

Asia Economic Weekly

AU and NZ: Weak China means steady rates

Hitting the brakes

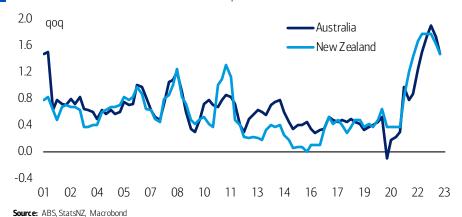
The Reserve Bank of Australia (RBA) Board meeting and the Reserve Bank of New Zealand (RBNZ) Board meeting will be held on 3 Oct and 4 Oct, respectively. Prices have been moderating in Australia and New Zealand (Exhibit 1) and could allow both the central banks to take a comfortable pause. We expect the RBA to keep the cash rate unchanged at 4.10% (see Australia Economic Watch: RBA preview: Wake me up when Nov ends 28 September 2023). This will be the first meeting with Michele Bullock as the governor, and we expect the guidance to reflect the change in leadership. We believe the RBA will retain its hawkish bias while acknowledging the weakness in consumption. Increased petrol price volatility adds to the possibility of a hike later in Nov which, however, is not our base case considering inflation has "passed its peak".

RBNZ is expected to stay on hold

Meanwhile, the RBNZ is also expected to stay on hold at 5.50%. Incoming data in New Zealand have been reflecting weakness, particularly in the consumer sector. The 2Q GDP data were robust on the back of some temporary factors, however, the underlying data hint at a slowing economy.

Exhibit 1: Inflation Down Under

Both Australia's and New Zealand's inflation have peaked



Slowing China looming large

Ongoing concerns around the outlook for China has been a key focus area for both the RBA and the RBNZ. Weaker global growth adds to the case for an extended pause, in our view. Despite the soft economic conditions in China, the external sector of late has made positive contributions to growth in both the countries.

D. Shivadekar and M. Fuchila

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

Bof A 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 8 to 9. 12606487

BofA GLOBAL RESEARCH

29 September 2023

GEM Fixed Income Strategy & Economics Asia

Table of Contents	
Australia and New Zealand in Focus	2
Data Preview	4
Macro Forecasts	6
Research Analysts	10

Helen Oiao

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

Izumi Devalier

Japan and Asia Economist BofAS Japan

Mohamed Faiz Nagutha

Asia & ASEAN Economist Merrill Lynch (Singapore)

Takayasu Kudo

Japan and Asia Economist BofAS Japan

Miao Ouyang China & Asia Economist Merrill Lynch (Hong Kong)

China & Korea Economist Merrill Lynch (Hong Kong)

Aastha Gudwani

India Economist BofAS India

Xiaoqing Pi

China Economist Merrill Lynch (Hong Kong)

Micaela Fuchila

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

Kai Wei Ang

Asia & ASEAN Economist Merrill Lynch (Singapore)

Ting Him Ho, CFA

Asia Economist Merrill Lynch (Hong Kong)

Devika Shivadekar Economist

Merrill Lynch (Australia) devika.shivadekar@bofa.com

Jojo Gonzales ^^

Research Analyst Philippine Equity Partners

Pipat Luengnaruemitchai

Emerging Asia Economist Kiatnakin Phatra Securities

See Team Page for List of Analysts

Australia and New Zealand in Focus

Devika Shivadekar

Merrill Lynch (Australia) devika.shivadekar@bofa.com Micaela Fuchila

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

Economic momentum slows

We expect the two neighbouring central banks to stay on hold next week. The last few months haven't seen significant surprises in economic data that would warrant any policy action. While volatility in oil prices suggests a hawkish bias will likely be retained for longer, we believe the primary focus will be on the weakness in the consumer sector (see: <u>Australia Economic Watch: GDP review: Constrained households 06 September</u> 2023) and the risks emanating from a retreating momentum in China's economy.

