BlackRock.

EMD: The Stars Seem Aligned

Outlook and Strategy

Entering 2024, the global macro environment appears decisively supportive for emerging markets fixed income (EMD), we believe. Last year, investors feared a global recession, stubborn inflation, and aggressive hiking cycles in the developed markets (DM). This year, the paradigm looks to have shifted almost 180 degrees. Our baseline is for a not-too-hot/not-too-cold global economy in which inflation converges toward target and global central bankers embark over time on an easing cycle.

EMD have proved fundamentally resilient and, as a result, have already rallied sharply, particularly in the last quarter last year. We expect that resilience to persist given that: 1. we believe EM economic growth could outperform DM this year despite we expect some slowdown versus last year, and 2. crucially, for the first time in two years, EM investors may likely have the Fed "on their side." Not only could lower DM rates be a tailwind for bonds, but it could also provide space for EM central bankers to ease monetary policy in support of the local cyclical picture.

We see thematically interesting alpha opportunities in 2024.

First, the scale of the EM easing cycle may likely generate investment opportunities in local markets. Second, the busy EM elections calendar could create idiosyncratic opportunities. Finally, we see scope for "repricing" stories in multiple sovereigns and corporates either from advanced debt workouts or from market-friendly policies.

Our preferred asset allocation currently focuses on 1) local markets (where history suggests easing cycles tend to extend for longer than initially expected) and 2) monetizing EM's historically high yields especially in names with strong idiosyncratic stories behind them.

Clearly, our positive view is not risk-less and there may likely be "bumps along the way." First, the current global slowdown may morph into a hard landing. Second, a "higher for longer" paradigm could keep core rates higher than expected and moderate anticipated easing. Third, tight EM valuations may encourage outflows from the asset class. Finally, geostrategic tensions can escalate. We don't underestimate any of those risks and we keep watching them carefully; however, we believe investors are currently being well paid to take those risks.



Amer Bisat

Managing Director, is Head of BlackRock's Emerging Markets Fixed Income



Pablo Goldberg

Managing Director, is Head of Emerging Markets Fixed Income Research and Portfolio Manager

Highlights

- We are bullish on EMD for 2024, as we see global macro tailwinds, solid fundamentals, attractive yields and strong momentum.
- The stars seem aligned: we believe the global economy is neither too hot, nor too cold; inflation is slowing; DM central banks have pivoted; and EM balances are in a good shape.
- Beyond the positive market backdrop, we identify themes that we believe could generate excess returns, including opportunities related to the slew of EM elections.
- Our asset allocation focuses on unhedged local bonds and seeks to capitalize on EM's historically high yields
- Risks are temporary selloffs spurred by technical pullbacks or geopolitical risks – and, more importantly, a potential shift in the growth outlook

BlackRock Emerging Markets Fixed Income

Investment professionals: 35

Average years of experience: 21 (Directors & MDs)
Assets under management USD 36 billion – as of December 2023

Source: BlackRock, JP Morgan EMBI, CEMBI, GBI-EM; Bloomberg; Goldman Sachs; IBOXX; MSCI, as of 6 January 2024. Any opinions and/or forecasts represent an assessment of the market environment at a specific time and is not intended to be a forecast of future events or a guarantee of future results and should not be deemed a recommendation or advice to take any particular investment action. There is no guarantee that any forecasts made will come to pass.

A Goldilockish environment

The global economy appears to have already soft landed. We see a healthy downshift in global growth, toward a not-too-hot/not-too-cold environment enough to preclude overheating/inflationary fears but not so fast as to reawaken recessionary worries.

We expect global inflation to trend lower and end the year close to DM central bank targets. Post-pandemic red-hot demand seems to be cooling, labor market and supply bottlenecks have eased and fears of a spike in energy prices seem to have receded despite supply cuts by OPEC. While inflation may take time to fully converge to targets, we believe inflationary risks have subsided.

This backdrop has opened a window for DM central banks to signal an easing cycle. We believe there has been enough progress on the fight against inflation for central banks to feel comfortable that real rates are restrictive enough and to consider the possibility of 'maintenance cuts' (reducing rates to keep up with disinflation), as reflected in the US Federal Reserve 'dots'. The market is pricing in an even more aggressive easing cycle which could lead to some volatility, as data might, at times, validate (or not) market expectations. However, the direction of travel in favor of easing seems clearer now.

We view a scenario in which DM central bankers ease with no recession in sight as quite "goldilockish." First, it may validate the easing of financial conditions that we've already seen in the second half of 2023. Second, it could give investors confidence that DM central bankers are no longer a threat to the cycle and can, to a degree, support growth if needed. We believe EM is a huge beneficiary of this favorable macro environment. As detailed in Exhibit 1, EM countries are likely to benefit from healthy DM and Chinese growth and from the easing of monetary policy, which serves as a tailwind.

Exhibit 1. 2024 initial conditions are EMD supportive

	2023 start	vs actual	2024 start
DM	Recession	Strong US	Soft-landing
growth	fears	Weak EU	
China	Reopening	Growth	Trend-like growth
growth	hopes	volatility	
Inflation	Fears of stickiness	Disinflation	Converging to target
Central	DM hiking	DM hiking++	DM &
banks		EM easing	EM easing
Geopolitics	Frozen conflict	Israel-Gaza	Cease-fires?

