

# **EEMEA Strategy Watch**

# Egypt is most exposed to El Nino

## El Nino might cause a delay in EGP depreciation

Egypt's high inflationary backdrop and exposure to soft commodities make it most vulnerable to El Nino (Exhibit 1). An inflation shock could reduce authorities' willingness to allow near-term EGP flexibility, especially in the lead-up to early presidential elections. This opens the door for the EGP carry trade through NDFs in the short term.

## Not much impact on front-end rates from El Nino

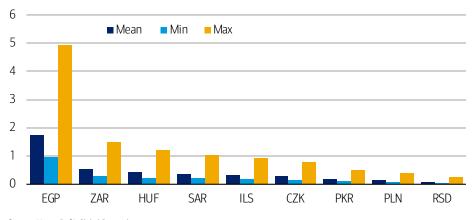
We see limited risks to our baseline for policy rates in major EEMEA countries from El Nino. The highest risks are in SA, which is one reason we do not receive front end there.

# Hiking cycles are over in EEMEA: receive in Czechia

In all EEMEA countries, central banks have either ended hiking or started easing. Everywhere, except Israel and South Africa, the 1y swap is below the interbank rate suggesting that receiver trades have started (Exhibit 2). For more details, see <a href="Emerging Insight: Front-end">Emerging Insight: Front-end</a> rates: the most inefficient market in EEMEA 16 August 2022.

Our highest conviction receiver trade is in Czechia where we like to receive FRA 12x15 and pay the November central bank meeting to hedge the risk of a delayed start to the cutting cycle (open: -2.44, current: -2.50, target: -2.84, stop: -2.19). For more details, see EM Alpha: Cuts are around the corner: enter a FRA flattener in Czechia 16 August 2023. El Nino risks are unlikely to significant impact the easing cycle in Czechia, in our view.

# **Exhibit 1: Egypt is most exposed to El Nino**Average peak inflationary impact of a mild, average, and severe El Nino in EEMEA



**Source:** Haver, BofA Global Research

BofA GLOBAL RESEARCH

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

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst

under the FINRA rules.
Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take

Refer to "Other Important Disclosures" for information on certain Both Securities entities that take responsibility for the information herein in particular jurisdictions. **Bofh 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 5 to 7.

12603470

Timestamp: 18 September 2023 06:42AM EDT

#### 18 September 2023

#### EEMEA Strategy EEMEA

#### Mikhail Liluashvili

EEMEA Local Markets Strategist MLI (UK) +44 20 7996 1142 mikhail.liluashvili@bofa.com

#### Mai Doan

CEE/Israel Economist/Strategy MLI (UK) +44 20 7995 9597 mai.doan@bofa.com

#### Zumrut Imamoglu

Turkey & Israel Economist MLI (UK) +44 7749 727 494 zumrut.imamoglu@bofa.com

#### Vladimir Osakovskiy >> EEMEA Sov.Credit/EQ strategist Merrill Lynch (DIFC) +971 4 425 8291 vladimir.osakovskiy@bofa.co m

#### Tatonga Rusike

Sub-Saharan Africa Economist MLI (UK) +44 20 7996 8446 tatonga.rusike@bofa.com

#### Jean-Michel Saliba

MENA Economist/Strategist MLI (UK) +44 20 7995 8568 jean-michel.saliba@bofa.com

#### David Hauner, CFA >> Global EM FI/FX Strategist MLI (UK) +44 20 7996 1241 david.hauner@bofa.com

**EEMEA FI Strategy & Economics** MLI (UK)

# **GEMs FI Strategy & Economics** BofAS

See Team Page for List of Analysts

For a list of open trade recommendations and trade recommendations closed in the last 12 months, see <u>Global Emerging Markets Weekly: Trading cycles 15 September 2023</u>

