



Weekly Market View

A Christmas rally next?

→ What will it take for the month-long equity market rebound to progress into a Christmas rally?

→ For one, the rally needs to overcome several chart hurdles, notably a major technical resistance for the S&P500 index and critical support levels for US government bond yields and the USD. This raises the chances of a period of consolidation ahead.

→ However, data does not show any significant one-sided investor positioning in any major market. There is plenty of cash waiting to be put to work, especially among institutional and retail investors.

→ This should provide a tailwind to equities and risk assets heading into Christmas, provided policymakers do not revive their hawkish tone or economic data does not significantly deteriorate.

What is the outlook for China equities and the CNH after the recent policy measures?

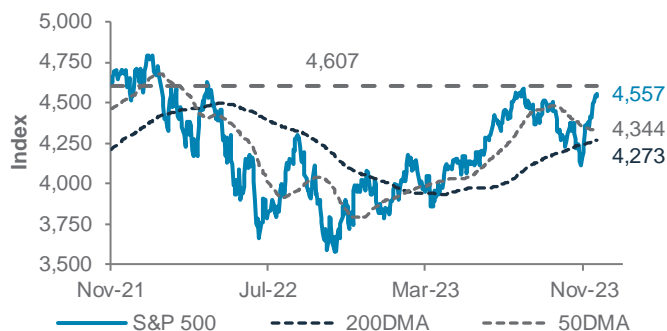
What is the implication for Developed Market investment grade bonds after the strong US government bond auctions?

What is the near-term outlook for gold and oil?

Charts of the week: Technical hurdles

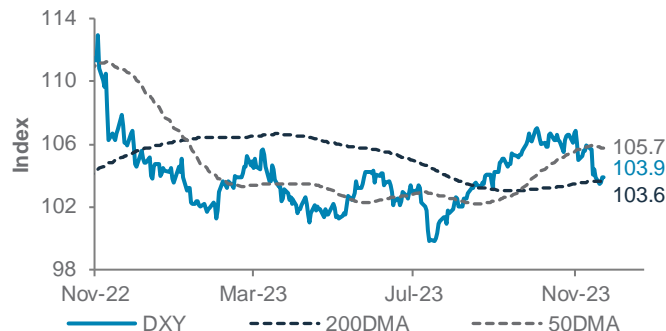
The S&P500 index faces strong technical resistance; a break lower in the USD likely needed to sustain the rally

The S&P500 index with key technical levels



Source: Bloomberg, Standard Chartered

The USD index (DXY) with key technical levels



Editorial

A Christmas rally next?

What will it take for the month-long equity market rebound to progress into a Christmas rally? For one, the rally needs to overcome a few key chart hurdles, notably a major technical resistance for the S&P500 index and critical support levels for US government bond yields and the USD. This raises the chances of a period of consolidation ahead. However, data does not show any significant one-sided investor positioning in any major market and there is plenty of cash waiting to be put to work, especially among institutional and retail investors. This should provide tailwind to equities and risk assets heading into Christmas, provided policymakers do not revive their hawkish tone or economic data does not significantly deteriorate.

Chart hurdles: The S&P500 index faces a major resistance at 4,607 from which it has retraced four times over the past two years. A sustained break higher will likely need a further decline in US government bond yields and, associated with that, a further weakness in the USD. However, the USD index (DXY) faces strong technical support around the 200DMA close to 103.5, while the US 10-year government bond yield faces key technical support around 4.35%. The technical hurdles raise the chance of near-term consolidation in markets.

Other technical indicators supportive: While US equities look overbought in the near term, momentum remains strong. Our "Fear & Greed" indicator has moved to "Greed" territory but not to extreme levels that would raise concerns about a pullback. Investor positioning does not appear stretched despite the sharp moves recently and is particularly supportive for China equities. Our investor diversity indicators (fractals) remain broad-based and, thus, not a bar against further equity gains. There is still plenty of firepower left to fuel the rally, especially among retail investors and mutual funds who appear to have barely participated in the month-long gains (which have been mainly driven by quantitative model-driven funds).