Source: BlackRock EMD Team, as of 6 January 2024

EM's Fundamental Resilience

Emerging economies proved quite resilient to the material negative shocks of the past two years. Despite 525 bps of Fed tightening, a US banking crisis, volatile and weak Chinese and European growth profiles, and a worsening geopolitical backdrop EM ex-China (EMX) still grew at a trend-like real pace of 3.1% in '23 (Exhibit 2).

Our view is that EM's resilience is likely to be sustained in 2024. First, the growth in the big economic blocks to which EM exports (including from China) could still be a tail wind. Second, EM's disinflation should help demand. Third, the Fed pivot could open the door for a more aggressive easing by EM central banks to support their own economic cycle. While we see a slight slowdown, EMX growth is forecasted at a still healthy 2.9% in 2024, Equally important, we believe EM growth may outperform DM's growth by 180 bps in real terms (see Exhibit 2).

Moreover, EM macro balances are broadly sustainable. Public finances is an issue for many EM countries. However, a combination of higher nominal GDP and lower borrowing costs may well contain the deterioration. On the external side, we see improvements in countries that have, in recent years, experienced worsening current account deficits (e.g., Chile, Colombia, and Poland). External funding needs in 2024 seem manageable and largely covered by a combination of foreign direct investment and other portfolio flows, resulting in a net external funding need of around \$200 billion USD, according to JPMorgan calculation (as of 11/15/23).

The credit rating/default cycle also appears to be turning more positive. Notably, after a flurry of EM defaults since COVID, we think we could finally see some successful debt workouts (eg. Ukraine, Sri Lanka, Zambia, Ghana), and the first year since a few of net sovereign credit upgrades. We are also cautiously optimistic on some large EMs where macro/ policy developments have been more positive (See next section).

Exhibit 2. Resilient EM ex-China growth in 2024 (%)

Region	2023 by Dec'22	2023 by Dec'23	2024 Est
Global	1.8	2.7	2.2
DM	0.9	1.6	1.1
US	1.1	2.5	1.6
China	4.3	5.2	4.9
EM-x China	1.9	3.1	2.9
EM-x China - DM	1.0	1.5	1.8

Table shows GDP growth forecasts for 2023 and 2024 at different time periods. Forward-looking estimates may not come to pass.

Source: BlackRock and JPMorgan Research, as of 6 January 2024

FOR PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS USE ONLY – NOT FOR PUBLIC DISTRIBUTION

Engines of EM alpha in 2024

In addition to the supportive macro backdrop, we also believe there are important thematic alpha drivers for EM this year. We identify three such drivers:

- 1. An extended EM monetary easing cycle: EM central bankers hiked earlier and, in some cases, more aggressively than their DM counterparts. We think there is space for more aggressive removal of restrictiveness. The Czech, Polish, Hungarian, Chinese, Brazilian, Chilean, Peruvian and Colombian central bankers are already easing. Among the major EM economies where inflation became a big problem, only Mexico and South Africa have yet to cut. Now that we see the Fed could be easing in 2024, even those EM central bankers may likely to cut rates too. Admittedly, the markets have already priced in a significant amount of EM rate cuts, however, we believe the cycle could be longer and sharper than priced. In a prior commentary ("EMD: Resilient macro widens EM runway", from September 2023), we showed a pattern of markets under-estimating the extent of the cycle. We think the same is occurring in this cycle too.
- **2. A busy election calendar:** countries representing around 50% of EM (ex-China) GDP and more than 60% of its population will go to the polls this year. We expect ample idiosyncratic market opportunities because of policies that may be implemented before or after elections, or surprising elections results. We highlight:
- Taiwan (January presidential and legislative): all three remaining candidates have expressed a similar position of maintaining peaceful and stable cross-strait relations, thus we believe domestic issues are likely to play a more significant role than in previous elections. ¹
- Indonesia (February presidential): we feel confident elections will not disrupt the good policies implemented under President Joko Widodo. Presidential candidate Prabowo Subianto leads in opinion polls ahead of the election, yet a runoff cannot be ruled out.²
- India (May and June): Prime Minister Narendra Modi seems likely to retain the position for a third term, which would be key to sustaining the current strong growth process and investors' confidence. ²
- South Africa (May and August): we are looking to see whether the next administration is able and willing to strengthen fiscal consolidation and implement policies to bolster economic growth. Polls point to a tighter contest than in previous years, suggesting the African National Congress (ANC) face their biggest electoral challenge in the 30 years they have governed the country.³

