

Weekly Market View

Too soon for a Fed pivot

→ We believe it is too premature to expect a central bank policy pivot. Markets were hoping that a peak in rates was near following weaker-than-expected US manufacturing and job openings data and a less hawkish RBA rate hike.

→ However, those hopes – and we shall call it ‘hopes’ at this stage – were dashed by a stream of central bankers from the US, Europe, Canada and New Zealand reiterating the need to continue with policy tightening until inflation falls closer towards their targets.

→ Against this backdrop, any near-term run-up in stocks is likely to be another bear market rally fuelled by oversold conditions, just like in July-August. We believe those over-exposed to equities or other risky assets should look to use any near-term rallies to rebalance away into Investment Grade corporate bonds in Asia and Developed Markets, which are paying the highest yields in a decade.

How do idiosyncratic risks affect your preferred view on the European financial sector?

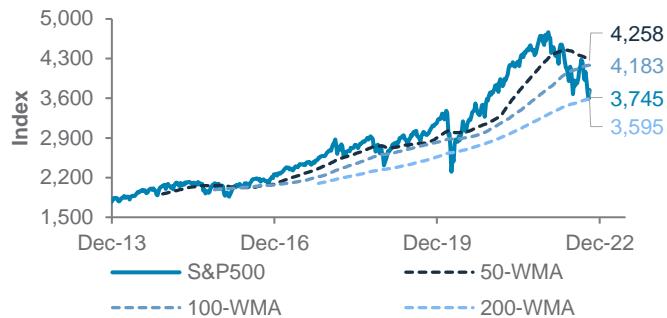
Are you still constructive on the AUD after this week’s less hawkish RBA policy?

What is the outlook for oil after this week’s surprising output cut decision from OPEC+?

Charts of the week: Strong technicals, weak fundamentals

Stocks could see another rally from oversold levels, but fundamentals suggest the bear market is not over yet

S&P500 index, with 50-, 100- and 200-week moving averages



US JOLTS job openings, ISM Manufacturing & Services PMIs



Source: Bloomberg, Standard Chartered

Editorial

Too soon for a Fed pivot

We believe it is too premature to expect a central bank policy pivot. Markets were hoping that a peak in rates was near following weaker-than-expected US manufacturing and job openings data and a less hawkish RBA rate hike. This explains the sharp rebound in stocks and bonds in the first couple of days of the week from oversold levels, following September's rout. However, those hopes – and we shall call it 'hopes' at this stage – were dashed by a stream of central bankers from the US, Europe, Canada and New Zealand reiterating the need to continue with policy tightening until inflation falls closer towards their targets. As a result, equities pared back the gains in the past couple of days. Money markets now expect Fed rates to rise another 150bps and peak at around 4.75% by March next year, compared with around 4.5% priced in at the start of the week, and ECB rates to peak at around 3% by July next year.

We believe job markets remain too tight both in the US and Europe and core inflation pressures too high for the central banks to relent anytime soon. In the US, for instance, job openings data (JOLTS) showed the labour market is cooling from near-record tight levels but it remains hotter than the Fed would like it to be and what is needed to bring down core inflation towards its 2% goal. Tonight's US non-farm payrolls data, which according to consensus is expected to show 255,000 jobs were created last month, underlines the tight market. The US unemployment rate is likely to stay at or below the current level of 3.7% (just above the 50-year low of 3.5% hit in July) as long as monthly job creation continues above 79,000, according to the Atlanta Fed's calculations (assuming stable labour participation). We believe the Fed will continue to raise rates until the jobless rate rises well above the long-term 4% target. In the Fed's latest forecasts, policymakers projected the unemployment rate to rise to 4.4% by Q4 next year.

Meanwhile, ISM data showed the US services sector remains strong, picking up the slack from the manufacturing sector as demand shifts from goods to services. This shift, in our view, is likely to keep services sector and core inflation elevated.

OPEC's decision this week to cut oil output by 2mbpd is likely to keep crude oil prices elevated. Meanwhile, Russia's annexation of four Ukraine regions and EU plans to cap Russian oil prices are likely to increase tensions in Europe, keeping energy prices elevated. There is also the risk of further escalation in US-Russia tensions ahead of the US mid-term elections where Democrats are slated to lose their majority in the Congress. No surprises then that a stream of Fed policymakers and ECB President Lagarde were all singing from the same hymn sheet this week – warning that rates need to go up higher and stay there for some time to bring down inflation.

Against this backdrop, any near-term run-up in stocks is likely to be another bear market rally fuelled by oversold conditions, just like in July-August. The S&P500, having rebounded from its 200-week moving average, faces key resistance around 3900, followed by 4100. The US 10-year government bond yield is also likely to retest September's 12-year high of 4%, especially if tonight's jobs data and inflation data on 13 October (the consensus estimates core CPI decelerated to 0.4% m/m in September) beat expectations. An underwhelming payrolls report and/or downbeat inflation data would of course provide a short-term relief rally in stocks and bonds.

Given this, we believe those over-exposed to equities or other risky assets such as High Yield bonds should look to use any near-term rallies to rebalance away into Investment Grade corporate bonds in Asia and Developed Markets, which are paying the highest yields in a decade. They could also consider averaging into deeply undervalued Asia ex-Japan and UK equities. We expect further policy easing in China once the Party Congress (starting on 16 Oct) is over. These measures should boost depressed local equities. Meanwhile, the global energy sector remains our top pick among equity sectors. We believe the sector offers an attractive way to hedge against a sustained inflationary scenario. OPEC's larger-than-expected output cut plan and a further drawdown in US inventories should keep oil prices elevated, supporting this equity sector.

