

Is the Banking Crisis Over? How Should we Navigate Short and Long Term?

Summary

- Largest bank failure since 2008 kick-started what eventually became a merger between UBS & Credit Suisse (CS) in order to prevent a systemic financial turmoil.
- Credit conditions will tighten, and we may be quickly approaching the peak of the interest rate hike cycle globally.
- Navigate the current volatility using our quarterly themes, focused on actions for the short and long term.

Largest US Bank Failure Since 2008

The global financial system went through a turbulent period in March 2023, and it began with the collapse of Silicon Valley Bank (SVB) and Signature Bank, which were the largest bank failures since 2008 global financial crisis, while other regional banks quickly came under scrutiny. The issue revolved largely around the mismanagement of asset and liabilities, with the aggressive Federal Reserve's aggressive rate hikes severely impacting long term treasuries. When met with large withdrawal of money, SVB was forced to

Macro Insight of the Month 1
2023 Investment Themes_Q1 Update 4
Overview of our CIO Asset Allocation 7
GDP & CPI Forecasts 8
Equities 9
Fixed Income 10
Forex & Commodities 11

realize losses, which eventually resulted in a bank run. The US regional banking system was shaken as this raises questions about the liquidity of the banking system in general and the potential for contagion risks.

US regulators were quick to stamp out any potential contagion effect. They swiftly devised a plan to backstop depositors, a critical step in stemming a feared systemic panic brought on by the collapse of SVB. Depositors were promised full access to their money, while the Fed also announced a new liquidity plan, Bank Term Funding Program (BTFP). Importantly, assets pledged as collateral will be valued at par, and this eventually helped inject much confidence back into the US financial system.

Prashant BHAYANI Chief Investment Officer Asia BNP Paribas Wealth Management



Grace TAM Chief Investment Adviser Hong Kong BNP Paribas Wealth Management



Dannel LOW
Investment Specialist
Asia
BNP Paribas
Wealth Management



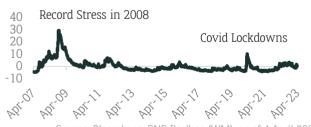


Confidence Crisis in Europe: CS folds

The SVB collapse resulted in fear seeping into the European banking system. Credit default swaps of European banks were initially relatively calm, but comments from Credit Suisse's largest shareholder, on not injecting more cash into the Swiss bank due to regulatory restrictions, triggered a new wave of market panic. This shortly transformed into a fullblown confidence crisis for the Swiss bank, having been embroiled in numerous regulatory issues and scandals in recent years. With growing concerns on how a potential collapse of CS (a Globally Systemically Important Bank) may cause the global financial system to sink into mayhem, the Swiss stepped in and brokered unprecedented deal to bail out Credit Suisse.

Swiss central bank and Financial Market Supervisory Authority (FINMA) announced the merger of the two largest bank in Switzerland CS and UBS, in an attempt to prevent the financial system from spiraling into a systemic collapse. UBS agreed to buy Credit Suisse for CHF 3bn (USD 3.3bn) in an all-share deal (wiping out CHF16bn of AT1* Bonds) that includes extensive government guarantees and liquidity provisions.

FINANCIAL STRESS REMAINS FAR FROM 2008 AND 2020 LEVELS FOR NOW



Source: Bloomberg, BNP Paribas (WM), as of 4 April 2023. Past performance is not indicative of current or future performance.

Authorities have acted quickly

After the UBS-CS merger was announced, central banks globally (Fed, Bank of Canada, Bank of England, Bank of Japan, ECB** and Swiss National Bank) announced coordinated action to shore up liquidity in USD swap arrangements. These central banks globally seem to have learned the Lehman lessons well. Actions taken were swift, strong and coordinated, in order to contain the current banking crisis and avoid a domino effect. Financial stress,



which is still far from 2008 and 2020 levels, is contained for now. However, it remains too early to declare that the US regional banking stress is over.

AT1 bonds in focus

FINMA's decision to completely wipe out Credit Suisse AT1 bond before shareholders disrespected the hierarchy of claims, which in turn raised questions and triggered a selloff in AT1 bonds. However, rules differ across jurisdictions and issuers. We continue to remain comfortable with selected European AT1 as the ECB reaffirmed the i.e. hierarchy of claims "common instruments are the first ones to absorb losses, and only after their full use would AT1 be required to be written down" 1. In that regard, overall we had been recommending Tier 2 bonds relative to AT1s **before recent the crisis**. Plus, overall the European banking sector is well capitalized, and credit analysis is key.