- Mexico (June President and Congress): with no reelection possible for President Andres Manuel Lopez Obrador, his Morena-led coalition candidate Claudia Sheinbaum leads the polls with 60% support. Focal point for us is whether she will maintain the stringent fiscal policy of the president of Mexico AMLO, how would she eventually deal with a slower impulse from the US, and the future of PEMEX.
- Turkey (March municipality elections): President Erdogan's orthodox shift that helped repair some of the investors' confidence lost over the last years could come into question if he perceives this to be damaging his chance of recovering most of the major cities for his party, which have moved into opposition's hands.
- El Salvador, Senegal, Pakistan and the Dominican Republic. In Senegal and the DR, re-election of the ruling party is market's expectation and preferred outcome. In El Salvador seems that Bukele will be re-elected ⁵, and we will be watching for any shift in fiscal priorities and progress toward an IMF program. Pakistan's election, if it takes place, will likely result in Nawaz Sharif becoming PM which should pave the way for an IMF EFF program.
- **3. Coming back from the cold.** By coincidence or otherwise, the past five years or so have seen a number of important EMs becoming increasingly "un-investable." We believe this trend may be reversing.
- Argentina: Libertarian President Milei announced a set of policies to drastically adjust the fiscal, a large devaluation of the FX, and an extensive agenda of economic deregulation. This is likely to result in a period of even higher inflation and recession until the macro variables fall into place. While the right course of action, success requires people's patience to bear the bitter pill. The market reacted positively to the initial good news, and further upside would require a move forward with the agenda, like a renewal of the failed IMF agreement.
- Nigeria: President Tinubu initially surprised market with reforms in 2023, removing fuel subsidies and devaluing the Naira. The President's appointment of technocratic CB Governor & MinFin is creating a window of optimism.
- Egypt: the country over-borrowed in USDs and over-invested in negative NPV projects failing to generate enough USDs to repay. We believe the IMF could top up its program and shore up confidence given the country's renewed geopolitical importance.
- Turkey: we are marginally positive that Economy Minister Simsek's return could be a structural break from years of monetary policy / FX mismanagement if he retains the support from President Erdogan despite some of economic slowdown the new policies could bring.

FOR PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS USE ONLY - NOT FOR PUBLIC DISTRIBUTION

Intra EM asset allocations for 2024

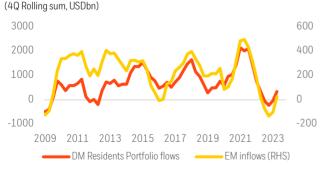
We reiterate our strong conviction on EM local rates.

We have been positive on local EM markets since inflation peaked in the third quarter of 2022 (see "EMD: A Fed pause may bode well for EM debt", May 2023). Real rates in EM are high and the Fed's pivot opens the door for aggressive EM easing. We believe EM rates could potentially be a good diversifier for global fixed income at a time when outflows seen over the last quarter suggest the market may be under owned. A key question, of course, is whether to FX hedge those bonds? Our view is that the answer is no: hedging is extremely expensive and more than erodes EM local's potential attractive carry. Admittedly, EMFX is highly correlated to the USD; however, our view is that the USD may not be a tailwind to EMFX but is unlikely to be a headwind either.

We also like EM hard currency debt. Within that we favor income and selective repricing stories. While EM's spreads screen historically tight, we believe EM's all-in yield as quite attractive. On average, we think money in 2024 will be made "clipping coupons" rather than playing for aggressive spread moves. Moreover, there are ample idiosyncratic stories that could reprice higher. We also like EM corporates as an asset class and believe it screens cheap to its DM counterparties and should benefit from a strong growth tailwind. While EM corporates' fundamental strength appears to have peaked, they are still strong.

Key to the performance of EMD is whether flows return to the asset class. We believe the combination of healthy growth, widening EMX-DM growth differentials, monetary policy easing; attractive yields, all support the idea of a return of flows to the asset class. Exhibit 4 shows that that DM residential portfolio outflows tends to show quite a cyclical and to correlate well with inflows to EM. Note how 2023 lows appear to be turning: good news for EM.

Exhibit 4. Good chances for inflows to EMD in 2024



Note: DM residents portfolio flows corresponds to foreign portfolio purshcases by US, EU, Japan and UK residents. EM corresponds to the sum of portfolio inflows in the balance of payments. Source: BlackRock on JPMorgan data, as of 6 January 2024

Illustrative 2024 return scenarios

Exhibit 5 shows potential 12-months forward EMD returns under different scenarios. In no way are these intended to be forecasts. They are just arithmetic calculations that imbed no subjective probabilities. In this sense, there are no guarantees that any of these scenarios may come to pass (methodology of calculation is included in the footnote of the Exhibit 5).

We examine three different macro scenarios. First, a soft-landing/goldilocks scenario that assumes a not too hot-not too cold global economy, with more balanced distribution between US/EU/China than in 2023, inflation converging toward the target, and DM central bankers implementing "maintenance" cuts in line with falling inflation (green box). Second, a hard landing scenario, which sees the global economy decelerating sharply to below trend, likely led by the US, and DM central bankers implementing reactively large rate cuts (purple box). Finally, we also look at a re-inflation scenario that assumes a "too strong" global economy that leads DM central bankers to walk back the priced-in rate cuts (red box).

Three observations emerge from that analysis:

- EM's high all-in yields provide (via carry) a decent protection and protects EM from even the bad scenarios.
- EM does not seem to require a rally in core rates, or a broad dollar weakness, to deliver decent returns that beat cash.
- The soft-landing scenario in EMD could conceivably lead to a repeat of 2023's strong returns.

