00,, vol ref: 13.85)
Buy 3m 10.2466/10.70 USD/SEK call spread	20/01/23	1.4689% USD (spot ref: 10.2971, vol refs: 12.752 and 13.307)			07/03/23	2.82% USD (spot ref: 10.7008, vo refs: 12.18/11.943)
Buy 1m 1.00075 EURCHF call	30/01/23	0.8031% EUR (spot ref: 1.00192, vol ref: 7.154)			24/02/23	0.99218
Buy 3 GBP/USD collar (sell 1.2850 call and buy 1.2000 put)	24/01/23	0.19% GBP (spot ref: 1.2400, vol refs: 9.4% and 11.0%)			17/02/23	1.6128% GBP (spot ref: 1.1991, vol refs: 9.961 and 10.287)
Sell USD/NOK via 6m collar (buy 6m 9.0227 put and sell 6m 10.10 call)	11/08/22	Zero cost (spot ref: 9.5063, vol refs: 12.481% and 13.890%)			13/02/23	10.0955 (expired worthless)
Sell EUR/CHF via 3m collar (long 0.98 pur and short 1.00 call)	01/11/22	0.5619% EUR (spot ref: 0.9879)			01/02/23	Spot ref: 0.99833
Buy 3m6m 25D USD/JPY put calendar spread (short 3m 25D OTM USDJPY put, long 6m USDJPY put; strike 132.70)	17/11/22	1.0185% USD (spot ref: 140.1, vol refs: 12.510 and 11.553)			17/01/23	1.8764% USD (spot ref 128.25, vol refs 15.591 and 13.069)
Buy AUD/NZD via 3m ATMF 1.0608/1.09 call spread	12/12/22	0.9638% AUD (spot ref: 1.0582, vol refs: 6.721% and 6.28%)			13/01/23	1.9730% AUD (spot ref: 1.0917, vol refs 6.929% and 6.504%)
Sell GBP/USD via 3m 1x2 1.1107/1.0405 put spread	11/10/22	0.6470% GBP (spot ref: 1.1085, vol refs: 16.89% and 19.09%)			11/01/23	Spot ref: 1.2146
Buy NOK/SEK	03/10/22	1.0234 (raised stop/loss to 1.0380 at spot level 1.0592)	1.11	0.9880 (new stop: 1.0380)	7/12/22	1.0380
Buy USD/JPY	03/11/22	147.3	155	143.4	10/11/22	143.4
Buy 3m EURGBP implied via vol swap	15/08/22	35.6116% EUR premium (expiry Nov 15, 2022, atm strike for 6.67%, spot ref 0.84388)			08/09/22	Strike 8.336%
Buy USD/CAD via 3m ERKO call (strike 1.2903, barrier 1.35, exp. Oct 18)	18/07/22	0.6614% USD (spot ref 1.2901, vol ref 8.61%			22/08/22	0.9027% USD (spot ref 1.3039)
Buy 6m EUR/NOK collar (buy 6m 9.6886 put and sell 6m 10.50 call, exp. Jan 30)	28/07/22	Zero cost (spot ref 9.9241, buy 6m 9.6886 put for 1.3512% EUR with vol ref 9.789%; sell 6m 10.50 call for the same price with vol ref 10.778%)			11/08/22	0.6488% EUR (vol refs 9.555% and 10.765%, spot ref 9.8154)



EM Alpha Trade Recommendations

David Hauner, CFA>> MLI (UK)