— Rajat Bhattacharya

The weekly macro balance sheet

Our weekly net assessment: On balance, we see the past week's data and policy as negative for risk assets in the near term.

(+ factors: Slowing US job openings and manufacturing PMI

(- factors: Hawkish Fed, strong US services data, OPEC output cut

	Positive for risk assets	Negative for risk assets
COVID-19		<ul style="list-style-type: none"> China's traditional Golden Week travel subdued due to COVID-19 restrictions China banned residents from leaving Xinjiang after a COVID-19 outbreak
Our assessment: Negative – Golden Week travel curbs		
Macro data	<ul style="list-style-type: none"> Weaker-than-expected US ISM Manufacturing PMI, new orders PMI and JOLTS job openings 	<ul style="list-style-type: none"> Stronger-than-expected US ISM Services PMI Euro area retail sales fell more than expected and producer price inflation rose more than expected Germany forecast a 2023 recession and 8% inflation China's non-manufacturing PMI fell below estimates
Our assessment: Negative – In an environment when 'good news is bad news', the strong US services data, on balance, raises the odds of continued Fed policy tightening; China's weak non-manufacturing PMI; Europe's retail sales slump		
Policy developments	<ul style="list-style-type: none"> RBA hiked rates by 25bps vs market expectations of a 50bps hike UK Chancellor Kwarteng reversed plans to cut the top tax rate of 45% and brought forward the publication of his plan to cut UK's debt 	<ul style="list-style-type: none"> A stream of Fed officials reminded the need to continue raising rates and keeping it there until inflation falls closer to 2% ECB minutes showed broad support for a 75bps hike this month RBNZ hiked rates by 50bps as expected
Our assessment: Negative – Hawkish Fed speeches		
Other developments		<ul style="list-style-type: none"> OPEC+ cut output target by 2mbpd, tightening supplies EU finalised plans to cap Russian oil prices
Our assessment: Negative – OPEC output cut, escalation of Russia vs US/Europe tensions		

The US manufacturing sector appears to be slowing sharply as goods demand fades

US ISM PMI sub-indices for prices paid, new orders and employment



Source: Bloomberg; Standard Chartered

The Euro area faces rising stagflation pressures, with prices accelerating and demand contracting

Euro area producer price inflation and retail sales



Source: Bloomberg, Standard Chartered

China's activity indicators remain lacklustre but we expect them to pick up as policy eases further after this month's Communist Party Congress

China's Manufacturing and Non-Manufacturing PMIs



Source: Bloomberg, Standard Chartered

Top client questions

Q How would idiosyncratic risks affect your preferred view on the European financial sector?

In recent weeks, negative headlines surrounding Credit Suisse drove poor sentiment for the financial sector. Concurrently, global equities made new 52-week lows in September and FX markets (particularly the GBP) saw extreme volatility. This backdrop and a continued tightening of financial conditions mean equity market volatility is likely to be elevated. However, we believe European banks are better capitalised than in previous cycles, offering a much stronger stability buffer for the financial system. The banking sector withstood the COVID-19-led recession and the Ukraine war well, and we expect it can also weather idiosyncratic risks. In our view, European financial equities remain attractively valued, at a time when higher interest rates should be supporting a sector re-rating. We expect the sector to outperform the broader market over 12 months. Near-term weakness offers an opportunity to add exposure for longer-term investors, even if further lows cannot be ruled out in the short term.

From a bondholder perspective, we remain constructive on the European banks' subordinated bonds sub-asset class, given adequate capital levels and expectations that banks would likely first stop equity dividends to preserve capital, if required (as experienced in 2020). Thus, we believe market concerns may be overdone. Hence, while near-term weakness cannot be ruled out, we view the yields and risk-reward as attractive for long-term investors.

— **Fook Hien Yap**, Senior Investment Strategist
Abhilash Narayan, Senior Investment Strategist

Q Do you expect the 10-year US Treasury yield to go higher?

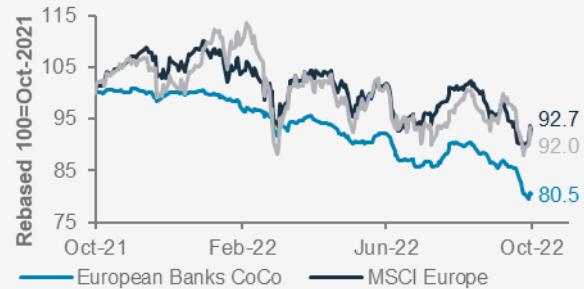
This week, the benchmark 10-year US government bond yield fell on rising expectation of the Fed pausing its rate hiking cycle. While the weak September ISM manufacturing and job opening readings and weaker housing market data have fanned expectations, we believe a Fed "pivot" does not look likely yet. Firstly, the US job market remains strong, providing grounds for the Fed to stay the course with monetary policy tightening. Also, recent speeches by Fed policymakers reaffirmed the Fed's commitment to fight inflation. Lastly, although Australia's central bank did surprise with a smaller-than-expected rate hike, most global central banks retain a tightening bias, with the latest one being the RBNZ. Together, these factors lead us to believe that the bond yield risk is skewed to the upside. Hence, we retain our view that 10-year US Treasury yield could test 4% by the end of this year.