In Australia, data-wise, monthly inflation for Aug ticked up to 5.2% yoy from 4.9% yoy in July; however, digging under the hood, it reflects more narrow-based inflation pressures. This should provide the RBA with some comfort around policy traction. In fact, underlying measures of inflation eased to 5.5% in Aug from 5.8% in July.

Meanwhile, retail spending data continue to show that household budgets remain squeezed amid cost-of-living pressures. This is also the case in New Zealand, with credit card spending showing ongoing declines despite strong population growth. See: New Zealand Economic Watch: GDP review: Too good to be true 21 September 2023.

New Zealand posted a surprisingly strong GDP print in 2Q along with upward revisions to 1Q growth print. The economy expanded 0.9% sequentially, well above the RBNZ's assumptions. The support mainly came on the back of temporary factors such as increased public expenditure, as well as an anticipated boost to exports. Notably, spending held up relatively well despite leading indicators pointing to a decline. However, even an increased inward migration hasn't been enough to stall the clear deceleration in household consumption relative to 1Q. As such, we believe the RBNZ is likely to look through this upside surprise to growth and remain comfortably on hold.

China factor

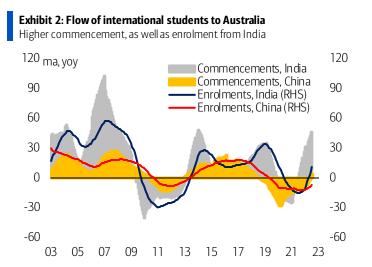
Global goods demand has been slowing, and Australia and New Zealand are no different. Particularly for New Zealand, export credits continue to moderate, reflecting declines in prices of commodities such as dairy and meat. The RBNZ expects restrain in overall export demand and prices over the coming three years.

While goods exports have been falling, services exports seem to be largely getting back on track. Education-related travel services are the most important Australian and Kiwi exports to China. Education and tourism sectors are only just returning to pre-pandemic levels. Peak Covid saw extended border closures in all three countries, which significantly impacted the flow of inward migration of Chinese nationals to Aussie and Kiwi shores. Since the borders have reopened, Indian international students are the largest group studying in Australia (Exhibit 2), while Indian migrants are making up the largest share of the workforce in New Zealand followed by Chinese and Filipinos.

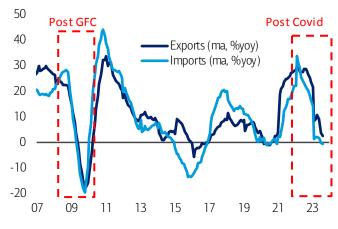
Although the trajectory of growth has been closely linked to external demand from China, for both Australia and New Zealand, there has been some divergence of late. Both the Aussie and the Kiwi economies have expanded a lot slower in 1H23 versus China. As much as the external sector factors into their growth profiles, the muted expansion has largely been a result of policy tightening by the RBA and the RBNZ gaining traction. The interest rate hikes not only dampened consumption but also led to a material decline in profit margins for businesses. The external sector has in fact continued to be supportive of growth, offsetting the weakness in the domestic market.



Concerns of easing demand in China impacting commodity prices and by extension AUD and NZD seem reasonable but are unlikely to materialise as increased services credit from other trade partners is likely to outweigh the slowing in goods exports.







Source: China NBS

BofA GLOBAL RESEARCH

Property sector holds key

Source: Dept of Education

China's imports of commodity resources, particularly Australia-sourced, have largely been driven by the necessity to fuel infrastructure growth. China-bound trade has been dwindling as demand for goods and services has been falling sharply in line with a receding momentum in the post-pandemic recovery. As such, this downturn is not new to China, which has experienced similar moves in the external sector following global crises (Exhibit 3). The concerns today are coming off the back of a weak China property sector, a slower-than-expected fiscal response to bail it out, and deteriorating market confidence.

BofA GLOBAL RESEARCH

The recent temporary surge in house prices and sales in China was largely driven by the government's push to deliver pending projects. However, private fixed-asset investment continues to be muted and the broader construction sector remains weak. New-home starts have been on a steady decline driving the overall weakness in infrastructure and by extension demand for Australian resources. We believe the contraction in the property market is likely to persist for the rest of the year.