Risk rally needs lower US bond yields, USD: Despite supportive investor positioning indicators, the ongoing equity

rally will likely need stable-to-weaker government bond yields and the USD to sustain through the rest of the year. A further decline in the US 10-year government yield and the USD will, in turn, likely require at least one or more of the following conditions to play out:

- Modestly weak US data: US business confidence indicators (PMIs) are due tonight and 'Black Friday' sales, US consumer confidence data and the Fed's Beige Book economic survey next week. A modest weakness in data is likely to sustain the equity rally, while a significant deterioration would be negative.
- A distinctly dovish turn in Fed commentary will be risk-asset positive: watch Powell's speech on the theme of productivity next week for any comments on productivity boost from Artificial Intelligence, or any guidance on rate cuts.
- A significant improvement in European/China data would be USD negative and risk asset positive: Euro area PMIs showed business activity contracted less than expected in November. China PMIs and Euro area inflation data are due next week.

Investment implications:

Locking in gains: With chances of near-term consolidation high, investors can consider locking in some of the substantial gains in equities and bonds from the past month. Maintaining a broadly diversified allocation will allow investor to still participate in further rallies in equities and/or bonds if the conditions highlighted above fall into place.

Watching technicals: Any S&P500 break above 4,607 is likely to lead to a test of 4,637. A further break would open the path towards a test of last year's high of 4818. Europe's Stoxx600 index has broken above its 200DMA, but Asia ex-Japan and China markets have underperformed over the past month.

A break in the USD below the 200DMA support is likely to be positive for China and Asia-ex-Japan markets, especially as China policymakers consider more fiscal stimulus for next year and take steps to reduce property sector risks (see page 4).

— Rajat Bhattacharya

The weekly macro balance sheet

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

(+) factors: Dovish Fed minutes, supportive China policies

(-) factors: Deteriorating US Leading index, existing home sales

	Positive for risk assets	Negative for risk assets
Macro data	<ul style="list-style-type: none"> US initial jobless claims fell more than expected while continuing claims fell unexpectedly Euro area manufacturing and services PMI rose more than expected to 43.8 and 48.2, respectively Euro area consumer confidence improved more than expected to -16.9 UK manufacturing and services PMI rose more than expected 	<ul style="list-style-type: none"> US Leading index contracted more than expected by 0.8% m/m Uni. of Michigan 1-year inflation expectations revised higher to 4.5% US durable goods orders fell more than expected by -5.4% m/m US existing home sales fell more than expected (-4.1% m/m)
	Our assessment: Neutral – Lower US jobless claims, stabilising Euro area PMIs vs deteriorating US Leading index	
Policy developments	<ul style="list-style-type: none"> Fed minutes showed a unanimous agreement to “proceed carefully” on rate hikes; ECB minutes showed more cautious take on growth China drafted a list of developers eligible for financing support Germany suspended debt limits for the fourth straight year 	<ul style="list-style-type: none"> Fed officials said it was too early to focus on rate cuts ECB officials pushed back against rate cuts, while minutes from the last policy meeting showed members argued for leaving the door open for further hikes The PBoC kept its loan prime rates unchanged as expected
	Our assessment: Positive – Dovish Fed minutes, supportive China policies, suspension of German debt limits	
Other developments	<ul style="list-style-type: none"> Israel and Hamas agreed to a four-day ceasefire to exchange hostages US 20-year government bond auction was stronger than expected 	<ul style="list-style-type: none"> The OPEC+ disagreement on production led to a delay of its meeting
	Our assessment: Positive – Receding geopolitical risks	

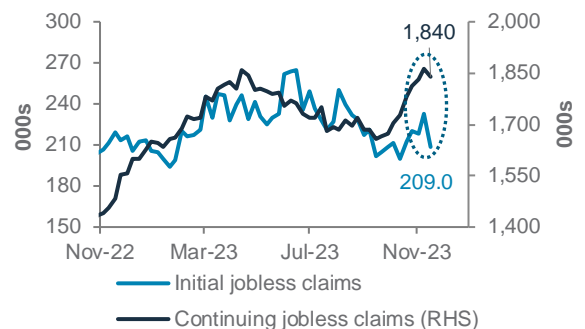
Continued contraction in the US leading economic indicator and a sustained decline in core capital goods orders point to a decelerating economy