Central Banks: nearing end of cycle

The major central banks have fought persistent inflation with rate hikes. That said, the tone of central bankers has softened amid the banking crisis, suggesting that policy rates are approaching their end-of-cycle rates. We expect the Fed to end its tightening cycle in May with a rate of 5.25%, and the ECB in June with a deposit rate of 3.5%.

Credit conditions will likely tighten over the next few months, as banks turn more risk averse after the recent turbulence. The tighter credit conditions will achieve Fed's aim of slowing growth and combined with the lagged effects of interest rate hikes, should cool demand, and thus inflation.

BANK LENDING STARTING TO SLOW



Source: Bloomberg, BNP Paribas (WM), as of 4 April 2023. Past performance is not indicative of current or future performance.

1. Source: BNP Paribas Strategy Update, as of 4 April 2023

*ATI = Additional Tier 1

**ECB = European Central Bank

The bank for a changing world A temporary recession in the US in the second half of this year is our base-case scenario, albeit there is a probability it gets pushed to 2024. In the eurozone, economic activity is expected to slow further but a recession could be avoided. This, in turn, should allow for lower short- and long-term interest rates in the near future.

How should we navigate short term?

Volatility spiked across most asset classes as the banking crisis developed. Near term, shorter duration investment grade corporate bonds look attractive, based on our macro scenario of a modest recession in the US in 2H 2023. For equities, we retain our preference for Europe (Euro Stoxx 50 YTD* (USD) +16%), UK (FTSE 100 YTD (USD) +6.3%), and Emerging Markets (MSCI EM YTD (USD) +3.4%). We continue to prefer quality, given the fall in long-term interest rates and the greater near-term economic uncertainty.

We stay positive on Chinese equities, as we still see strong fundamental drivers for the Chinese recovery story. Recent momentum in economic data is already starting to suggest that the economy could overshoot the NPC's target of 5% GDP growth this year figure. China's monetary policy still has an easing bias. Additionally, the domestic A-share market could be more immune to the banking turmoil in the short term. Once the dust settles, we expect outperformance of broad-based Chinese

markets (onshore and offshore). This is also inline with our **Quarterly Investment Theme 1: When consistent losers become winners.** The theme focuses on tapping onto the "mean reversion" effect.

How should we navigate longer term?

Another means to ride out volatility is by investing longer term, through **leveraging on multi-year megatrends**. This is very much in line with theme 2 and 3 of our quarterly investment themes.

Theme 2: Ride The Cleantech Investment Wave: This theme talks about longer term beneficiaries of the US Inflation Reduction Act and European equivalents, boosting investment in renewable energy generation, infrastructure and storage, and other sub-themes including circular economy leaders and software and industrial systems aimed at improving productivity and lowering energy consumption in manufacturing, services and transport industries.

Theme 3: Scarcity And Security Are The New Watchwords: investable sub-themes include food security and alternative food sources; reshoring and securing supply chains; efficiency, reuse, and recycling as well as cybersecurity and Safety

Please refer to our quarterly investment themes update on page 4-6 for more details.

*YTD: Year-to-date

CONCLUSION

The collapse of SVB and Signature Bank kick started a crisis of confidence on the global financial system. Eventually, Credit Suisse (as a Globally Systemically Important Bank) needed rescue from UBS and the Swiss authorities, to prevent further financial carnage. Financial stress seems contained for now.

Actions from central banks have been strong, decisive and coordinated, seemingly having learnt from the Lehman lesson. Inflation fight is not yet over, but given the banking crisis, we may be much closer to the peak of the rate hike cycles than previously thought. We expect the Fed to end its tightening cycle in May with a rate of 5.25%, and the ECB in June with a deposit rate of 3.5%. Our base case now is for temporary recession in the US in the second half of this year.

In the near term, we prefer shorter duration investment grade corporate bonds, while for equities, we retain our preference for Europe, UK and Emerging Market geographies, and continue to like quality. We stay positive on China who is more immune to the banking turmoil in the short term, while looking at multi-year megatrends for longer term investing.



RIDE THE CLEANTECH INVESTMENT WAVE

he US Inflation Reduction Act represents nearly USD 400 billion of additional federal spending directed towards clean energy. Meanwhile Europe is responding with its own clean energy investment initiatives. This will turbocharge investment in solar and wind power, and associated battery storage. If anything, solar power has become the cheapest source of new renewable electricity generation, owing to more efficient solar panel designs and the advent of regulations mandating the installation of solar panels in new buildings in California and France, for example.