Given the recent softening of bond yields generally, we would use the window to reduce our exposure to Developed Market (DM) government bonds and look for opportunities to add to DM Investment Grade corporate bonds or Asia USD bonds, our preferred areas with bonds.

— **Cedric Lam**, Senior Investment Strategist

European financial equities have declined c.8% in EUR terms along with the broader market in the past year; European banks' subordinated bonds are pricing in a significantly negative outlook

Total return of Bloomberg European subordinated bonds (CoCo* Tier 1, EUR hedged), MSCI Europe and MSCI Europe Financial equity indices

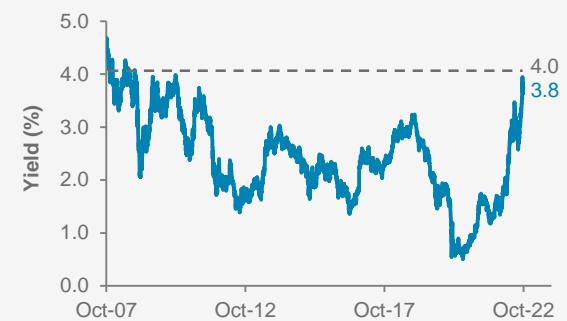


Source: Bloomberg, Standard Chartered

*See page 8 for explanatory notes on CoCo bonds

The US 10-year government bond yield could retest 4% towards end of this year

10-year US Treasury yield



Source: Bloomberg, Standard Chartered

Top client questions (cont'd)

Q Are you still constructive on AUD/USD after this week's less hawkish RBA policy?

The RBA surprised the markets earlier this week, hiking policy rates by 25bps vs consensus expectation of 50bps. The RBA signalled it is still likely to continue hiking rates, albeit at a slower pace than before. This would provide it the opportunity to assess the impact of the rate hikes so far, given that typically the impact gets felt on the economy with a lag. Signs of weakness in the real estate market may also have been a consideration, given the majority of mortgage loans in Australia have variable rates.

A less hawkish RBA is likely to pose a headwind for AUD/USD in the near term, as 2-year relative real (net-of-inflation) yields are likely to turn less supportive than before. We see strong technical support in the 0.6330-0.6360 region. However, on a 12-month horizon, we see three supportive drivers which should push AUD/USD towards the 0.67-0.68 region: a. the currency pair's underperformance vs the terms of trade; b. relatively stronger Australian growth; and c. AUD undervaluation as supportive drivers.

— **Abhilash Narayan, Senior Investment Strategist**

Q What is the outlook for oil prices after this week's surprise decision from OPEC+?

OPEC+ surprised markets with a relatively large output cut of 2mbpd, starting in November, with producers arguing the move was necessary to protect the industry and their own economies from slowing global growth. This was the largest output cut since the pandemic in 2020. The actual cut to output is likely to be smaller than this given the producers were struggling to meet prior output targets (with Saudi Arabia's energy minister estimating the actual cut at 1-1.1mn bpd), but the size is nevertheless significant.

We believe this action is consistent with our expectation that oil prices remain well-supported over the next 1-3 months, despite longer-term (6-12 month) risks to the downside. The OPEC+ cut, together with the upcoming imposition of sanctions and price caps on Russian oil exports, means the focus is likely to remain on supply risks over the next few months, though the US's decision to signal another Strategic Petroleum Reserve release could add some additional price volatility around this. From a technical standpoint, a WTI oil price break above 50-DMA (just above USD 88 currently) would make a rise towards USD 90, followed by the 200-DMA at USD 97, more likely in the near term.

— **Manpreet Gill, Chief Investment Officer, AMEE**

We expect AUD/USD to move higher to catch-up with Australia's strong Terms of Trade

AUD/USD and Australia's Terms of Trade



Source: Bloomberg, Standard Chartered

Crude oil faces near-term resistance around USD88/bbl; a break higher would target USD 90, followed by USD 97

WTI crude oil price



Source: Bloomberg, Standard Chartered

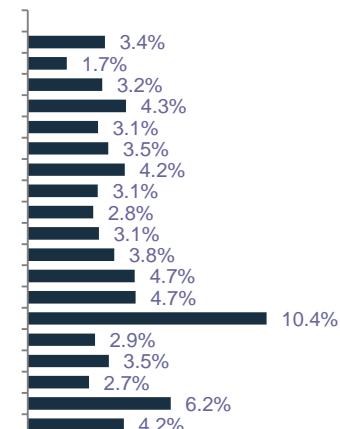
Market performance summary *

2022 YTD

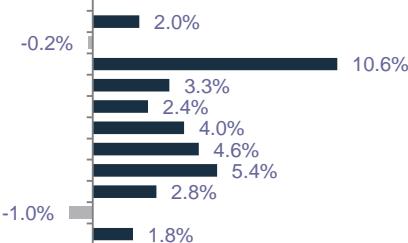
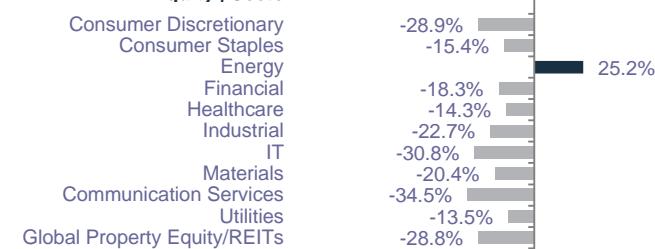
Equity | Country & Region