Exhibit 5 – 12-months total return hypothetical scenarios

USD Sovs	Spread change (bps)								
12 months		+124	+93	+62	+31	Last: 403	-31	-62	-93
	+90	-5.1	-3.8	-2.5	-1.1	0.5	2.2	3.9	5.8
	+50	-3.3	-1.9	-0.4	1.2	2.8	4.6	6.5	8.5
HCT40 .dald	+25	-2.1	-0.6	1.0	2.6	4.4	6.3	8.3	10.4
UST10 yield change (bps)	Last:3.98	-0.8	0.8	2.4	4.2	6.0	8.0	10.1	12.2
	-25	0.6	2.2	3.9	5.8	7.7	9.8	11.9	14.2
	-50	2.0	3.7	5.5	7.5	9.5	11.6	13.9	16.2
	-90	4.4	6.3	8.2	10.3	12.4	14.7	17.1	19.6
Local Mkts	Yield change (bps)								

Local Mkts		Yield change (bps)							
12 months		+76	+57	+38	+19	Last: 6.28	-19	-38	-57
	-7.5	-5.3	-4.4	-3.5	-2.6	-1.7	-0.8	0.0	0.9
EM FX Change	-5.0	-2.8	-1.8	-0.9	0.1	1.0	1.9	2.7	3.6
(%)	-2.5	-0.2	0.8	1.7	2.7	3.6	4.5	5.4	6.3
	0.0	2.3	3.4	4.3	5.3	6.3	7.2	8.1	9.1
	2.5	4.9	5.9	7.0	8.0	8.9	9.9	10.8	11.8
	5.0	7.5	8.5	9.6	10.6	11.6	12.6	13.6	14.5
	7.5	10.0	11.1	12.2	13.2	14.3	15.3	16.3	17.2

Methodology: returns are calculated using the formulas below USD SOVS: 31bps is the one-year standard deviation spread change Total return = current yield + duration *(Δ EMD spreads + Δ UST 10yr)

FOR PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS USE ONLY - NOT FOR PUBLIC DISTRIBUTION

LOCAL MKTS: 19bps is one-year standard deviation GBI-EM yield change Total return = current vield + duration *△ LBYield +△ EM FX vs USD Source. BlackRock on JPMorgan EMBI Global Diversified and GBI-EM indices, as of 6 January 2024. The hypothetical outcomes are provided for illustrative purposes only and demonstrated index and are not meant to be representative of actual performance returns of, or to project or predict outcomes for, any particular investment and does not exist and therefore does not reflect the deduction of any fees or expenses, including advisory, management and performance fees, as well as brokerage fees, commissions and other expenses that might normally apply. In addition, decisions reflected in the hypothetical were not made under actual market conditions and cannot completely account for the impact of financial risk. This is hypothetical and does not represent the investment performance or actual accounts. Hypothetical results are not indicative of future results. There are frequently sharp differences between a hypothetical and the actual record subsequently achieved. Therefore, hypothetical records invariably show positive outcomes. Another inherent limitation of these results is that the decisions reflected in the record were not made under actual market conditions and, therefore, cannot completely account for the impact of financial risk in actual portfolio management. Indices are unmanaged and one cannot invest directly in an Index.

Downside risks to our favorable EM view

Our favorable view on EMD for 2024 is, of course, not without risk. The experience of the past few years clearly illustrates the value of humility and flexibility. Moreover, investing in EM is never linear and there are often "air pockets" that can be quite material if not heeded. We highlight three risks that we're closely watching.

- Valuations & technicals: after a relentless rally in 2023, in which valuation support has eroded, chances of periodic market reversals and drawdowns are never low. This would be more the case if our expectations that inflows will come back to the asset class disappoint.
- Macro: There is always the risk of the "healthy" slowdown the global economy is now experiencing morphing into a hard landing. EM assets tend to underperform in recessions.
- Geopolitics: Finally, lest one forget, there are two important regional wars currently taking place in EM countries. Escalation of geopolitical tensions (there or elsewhere) is always a risk.

Any opinions, forecasts represent an assessment of the market environment at a specific time and is not intended to be a forecast of future events or a guarantee of future results. This information should not be relied upon by the reader as research, investment advice or a recommendation.

Notes

1/ https://www.brookings.edu/articles/what-are-the-key-issues-in-taiwans-2024-presidential-election/

2/ HSBC Research, "A guide to 2024 elections", 4 December 2023

3/ Ipsos October 2023

4/ https://oraculus.mx/presidente2024/

5/IUDOP-UCA 11-29 November shows President Bukelele with 62% support

For Italy: This document is marketing material: For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in Italian.

Any data collected will be processed according to <u>BlackRock's privacy policy</u>. If you do not wish to receive similar communication or event invites from BlackRock in the future, please contact your Relationship Manager

This email utilises tracking technologies, which record and provide back to BlackRock certain information about the way in which you interact with this email. These technologies will monitor when the email is opened and read. BlackRock will monitor your use of the BlackRock website should you click through to the website from this email. By clicking through to the BlackRock website using the links in this email, you will give your consent to the use of these tracking technologies as described here. Further information about the way in which BlackRock uses cookies and other related tools can be found in BlackRock's privacy policy, available on its website.

This material is intended for information purposes only, and does not constitute investment advice, a recommendation or an offer or solicitation to purchase or sell any securities to any person in any jurisdiction in which an offer, solicitation, purchase or sale would be unlawful under the securities laws of such jurisdiction. Reliance upon information in this material is at the sole discretion of the reader. Investing involves risks.

Risk Warnings

Capital at risk. The value of investments and the income from them can fall as well as rise and are not guaranteed. Investors may not get back the amount originally invested.

Any opinions, forecasts represent an assessment of the market environment at a specific time and is not intended to be a forecast of future events or a guarantee of future results. This information should not be relied upon by the reader as research, investment advice or a recommendation.

Past Performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy.

Changes in the rates of exchange between currencies may cause the value of investments to diminish or increase. Fluctuation may be particularly marked in the case of a higher volatility fund and the value of an investment may fall suddenly and substantially. Levels and basis of taxation may change from time to time.