The need for greater energy security remains a key driver behind both clean energy and energy conservation investment in Europe. Moreover, replacing Russian pipeline natural gas and reducing overall gas and electricity demand are near-term priorities. The circular economy is an important tool in decreasing indirect energy consumption in the production/provision of goods and services.

- Production costs and thus the price of the energy transition are rising sharply. Without strong government support, the transition could slow down, given that many countries are heavily indebted and the cost of debt rocketed in 2022. Very tricky fiscal and societal choices must be made
- Today it is difficult to source essential materials and components. This is particularly the case for areas in which demand is growing rapidly (e.g. lithium), because supply is struggling to keep up with

- the pace of demand. This could hamper the transition.
- Generally speaking, energy is a cyclical sector. Energy prices fluctuate considerably in tandem with economic growth, but also with geopolitical events that are often unpredictable and uncontrollable. Return on investments can therefore be highly volatile and sometimes lower than expected.

OUR RECOMMENDATIONS

We prefer equity solutions for this theme: direct lines, funds and trackers. Other attractive solutions include private equity funds investing in energy infrastructure. This theme has several sub-themes:

- Beneficiaries of the US Inflation Reduction Act and European equivalents, boosting investment in renewable energy generation, infrastructure and storage, including solar energy, industrial battery storage, biomethane collection and green hydrogen.
- Circular economy leaders: more energyefficient design, greater emphasis on repair, reuse and recycling of goods and services (e.g. via the sharing economy).
 - Software and industrial systems aimed at improving productivity and lowering energy consumption in manufacturing, services and transport industries.



he treble tides of COVID-19, conflict and climate change have laid bare the fragile nature of the global world order, and of the economy. Pre-existing megatrends of maximally efficient just-in-time supply chains, ultra-cheap access to money, the peace dividend, and

plentiful supply of energy and essential raw materials have all begun to reverse Long-term underinvestment in commodities supply and production is also a key factor in driving commodities prices higher over time.

In **today's** world of heightened geopolitical tensions, fast-rising prices and increasing shortages of energy and other commodities, new trends of energy & raw materials security, nearshoring of goods production, and technological security have emerged.

The increasing prevalence of global weather volatility in the form of floods and droughts highlights once again the focus on food and water security, with access to affordable food and clean water both key UN sustainability development goals.

SCARCITY

AND SECURITY ARE THE NEW WATCHWORDS



OUR RECOMMENDATIONS

Investable sub-themes of this new era megatheme include:

- Food security and alternative food sources: innovations in agricultural sciences (productivity and climate- friendly fertilisers for example), precision/vertical farming and ways to reduce waste in the value chain. Technologies for water efficiency, recycling, and desalination. Climate- friendly alternative proteins and sustainable packaging.
- Reshoring and securing supply chains: industrial automation and product lifecycle management software. Mining, alternative sources of industrial commodities, and related technological innovation.

KEY RISKS

- A major global recession would likely create severe demand destruction for energy and raw materials, driving down commodity prices, and thus hurting the profits of commodityproducing companies. It is, however, unlikely to jeopardise long-term trends.
- Investment solutions for this theme mainly relate to equities. Despite the theme's relevance and attractive expected returns, such solutions are subject to movements in global equity markets
- Efficiency, reuse, and recycling: investment in circular economy leaders, plus focus on local production of energy, goods & services. Water recycling and Technologies for water efficiency, recycling and desalinisation.
- Cybersecurity and Safety: cybersecurity, personal and industrial safety.

Overview of our CIO Asset Allocation for April 2023

	Viev Current	vs Prior	Constituents	We like	We avoid	Comments
EQUITIES	+		Markets	Europe, UK, Japan, Latin America, China, South Korea, Singapore and Indonesia	•	We maintain our positive view on non-US equities. Key drivers include falling US inflation, lower long-term interest rates, improving macro liquidity.
			Sectors	Energy, Healthcare, Mining	•	We downgrade US financials from positive to neutral, and upgrade EU utilities from neutral to positive
			Styles/ Themes	Megatrend themes	•	Security, circular economy, and income growth themes
BONDS	= =		Govies	-	:	We expect 10-year yields to reach 3.5% in the US We turn neutral from positive on US government bonds
	+	+	Segments	Investment Grade, Emerging Markets Bonds (USD + local currency)	•	We are positive on US and Euro IG corporate bonds, and EM bonds in hard and local currency.
CASH	-	-				
COMMO- DITIES	+			Gold Oil Battery metals		Gold - positive: Take partial profits around \$2000/oz. Oil - positive: Brent to climb back to \$90. Base metals - positive
FOREX			USDCNY		•	CNY see upside targets at 6.75 for a 3-month horizon and 6.50 for a 12-month horizon.
ALTER- NATIVE	+	+		Real Estate (healthcare, UK commercial); Hedge Funds (Global Macro, Relative Value, trend-following); Infrastructure (energy, transportation, water)		Unlisted real estate faces enduring headwinds from slowing economies & much higher financing rates. Prefer listed real estate. Excellent long-term expected returns from private & listed infrastructure given long-term underinvestment

