



## Credit Quarterly Outlook Q1 2022

# Imperfect information and imperfect foresight

- We expect a seasonal growth rebound after a tough Covid winter
- Valuations have cheapened a bit and corporate credit quality is good
- Technicals are weak with the Fed tapering process starting and central banks hesitating on the right policy response to inflation fears

For economic advisors, imperfect information implies imperfect forecasts, which in turn complicates the process of forecasting economic activity. This is especially true right now. With so many distorting elements at play, including severe global supply chain disruptions, we simply cannot rely on economic theory for easy answers. As we consider all the evidence around corporate pricing power, policy stimulus and consumer spending behavior, we believe that US and European fundamentals will not be the key driver of credit markets in Q1 2022.

Regarding valuations, we have seen a back up in spreads. This started in Europe, while the US lagged somewhat. We believe the US credit market will catch up, as soon as everyone realizes we are in the same global boat when it comes to Covid. There are also many risk factors that we believe are still not sufficiently priced, like geopolitical risks around Russia, the growth impact of the Chinese real

estate meltdown, and emerging market volatility in general. Managing these risks with a contrarian research-driven attitude is more important than pinpointing the correct beta, if that already exists.

### Outlook

For professional investors  
Q1 2022

Victor Verberk & Sander Bus  
Co-heads Credit team

Jamie Stuttard  
Credit strategist

Technicals, and especially central bank activity and communication (the Fed's 'retiring transitory', for example) might cause a bout of risk aversion after years of increased risk taking by asset owners. Hence the technical side of our assessment provided the most ammunition for discussion and we believe it will be the main reason to stay cautious for a while longer.

## Fundamentals

Humility is still the most appropriate term to use while assessing the economic prognosis. Consider the intraday volatility of equity markets as a proxy for the difficulties most of us have in assessing the current and future likely outcomes.

A few things are safe to state, though. Global manufacturing growth is solid enough despite the recent downward adjustment in growth estimations. Consumer goods demand continues to underpin growth. Actually, almost all growth has been driven by consumer demand. Capital investments and inventory build have so far hardly contributed. That might bode well for the future.

Most corporates are doing very well and profits are up. Rising input costs are increasingly a theme, but margins have held up well in general and it is clear most corporates are able to pass through rising input prices. Meanwhile, the US labor market is tightening. With vacancies difficult to fill, the significantly lower labor force participation rate than in the pre-Covid era, a trend towards early retirement and some 2.5 million lost jobs since early 2020, the overall picture is a bit blurry – but the bottom line is that labor shortages are emerging. In any case, we see labor scarcity with wages rising primarily in the lower income brackets.

A key source of concern for markets of course is inflation. Inflation prints have headed persistently higher. Despite central banks having been very firm that this would be transitory, more and more market participants no longer believe this. The Federal Reserve's communication has not helped the cause, either. The most recent comments by Chairman Powell, that we should retire the word 'transitory' or change its definition, have not been productive. Efforts in recent years to convince markets that the Federal Reserve would deliberately be behind the curve, have come to naught after a few months of high inflation.

Also, the timing of these comments was odd, given that markets were simultaneously digesting the omicron news. Equally odd was signaling that the pace of tapering would be sped up, only six weeks after its first announcement, when the Fed had previously lagged other English-speaking central banks by six months in announcing the start of

tapering. It all points once again to our critical view of central bankers and the consequences of their behavior.

Markets now price nearly six rate hikes until December 2023, which would bring the federal funds rate to 1.5%, at the lower end of what we expect to be the neutral rate.

In Europe, it's too soon to talk about rate hikes. But we do have to prepare for a wind down of PEPP at some stage. We think that the ECB would want to maintain some flexibility, though, and would keep the option to reinstate PEPP whenever they feel it is needed again. In all likelihood APP might even be expanded temporarily, to offset the end of PEPP. In other words, the ECB's credit purchases will continue in some shape or form in 2022 – and the continued global portfolio rebalancing into risky assets is not over yet.

While talking about rate hikes in Europe is premature, talking about swap spreads is not. Although it is difficult to pinpoint why, the widening in European swap spreads suggests an imbalance. It could be a shortage of collateral (Bunds) or some other (leveraged) exposure being wrongly positioned. It could also just be year-end liquidity concerns that will abate in the next few weeks. We mention this because it shows that, sometimes, market drivers are not entirely clear. It's a matter of having to work with 'imperfect information'.

On fundamentals, our biggest concern is still on China. With 25% of GDP and 40% of domestic lending related to real estate, one cannot afford to be too easygoing about China's property sector. There might be some fall-out into European banks, too. A full-blown crisis after a secular credit boom tends to follow a sequential pattern and, when serious enough, can lead to a Minsky moment and very turbulent risk premia adjustments. Initially, market participants underestimate the wider implications of a seemingly idiosyncratic event. Then it becomes apparent that there are broader sector issues, following years of system-wide debt accumulation. In time, unforeseen contagion elements cause market participants to worry about liquidity, and they eventually panic due to outflows. While policymakers can mitigate the forces of contagion, resolution of the underlying imbalances can take years.