US Leading index; non-defence capital goods orders (excluding aircraft)



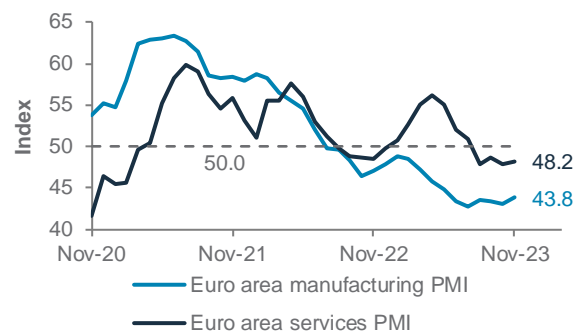
US jobless claims fell more than expected; the Christmas shopping and holiday season should keep the job market resilient till year-end

US initial and continuing jobless claims



Euro area business confidence (PMIs) contracted less than expected in November

Euro area manufacturing and services Purchasing Managers indices (PMIs)



Top client questions

Q What is the outlook for China equities and the CNH after the recent supportive policy measures?

Media reports suggest that China could target economic growth of 4.5-5.5% next year and roll out a package of new financing support for 50 property developers to backstop the industry. Such measures are in line with our expectations of policy support in China to stabilise economic growth. In addition, November 2023 has seen a weakening of the USD. China equities have historically outperformed global equities during periods of USD weakness. Along with low investor positioning and robust earnings growth expectations (15% for 2024), China equities could continue a slow recovery to the end of the year.

However, we believe investor sentiment remains fragile and is vulnerable to negative headlines. Geopolitical tensions remain a potential source of risk. Furthermore, a possible rebound in the USD could act as a headwind for China equities. We continue to have a neutral view on China equities over 6-12 months, where we see it performing in line with global equities. Our preference is to gain exposure to Chinese equities via sectors that would benefit from growth in consumer spending, ie, communication services and consumer discretionary.

The recent decline in USD/CNH appears to be overdone, in our assessment. We expect the pair to rebound towards 7.3000 in the short term. Our bullish short-term view on USD/CNH is driven by the following factors:

1. Broadly, we expect the USD index (DXY) to rebound modestly following the sharp decline over the past few weeks. The recent upside surprise in University of Michigan inflation expectations highlights the risk that inflation may decline slower than expected, leading markets to push back Fed rate cut expectations.
2. Fundamentals continue to point towards near-term CNH weakness. Market sentiment towards the economy remains fragile, and any monetary stimulus measures are likely to lead to further downward pressure on the CNH.
3. From a technical standpoint, USD/CNH looks extremely oversold on RSI indicators and has rebounded higher from the 200DMA line, which indicates an exhaustion of near-term downward momentum.

Technicals suggest 7.1160 is a near-term support while the pair is unlikely to run into any substantial resistance till 7.2650.

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

— **Abhilash Narayan**, Senior Investment Strategist

China equities have historically outperformed global equities during periods of US dollar weakness

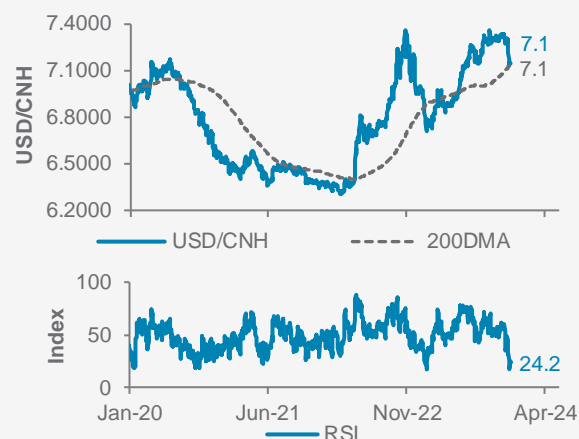
MSCI China relative to the MSCI All Country world index, and the US dollar (DXY) index



Source: Bloomberg, Standard Chartered

Technical indicators point to a high likelihood of a USD/CNH rebound

USD/CNH and 200-day moving average, 14-day RSI for USD/CNH



Source: Bloomberg, Standard Chartered

Top client questions (cont'd)

Q What is the implication for DM Investment Grade bonds following the recent strong US government bond auctions?