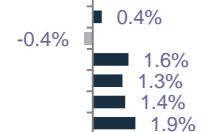
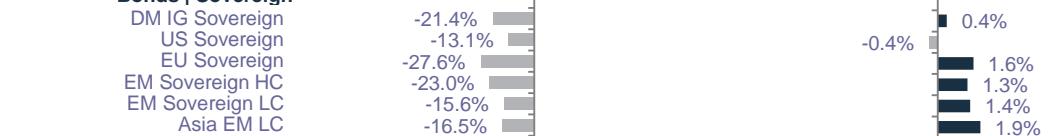
1 Week



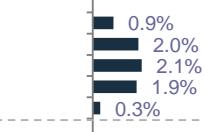
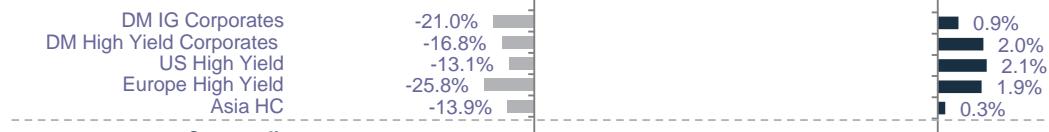
Equity | Sector



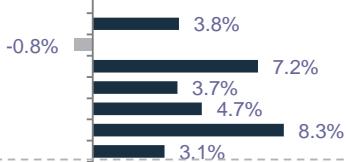
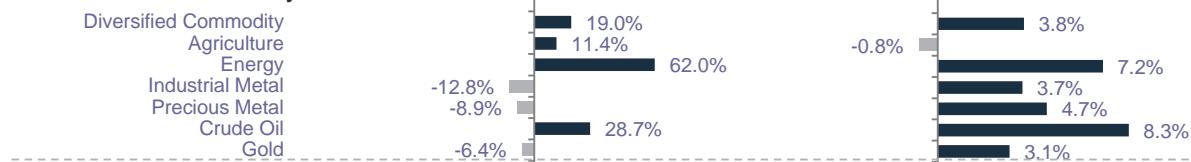
Bonds | Sovereign



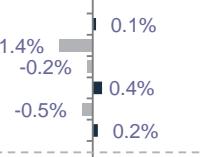
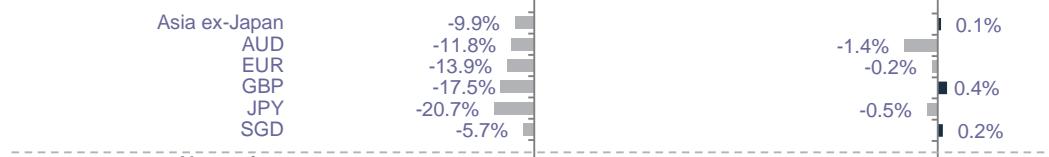
Bonds | Credit



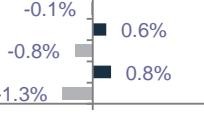
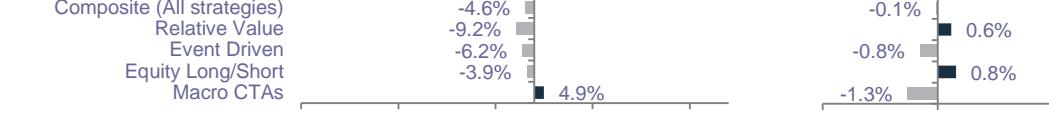
Commodity



FX (against USD)



Alternatives



Sources: MSCI, JP Morgan, Barclays Capital, Citigroup, Dow Jones, HFRX, FTSE, Bloomberg, Standard Chartered

*Performance in USD terms unless otherwise stated, 2022 YTD performance from 31 December 2021 to 06 October 2022; 1-week period: 29 September 2022 to 06 October 2022

Our 12-month asset class views at a glance

Asset class	
Equities	◆
Euro area	▼
US	◆
UK	▲
Asia ex-Japan	▲
Japan	◆
Other EM	◆
Bonds (Credit)	◆
Asia USD	▲
Corp DM HY	◆
Govt EM USD	◆
Corp DM IG	▲
Bonds (Govt)	▼
Govt EM Local	▼
Govt DM IG	▼
Gold	◆

Source: Standard Chartered Global Investment Committee

Legend: ▲ Most preferred | ▼ Less preferred | ◆ Core holding

Economic and market calendar

	Event	Next week	Period	Expected	Prior
MON	EC	Sentix Investor Confidence	Oct	–	-31.8
TUE					
WED	US	PPI Ex Food and Energy y/y	Sep	7.3%	7.3%
THUR	US	CPI Ex Food and Energy y/y	Sep	6.5%	6.3%
CH	PPI y/y	Sep	1.1%	2.3%	
CH	CPI y/y	Sep	2.8%	2.5%	
US	Retail Sales Ex Auto and Gas	Sep	–	0.3%	
US	U. of Mich. Sentiment	Oct P	59.0	58.6	
US	U. of Mich. 1 Yr Inflation	Oct P	–	4.7%	
US	U. of Mich. 5-10 Yr Inflation	Oct P	–	2.7%	
CH	Exports y/y	Sep	4.0%	7.1%	

Source: Bloomberg, Standard Chartered

Prior data are for the preceding period unless otherwise indicated. Data are % change on previous period unless otherwise indicated

P - preliminary data, F - final data, sa - seasonally adjusted, y/y - year-on-year, m/m - month-on-month