Claudio Irigoyen BofAS

Exhibit 26: Open trades

EM Alpha Trade Recommendations

FX	Entry date	Entry level	Current level	Target	Stop	Notion al	Rationale/ Time horizon	Risks
Long BRL/MXN	11/17/2023	3.52	3.539	4.00	3.25	10	Rate differentials, the euro and US yields will favor BRL. We also find BRL undervalued and MXN overvalued. The macro outlook looks better for Brazil than Mexico.	Main risks against the trade are a larger budget deficit in Brazil given its higher debt levels and strong inflows into Mexico due to nearshoring and/or remittances.
Short USDZAR	11/15/2023	18.15	18.52	17.6	18.55	10	last support for USDZAR at 18.13 now at risk before a retest of YTD lows (17.63-17.42) and/or a lower low; USDZAR is a proxy for EM FX. Light positioning + weakening US data + dovish Fed + soft US CPI = stronger EM FX and ZAR	The risk is sticky inflation and stronger-than-expected activity in the US.
Long PLNCZK	11/7/2023	5.51	5.67	5.78	5.34	10	PLN likely stronger with NBP hawkish as PO comes to power; we see CZK likely weaker as the CNB ultimately cuts	The risk is a more dovish-than- expected NBP
Long USDHUF	10/12/23	363.56	347.1	382	351	10	Stronger USD + weak BoP fundamentals in Hungary + still long positioning + focus on growth in Hungary = long USDHUF.	Weaker broader dolla.
1yr USD/CNH vol swap at 6.175%	8/2/23	6.175	5.635	-	5.00	10	The rising use of CNY for cross-border trade settlement should help to cut FX risk for local corporates and reduce the inflation pass-through from imported goods.	Weaker USD environment is typically associated with lower FX volatility and a more favorable EM FX environment
Buy 6m 25-delta call option for USDTWD	8/1/2023	31.6	spot(31.3)	31.9	29.8	10	We like having a tail risk hedge to USDTWD, covering the period around Taiwan's Presidential election.	China announcing material fiscal stimulus
Short RONCZK	5/24/2023	4.77	4.91	4.53	4.92	10	RON is overvalued + current account in Romania is not improving (unlike the peers) => weaker RON; hawkish CNB => stronger CZK	The risk is crowded positioning in Czechia and delayed depreciation in Romania
Buy 1y USDHKD 7.7670/7.8500 call spread	3/29/2023	Spot 7.8499	7.81	7.7670/7. 8500	-	10	Forward points in HKD is very low given the outperformance of HK vs US rates following the increase in US banking sector risk	Aggressive rally in US rates that significantly closes the HONIA-SOFR spread.

Source: BofA Global Research. Spot values as of Dec 14 2023. Bid/offer spreads accounted for in initiation and dosing levels. Does not reflect tax withholdings or any investment advisory fees. Past performance is no guarantee of future results. A complete performance record is available on request. Inception date – July 4, 2016 Initiation and dosing prices are priced as of trade publication. For additional discussion of baseline views, valuation and risks to open trades, please see links to detailed reports.