While the China government has delivered and pledged more stimulus to spur growth in China, we believe it is unlikely to materially shift confidence in Australia and New Zealand unless the fiscal injection is substantial and swift.



Data Preview

Exhibit 4: Week of 1 to 7 October

Data calendar for next week with BofA estimates and Bloomberg consensus

Local						
	Country	Data/Event	BofAe	Cons.†	Previous	Comments
	ctober 1, 2023	Francisco (Compress)	7.00/	0.20/	0.20/	W/
5.00		Exports (Sep, yoy)	-7.9%	-9.3%	-8.3%	We expect Korea's export growth to marginally narrow to -7.9% yoy in Sep (from -8.3% yoy in Aug) given the slightly more favorable base offset but less working day
	ctober 2, 2023		_		_	
*** 8:50	Japan	Tankan Large Mfg Index (3Q)	7	6	5	In the September BOJ Tankan, we expect business sentiment and FY23 capex plan to remain largely unchanged from previous June survey. While firms will likely remain constructive about current economic conditions, they will continue to have cautious outlook with the potential slowdown of both external and domestic demand. The focused FY2023 capex plan will also likely remain largely same as the previous survey given firms tend to keep their existing plan at the September survey.
*** 8:50	Japan	Tankan Large Non-Mfg Index (3Q)	25	24	23	
*** 8:50	Japan	Tankan Large Mfg Outlook (3Q)	5	6	9	-
*** 8:50	Japan	Tankan Large Non-Mfg Outlook (3Q)	21	23	20	
*** 8:50	Japan	Tankan Large All Industry Capex (3Q)	13.6%	13.3%	13.4%	_
*** 8:50	Japan	Tankan Small Mfg Index (3Q)	15.0 /0	-4	-5	
*** 8:50	Japan	Tankan Small Non-Mfg Index (3Q)		12	11	
*** 8:50	Japan Japan	Tankan Small Mfg Outlook (3Q)		-5	-1	
*** 8:50		Tankan Small Non-Mfg Outlook (3Q)		10	7	
	Japan Australia	Melbourne Institute Inflation (Sep, mom)			0.2%	-
** 11:00		· · · · · · · · · · · · · · · · · · ·	2.20/			We awast headline inflation to ease to 2.20/ yearin Capus 2.20/ in Aug north.
** 11:00	Indonesia	CPI (Sep, yoy)	2.2%	2.2%	3.3%	We expect headline inflation to ease to 2.2% yoy in Sep vs. 3.3% in Aug, partly reflecting base effects from last year (when petrol prices were hiked).
	ctober 3, 2023					
** 11:30	Australia	Building Approvals (Aug, mom)	1.0%		-8.1%	We expect a sequential increase of 1% on the back of a modest rise in approvals for private dwelling projects.
*** 14:30	Australia	RBA Cash Rate Target	4.10%		4.10%	We expect the RBA to stay on hold in its October meeting. Guidance should reflect the change in leadership and a hawkish bias while acknowledging the weakness in the consumer sector.
Wednesda	y, October 4, 20	023				
** 8:00	South Korea	Industrial Production (Aug, yoy)		-5.5%	-8.0%	
*** 14:00		RBNZ Official Cash Rate	5.50%		5.50%	Incoming data has been reflecting weakness, particularly in the consumer sector. Temporary factors have kept growth strong in 1H 2023 however the economy is slowing fast. We thus think the RBNZ would stay on hold in its October meeting.
Thursday, C	October 5, 2023	3				
** 8:00	South Korea	CPI (Sep, yoy)	3.4%	3.4%	3.4%	We expect Korea's CPI inflation to stay at 3.4% yoy in September (same as Aug), largely on higher oil prices.
*** 9:00	Philippines	CPI (Sep, yoy)	5.2%	5.3%	5.3%	
** 10:30	Thailand	CPI (Sep, yoy)			0.9%	
** 11:30	Australia	Trade Balance (Aug)	A\$8749m		A\$8039m	We expect modest improvement in trade balance on the back of slightly higher commodity prices on average.
** 13:00	Singapore	Retail Sales Ex Auto (Aug, yoy)			0.4%	
** 13:00	Singapore	Retail Sales (Aug, yoy)			1.1%	_
** 16:00	Taiwan	CPI (Sep, yoy)	2.4%		2.5%	CPI inflation likely edged down to 2.4% yoy in September from 2.52% in August, helped by a higher year-ago base and lower vegetable price inflation. That said, fuel prices saw a larger gain during the month due to rising global oil prices and core CPI inflation could remain sticky on strong services demand
Friday, Oct	ober 6, 2023					
*** 10:00	India	RBI Cash Reserve Ratio	4.50%	4.50%	4.50%	Expect CRR to be unchanged
*** 10:00	India	RBI Repurchase Rate	6.50%	6.50%	6.50%	Expect policy repo rate to be unchanged and stance retained with room open for one more hike