Next resistance for the US 10-year bond yield is at 3.89%

Technical indicators for key markets as on 06 October

Index	Spot	1st support	1st resistance
S&P 500	3,745	3,623	3,828
STOXX 50	3,433	3,340	3,506
FTSE 100	6,997	6,899	7,091
Nikkei 225	27,060	26,228	27,602
Shanghai Comp	3,024	3,024	3,024
Hang Seng	18,012	17,365	18,374
MSCI Asia ex-Japan	578	561	586
MSCI EM	911	887	922
Brent (ICE)	94.5	90.1	96.6
Gold	1,710	1,672	1,737
UST 10y Yield	3.83	3.70	3.89

Source: Bloomberg, Standard Chartered

Note: These short-term technical levels are based on models and may differ from a more qualitative analysis provided in other pages

Investor diversity remains reasonably high across assets

Our proprietary market diversity indicators as of 06 October

Level 1	Diversity	1-month trend	Fractal dimension
Global Bonds	●	→	1.38
Global Equities	●	→	1.51
Gold	●	→	1.34
Equity			
MSCI US	●	↑	1.74
MSCI Europe	●	↓	1.36
MSCI AC AXJ	●	↓	1.27
Fixed Income			
DM Corp Bond	●	→	1.45
DM High Yield	●	↓	1.67
EM USD	●	↓	1.59
EM Local	●	↓	1.42
Asia USD	●	↓	1.50
Commodities			
WTI Crude Oil	●	→	1.44

Source: Bloomberg, Standard Chartered; Fractal dimensions below

1.25 indicate extremely low market diversity/high risk of a reversal

Legend: ● High | ● Low to mid | ○ Critically low

Explanatory notes

Contingent Convertibles are complex financial instruments and are not a suitable or appropriate investment for all investors. This document is not an offer to sell or an invitation to buy any securities or any beneficial interests therein. Contingent convertible securities are not intended to be sold and should not be sold to retail clients in the European Economic Area (EEA) (each as defined in the Policy Statement on the Restrictions on the Retail Distribution of Regulatory Capital Instruments (Feedback to CP14/23 and Final Rules) ("Policy Statement"), read together with the Product Intervention (Contingent Convertible Instruments and Mutual Society Shares) Instrument 2015 ("Instrument", and together with the Policy Statement, the "Permanent Marketing Restrictions"), which were published by the United Kingdom's Financial Conduct Authority in June 2015), other than in circumstances that do not give rise to a contravention of the Permanent Marketing Restrictions.

Disclosures

This document is confidential and may also be privileged. If you are not the intended recipient, please destroy all copies and notify the sender immediately. This document is being distributed for general information only and is subject to the relevant disclaimers available at our Standard Chartered website under Regulatory disclosures. It is not and does not constitute research material, independent research, an offer, recommendation or solicitation to enter into any transaction or adopt any hedging, trading or investment strategy, in relation to any securities or other financial instruments. This document is for general evaluation only. It does not take into account the specific investment objectives, financial situation or particular needs of any particular person or class of persons and it has not been prepared for any particular person or class of persons. You should not rely on any contents of this document in making any investment decisions. Before making any investment, you should carefully read the relevant offering documents and seek independent legal, tax and regulatory advice. In particular, we recommend you to seek advice regarding the suitability of the investment product, taking into account your specific investment objectives, financial situation or particular needs, before you make a commitment to purchase the investment product. Opinions, projections and estimates are solely those of SCB at the date of this document and subject to change without notice. Past performance is not indicative of future results and no representation or warranty is made regarding future performance. Any forecast contained herein as to likely future movements in rates or prices or likely future events or occurrences constitutes an opinion only and is not indicative of actual future movements in rates or prices or actual future events or occurrences (as the case may be). This document must not be forwarded or otherwise made available to any other person without the express written consent of the Standard Chartered Group (as defined below). Standard Chartered Bank is incorporated in England with limited liability by Royal Charter 1853 Reference Number ZC18. The Principal Office of the Company is situated in England at 1 Basinghall Avenue, London, EC2V 5DD. Standard Chartered Bank is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and Prudential Regulation Authority. Standard Chartered PLC, the ultimate parent company of Standard Chartered Bank, together with its subsidiaries and affiliates (including each branch or representative office), form the Standard Chartered Group. Standard Chartered Private Bank is the private banking division of Standard Chartered. Private banking activities may be carried out internationally by different legal entities and affiliates within the Standard Chartered Group (each an "SC Group Entity") according to local regulatory requirements. Not all products and services are provided by all branches, subsidiaries and affiliates within the Standard Chartered Group. Some of the SC Group Entities only act as representatives of Standard Chartered Private Bank and may not be able to offer products and services or offer advice to clients. ESG data has been provided by Morningstar and Sustainalytics. Refer to the Morningstar website under Sustainable Investing and the Sustainalytics website under ESG Risk Ratings for more information. The information is as at the date of publication based on data provided and may be subject to change.