### **Abbreviations**

EEMEA is Emerging Europe, Middle East and Africa

BOI is Bank of Israel

CEE is Central and Eastern Europe

SA is South Africa

NDF is non-deliverable forward

# Egypt is most exposed to El Nino

We use the methodology developed by our LatAm colleagues to estimate the potential impact of El Nino on EEMEA countries. For more details on methodology, see <a href="Emerging Insight: LatAm - El Nino may complicate disinflation 17 July 2023">Emerging Insight: LatAm - El Nino may complicate disinflation 17 July 2023</a>

### Besides the Czech front end receiver, we pay in Poland

In Poland, we have broken our rule of thumb and pay 1y swap with the December IMM start date (open: 4.28, current: 4.25, target: 5.1, stop: 3.75) as the central bank is unlikely to deliver the amount of easing priced into the curve either in our baseline or more dovish alternative scenario. We also think the usual strong correlation between 1y/2y swaps and the policy rate is likely to break down as the NBP cuts rates when inflation is at 10%.

We have a receiver bias in South Africa and Hungary as we like to receive after the last hike and because the market is more hawkish than our policy rate forecast in South Africa. However, with oil prices rising and the entry point not looking particularly attractive, we await better entry levels in both countries. Moreover, El Nino is also an upside risk for food prices in South Africa. As a result, we might see a delay in the cutting cycle.

In Israel, politics drives the front end and, without stabilization (or reduction) of political risks, it would be difficult to see it repricing lower.

### Egypt: El Nino exacerbates inflation vulnerabilities

Egypt's high inflationary backdrop and exposure to soft commodities make it vulnerable to a deterioration in global weather conditions. A further inflation shock could reduce the authorities' willingness to allow EGP flexibility and limit their ability to get the International Monetary Fund (IMF) program back on track. Urban inflation stood at 37.4% year-on-year (yoy) in August, with food price inflation at 68.7% yoy. The weight of food in the Consumer Price Index (CPI) is high at 34.4%.

El Nino could worsen drought conditions in Nile river countries (including Egypt), and impact Nile river annual water levels. The completion of the filling of the Grand Ethiopian Renaissance Dam (GERD) could further jeopardize water availability in Egypt as weather conditions warm up. Egypt's national adaptation strategies include prioritizing crops with lower water requirements, modernizing irrigation methods, and introducing water consumption saving schemes.

Egypt is also among the world's largest importers of wheat, most of which comes from Russia and, to a lesser extent, from Ukraine. To improve purchase terms, Egypt's General Authority for Supply Commodities (GASC) shifted to direct purchases rather than tenders, and diversified suppliers (despite reported payment lags). Authorities also provided incentives for local farmers to boost local wheat production. Egypt's wheat stockpiles remain relatively comfortable at 4.6 months as of August 2023, according to the authorities.

The authorities have also focused on raising trade and multilateral financing to reduce external financing pressures emanating from exogenous commodity price shocks. In August 2023, the authorities agreed to a US\$0.5bn 5-year wheat supply deal with the UAE-based Al Dahra and the Abu Dhabi Exports Office. In May 2023, the Saudi-based International Islamic Trade Finance Corporation (ITFC) doubled its credit limit to Egypt to US\$6bn to support purchases of wheat and petroleum products.

In June 2022, the World Bank approved a US\$0.5bn loan under the Emergency Food Security and Resilience Support Project to support reforms in food security policies, and in December of that year it approved US\$0.5bn in financing to expand and strengthen Egypt's social safety net.



### El Nino phenomenon is a low to moderate risk in South Africa

Weather experts are flagging the risk of the El Nino phenomenon in the coming months. The direct impact is likely to be drought conditions that could lead to a delayed start to planting and below normal rainfalls which negatively impact crop yields resulting in higher food prices.

The rainy season falls around November to March, which coincides with the summer. South Africa has been experiencing La Nina, the opposite phenomenon, over the past three years – in effect, above-average rainfall. So that can help mitigate the El Nino phenomenon given some reserves are already in the system. The last El Nino was in the 2015/16 rainy season and largely resulted in higher food prices and inflation exceeding the upper end of the 6% target, from around 5%.