US government bond auction results have been brittle this year. Investor demand at the 30-year bond auction on 9 November dropped to a 12-month low. However, the rally in government bond yields thereafter lifted sentiment, and this week's 20-year bond auction witnessed strong demand.

Going forward, we continue to believe that expectations for inflation to edge lower and the Fed to cut rates in 2024 will remain key drivers for a sustained fall in bond yields. While long maturity bonds should benefit the most from this (we continue to like DM Investment Grade government bonds), we do not expect these gains to appear in a straight line:

1. The US Treasury Department's refinancing schedule in 2023 was skewed towards short-term Treasury Bills. This has left open the risk of a significantly higher supply of longer maturity bonds in 2024.
2. Quantitative tightening by the Fed remains on schedule, raising the risk of weaker demand as the Fed no longer acts as a key buyer.

— **Cedric Lam**, Senior Investment Strategist

Q What is your near-term outlook for gold and oil?

Gold staged a rebound in the last two weeks amid the decline in real (net-of-inflation) yields and the USD. However, we believe technical factors are not favourable for this move to extend. First, the tailwind from an unwinding of short positions is fading as net positioning has turned from negative to neutral. Second, the key psychological level of USD 2,000/oz remains a tough hurdle for the yellow metal to cross. Third, the Relative Strength Index is approaching overbought territory, suggesting limited scope for further upside. On balance, we expect the gold price to trade rangebound in the near term.

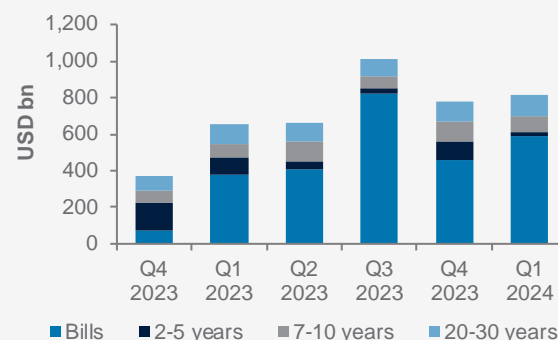
Crude oil prices remained sluggish as US demand continued to be weak, evident in rising inventories since the late-September low. Markets expect OPEC+ to extend or deepen output cuts in the upcoming meeting, which has now been delayed to 30 November amid reports of a disagreement on production levels.

Looking beyond the OPEC+ meeting, an unexpected increase in supply has eased the demand/supply balance in the last quarter of the year. We would keep a close watch on the upcoming US Energy Information Administration (EIA) inventory data. A turn in the uptrend of crude stockpiles could provide some relief to oil prices.

— **Zhong Liang Han**, CFA, Investment Strategist

US Treasury bills issuance surged significantly post the recent debt-ceiling deal, leaving room for higher supply of long-maturity bonds next year

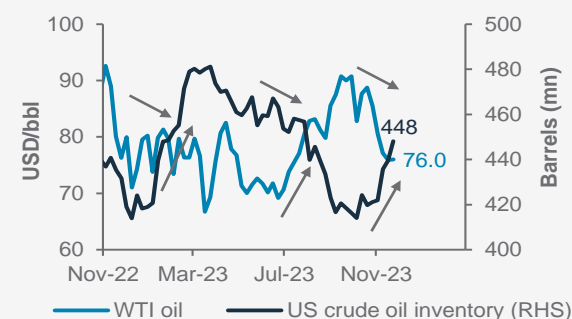
US government bond issuance history and plan