Copyright © 2022, Accounting Research & Analytics, LLC d/b/a CFRA (and its affiliates, as applicable). Reproduction of content provided by CFRA in any form is prohibited except with the prior written permission of CFRA. CFRA content is not investment advice and a reference to or observation concerning a security or investment provided in the CFRA SERVICES is not a recommendation to buy, sell or hold such investment or security or make any other investment decisions. The CFRA content contains opinions of CFRA based upon publicly-available information that CFRA believes to be reliable and the opinions are subject to change without notice. This analysis has not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body. While CFRA exercised due care in compiling this analysis, CFRA, ITS THIRD-PARTY SUPPLIERS, AND ALL RELATED ENTITIES SPECIFICALLY DISCLAIM ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, to the full extent permitted by law, regarding the accuracy, completeness, or usefulness of this information and assumes no liability with respect to the consequences of relying on this information for investment or other purposes. No content provided by CFRA (including ratings, credit-related analyses and data, valuations, model, software or other application or output therefrom) or any part thereof may be modified, reverse engineered, reproduced or distributed in any form by any means, or stored in a database or retrieval system, without the prior

written permission of CFRA, and such content shall not be used for any unlawful or unauthorized purposes. CFRA and any third-party providers, as well as their directors, officers, shareholders, employees or agents do not guarantee the accuracy, completeness, timeliness or availability of such content. In no event shall CFRA, its affiliates, or their third-party suppliers be liable for any direct, indirect, special, or consequential damages, costs, expenses, legal fees, or losses (including lost income or lost profit and opportunity costs) in connection with a subscriber's, subscriber's customer's, or other's use of CFRA's content.

Market Abuse Regulation (MAR) Disclaimer

Banking activities may be carried out internationally by different branches, subsidiaries and affiliates within the Standard Chartered Group according to local regulatory requirements. Opinions may contain outright "buy", "sell", "hold" or other opinions. The time horizon of this opinion is dependent on prevailing market conditions and there is no planned frequency for updates to the opinion.

This opinion is not independent of Standard Chartered Group's trading strategies or positions. Standard Chartered Group and/or its affiliates or its respective officers, directors, employee benefit programmes or employees, including persons involved in the preparation or issuance of this document may at any time, to the extent permitted by applicable law and/or regulation, be long or short any securities or financial instruments referred to in this document or have material interest in any such securities or related investments. Therefore, it is possible, and you should assume, that Standard Chartered Group has a material interest in one or more of the financial instruments mentioned herein. Please refer to our Standard Chartered website under Regulatory disclosures for more detailed disclosures, including past opinions/ recommendations in the last 12 months and conflict of interests, as well as disclaimers. A covering strategist may have a financial interest in the debt or equity securities of this company/issuer. This document must not be forwarded or otherwise made available to any other person without the express written consent of Standard Chartered Group.

Country/Market Specific Disclosures

Botswana: This document is being distributed in Botswana by, and is attributable to, Standard Chartered Bank Botswana Limited which is a financial institution licensed under the Section 6 of the Banking Act CAP 46.04 and is listed in the Botswana Stock Exchange.

Brunei Darussalam: This document is being distributed in Brunei Darussalam by, and is attributable to, Standard Chartered Bank (Brunei Branch) | Registration Number RFC/61 and Standard Chartered Securities (B) Sdn Bhd | Registration Number RC20001003. Standard Chartered Bank is incorporated in England with limited liability by Royal Charter 1853 Reference Number ZC18 and Standard Chartered Securities (B) Sdn Bhd, which is a limited liability company registered with the Registry of Companies with Registration Number RC20001003 and licensed by Brunei Darussalam Central Bank as a Capital Markets Service License Holder with License Number AMBD/R/CMU/S3-CL and authorised to conduct Islamic investment business through an Islamic window.

China Mainland: This document is being distributed in China by, and is attributable to, Standard Chartered Bank (China) Limited which is mainly regulated by China Banking and Insurance Regulatory Commission (CBIRC), State Administration of Foreign Exchange (SAFE), and People's Bank of China (PBOC). **Hong Kong:** In Hong Kong, this document, except for any portion advising on or facilitating any decision on futures contracts trading, is distributed by Standard Chartered Bank (Hong Kong) Limited ("SCBHK"), a subsidiary of Standard Chartered PLC. SCBHK has its registered address at 32/F, Standard Chartered Bank Building, 4-4A Des Voeux Road Central, Hong Kong and is regulated by the Hong Kong Monetary Authority and registered with the Securities and Futures Commission ("SFC") to carry on Type 1 (dealing in securities), Type 4 (advising on securities), Type 6 (advising on corporate finance) and Type 9 (asset management) regulated activity under the Securities and Futures Ordinance (Cap. 571) ("SFO") (CE No. AJI614). The contents of this document have not been reviewed by any regulatory authority in Hong Kong and you are advised to exercise caution in relation to any offer set out herein. If you are in doubt about any of the contents of this document, you should obtain independent professional advice. Any product named herein may not be offered or sold in Hong Kong by means of any document at any time other than to "professional investors" as defined in the SFO and any rules made under that ordinance. In addition, this document may not be issued or possessed for the purposes of issue, whether in Hong Kong or elsewhere, and any interests may not be disposed of, to any person unless such person is outside Hong Kong or is a "professional investor" as defined in the SFO and any rules made under that ordinance, or as otherwise may be permitted by that ordinance. In Hong Kong, Standard Chartered Private Bank is the private banking division of Standard Chartered Bank (Hong Kong) Limited, a subsidiary of Standard Chartered PLC.

Ghana: Standard Chartered Bank Ghana Limited accepts no liability and will not be liable for any loss or damage arising directly or indirectly (including special, incidental or consequential loss or damage) from your use of these documents. Past performance is not indicative of future results and no representation or warranty is made regarding future performance. You should seek advice from a financial adviser on the suitability of an investment for you, taking into account these factors before making a commitment to invest in an investment. To unsubscribe from receiving further updates, please send an email to feedback.ghana@sc.com. Please do not reply to this email. Call our Priority Banking on 0302610750 for any questions or service queries. You are advised not to send any confidential and/or important information to the Bank via e-mail, as the Bank makes no

representations or warranties as to the security or accuracy of any information transmitted via e-mail. The Bank shall not be responsible for any loss or damage suffered by you arising from your decision to use e-mail to communicate with the Bank.