#### El Nino impact on food prices in CEE muted in short run, but watch longer term

El Nino typically affects CEE relatively less than in other regions, but it may add to the risk of persistent inflation in 2024, following a prolonged period of high inflation. Food inflation patterns since 2000 do not reveal any major impact of past El Nino events on CEE food inflation in the short run.

We investigate monthly food price growth in the years when El Nino started (T) and one year after (T+1) vs the sample. We do not see any significant evidence of higher food prices in CEE between Mar-Dec (T) through to May (T+1) compared to the sample median. Together with the currently high food retailers' margins (well above long-term trends in Hungary, Poland and Romania), we do not see any major risks to near-term food disinflation trends in the region.

However, in Jun-Dec (T+1), CEE food price growth tends to outperform the sample – Czechia, followed by Hungary, records the most deviation during this period. The keen-to-cut central banks may thus want to be cautious with the easing cycle, particularly in Hungary and Poland where inflation will likely remain well above targets in 2024.

#### El Nino should not make a difference to BOI's path

Inflation in Israel has been moderating since it peaked at 5.4% in January. BOI expects headline inflation to hit the upper-bound of the target range of 3% by 1Q 2024. Food inflation (excluding fruit and vegetables) decreased from a peak of 5.9% to 4.4% in July. Results of our study show that on average episodes of El Nino could have an adverse effect on food inflation in Israel but at low levels of c.0.3%. This is mainly due to agricultural imports, mostly grain and animal feed that impact food prices locally. However, even in extreme cases, our study shows the impact would not be large enough to tame the moderation in headline inflation this winter. Therefore, we don't expect El Nino to impact the monetary policy path implied by our forecasts. If Israel harmonizes its food regulation with that of the EU as planned, this may help ease medium term food inflation.

#### Pakistan: El Nino is one of many risks

The UN Global Climate Risk index lists Pakistan as the fifth-most vulnerable country to climate change globally as it is exposed to an increasingly high risk of severe extreme weather events. Taking this into account, our findings of a relatively small exposure to the El Nino effect is a bit surprising. We attribute this to the fact that apart from El Nino Pakistan seems to be impacted by many other climatic effects, most of which could have a dramatic inflationary impact like devasting 2022 floods, which happened outside of the El Nino period. As the country has seen some form of a climatic emergency almost every year since 2000, such exposure might have distorted the statistical dependence of domestic inflation on El Nino. Nevertheless, although we see no statistically significant impact from El Nino on Pakistan inflation, we note that with food accounting for some 39.5% of country CPI - any major material increases in global food prices may still constrain the expected disinflation trend in the near future. All of this, on top of any potential related climatic emergency as a result of El Nino could further escalate



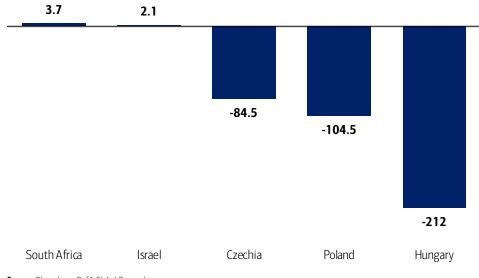
Pakistan's fiscal and debt tensions, as well as complicate compliance with the IMF conditionality.

### Serbia: plenty of other inflation drivers

According to our findings, Serbia appears to be one of the least exposed to El Nino in terms of inflation. We think this can be attributed to the fact that, to a significant degree, the country is the only one in the region that is a next exporter of food. On top of that, over the period of the study, the country had seen idiosyncratic trends in domestic inflation related to its post-war recovery as well as drastic shifts of the monetary policy regime, which seem to have distorted correlations further.

#### Exhibit 2: 1Y swap minus 3M interbank

Receiver trades in the front end have started in Czechia and Hungary, in our view



Source: Bloomberg, BofA Global Research

BofA GLOBAL RESEARCH

# **Special Disclosures**

Some of the securities discussed herein should only be considered for inclusion in accounts qualified for high risk investment.