Note: + Positve / = Neutral / - Negative



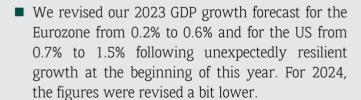
GDP & CPI Forecasts

		GDP (YoY%)			CPI (YoY%)		
		2022f	2023f	2024f	2022f	2023f	2024f
_	_						
þ	US	2.1	1.5	0.0	8.0	4.4	2.6
lope	Japan	1.1	1.2	0.8	2.5	2.6	1.4
Developed	Eurozone	3.5	0.6	0.5	8.4	5.3	2.5
Ŏ	UK	4.0	-0.4	1.0	9.1	6.2	1.9
.g	China	3.0	5.6	5.3	2.0	2.7	2.5
North Asia	Hong Kong*	-0.8	3.9	3.0	1.9	2.4	2.5
orth	South Korea	2.6	1.4	2.0	5.1	3.7	2.3
ž	Taiwan*	3.3	2.8	2.1	3.1	2.2	1.4
	India	7.0	5.7	6.0	6.7	5.4	4.5
\sia	Indonesia	5.3	4.8	5.0	4.2	3.9	3.0
South Asia	Malaysia	8.7	4.0	4.4	3.4	3.0	2.3
	Philippines*	6.5	5.0	6.0	5.3	4.3	3.1
•	Singapore*	3.0	2.3	2.6	5.5	3.0	2.0
	Thailand	2.6	3.7	3.8	6.1	3.0	2.1

Source: BNP Paribas Group Economic Research, BNP Paribas Global Markets forecasts as of 31 March 2023

* IMF data and forecasts as of 31 March 2023





GROWTH

- We think the Eurozone has narrowly escaped a fully fledged recession.
- We expect the US recession to start in 3Q this year as the lag effect of monetary tightening would start to bite.



INFLATION

- We revised up our inflation forecast for the Eurozone and the US for both 2023 and 2024.
- There has been more evidence of disinflation but pressures on core inflation continue. We expect services to overtake energy and core goods as the main drivers of global price inflation in 2023.

Equities





OVERALL GLOBAL: POSITIVE











OVERALL ASIA: POSITIVE



	COUNTRY			COUNTRY	
UK Japan Emerging Mkt Eurozone	US	-	China Singapore South Korea Indonesia	Taiwan India, Thailand Malaysia Philippines	-
	SECTOR			SECTOR	
Energy Healthcare Materials	Comms. Industrials Utilities Real Estate Technology Consu. Discre. Financials	Consu. Sta.	Comms. Consu. Discre. Consu. Sta. Healthcare Technology	Energy Materials Real Estate Financials Industrial	Utilities

- fall in long bond yields which has resulted from a repricing of recession risk have perversely supported stocks ex-financials, while relatively robust near-term economic momentum supports European and Chinese earnings estimates.
- Easing bond volatility and financial stress are key indicators to watch if stocks are to advance.
- We continue to prefer non-US equities. The sharp We downgraded US financials from positive to neutral given many uncertainties due to the US regional bank crisis.
 - We upgraded EU utilities from neutral to positive given our more defensive bias and expect the sector to benefit from energy independence, electrification and clean energy plans.