Tax treatment depends on the individual circumstances of each client and may be subject to change in the future.

Equities may decline in value due to both real and perceived general market, economic, and industry conditions. Investments in value securities involve the risk that the market's value assessment may differ from the manager and the performance of the securities may decline. Investing in securities of smaller companies tends to be more volatile and less liquid than securities of larger companies. Investing in distressed companies (both debt and equity) is speculative and may be subject to greater levels of credit, issuer and liquidity risks, and the repayment of default obligations contains significant uncertainties; such companies may be engaged in restructurings or bankruptcy proceedings. Investing in foreign denominated and/or domiciled securities may involve heightened risk due to currency fluctuations, and economic and political risks, which may be enhanced in emerging

markets. Investments in companies engaged in mergers, reorganizations or liquidations may involve special risks as pending deals may not be completed on time or on favorable terms. High-yield, lower-rated, securities involve greater risk than higher-rated securities; portfolios that invest in them may be subject to greater levels of credit and liquidity risk than portfolios that do not. Derivatives may involve certain costs and risks such as liquidity, interest rate, market, credit, management, and the risk that a position could not be closed when most advantageous. Investing in derivatives could lose more than the amount invested. Diversification does not ensure against loss.

Forward-Looking Information

This material may contain "forward-looking" information that is not purely historical in nature. Such information may include, among other things, projections, forecasts, estimates of yields or returns, and proposed or expected portfolio composition. Moreover, where certain historical performance information of other investment vehicles or composite accounts managed by BlackRock, Inc. and/or its subsidiaries (together, "BlackRock") has been included in this material and such performance information is presented by way of example only. No representation is made that the performance presented will be achieved, or that every assumption made in achieving, calculating, or presenting either the forward-looking information or the historical performance information herein has been considered or stated in preparing this material. Any changes to assumptions that may have been made in preparing this material could have a material impact on the investment returns that are presented herein by way of example.

This material is not intended to be relied upon as a forecast, research, or investment advice, and is not a recommendation, offer or solicitation to buy or sell any securities or to adopt any investment strategy. The opinions expressed may change as subsequent conditions vary. The information and opinions contained in this material are derived from proprietary and nonproprietary sources deemed by BlackRock to be reliable, are not necessarily all inclusive and are not guaranteed as to accuracy. There is no guarantee that any forecasts made will come to pass.

Important Information

This material is for distribution to Professional Clients (as defined by the Financial Conduct Authority or MiFID Rules) only and should not be relied upon by any other persons.

In the US this material is for institutional investors only. Not for Public Distribution

In the UK and Non-European Economic Area (EEA) countries: this is Issued by BlackRock Investment Management (UK) Limited, authorised and regulated by the Financial Conduct Authority. Registered office: 12 Throgmorton Avenue, London, EC2N 2DL. Tel: + 44 (0)20 7743 3000. Registered in England and Wales No. 02020394. For your protection telephone calls are usually recorded. Please refer to the Financial Conduct Authority website for a list of authorised activities conducted by BlackRock.

In the European Economic Area (EEA): this is Issued by BlackRock (Netherlands) B.V. is authorised and regulated by the Netherlands Authority for the Financial Markets. Registered office Amstelplein 1, 1096 HA, Amsterdam, Tel: 020 – 549 5200, Tel: 31-20-549-5200. Trade Register No. 17068311 For your protection telephone calls are usually recorded.

For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in Italian.

Switzerland: For Qualified Investors only. This document is marketing material. This document shall be exclusively made available to, and directed at, qualified investors as defined in Article 10 (3) of the CISA of 23 June 2006, as amended, at the exclusion of qualified investors with an opting-out pursuant to Art. 5 (1) of the Swiss Federal Act on Financial Services ("FinSA").

For information on art. 8 / 9 Financial Services Act (FinSA) and on your client segmentation under art. 4 FinSA, please see the following website: www.blackrock.com/finsa.

South Africa: Please be advised that BlackRock Investment Management (UK) Limited is an authorised Financial Services provider with the South African Financial Services Conduct Authority, FSP No. 43288.

DIFC: The information contained in this document is intended strictly for Professional Clients as defined under the Dubai Financial Services Authority ("DFSA") Conduct of Business (COB) Rules.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

BlackRock Advisors (UK) Limited -Dubai Branch is a DIFC Foreign Recognised Company registered with the DIFC Registrar of Companies (DIFC Registered Number 546), with its office at Unit L15 - 01A, ICD Brookfield Place, Dubai International Financial Centre, PO Box 506661, Dubai, UAE, and is regulated by the DFSA to engage in the regulated activities of 'Advising on Financial Products' and 'Arranging Deals in Investments' in or from the DIFC, both of which are limited to units in a collective investment fund (DFSA Reference Number F000738).

Saudi Arabia: The information contained in this document is intended strictly for sophisticated institutions.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

UAE: The information contained in this document is intended strictly for non-natural Qualified Investors as defined in the UAE Securities and Commodities Authority's Board Decision No. 3/R.M of 2017 concerning Promoting and Introducing Regulations.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

Qatar: The information contained in this document is intended strictly for sophisticated institutions.

The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser

Israel: BlackRock Investment Management (UK) Limited is not licenced under Israel's Regulation of Investment Advice, Investment Marketing and Portfolio Management Law, 5755-1995 (the "Advice Law"), nor does it carry insurance thereunder.