Source: US Department of Treasury, Standard Chartered

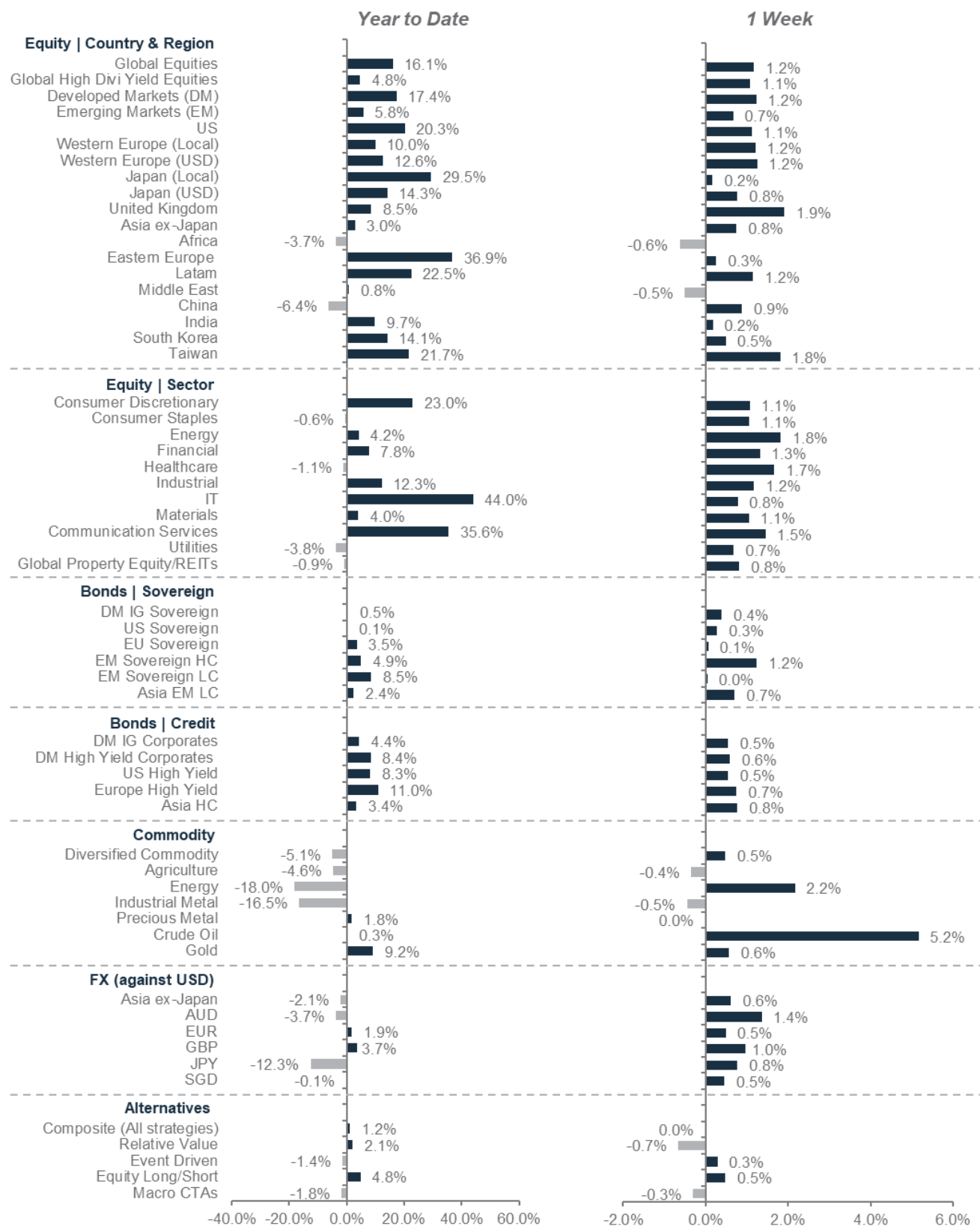
US crude oil inventory posted fifth straight weekly gains amid downbeat refinery demand, dragging WTI oil price lower

WTI crude oil vs. US crude oil inventory



Source: Bloomberg, Standard Chartered

Market performance summary *



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

*Performance in USD terms unless otherwise stated, 2023 YTD performance from 31 December 2022 to 23 November 2023; 1-week period: 16 November 2023 to 23 November 2023