		1-month (%)	YTD (%)	2022 (%)	Forward PE (x)	Trailing PB (x)	Dividend Yield (%) 2023f	EPS Growth (%) 2023f	EPS Growth (%) 2024f	ROE (%) 2023f
g	US	3.4	7.3	-20.8	18.3	3.8	2.1	0.3	12.4	17.7
Developed	Japan	0.6	6.0	-6.6	12.9	1.3	2.6	6.4	4.1	8.8
ve	Eurozone	0.6	11.9	-14.5	12.1	1.6	3.4	1.8	8.4	12.9
ದಿ	UK	-3.3	2.1	3.0	10.1	1.6	4.1	-7.6	3.5	14.4
	Asia Ex-Japan	3.3	4.1	-21.5	12.9	1.4	3.1	3.6	19.9	10.3
Asia	China China A-shares	4.3 -0.5	5.0 4.6	-22.4 -21.6	10.5 12.9	1.3 1.6	3.2 2.2	18.7 19.0	14.3 13.5	11.1 12.0
North	Hong Kong	8.0	-2.3	-7.8	13.9	1.1	3.6	14.8	11.4	7.2
j	South Korea	2.9	12.5	-26.4	14.4	0.9	2.4	-35.0	61.3	5.8
~	Taiwan	2.7	13.4	-24.7	14.4	2.2	4.2	-13.3	20.8	13.9
	India	0.5	-7.2	1.6	19.0	3.2	1.5	24.8	14.6	14.7
sia	Indonesia	0.2	0.1	10.4	12.7	2.5	3.6	5.9	6.3	18.2
South Asia	Malaysia	-2.1	-4.9	-4.3	12.8	1.4	4.0	16.4	7.4	9.7
甘	Philippines	-0.1	-0.8	-7.3	13.9	1.8	1.7	21.6	10.4	11.6
S	Singapore	-1.6	-0.3	4.4	12.4	1.3	4.4	32.7	16.8	9.7
	Thailand	0.6	-3.7	6.3	16.1	1.9	2.9	2.8	8.0	10.2

Source: MSCI indices in local currency terms, Bloomberg, Datastream, BNP Paribas (WM), as of 31 March 2023



Fixed Income





OVERALL GLOBAL: NEUTRAL













OVERALL ASIA (USD): NEUTRAL



EMD (LC) EMD (HC) IG



Hong Kong Indonesia

India, China Philippines Singapore

		To	Yield-to-		
		1-Month	YTD	2022	Worst (%)
	Asia USD Bond	1.5	2.9	-11.7	5.9
	Asia Local Currency Bond	3.8	4.0	-8.6	4.3
	China	1.2	2.7	-10.9	6.4
_	Hong Kong	1.9	3.6	-10.5	5.3
Asia	India	1.3	1.4	-9.7	7.6
7	Indonesia	1.9	2.9	-12.9	5.4
	Singapore	1.9	3.0	-11.0	5.3
	South Korea	2.0	2.7	-8.6	5.0
	Philippines	2.0	2.6	-14.2	5.6
	US 10-year Treasuries	3.3	-9.4	-12.1	3.3
Other Regions	US Investment Grades (IG)	2.5	-10.4	-13.0	4.4
	US High Yield (HY)	1.1	-8.0	-11.2	8.5
24	Emerging Market USD Bond	1.2	-9.5	-12.1	6.8

Source: Barclays indices, Bloomberg, BNP Paribas (WM) as of 31 March 2023

US Treasury	2 Y	5Y	1 0 Y	30Y
12-month Yield Targets (%)	4.00	3.75	3.50	3.75

- Central banks have used macroprudential tools to ensure financial stability while they have hiked rates to fight inflation. We maintain our expectations regarding terminal rates: 5.25% in May for the Fed and 3.5% (deposit rate) in June for the ECB. We still do not expect rate cuts this year from the ECB and the Fed.
- We turned neutral from positive on government bonds after the recent rally. We favour short duration Investment Grade credit over High Yield.
- We favour Hong Kong credit. Arguably we believe the worst is over for Hong Kong property as confidence is resuming and rate hiking cycle is closing to the end. We expect HK GDP and HK issuers' business profile gradually recover as China economic activities pick up and border reopening resumes.
- We also favour Indonesia credit. As China opens up, we expect commodity demand to be strong which will be supportive for the IDR. Onshore liquidity is ample, with financing cost lower compared to offshore. We expect lower supply of corporate bonds in the USD market, resulting in many of the bonds to trade at tight levels.



Forex & Commodities





COMMODITIES



12-MONTH FOREX VIEW



JPY GBP



EUR

TWD

IDR

HKD

INR





USD



NZD CAD CNY KRW MYR PHP SGD THB

AUD

EUR: The EURUSD is hovering around our 12month target of 1.08. The 2-year yield differential favored the EUR vs USD. However, we expect some consolidation after the recent rally. This is why we keep our 3-month EURUSD target at 1.06 and 12month target at 1.08.

DXY: We expect the dollar weakening trend to continue in the medium term. However, we do not exclude temporary dollar strength as uncertainty could stay high over the coming weeks. Our 3month target for the USD Index is 103.7 and 12month target is 101.9.

GOLD: We remain positive on gold for the medium to long term, but for now we would take partial profits around \$2000/oz as we expect the bank crisis to fade. Gold remains our preferred hedge against tail risks

OIL: Recession fears have impacted oil more than base metals. We expect oil prices to rebound towards \$90 as the Chinese demand continues to recover, the driving season nears and as OPEC+ and Russia reduce their production.