# **Disclosures**

# **Important Disclosures**

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

# Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R1</sup>

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

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

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

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); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no. 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at <a href="https://www.bofaml.com/BofASEdisclaimer">www.bofaml.com/BofASEdisclaimer</a>; 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 (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, 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; 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): Lynch (Roge): Merrill Lynch (Roge): Merrill Lynch (Roge): Me



Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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 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 represent the security of the performance is not necessarily a guide to future performance. Levels and basis for taxation may change

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

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.

Certain investment strategies and financial instruments discussed herein may only be appropriate for consideration in accounts qualified for high risk investment.

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



connection with the legal proceedings or matters relevant to such proceedings.

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

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

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

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

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

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

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



# **Research Analysts**

### Asia FI/FX Strategy & Economics

Helen Qiao

China & Asia Economist Merrill Lynch (Hong Kong) +852 3508 3961 helen.giao@bofa.com

Claudio Piron

Emerging Asia FI/FX Strategist Merrill Lynch (Singapore) +65 6678 0401 claudio.piron@bofa.com

Adarsh Sinha

FX Strategist Merrill Lynch (Hong Kong) +852 3508 7155 adarsh.sinha@bofa.com

Jojo Gonzales ^^ Research Analyst Philippine Equity Partners jojo.gonzales@pep.com.ph

Abhay Gupta

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

Pipat Luengnaruemitchai Emerging Asia Economist Kiatnakin Phatra Securities pipat.luen@kkpfg.com

Mohamed Faiz Nagutha Asia & ASEAN Economist Merrill Lynch (Singapore) mohamed\_faiz.nagutha@bofa.com

Miao Ouyang China & Asia Economist Merrill Lynch (Hong Kong) miao.ouyang@bofa.com

Xiaoqing Pi China Economist Merrill Lynch (Hong Kong) xiaoqing.pi@bofa.com

**Benson Wu** China & Korea Economist Merrill Lynch (Hong Kong)

benson.wu@bofa.com

Ting Him Ho, CFA
Asia Economist
Merrill Lynch (Hong Kong)

tinghim.ho@bofa.com

Janice Xue

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

Kai Wei Ang Asia & ASEAN Economist Merrill Lynch (Singapore) kaiwei.ang@bofa.com

EEMEA Cross Asset Strategy, Econ

David Hauner, CFA >> Global EM FI/FX Strategist MLI (UK) +44 20 7996 1241 david.hauner@bofa.com

Mai Doan CEE/Israel Economist/Strategy MLI (UK)

mai.doan@bofa.com

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

Vladimir Osakovskiy >> EEMEA Sov.Credit/EQ strategist Merrill Lynch (DIFC) vladimir.osakovskiy@bofa.com Jean-Michel Saliba

MENA Economist/Strategist MLI (UK) jean-michel.saliba@bofa.com

Merveille Paja

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

Mikhail Liluashvili

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

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

### LatAm FI/FX Strategy & Economics

Claudio Irigoyen Global Economist BofAS +1 646 855 1734 claudio.irigoyen@bofa.com

David Beker >> Bz Econ/FI & LatAm EQ Strategy Merrill Lynch (Brazil) +55 11 2188 4371 david.beker@bofa.com

Jane Brauer Sovereign Debt FI Strategist BofAS +1 646 855 9388 jane.brauer@bofa.com

Carlos Capistran Canada and Mexico Economist BofAS +1 646 743 2921 carlos.capistran@bofa.com

**Pedro Diaz** Caribbean Economist BofAS

pdiaz2@bofa.com

Antonio Gabriel

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

Christian Gonzalez Rojas LatAm Local Markets Strategist

BofAS christian.gonzalezrojas@bofa.com

Lucas Martin, CFA Sovereign Debt FI Strategist BofAS lucas.martin@bofa.com

Alexander Müller Andean(ex-Ven) Carib Economist BofAS alexander.muller@bofa.com

Natacha Perez Brazil Economist Merrill Lynch (Brazil) natacha.perez@bofa.com

Sebastian Rondeau LatAm FI/FX Strategist BofAS sebastian.rondeau@bofa.com

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

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not

suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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

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