Notes: † Bloomberg consensus; * = level of importance; A = advanced; F = final; P = preliminary; sa = seasonally adjusted; saar = seasonally adjusted annualized rate; nsa = not seasonally adjusted; wda = working-day adjusted; n.a. = not available; mom = month-on-month; qoq = quarter-on-quarter; yoy = year-on-year, Central banks * denotes previous month

Source: BofA Global Research, Bloomberg

BofA GLOBAL RESEARCH



Exhibit 5: Government bond auction calendar

Auction calendar for the week of 01 Oct to 07 Oct

Country Event Comments

Tuesday,03 Oct

Indonesia Indonesia to sell 5, 10, 15, 20 and 30 year govt bonds Moderate demand as positive fiscal trends, improving liquidity balances risks of higher global yields and flat yield curve.

Wednesday, 05 Oct

Korea to sell KRW 30y KTB worth 2.3 tn

Source: BofA Global Research, Bloomberg, DMO Indonesia, Korea MoEF

BofA GLOBAL RESEARCH



Macro Forecasts

Exhibit 6: Key Macroeconomic IndicatorsBofA estimates for important indicators

28 September, 2023	2022	BofA Global Re Forecasts 2023	is .	
GDP Growth (yoy)	Actual	F'cst	F'cst	
Asia	3.8	4.5	4.3	
China	3.0	5.1	4.8	
Hong Kong	(3.5)	4.7	3.0	
India	6.8	6.3	5.5	
Indonesia	5.3	5.0	5.3	
Korea	2.6	1.4	2.2	
Malaysia	8.7	4.0	4.4	
Philippines	7.6	4.8	5.0	
Singapore	3.6	1.0	2.1	
Taiwan	2.5	0.9	3.2	
Thailand	2.7	2.8	3.3	
Vietnam	8.0	5.4	6.5	
Australia	3.6	1.5	1.3	
Japan	1.0	2.1	1.2	

Note: FY22/23, FY23/24, FY24/25 for India

	<u> 2022</u>	<u>2023</u>	<u> 2024</u>
CPI inflation (yoy, avg)	Actual	F'cst	F'cst
Asia	4.3	3.4	2.7
China	2.0	0.4	1.8
Hong Kong	1.9	2.3	2.0
India	6.7	5.4	4.5
Indonesia	4.2	3.7	2.9
Korea	5.1	3.4	2.4
Malaysia	3.4	2.8	2.8
Philippines	5.8	5.5	2.8
Singapore	6.1	5.0	3.4
Taiwan	2.9	2.2	1.5
Thailand	6.1	1.6	1.7
Vietnam	3.2	3.2	2.9
Australia	6.6	5.7	3.2
Japan	2.5	3.1	2.7