Exhibit 27: Closed trades EM Alpha Trade Recommendations

Trade description	Entry date	Entry Level	Target	Stop	Notional	Close date	Level closed
Long EURZAR	10/2/2023	20.150		19.6	10	16-Nov-23	19.7
Long INRUSD	1/18/2023					28-Sep-23	93.26
Short SGD/KRW	9/20/2023	974	945	990	10	28-Sep-23	969
Sell MXN/ZAR	9/25/23 5/4/23	1.09	1.02	1.13 3.68	10	28-Sep-23	1.04
Buy USD/PEN Long USDHUF	5/4/23 9/20/2023	3.72 358.4	3.8 375	3.66 347	10 10	28-Sep-23 28-Sep-23	3.8 47.96
Buy ZAR/CLP	9/7/23	45.08	48.6	347 44	10	25-Sep-23	4.6851
Long EURPLN	5/17/2023	4.5	4.725	4.365	10	12-Sep-23	4.6851
Short USDZAR through a call spread	8/9/2023	19.06 (for USDZAR)	-	-	10	23-Aug-23	0.57
Short EURHUF	8/4/2023	391.7	372.1	403.5	10	23-Jul-23	383.4
Sell CNH/CLP	6/15/2023	111.7	108	113.6	10	4-Aug-23	118
Short EURZAR	3/1/23	19.35	18.43	22	10	27-Jul-23	19.42
Buy a 3m digital call option on USDZAR	6/20/2023	23	17	18.7	10	5-Jul-23	35.5
Lond USDILS	6/15/2023	3.58	108	113.6	10	5-Jul-23	3.73
Short USDZAR	3/23/2023	18.16	17	18.7	10	15-Jun-23	18.2
Sell MXN/CLP	5/22/23 3/8/2023	44.85 4.43	42.00 4.65	47.00 4 ()	10 10	15-Jun-23	46.37 4.12
Long USDPLN Sell USD/BRL	5/8/2023 5/31/2023	4.43 5.08	4.65 4.85	4.0 5.2	10	15-Jun-23 13-Jun-23	4.12 4.85
Long KZT vs basket of USD and EUR via 3m NDF	5/25/2023	494.1	4.65	512	10	1-Jun-23	4.65
Sell EUR/BRL	23/Feb/23	5.43	5.20	5.80	10	18-May-23	5.34
Short PLNHUF	4/25/2023	82	77.9	84.5	10	15-May-23	81.95
Pay PHP NDF Points	3/8/2023	12	25	5	10	9-May-23	16
Long EUR/CZK		24.7					
Sell CNH/MXN	26-Oct-22	2.72	2.50	2.90		24-Apr-23	2.60
SELL USDZMW VIA 9M NDF	3/6/23	22.05	20	24	10	11-Apr-23	18.53
Sell ILSCZK	3/14/2023	6.12	5.6	6.5	10	11-Apr-23	5.9
Short PLNHUF	3/17/2023	84	79.8	86.5	10	29-Mar-23	81.3
Long USDTWD 12m NDF	11/18/2022	31.17		29.45	10	27-Mar-23	29.37
	2/16/2023	15110	14700	15400		8-Mar-23	
short ILSZAR	2/2/2023	81.65	4.74	5.14	10	13-Feb-23	4.98
Long USDILS	19-Oct-22	3.54	3.72	3.2	10	13-Feb-23	3.542
Short CZKHUF	1/18/2023	16.53	15.7	17.05	10	13-Feb-23	16.25
Long KZT vs an equal basket of USD and EUR (3m NDF)	1/16/2023	494.9	470.2	509.7	10	15-Feb-23	468
Short EURGEL (using 3m NDF)		2.714	2.94		10	1-Feb-23	
Buy USDZAR	1/19/2023	17.23	17.86	16.85	10	1-Feb-23	14
Short INR vs long IDR	11/18/2022	191.9	183	188	10	18-Jan-23	184.7
Sell CAD/MXN 3m forward	29-Sep-22	15.1	14	15.5	10	18-Jan-22	14.68
Sell EUR/MXN 3m forward	29-Sep-22	20.06	19.00	21.00	10	18-Jan-22	19.72
Long USDZAR	15-Nov-22	17.3	18	16.9	10	1-Dec-22	17.6
Short EURKZT using 3m NDF	4-Oct-22	493	468.37	507.8	10	31-Oct-22	478
Short PLN/HUF	23-Sep-22	85.3	81	93	10	10-Nov-22	85
ong THB NEER	17-Jun-21	112.27	112.27	111	10	14-Oct-22	100.6
	16-Mar-22						

Note: Bid/offer spreads accounted for in entry and closing levels. Does not reflect tax, withholdings or any investment advisory fees. Past performance is no guarantee of future results. A complete performance record is available on request. Inception date – July 4, 2016. For additional discussion on baseline views, valuation and risks to dosed trades, please see links to the relevant reports. Trade recommendations are highlighted green when the dosing value is greater than the entry value and red when the dosing value is less than or equal to the entry value. Source: BofA Global Research