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	▲
Preferred Sectors	
US Communication	▲
US Technology	▲
US Healthcare	▲
Europe Technology	▲
Europe Healthcare	▲
China Discretionary	▲
China Communication	▲
Alternatives	◆
Gold	◆

Source: Standard Chartered Global Investment Committee

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

The next resistance for the S&P500 index is at 4,571

Technical indicators for key markets as of 23 November close

Index	Spot	1st support	1st resistance	12m forward P/E (x)	12m forward dividend yield (%)
S&P 500	4,557	4,528	4,571	19.0	1.6
STOXX 50	4,361	4,342	4,371	12.0	4.0
FTSE 100	7,484	7,467	7,502	10.5	4.4
Topix	2,378	2,367	2,390	14.7	2.5
Shanghai Comp	3,062	3,048	3,072	10.1	3.6
Hang Seng	17,911	17,606	18,063	8.3	4.3
Nifty 50	19,802	19,727	19,845	18.8	1.7
MSCI Asia ex-Japan	624	618	627	12.2	2.8
MSCI EM	988	980	992	11.6	3.2
WTI (Spot)	76.8	75.9	77.6	na	na
Gold	1,992	1,981	2,001	na	na
UST 10Y Yield	4.40	4.39	4.43	na	na

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

Economic and market calendar

	Event Next week		Period Expected		Prior
MON	US	New Home Sales	Oct	723k	759k
TUE	US	Conf. Board Consumer Confidence	Nov	101	102.6
WED	EC	Economic Confidence	Nov	–	93.3
	US	GDP Annualized q/q	3Q S	5.0%	4.9%
THU	CH	Manufacturing PMI	Nov	–	49.5
	CH	Non-manufacturing PMI	Nov	–	50.6
	EC	CPI Core y/y	Nov P	–	4.2%
	EC	CPI Estimate y/y	Nov	–	2.9%
	EC	Unemployment Rate	Oct	–	6.5%
	US	Fed Beige Book		–	–
	US	PCE Core Deflator y/y	Oct	3.5%	3.7%
	US	PCE Deflator y/y	Oct	3.1%	3.4%
FRI/SAT	US	ISM Manufacturing	Nov	47.7	46.7
	CH	Caixin China PMI Mfg	Nov	–	49.5
	US	ISM New Orders	Nov	–	45.5
	US	Fed's Powell speaks in Fireside Chat		–	–