Note: FY22/23, FY23/24, FY24/25 for India

		<u>2023</u>	<u>2024</u>
Policy rate (%, eop)	Current	F'cst	F'cst
Asia	-	-	-
China	3.45	3.40	3.40
Hong Kong	5.28	5.25	4.60
India	6.50	6.50	5.50
Indonesia	5.75	5.75	4.75
Korea	3.50	3.50	2.50
Malaysia	3.00	3.00	3.00
Philippines	6.25	6.50	5.25
Singapore	4.06	4.27	3.42
Taiwan	1.88	1.88	1.88
Thailand	2.50	2.25	2.00
Vietnam	4.50	5.00	4.00
Australia	4.10	4.10	4.10
Japan Japan	-0.10	-0.10	0.05

Note: FY22/23, FY23/24, FY24/25 for India. 3M interbank rate forecast for Singapore

Source: BofA Global Research, Bloomberg

Exchange rate (vs USD, eop) Asia		BofA Global Research Forecasts			
	Current -	Dec-23 F'cst	Dec-24 F'cst		
China	7.31	7.20	6.70		
Hong Kong	7.82	7.83	7.78		
India	83.23	82.00	80.00		
Indonesia	15520	15400	15000		
Korea	1349	1330	1190		
Malaysia	4.71	4.66	4.54		
Philippines	56.94	56.50	55.50		
Singapore	1.37	1.35	1.30		
Taiwan	32.25	31.70	30.10		
Thailand	36.53	35.00	33.00		
Vietnam	24400	24000	23600		
Australia	0.64	0.64	0.71		
Japan	149.17	150.00	135.00		

	<u> 2022</u>	<u>2023</u>	<u> 2024</u>
Fiscal balance (% of GDP)	Actual	F'cst	F'cst
Asia	-	-	-
China	-2.8	-3.0	-3.0
Hong Kong	-4.9	-1.8	0.3
India	-6.4	-5.8	-5.2
Indonesia	-2.4	-1.8	-2.3
Korea	-3.0	-0.6	-1.9
Malaysia	-5.6	-5.0	-4.3
Philippines	-7.3	-6.1	-5.3
Singapore	-0.3	-0.1	0.0
Taiwan	-1.0	-2.1	-1.7
Thailand	-5.4	-3.3	-3.7
Vietnam	-4.4	-4.4	-4.0
Australia		-	-
Japan	-	-	-

Note: FY22/23, FY23/24, FY24/25 for India

<u>2022</u> Actual	<u>2023</u> F'cst	<u>2024</u> F'cst
-	-	-
2.2	1.6	1.3
10.5	6.2	6.1
-2.4	-2.4	
1.0	-0.3	-0.7
1.8	1.7	1.8
2.6	1.9	1.9
-4.8	-3.4	-3.4
19.3	16.3	16.7
13.3	12.2	12.8
-3.3	0.9	2.7
-0.3	0.7	2.1
3.4	2.1	1.2
2.9	0.2	0.2
	Actual - 2.2 10.5 -2.4 1.0 1.8 2.6 -4.8 19.3 13.3 -3.3 -0.3 3.4	Actual F'cst - 2.2 1.6 10.5 6.2 -2.4 -2.4 1.0 -0.3 1.8 1.7 2.6 1.9 -4.8 -3.4 19.3 16.3 13.3 12.2 -3.3 0.9 -0.3 0.7 3.4 2.1

Note: FY22/23, FY23/24, FY24/25 for India

BofA GLOBAL RESEARCH



Special Disclosures

In accordance with the SEBI (Foreign Portfolio Investors) Regulations, 2019 and with guidelines issued by the Securities and Exchange Board of India (SEBI), foreign investors (individuals as well as institutional) that wish to transact the common stock of Indian companies must have applied to, and have been approved as per SEBI (Foreign Portfolio Investors) Regulations, 2019. Each investor who proposes to transact common stock of Indian companies will be required to obtain Foreign Portfolio Investor (FPI) registration as per SEBI (Foreign Portfolio Investors) Regulations, 2019. Certain other entities are also entitled to transact common stock of Indian companies under the Indian laws relating to investment by foreigners. BofA Securities reserves the right to refuse to provide a copy of research on common stock of Indian companies to a person not resident in India. American Depositary Receipts (ADR) representing such common stock are not subject to these Indian law restrictions and may be transacted by investors in accordance with the applicable laws of the relevant jurisdiction. Global Depository Receipts (GDR) and the Global Depository Shares (GDS) of Indian companies, Indian limited liability corporations, have not been registered under the U.S. Securities Act of 1933, as amended, and may only be transacted by persons in the United States who are Qualified Institutional Buyers (QIBs) within the meaning of Rule 144A under the Securities Act. Accordingly, no copy of any research report on Indian companies' GDRs or GDSs will be made available to persons who are not QIBs.