World At A Glance Projections

Exhibit 28: G10 FX Forecasts Forecasts as of 14-Dec-2023

	Spot	Mar-24	Jun-24	Sep-24	YE 2024	Mar-25	Jun-25	Sep-25	YE 2025
G3									
EUR-USD	1.10	1.07	1.10	1.15	1.15	1.16	1.17	1.18	1.20
USD-JPY	142	155	150	146	142	140	138.00	136	136
EUR-JPY	156	166	165	168	163	162	161.00	160	163
Dollar Bloc									
USD-CAD	1.34	1.35	1.34	1.32	1.30	1.30	1.30	1.30	1.30
AUD-USD	0.67	0.66	0.68	0.71	0.71	0.71	0.71	0.71	0.71
NZD-USD	0.62	0.60	0.62	0.63	0.63	0.63	0.63	0.63	0.63
Europe									
EUR-GBP	0.86	0.87	0.87	0.88	0.88	0.87	0.87	0.86	0.86
GBP-USD	1.27	1.23	1.26	1.31	1.31	1.33	1.34	1.37	1.40
EUR-CHF	0.95	0.96	0.96	0.97	0.97	0.98	0.98	0.99	1.00
USD-CHF	0.87	0.90	0.87	0.84	0.84	0.84	0.84	0.84	0.83
EUR-SEK	11.24	11.70	11.40	11.20	11.10	11.10	11.00	10.90	10.80
USD-SEK	10.23	10.93	10.36	9.74	9.65	9.57	9.40	9.24	9.00
EUR-NOK	11.54	11.60	11.30	11.00	10.90	10.90	10.80	10.70	10.60
USD-NOK	10.50	10.84	10.27	9.57	9.48	9.40	9.23	9.07	8.83

Source: BofA Global Research, Bloomberg. Note: Forecasts as of 14-Dec-2023.

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Exhibit 29: EM FX Forecasts

Forecasts as of 14-Dec-2023

	Spot	Mar-24	Jun-24	Sep-24	YE 2024	Mar-25	Jun-25	Sep-25	YE 2025
Latin America									
USD-BRL	4.90	5.00	4.95	4.85	4.75	4.78	4.82	4.90	5.00
USD-MXN	17.31	17.80	17.90	18.30	18.50	18.70	18.90	19.10	19.50
USD-CLP	864	900	880	870	875	880	885	890	900
USD-COP	3,954	4,080	4,150	4,100	3,950	3,950	4,000	4,050	4,100
USD-ARS	801	1,118	1,493	1,856	2,280	2,797	3,336	3,924	4,500
USD-PEN	3.76	3.78	3.77	3.76	3.75	3.76	3.78	3.79	3.80
Emerging Euro									
EUR-PLN	4.32	4.36	4.33	4.29	4.25	4.24	4.23	4.21	4.20
EUR-HUF	380.06	390	395	400	399	387	375.00	362	350
EUR-CZK	24.38	24.80	25.20	24.80	24.30	23.90	23.50	23.00	22.60
USD-RUB		76.00	77.00	78.00	80.00				
USD-ZAR	18.43	18.60	18.50	17.70	17.80	17.90	18.00	18.20	18.40
USD-TRY	28.99	32.00	35.00	37.00	40.00	42.00	44.00	45.00	47.00
EUR-RON	4.97	5.01	5.02	5.04	5.05	5.13	5.21	5.28	5.36
USD-ILS	3.67	3.90	3.80	3.70	3.50	3.50	3.45	3.40	3.40
Asian Bloc									
USD-KRW	1,295.30	1,300	1,260	1,250	1,230	1,210	1,190.00	1,170	1,150
USD-TWD	31.32	32.30	31.70	31.40	31.15	30.85	30.60	30.35	30.15
USD-SGD	1.33	1.34	1.33	1.29	1.26	1.25	1.24	1.23	1.22
USD-THB	35.03	35.50	35.50	35.00	34.00	33.50	33.00	32.50	32.00
USD-HKD	7.81	7.83	7.83	7.80	7.78	7.76	7.75	7.75	7.75
USD-CNY	7.10	7.55	7.40	7.10	6.90	6.90	6.80	6.80	6.70
USD-IDR	15,497	15,400	15,400	15,300	15,200	15,200	15,100	15,100	15,000
USD-PHP	55.80	56.50	56.00	55.50	55.00	54.50	54.00	53.50	53.00
USD-MYR	4.67	4.70	4.60	4.60	4.50	4.40	4.30	4.20	4.10
USD-INR	83.33	83.00	82.50	82.00	82.00	81.50	81.00	81.00	81.00

Source: BofA Global Research, Bloomberg. Note: Forecasts as of 14-Dec-2023.



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