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

Investor diversity has increased across major markets

Our proprietary market diversity indicators as of 23 November

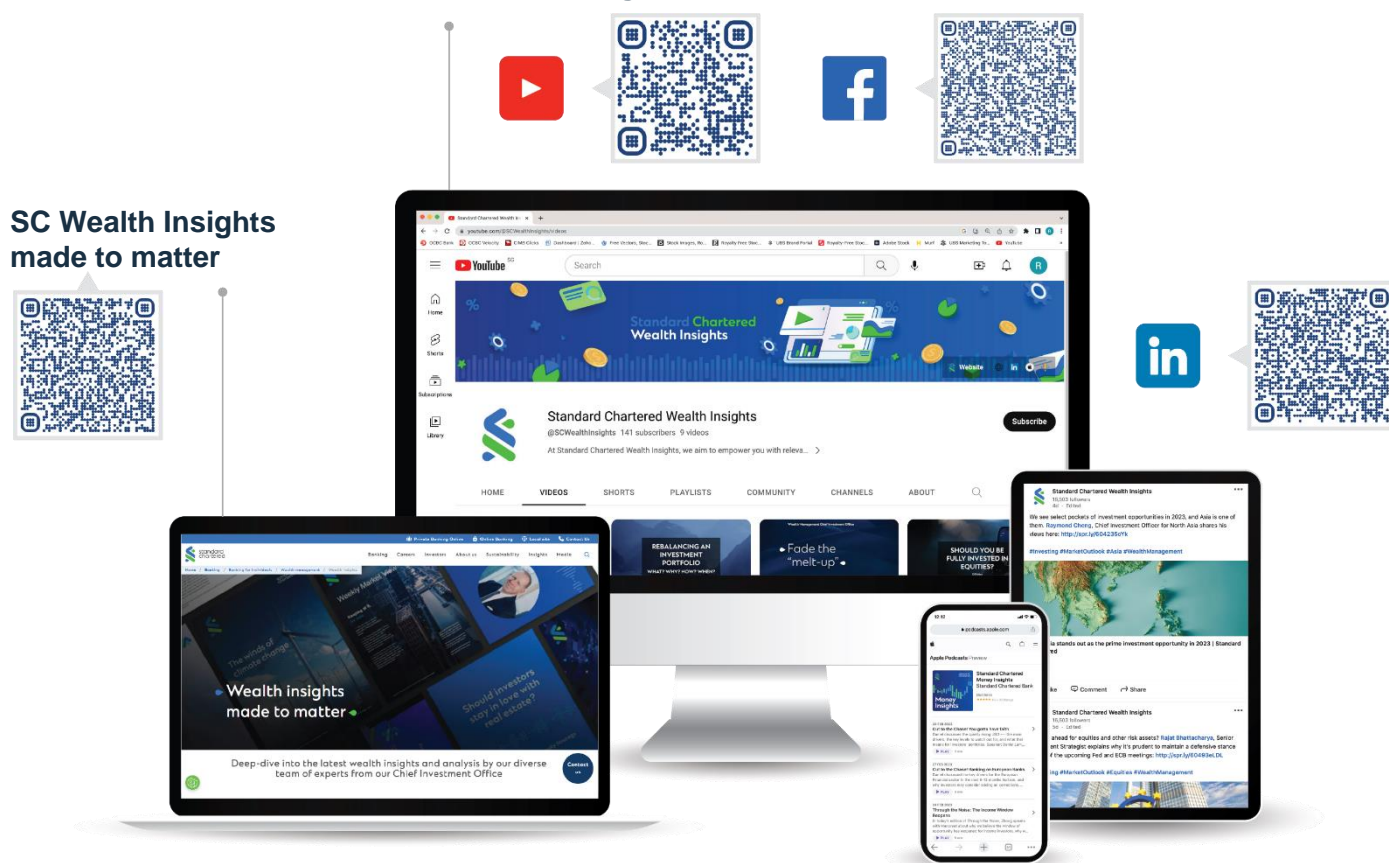
Level 1	Diversity	1-month trend	Fractal dimension
Global Bonds	●	↑	2.03
Global Equities	●	↑	1.67
Gold	●	↑	1.49
Equity			
MSCI US	●	↑	1.64
MSCI Europe	●	↑	1.91
MSCI AC AXJ	●	↑	1.83
Fixed Income			
DM Corp Bond	●	↑	1.76
DM High Yield	●	→	1.60
EM USD	●	↑	1.81
EM Local	●	↑	1.83
Asia USD	●	→	1.65
Currencies			
DXY	●	→	2.14

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

For more CIO Office insights

SC Wealth Insights



SC Money Insights

3 podcasts shows on Spotify, Apple, and Google platforms

Cut to the Chase!

Daily update on what happened overnight and what to look out for

For clients who are more sophisticated investors who are looking for shorter term trading opportunities or advice on timing portfolio additions

Through the Noise

Weekly update on financial markets, implications for our outlook and call to action actions

For clients who are less experienced investors trying to build/maintain a diversified allocation

Invests

Helping investors adopt healthy investment techniques

For clients who are less experienced investors or Investors with bad investment experiences



Speak to your Relationship Manager/Investment Advisor today for access to our security specific publications.

Important disclosures can be found in the Disclosures Appendix.

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 © 2023, 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. AJL614). 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 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 license 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: In the UK, Standard Chartered Bank is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and Prudential Regulation Authority. This communication has been approved by Standard Chartered Bank for the purposes of Section 21 (2) (b) of the United Kingdom's Financial Services and Markets Act 2000 ("FSMA") as amended in 2010 and 2012 only. 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.