India: This document is being distributed in India by Standard Chartered Bank in its capacity as a distributor of mutual funds and referrer of any other third party financial products. Standard Chartered Bank does not offer any 'Investment Advice' as defined in the Securities and Exchange Board of India (Investment Advisers) Regulations, 2013 or otherwise. Services/products related securities business offered by Standard Chartered Bank are not intended for any person, who is a resident of any jurisdiction, the laws of which imposes prohibition on soliciting the securities business in that jurisdiction without going through the registration requirements and/or prohibit the use of any information contained in this document. **Indonesia:** This document is being distributed in Indonesia by Standard Chartered Bank, Indonesia branch, which is a financial institution licensed, registered and supervised by Otoritas Jasa Keuangan (Financial Service Authority). **Jersey:** In Jersey, Standard Chartered Private Bank is the Registered Business Name of the Jersey

Branch of Standard Chartered Bank. The Jersey Branch of Standard Chartered Bank is regulated by the Jersey Financial Services Commission. Copies of the latest audited accounts of Standard Chartered Bank are available from its principal place of business in Jersey: PO Box 80, 15 Castle Street, St Helier, Jersey JE4 8PT. Standard Chartered Bank is incorporated in England with limited liability by Royal Charter in 1853 Reference Number ZC 18. The Principal Office of the Company is situated in England at 1 Basinghall Avenue, London, EC2V 5DD. Standard Chartered Bank is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and Prudential Regulation Authority. The Jersey Branch of Standard Chartered Bank is also an authorised financial services provider under license number 44946 issued by the Financial Sector Conduct Authority of the Republic of South Africa. Jersey is not part of the United Kingdom and all business transacted with Standard Chartered Bank, Jersey Branch and other SC Group Entity outside of the United Kingdom, are not subject to some or any of the investor protection and compensation schemes available under United Kingdom law.

Kenya: This document is being distributed in Kenya by, and is attributable to Standard Chartered Bank Kenya Limited. Investment Products and Services are distributed by Standard Chartered Investment Services Limited, a wholly owned subsidiary of Standard Chartered Bank Kenya Limited (Standard Chartered Bank/the Bank) that is licensed by the Capital Markets Authority as a Fund Manager. Standard Chartered Bank Kenya Limited is regulated by the Central Bank of Kenya. **Malaysia:** This document is being distributed in Malaysia by Standard Chartered Bank Malaysia Berhad. Recipients in Malaysia should contact Standard Chartered Bank Malaysia Berhad in relation to any matters arising from, or in connection with, this document.

Nigeria: This document is being distributed in Nigeria by Standard Chartered Bank Nigeria Limited ("the Bank"), a bank duly licensed and regulated by the Central Bank of Nigeria. The Bank accepts no liability for any loss or damage arising directly or indirectly (including special, incidental or consequential loss or damage) from your use of these documents. You should seek advice from a financial adviser on the suitability of an investment for you, taking into account these factors before making a commitment to invest in an investment. To unsubscribe from receiving further updates, please send an email to clientcare.ng@sc.com requesting to be removed from our mailing list. Please do not reply to this email. Call our Priority Banking on 01-2772514 for any questions or service queries. The Bank shall not be responsible for any loss or damage arising from your decision to send confidential and/or important information to the Bank via e-mail, as the Bank makes no representations or warranties as to the security or accuracy of any information transmitted via e-mail.

Pakistan: This document is being distributed in Pakistan by, and is attributable to Standard Chartered Bank (Pakistan) Limited having its registered office at PO Box 5556, I.I Chundrigar Road Karachi, which is a banking company registered with State Bank of Pakistan under Banking Companies Ordinance 1962 and is also having licensed issued by Securities & Exchange Commission of Pakistan for Security Advisors. Standard Chartered Bank (Pakistan) Limited acts as a distributor of mutual funds and referrer of other third-party financial products. **Singapore:** This document is being distributed in Singapore by, and is attributable to, Standard Chartered Bank (Singapore) Limited (Registration No. 201224747C/ GST Group Registration No. MR-8500053-0, "SCBSL"). Recipients in Singapore should contact SCBSL in relation to any matters arising from, or in connection with, this document. SCBSL is an indirect wholly owned subsidiary of Standard Chartered Bank and is licensed to conduct banking business in Singapore under the Singapore Banking Act, 1970. Standard Chartered Private Bank is the private banking division of SCBSL.