Bahrain: The information contained in this document is intended strictly for sophisticated institutions.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

Kuwait: The information contained in this document is intended strictly for sophisticated institutions that are 'Professional Clients' as defined under the Kuwait Capital Markets Law and its Executive Bylaws.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

In **Hong Kong**, this material is issued by BlackRock Asset Management North Asia Limited and has not been reviewed by the Securities and Futures Commission of Hong Kong. This material is for distribution to "Professional Investors" (as defined in the Securities and Futures Ordinance (Cap.571 of the laws of Hong Kong) and any rules made under that ordinance.) and should not be relied upon by any other persons or redistributed to retail clients in Hong Kong.

In **Singapore**, this is issued by BlackRock (Singapore) Limited (Co. registration no. 200010143N) for use only with institutional investors as defined in Section 4A of the Securities and Futures Act, Chapter 289 of Singapore. This advertisement or publication has not been reviewed by the Monetary Authority of Singapore.

In **South Korea**, this information is issued by BlackRock Investment (Korea) Limited. This material is for distribution to the Qualified Professional Investors (as defined in the Financial Investment Services and Capital Market Act and its sub-regulations) and for information or educational purposes only and does not constitute investment advice or an offer or solicitation to purchase or sells in any securities or any investment strategies.

In **Taiwan**, independently operated by BlackRock Investment Management (Taiwan) Limited. Address: 28F., No. 100, Songren Rd., Xinyi Dist., Taipei City 110, Taiwan. Tel: (02)23261600.

Issued by BlackRock Investment Management (Australia) Limited ABN 13 006 165 975, AFSL 230 523 (BIMAL) for the exclusive use of the recipient, who warrants by receipt of this material that they are a wholesale client as defined under the Australian Corporations Act 2001 (Cth) and the New Zealand Financial Advisers Act 2008 respectively.

This material provides general information only and does not take into account your individual objectives, financial situation, needs or circumstances. Before making any investment decision, you should therefore assess whether the material is appropriate for you and obtain financial advice tailored to you having regard to your individual objectives, financial situation, needs and circumstances. Refer to BIMAL's Financial Services Guide on its website for more information. This material is not a financial product recommendation or an offer or solicitation with respect to the purchase or sale of any financial product in any jurisdiction. This material is not intended for distribution to, or use by, any person or entity in any jurisdiction or country where such distribution or use would be contrary to local law or regulation. BIMAL is a part of the global BlackRock Group which comprises of financial product issuers and investment managers around the world. BIMAL is the issuer of financial products and acts as an investment manager in Australia. BIMAL does not offer financial products to persons in New Zealand who are retail investors (as that term is defined in the Financial Markets Conduct Act 2013 (FMCA)). This material does not constitute or relate to such an offer. To the extent that this material does constitute or relate to such an offer of financial products, the offer is only made to, and capable of acceptance by, persons in New Zealand who are wholesale investors (as that term is defined in the FMCA).

BIMAL, its officers, employees, and agents believe that the information in this material and the sources on which it is based (which may be sourced from third parties) are correct as at the date of publication. While every care has been taken in the preparation of this material, no warranty of accuracy or reliability is given and no responsibility for the information is accepted by BIMAL, its officers, employees, or agents. Except where contrary to law, BIMAL excludes all liability for this information.

In **China**, this material may not be distributed to individuals resident in the People's Republic of China ("PRC", for such purposes, not applicable to Hong Kong, Macau and Taiwan) or entities registered in the PRC unless such parties have received all the required PRC government approvals to participate in any investment or receive any investment advisory or investment management services.

For Other Countries in APAC: This material is provided for your informational purposes only and must not be distributed to any other persons or redistributed. This material is issued for Institutional Investors only (or professional/sophisticated/qualified investors as such term may apply in local jurisdictions) and does not constitute investment advice or an offer or solicitation to purchase or sell in any securities, BlackRock funds or any investment strategy nor shall any securities be offered or sold to any person in any jurisdiction in which an offer, solicitation, purchase or sale would be unlawful under the securities laws of such jurisdiction.

For Southeast Asia: This document is issued by BlackRock and is intended for the exclusive use of any recipient who warrants, by receipt of this material, that such recipient is an institutional investors or professional/sophisticated/qualified/accredited/expert investor as such term may apply under the relevant legislations in Southeast Asia (for such purposes, includes only Malaysia, the Philippines, Thailand, Brunei, and Indonesia). BlackRock does not hold any regulatory licenses or registrations in Southeast Asia countries listed above and is therefore not licensed to conduct any regulated business activity under the relevant laws and regulations as they apply to any entity intending to carry on business in Southeast Asia, nor does BlackRock purport to carry on, any regulated activity in any country in Southeast Asia. BlackRock funds, and/or services shall not be offered or sold to any person in any jurisdiction in which such an offer, solicitation, purchase, or sale would be deemed unlawful under the securities laws or any other relevant laws of such jurisdiction(s).

This material is provided to the recipient on a strictly confidential basis and is intended for informational or educational purposes only. Nothing in this document, directly or indirectly, represents to you that BlackRock will provide, or is providing BlackRock products or services to the recipient, or is making available, inviting, or offering for subscription or purchase, or invitation to subscribe for or purchase, or sale, of any BlackRock fund, or interests therein. This material neither constitutes an offer to enter into an investment agreement with the recipient of this document, nor is it an invitation to respond to it by making an offer to enter into an investment agreement. The distribution of the information contained herein may be restricted by law and any person who accesses it is required to comply with any such restrictions. By reading this information you confirm that you are aware of the laws in your own jurisdiction regarding the provision and sale of funds and related financial services or products, and you warrant and represent that you will not pass on or utilize the information contained herein in a manner that could constitute a breach of such laws by BlackRock, its affiliates, or any other person.