BASE METALS: We remain positive as demand should be supported by the Chinese recovery despite a mild recession increasingly likely in the US. Medium term outlook remains bullish given the huge needs of the energy transition.

Forex Forecasts

		Spot	3-month		12-n	ionth	
		As of 31 Mar 2023	View	Target	View	Target	
	USD Index*	102.51	=	103.7	-	101.9	
Developed	Japan	133.1	+	130	+	128	
	Eurozone	1.086	=	1.06	=	1.08	
elo	UK	1.236	=	1.20	+	1.23	
)ev	Australia	0.670	+	0.70	+	0.73	
Ц	New Zealand	0.628	+	0.65	+	0.65	
	Canada	1.353	+	1.32	+	1.30	
	China	6.872	=	6.75	+	6.50	
	Hong Kong*	7.850	=	7.85	=	7.85	
□.	South Korea*	1,302	=	1,260	+	1,175	
ара	Taiwan*	30.45	=	30.2	=	29.3	
ζ <u>Σ</u>	India	82.18	=	82.0	=	82.0	
迢	Indonesia*	14,995	=	15,400	=	14,700	
Asia Ex-Japan	Malaysia*	4.413	=	4.28	+	4.07	
	Philippines*	54.37	=	53.8	+	51.9	
	Singapore*	1.330	=	1.30	+	1.22	
	Thailand*	34.20	=	33.20	+	30.50	

Source: BNP Paribas (WM) as of 31 March 2023 *BNP Paribas Global Markets forecast as of 31 March 2023 Note: + Positve / = Neutral / - Negative



DISCLAIMER

This document/communication/information ("document") is provided in Singapore by BNP Paribas, acting through its Singapore branch, and in Hong Kong by BNP Paribas, acting through its Hong Kong branch. BNP Paribas is a public limited company (société anonyme) incorporated in France with liability of its members limited. BNP Paribas, acting through its Hong Kong branch is a licensed bank regulated by the Hong Kong Monetary Authority, a Registered Institution under the Securities and Futures Ordinance of Hong Kong (Cap. 571), and registered with the Securities and Futures Commission (SFC) to carry on Types 1, 4, 6 and 9 regulated activities in Hong Kong (SFC CE Reference: AAF564). BNP Paribas, acting through its Singapore branch (UEN/Registration No: S71FC2142G), is a licensed bank regulated by the Monetary Authority of Singapore. BNP Paribas Wealth Management is the business line name for the Wealth Management activity conducted by BNP Paribas. "BNP Paribas Wealth Management" (UEN/Registration No 53347235X) is a business name registered in Singapore under the Business Names Registration Act 2014.

This document is produced for general information only and should not be used as sole reference for entering into any specific transaction, and the information and opinions contained herein should not be relied upon as authoritative or taken in substitution for the exercise of judgment by any recipient or the seeking of independent professional advice (such as financial, legal, accounting, tax or other advice) by any recipient. This document is not intended to be an offer or a solicitation to buy or to sell or to enter into any transaction. In addition, this document and its contents is not intended to be an advertisement, inducement or representation of any kind or form whatsoever. BNP Paribas reserves the right (but is not obliged) to vary the information in this document at any time without notice and, save to the extent provided otherwise in Clause 6.5 of BNP Paribas Wealth Management's Terms and Conditions ("T&Cs") applicable to your account, BNP Paribas shall not be responsible for any consequences arising from such variation.

The terms set forth herein are intended for discussion purposes only and are subject to the final expression of the terms of the transaction, if the investor decides to proceed with the transaction. It does not represent (a) the actual terms on which a transaction would be entered into, (b) the actual terms on which any existing transactions could be unwound, (c) the calculation or estimate of an amount that would be payable following an early termination of the transactions, or (d) the actual valuations given to the transactions by BNP Paribas in its books of account for financial reporting. The final terms of the transaction will be set forth in the final term sheet, any applicable agreement and/or confirmation. Please also refer to the disclaimer statements contained in the relevant documents, and disclosure and other important

information concerning our fees, charges and/or commissions as set out in the Fee Schedule.

If this document is a post-trade/transaction confirmation, please examine the information as set out in this document carefully and contact us immediately if you notice any discrepancy. The content of this document is subject to the final transaction(s) details / information in our official bank statements and/or advices (if any) which may follow by mail. This document contains confidential information intended only for the use of the addressee(s) named above. If you are not the addressee(s), you must not disseminate, copy or take any action in reliance on it. If you have received this document by error, please notify BNP Paribas and delete/destroy this document immediately.