BofA Securities India Limited (BofAS India) is regulated by the Securities and Exchange Board of India (SEBI) and provides the following services in India: Research, Equity Sales & Trading, Futures & Options, Electronic Trading, Equity Capital Markets, Debt Capital Markets and M&A. SEBI Registration Nos. Research Analyst: INH000000503, Stock Broking: INZ000217333 (Trading and Clearing Member of NSE and BSE - Capital Markets and Equity Derivatives), Merchant Banker: INM000011625, CIN U74140MH1975PLC018618. Registration granted by SEBI and certification from National Institute of Securities Markets (NISM) in no way guarantee performance of the intermediary or provide any assurance of returns to investors. BofAS India's registered office is at Ground Floor, A Wing, One BKC, G Block, Bandra Kurla Complex, Bandra (East), Mumbai 400 051, India, Tel: +91 22 6632 8000 and the contact details of its Compliance Officer (Shervin Purohit) are: Tel: (91-22) 6632 8853, Email: shervin.purohit@bofa.com. For specific grievances, if any, please contact the Grievance Officer (Amish Shah) and contact details are: Tel: (91-22) 6632 8000, Email: dg.rsch_in_complaint@bofa.com. Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

This report is issued and distributed outside the Philippines solely by BofA Securities. Philippine Equity Partners is not licensed to provide advisory services outside the Philippines. 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.



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.

Other Important Disclosures

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of 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. Individuals identified as economists do not function as research analysts under U.S. law and reports prepared by them are not research reports under applicable U.S. rules and regulations. Macroeconomic analysis is considered investment research for purposes of distribution in the U.K. under the rules of the Financial Conduct Authority. Refer to BofA Global Research policies relating to conflicts of interest.

BofA Securities includes BofA Securities, Inc. (*BofAS*) and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. *BofA Securities* is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle 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 (Mexico): Mexico): Merrill Lynch (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexic CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch (Israel): Merrill Lynch (Israel) intending (SEBI); 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; 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 conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is r

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives,



financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

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

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

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

China, Hong Kong, Taiwan

Helen Qiao

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

Miao Ouyang

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

Benson Wu

China & Korea Economist Merrill Lynch (Hong Kong) benson.wu@bofa.com

Xiaoqing Pi

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

North Asia

Ting Him Ho, CFA

Asia Economist Merrill Lynch (Hong Kong) +852 3508 8744 tinghim.ho@bofa.com

India

Aastha Gudwani

India Economist BofAS India aastha.gudwani@bofa.com

The Philippines

Jojo Gonzales ^^

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

Thailand

Pipat Luengnaruemitchai

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

Australia

Micaela Fuchila

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

Devika Shivadekar

Economist Merrill Lynch (Australia) devika.shivadekar@bofa.com

Indonesia, Malaysia, Singapore

Mohamed Faiz Nagutha

Asia & ASEAN Economist Merrill Lynch (Singapore) mohamed_faiz.nagutha@bofa.com

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

Japan

Izumi Devalier

Japan and Asia Economist BofAS Japan izumi.devalier@bofa.com

Takayasu Kudo

Japan and Asia Economist BofAS Japan takayasu.kudo@bofa.com

Global FX and Rates Strategy

Claudio Piron

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

Adarsh Sinha

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

Abhay Gupta

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

Chun Him Cheung, CFA

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

Janice Xue

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

Equity and Credit Strategy

Nigel Tupper >> Quant Strategist Merrill Lynch (Australia) nigel.tupper@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.

>> 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.