In Latin America, for institutional investors and financial intermediaries only (not for public distribution). This material is for educational purposes only and does not constitute investment advice or an offer or solicitation to sell or a solicitation of an offer to buy any shares of any fund or security and it is your responsibility to inform yourself of, and to observe, all applicable laws and regulations of your relevant jurisdiction. If any funds are mentioned or inferred in this material, such funds may not be registered with the securities regulators of Argentina, Brazil, Chile, Colombia, Mexico, Panama, Peru, Uruguay, or any other securities regulator in any Latin American country and thus, may not be publicly offered in any such countries. The securities regulators of any country within Latin America have not confirmed the accuracy of any information contained herein. No information discussed herein can be provided to the general public in Latin America. The contents of this material are strictly confidential and must not be passed to any third party.

In Argentina, only for use with Qualified Investors under the definition as set by the Comisión Nacional de Valores (CNV).

In **Brazil**, this private offer does not constitute a public offer, and is not registered with the Brazilian Securities and Exchange Commission, for use only with professional investors as such term is defined by the Comissão de Valores Mobiliários.

In **Colombia**, the sale of each fund discussed herein, if any, is addressed to less than one hundred specifically identified investors, and such fund may not be promoted or marketed in Colombia or to Colombian residents unless such promotion and marketing is made in compliance with Decree 2555 of 2010 and other applicable rules and regulations related to the promotion of foreign financial and/or securities related products or services in Colombia. With the receipt of these materials, and unless the Client contacts BlackRock with additional requests for information, the Client agrees to have been provided the information for due advisory required by the marketing and promotion regulatory regime applicable in Colombia.

In **Chile**, the sale of each fund not registered with the CMF began on the date as indicated for such fund as described herein and the sale of such securities is subject to General Rule No. 336 issued by the SVS (now the CMF). The subject matter of this sale may include securities not registered with the CMF; therefore, such securities are not subject to the supervision of the CMF. Since the securities are not registered in Chile, there is no obligation of the issuer to make publicly available information about the securities in Chile. The securities shall not be subject to public offering in Chile unless registered with the relevant registry of the CMF.

In **Peru**, this material is for the sole use of Institutional Investors, as such term is defined by the Superintendencia de Banca, Seguros y AFP. In Peru, this private offer does not constitute a public offer, and is not registered with the Securities Market Public Registry of the Peruvian Securities Market Commission, for use only with institutional investors as such term is defined by the Superintendencia de Banca, Seguros y AFP.

IN **MEXICO**, FOR INSTITUTIONAL AND QUALIFIED INVESTORS USE ONLY. INVESTING INVOLVES RISK, INCLUDING POSSIBLE LOSS OF PRINCIPAL. THIS MATERIAL IS PROVIDED FOR EDUCATIONAL AND INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE AN OFFER OR SOLICITATION TO SELL OR A SOLICITATION OF AN OFFER TO BUY ANY SHARES OF ANY FUND OR SECURITY.

This information does not consider the investment objectives, risk tolerance or the financial circumstances of any specific investor. This information does not replace the obligation of financial advisor to apply his/her best judgment in making investment decisions or investment recommendations. It is your responsibility to inform yourself of, and to observe, all applicable laws and regulations of Mexico. If any funds, securities, or investment strategies are mentioned or inferred in this material, such funds, securities, or strategies have not been registered with the Mexican National Banking and Securities Commission (Comisión Nacional Bancaria y de Valores, the "CNBV") and thus, may not be publicly offered in Mexico. The CNBV has not confirmed the accuracy of any information contained herein. The provision of investment management and investment advisory services ("Investment") Services") is a regulated activity in Mexico, subject to strict rules, and performed under the supervision of the CNBV. These materials are shared for information purposes only, do not constitute investment advice, and are being shared in the understanding that the addressee is an Institutional or Qualified investor as defined under Mexican Securities (Ley del Mercado de Valores). Each potential investor shall make its own investment decision based on their own analysis of the available information. Please note that by receiving these materials, it shall be construed as a representation by the receiver that it is an Institutional or Qualified investor as defined under Mexican law. BlackRock México Operadora, S.A. de C.V., Sociedad Operadora de Fondos de Inversión ("BlackRock México Operadora") is a Mexican subsidiary of BlackRock, Inc., authorized by the CNBV as a Mutual Fund Manager (Operadora de Fondos), and as such, authorized to manage Mexican mutual funds, ETFs and provide Investment Advisory Services. For more information on the Investment Services offered by BlackRock Mexico, please review our Investment Services Guide available in www.blackrock.com/mx. This material represents an assessment at a specific time and its information should not be relied upon by the you as research or investment advice regarding the funds, any security or investment strategy in particular. Reliance upon information in this material is at your sole discretion. BlackRock México is not authorized to receive deposits, carry out intermediation activities, or act as a broker dealer, or bank in Mexico. For more information on BlackRock México, please visit: www.blackRock.com/mx. BlackRock receives revenue in the form of advisory fees for our advisory services and management fees for our mutual funds, exchange traded funds and collective investment trusts. Any modification, change, distribution, or inadequate use of information of this document is not responsibility of BlackRock or any of its affiliates. Pursuant to the Mexican Data Privacy Law (Ley Federal de Protección de Datos Personales en Posesión de Particulares), to register your personal data you must confirm that you have read and understood the Privacy Notice of BlackRock México Operadora. For the full disclosure, please visit www.blackRock.com/mx and accept that your personal information will be managed according with the terms and conditions set forth therein. BlackRock® is a registered trademark of BlackRock, Inc. All other trademarks are the property of their respective owners.