IN RELATION TO ANY SECURITY OR SECURITIES-BASED DERIVATIVES CONTRACT REFERRED TO IN THIS DOCUMENT, THIS DOCUMENT, TOGETHER WITH THE ISSUER DOCUMENTATION, SHALL BE DEEMED AN INFORMATION MEMORANDUM (AS DEFINED IN SECTION 275 OF THE SECURITIES AND FUTURES ACT, 2001 ("SFA")). THIS DOCUMENT IS INTENDED FOR DISTRIBUTION TO ACCREDITED INVESTORS, AS DEFINED IN SECTION 4A(1)(a) OF THE SFA, OR ON THE BASIS THAT THE SECURITY OR SECURITIES-BASED DERIVATIVES CONTRACT MAY ONLY BE ACQUIRED AT A CONSIDERATION OF NOT LESS THAN S\$200,000 (OR ITS EQUIVALENT IN A FOREIGN CURRENCY) FOR EACH TRANSACTION. Further, in relation to any security or securities-based derivatives contract, neither this document nor the Issuer Documentation has been registered as a prospectus with the Monetary Authority of Singapore under the SFA. Accordingly, this document and any other document or material in connection with the offer or sale, or invitation for subscription or purchase, of the product may not be circulated or distributed, nor may the product be offered or sold, or be made the subject of an invitation for

subscription or purchase, whether directly or indirectly, to persons other than a relevant person pursuant to section 275(1) of the SFA, or any person pursuant to section 275(1A) of the SFA, and in accordance with the conditions specified in section 275 of the SFA, or pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. In relation to any collective investment schemes referred to in this document, this document is for general information purposes only and is not an offering document or prospectus (as defined in the SFA). This document is not, nor is it intended to be (i) an offer or solicitation of an offer to buy or sell any capital markets product; or (ii) an advertisement of an offer or intended offer of any capital markets product. **Deposit Insurance Scheme:** Singapore dollar deposits of non-bank depositors are insured by the Singapore Deposit Insurance Corporation, for up to S\$75,000 in aggregate per depositor per Scheme member by law. Foreign currency deposits, dual currency investments, structured deposits and other investment products are not insured. This advertisement has not been reviewed by the Monetary Authority of Singapore. **Taiwan:** Standard Chartered Bank ("SCB") or Standard Chartered Bank (Taiwan) Limited

("SCB (Taiwan)") may be involved in the financial instruments contained herein or other related financial instruments. The author of this document may have discussed the information contained herein with other employees or agents of SCB or SCB (Taiwan). The author and the above-mentioned employees of SCB or SCB (Taiwan) may have taken related actions in respect of the information involved (including communication with customers of SCB or SCB (Taiwan) as to the information contained herein). The opinions contained in this document may change, or differ from the opinions of employees of SCB or SCB (Taiwan). SCB and SCB (Taiwan) will not provide any notice of any changes to or differences between the above-mentioned opinions. This document may cover companies with which SCB or SCB (Taiwan) seeks to do business at times and issuers of financial instruments. Therefore, investors should understand that the information contained herein may serve as specific purposes as a result of conflict of interests of SCB or SCB (Taiwan). SCB, SCB (Taiwan), the employees (including those who have discussions with the author) or customers of SCB or SCB (Taiwan) may have an interest in the products, related financial instruments or related derivative financial products contained herein; invest in those products at various prices and on different market conditions; have different or conflicting interests in those products. The potential impacts include market makers' related activities, such as dealing, investment, acting as agents, or performing financial or consulting services in relation to any of the products referred to in this document. **UAE:** DIFC - Standard Chartered Bank is incorporated in England with limited liability by Royal Charter 1853 Reference Number ZC18. The Principal Office of the Company is situated in England at 1 Basinghall Avenue, London, EC2V 5DD. Standard Chartered Bank is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and Prudential Regulation Authority. Standard Chartered Bank, Dubai International Financial Centre having its offices at Dubai International Financial Centre, Building 1, Gate Precinct, P.O. Box 999, Dubai, UAE is a branch of Standard Chartered Bank and is regulated by the Dubai Financial Services Authority ("DFSA"). This document is intended for use only by Professional Clients and is not directed at Retail Clients as defined by the DFSA Rulebook. In the DIFC we are authorised to provide financial services only to clients who qualify as Professional Clients and Market Counterparties and not to Retail Clients. As a Professional Client you will not be given the higher retail client protection and compensation rights and if you use your right to be classified as a Retail Client we will be unable to provide financial services and products to you as we do not hold the required license to undertake such activities. For Islamic transactions, we are acting under the supervision of our Shariah Supervisory Committee. Relevant information on our Shariah Supervisory Committee is currently available on the Standard Chartered Bank website in the Islamic banking section. For residents of the UAE – Standard Chartered Bank UAE does not provide financial analysis or consultation services in or into the UAE within the meaning of UAE Securities and Commodities Authority Decision No. 48/r of 2008 concerning financial consultation and financial analysis. **Uganda:** Our Investment products and services are distributed by Standard Chartered Bank Uganda Limited, which is licensed by the Capital Markets Authority as an investment adviser. **United Kingdom:** Standard Chartered Bank is incorporated in England with limited liability by Royal Charter 1853 Reference Number ZC18. The Principal Office of the Company is situated in England at 1 Basinghall Avenue, London, EC2V 5DD. Standard Chartered Bank is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and Prudential Regulation Authority. Standard Chartered Bank (trading as Standard Chartered Private Bank) is an authorised financial services provider (license number 45747) in terms of the South African Financial Advisory and Intermediary Services Act, 2002. **Vietnam:** This document is being distributed in Vietnam by, and is attributable to, Standard Chartered Bank (Vietnam) Limited which is mainly regulated by State Bank of Vietnam (SBV). Recipients in Vietnam should contact Standard Chartered Bank (Vietnam) Limited for any queries regarding any content of this document. **Zambia:** This document is distributed by Standard Chartered Bank Zambia Plc, a company incorporated in Zambia and registered as a commercial bank and licensed by the Bank of Zambia under the Banking and Financial Services Act Chapter 387 of the Laws of Zambia.