Although the information and opinions provided herein may have been obtained or derived from published or unpublished sources considered to be reliable and while all reasonable care has been taken in the preparation of this document, BNP Paribas does not make any representation or warranty, express or implied, as to its accuracy or completeness and, save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, BNP Paribas shall not be responsible for any inaccuracy, error or omission. All analysis, estimates and opinions contained in this document constitute BNP Paribas' own judgments as of the date of this document, and such expressions of opinion are subject to change without notice. Information provided herein may contain forward-looking statements. The words "expect", anticipate", "project", "estimate", "predict", "is confident", "has confidence" and similar expressions are also intended to identify forward-looking statements. These forward-looking statements are not historical facts but based on the current beliefs, assumptions, expectations, estimates, and projections of BNP Paribas in light of the information presently available, and involve both known and unknown risks and uncertainties. These forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and other factors, some of which are beyond control and are difficult to predict. Consequently, actual results could differ materially from those expressed, implied or forecasted in these forward looking statements. Investors should form their own independent judgment on any forward-looking statements and seek their own advice from professional advisers to understand such forwardlooking statements. BNP Paribas does not undertake to update these forward looking statements. Where investors take into account any theoretical historical information regarding the performance of the product/investment, investors should bear in mind that any reference to past performance should not be taken as an indication of future performance. BNP Paribas is not



DISCLAIMER

giving any warranties, guarantee or representation as to the expected or projected success, profitability, return, performance, result, effect, consequence or benefit of any investment/ transaction. Save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, no BNP Paribas group company or entity therefore accepts any liability whatsoever for any loss arising, whether direct or indirect, from the use of or reliance on this document or any part of the information provided.

Structured transactions are complex and may involve a high risk of loss including possible loss of the principal invested. If any product mentioned in this document is a structured product which involves derivatives, do not invest in it unless you fully understand and are willing to assume the risks associated with it. If you are in any doubt about the risks involved in any product/transaction, you should seek independent professional advice.

Prior to entering into any transaction, each investor/subscriber should fully understand the terms, conditions and features of the product/investment as well as the risks, the merits and the suitability of entering into any transaction/investment including any market risk associated with the issuer, and consult with their own independent legal, regulatory, tax, financial and accounting advisors before making the investment. Investors/subscribers should fully understand features of the investment, be financially able to bear a loss of their investment and be willing to accept all risks involved. Save as otherwise expressly agreed in writing, (a) where BNP Paribas does not solicit the sale of or recommend any financial product investor/subscriber, BNP Paribas is not acting as financial adviser of the investor/subscriber in any transaction, and (b) in all cases, BNP Paribas is not acting as fiduciary of the investor/subscriber with respect to any transaction.

BNP Paribas and/or persons associated or connected with it may effect or have effected a transaction for their own account in a product/an investment described in this document or any related product before or after this document is published. On the date of this document, BNP Paribas and/or persons associated or connected with it and their respective directors and/or representatives and/or employees may take proprietary positions and may have a long or short position or other interests or make a market in a product mentioned in this document, or in derivative instruments based thereon, and may purchase and/or sell the investment(s) at any time in the open market or otherwise, whether as principal or as agent or as market maker. Additionally, BNP Paribas and/or persons associated or connected with it may have within the previous twelve months acted as an investment banker or may have provided significant

advice or investment services to the companies or in relation to a product mentioned in this document.

This document is confidential and intended solely for the use of BNP Paribas and its affiliates, their respective directors, officers and/or employees and the persons to whom this document has been delivered. It may not be distributed, published, reproduced or disclosed by any recipient to any other person, nor may it be quoted or referred to in any document, without the prior written consent of BNP Paribas.

Hong Kong: This document is distributed in Hong Kong by BNP Paribas, acting through its Hong Kong branch only to Professional Investors within the meaning of Part I of Schedule 1 to the Securities and Futures Ordinance of Hong Kong (Cap. 571). The products or transactions described in this document may not be authorised in Hong Kong and may not be available to Hong Kong investors.

Singapore: This document is distributed in Singapore by BNP Paribas, acting through its Singapore branch only to Accredited Investors within the meaning of the Securities and Futures Act 2001 only and is not intended for investors in Singapore who are not such Accredited Investors and should not be passed on to any such persons. Some products or transactions described in this document may not be authorised in Singapore and may not be available to Singapore investors.

Where this document is distributed by BNP Paribas to a person in Singapore who is not an Accredited Investor, Expert Investor or an Institutional Investor, BNP Paribas, acting through its Singapore branch accepts legal responsibility for the contents of this document to such person only to the extent required by applicable law.