In Uruguay, the Securities are not and will not be registered with the Central Bank of Uruguay. The Securities are not and will not be offered publicly in or from Uruguay and are not and will not be traded on any Uruguayan stock exchange. This offer has not been and will not be announced to the public and offering materials will not be made available to the general public except in circumstances which do not constitute a public offering of securities in Uruguay, in compliance with the requirements of the Uruguayan Securities Market Law (Law No 18.627 and Decree 322/011).

For investors in Central America, these securities have not been registered before the Securities Superintendence of the Republic of Panama, nor did the offer, sale, or their trading procedures. The registration exemption has made according to numeral 3 of Article 129 of the Consolidated Text containing of the Decree-Law No. 1 of July 8, 1999 (institutional investors). Consequently, the tax treatment set forth in Articles 334 to 336 of the Unified Text containing Decree-Law No. 1 of July 8, 1999, does not apply to them. These securities are not under the supervision of the Securities Superintendence of the Republic of Panama. The information contained herein does not describe any product that is supervised or regulated by the National Banking and Insurance Commission (CNBS) in Honduras. Therefore, any investment described herein is done at the investor's own risk. This is an individual and private offer which is made in Costa Rica upon reliance on an exemption from registration before the General Superintendence of Securities ("SUGEVAL"), pursuant to articles 7 and 8 of the Regulations on the Public Offering of Securities ("Reglamento sobre Oferta Pública de Valores"). This information is confidential and is not to be reproduced or distributed to third parties as this is NOT a public offering of securities in Costa Rica. The product being offered is not intended for the Costa Rican public or market and neither is registered or will be registered before the SUGEVAL, nor can be traded in the secondary market. If any recipient of this documentation receives this document in El Salvador, such recipient acknowledges that the same has been delivered upon his request and instructions, and on a private placement basis.

For investors in the Caribbean, any funds mentioned or inferred in this material have not been registered under the provisions of the Investment Funds Act of 2003 of the Bahamas, nor have they been registered with the securities regulators of Bermuda, Dominica, the Cayman Islands, the British Virgin Islands, Grenada, Trinidad & Tobago, or any jurisdiction in the Organisation of Eastern Caribbean States, and thus, may not be publicly offered in any such jurisdiction. The shares of any fund mentioned herein may only be marketed in Bermuda by or on behalf of the fund or fund manager only in compliance with the provision of the Investment Business Act 2003 of Bermuda and the Companies Act of 1981. Engaging in marketing, offering, or selling any fund from within the Cayman Islands to persons or entities in the Cayman Islands may be deemed carrying on business in the Cayman Islands. As a non-Cayman Islands person, BlackRock may not carry on or engage in any trade or business unless it properly registers and obtains a license for such activities in accordance with the applicable Cayman Islands law.

For Offshore Wealth investors, for institutional investors and financial intermediaries only (not for public distribution). The information contained herein is for informational purposes only and is not intended to be relied upon as a forecast, research, or investment advice, and is not a recommendation, offer or solicitation to buy or sell any securities or to adopt any investment strategy. An assessment should be made as to whether the information is appropriate for you having regard to your objectives, financial situation, and needs. Reliance upon information in this material is at the sole discretion of the reader. Investment implies risk, including the possible loss of principal. This information does not consider the investment objectives, risk tolerance, or the financial circumstances of any specific investor. This information does not replace the obligation of financial advisor to apply his/her best judgment in making investment decisions or investment recommendations.

This material is restricted to distribution to non-U.S. Persons outside the United States within the meaning of Regulation S under the U.S. Securities Act of 1933, as amended (the "Securities Act"). Any securities described herein may not be registered under the Securities Act or with any securities' regulatory authority of any state or other jurisdiction and may not be offered, sold, pledged, or otherwise transferred except to persons outside the U.S. in accordance with Regulation S under the Securities Act pursuant to the terms of such securities. In particular, any UCITS funds mentioned herein are not available to investors in the U.S. and this material cannot be construed as an offer of any UCITS fund to any investor in the U.S.

In Canada, this material is intended for permitted clients as defined under Canadian securities law.

The information contained in this document, does not constitute, and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes, or omissions or for any action taken in reliance thereon. You may only reproduce, circulate, and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public. The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

Any research in this document has been procured and may have been acted on by BlackRock for its own purpose. The results of such research are being made available only incidentally. The views expressed do not constitute investment or any other advice and are subject to change. They do not necessarily reflect the views of any company in the BlackRock Group or any part thereof and no assurances are made as to their accuracy.

This document is for information purposes only and does not constitute an offer or invitation to anyone to invest in any BlackRock funds and has not been prepared in connection with any such offer.

© 2024 BlackRock, Inc. or its affiliates. All Rights Reserved. BLACKROCK is a trademark of BlackRock, Inc. or its affiliates. All other trademarks are those of their respective owners.