Save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, information in this document is for general circulation to the intended recipients only and is not intended to be a recommendation or investment advice to recipients hereof. A recipient of this document should seek advice from its/his/her own professional adviser regarding the suitability of the products or transactions (taking into account the recipient's specific investment objectives, financial situation and particular needs) as well as the risks involved in such products or transactions before a commitment to purchase or enter into any product or transaction is made.

Please note that this document may relate to a product or products where BNP Paribas is issuer, and in such instance this document or certain information contained therein may have been prepared by BNP Paribas in its capacity as product issuer ("Issuer Document").





wealthmanagement.bnpparibas/asia

DISCLAIMER

Where an Issuer Document is provided to you by BNP Paribas, acting through its Hong Kong branch or BNP Paribas, acting through its Singapore branch in its capacity as distributor, it shall also be subject to Clause 6.5 of the T&Cs. To the extent that there are any inconsistency between the terms of an Issuer Document and Clause 6.5 of the T&Cs, the latter shall prevail.

Generally, please take note that various potential and actual conflicts of interest may arise from the overall investment activities or the roles of the parties involved in any investment product or transaction, their investment professionals and/or their affiliates. In particular, the counterparty / issuer / provider or its related entities or affiliates can offer or manage other investments which interests may be different to the interest of your investments in that investment product or transaction; or for cases where the product counterparty or issuer is BNP Paribas or its related entity or affiliate, BNP Paribas may also act as distributor, guarantor, calculation agent and/or arranger of the same product. BNP Paribas and its affiliates and persons associated or connected with it (collectively "BNP Paribas Group") may make a market in, or may, as principal or agent, buy or sell securities mentioned in this document or derivatives thereon. BNP Paribas Group may have a financial interest in the issuers mentioned in this document, including a long or short position in their securities, and/or options, futures or other derivative instruments based thereon. BNP Paribas Group, including its officers and employees may serve or have served as an officer, director or in an advisory capacity for any issuer mentioned in this document. BNP Paribas Group may, from time to time, solicit, perform or have performed investment banking, underwriting or other services (including acting as adviser, manager, underwriter or lender) within the last 12 months for any issuer referred to in this document. BNP Paribas Group may, to the extent permitted by law, have acted upon or used the information contained herein, or the research or analysis on which it was based, before its publication. Members of the BNP Paribas Group may face possible conflicts of interest in connection with certain duties under structured products. For example, it and its affiliates may trade an underlying for their own account or for the account of others. It or its affiliates may receive a portion of the management or other fees charged with any of the underlyings. BNP Paribas may offer other services to entities associated with an underlying, for which they may be remunerated. All of these activities

may result in conflicts of interest with respect to certain financial interests of BNP Paribas.

Where this document includes a reference to real estate, please note that real estate service offered in Hong Kong by BNP Paribas, acting through its Hong Kong branch exclusively relates to real estate properties outside Hong Kong. Specifically, BNP Paribas, acting through its Hong Kong branch is not licensed to deal with any real estate property situated in Hong Kong. BNP Paribas, acting through its Singapore branch is not licensed to and does not offer real estate service, and nothing herein should be construed as such.

BNPP clients and counterparties are responsible for ensuring that they comply with applicable provisions of Executive Order (EO) 13959, as amended (and any subsequent official guidance). For the full details of the EO, you may want to consult the following websites: For the EO itself, https://home.treasury.gov/system/files/126/13959.pdf , and for the latest guidance on this EO provided by the OFAC, https://home.treasury.gov/policy-issues/financial-sanctions/recent-actions .

By accepting this document, you agree to be bound by the foregoing limitations. In case there is a Chinese version and there is any ambiguity or difference of meaning between the English version and the Chinese versions, the English version shall prevail. In respect of any transactions or arrangement with BNP Paribas, acting through its Singapore branch, the English version is the only operative version and the Chinese version shall be disregarded.

You may contact BNP Paribas, acting through its Singapore branch at 10 Collyer Quay, #35-01 Ocean Financial Centre, Singapore 049315; Tel: (65) 6210 3888; Fax: (65) 6210 3861 in respect of any matters arising from, or in connection with, this document. This paragraph does not apply to you if you are (a) not resident in Singapore and you are (b) served by a Relationship Manager in Hong Kong. If you satisfy (a) and (b), you may contact BNP Paribas, acting through its Hong Kong branch at 63/F Two International Finance Centre, 8 Finance Street, Central, Hong Kong; Tel: (852) 2909 8888, in respect of any matters arising from, or in connection with, this document.

Photo credit: © Getty Images

© BNP Paribas (2023). All rights reserved.