The conclusion is that, for a western developed market credit investor, the fundamentals will probably be fine. Despite the difficulties in estimating growth, and barring a major policy mistake from the Fed or a downward acceleration in China, fundamentals will probably not be the long-term driver for credit spreads beyond a tough winter. Most likely is that we get a further healthy medium-term recovery. Inflation and central bank behavior and communication will determine sentiment and might drive

short-term risk cycles. Our Global Macro team expects European inflation to peak in Q4 2021 and US CPI to peak in H1 2022, after which inflation is expected to moderate to just above central bank targets by the end of next year.

More than ever before, we are now investing in a world of imperfect information and imperfect foresight. This will drive market volatility and hence create opportunities for active managers.

## Valuations

Valuations have very recently eased a bit, as we have been expecting for some time. US and European credit spreads on average widened by 25 bps for investment grade and by 50 bps for high yield, while Europe underperformed slightly. For example, with European spreads at 108 bps at the time of writing, the historical median spread of 122 bps is still some way off – let alone the historical third-quartile OAS level of 173. In short, markets certainly are not cheap yet.

On the other hand, it does offer some opportunities for stock picking and it is good for Robeco's current cautious positioning. We still believe that risk factors have not been sufficiently priced. Geopolitical risks (Russia and Ukraine), inflation concerns, the China growth scare, energy prices or just general moves of nominal yields (in both directions, given H2 2021's curve pivot), all suggest that current spreads are not justified.

Rising yields in general are good for credit spreads. When one digs a bit deeper, a gently steepening rate curve is even better for credit. When inflation expectations rise, like we're seeing now, real yields can fall and that generally is accompanied by positive credit excess returns. However, as we've written before, rising real yields reflect a different situation: they are typically accompanied by wider spreads. For now, real yields are still at rock bottom.

Valuations are well underpinned by corporate health. Margins are generally strong, pricing power seems to be mostly in order and cash balances are high. In fact, most credit strategists expect rising stars to heavily outnumber fallen angels. Corporates are managing leverage in a way which is credit friendly and the default rate has fallen back to close to all-time lows.

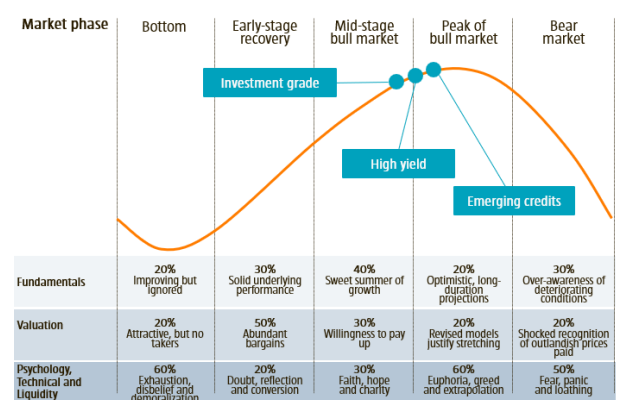
A special note on Chinese credit is fitting. We are very cautious here, given our base case of an extended slowdown and our assessment that the high yield market in China is almost uninvestable, given opaque disclosure. Furthermore, the Asian credit landscape is still too reliant on implicit government guarantees. Spreads in some cases

are very cheap but one needs thorough credit research to make choices and assess the difference between 'cheap' and 'value'. There is a lack of market-wide rigor in bottom-up research.

In developed market credit, we like BB-rated credits and prefer the higher spreads in European high yield over US high yield. Higher-rated European credits have been driven wider by the correlation with swap spreads that had widened in Europe. We allocate more to covered bonds and quality credit. We also think higher yields and inflation should bode well for financials.

The conclusion on valuations is that we think credit spreads are still expensive. The limited widening that we have seen might deliver some stock-pick opportunities, for example in Covid-recovery companies, financials and high yield, given the better duration protection.

## Market cycle | Mapping our view on market segments



Source: Robeco, December 2021

## Technicals

We have referred to our concerns about central bank policy mistakes and communication errors. We leave it at that. In their defense, though, central bankers also face a world of imperfect information and imperfect foresight. Looking at economic sectors in aggregate terms is easy but it can be misleading. For example, one has to disaggregate consumers' savings and wealth trends into different income and wealth brackets to assess the potential implications of savings dynamics for future spending. Also, the ECB, as always, has to set policy for Northern as well as Southern Europe using a single policy rate.

It could well be that some supply bottlenecks are here to stay for a good while yet, even if there have been incipient signs of easing. Longer term, Covid might become part of life, but its economic impact should dwindle over time. It

does mean that corporates will have to adjust their view on just-in-time delivery, governments have to execute more fiscal transfers and market-risk cycles might be more frequent. We mention this under ‘technical’, since a potential permanent impact on inflation remains a big question and the uncertainty premium on central bank behavior could be bigger. It also increases the chance of policy mistakes and market reactions to these mistakes.

Among the many variables we monitor is the USD. The greenback is appreciating on a trade-weighted basis and that might cause stress in the medium term. After all, the USD is still the world’s reserve currency. About 50% of all cross-border lending, 80% of all FX transactions, 50% of all international trade and 80% of all import and export for emerging markets are denominated in USD. A more expensive USD makes global debt service costs more expensive for borrowers reliant on external financing like Turkish corporates or Chinese real estate developers.

Another topic is the geopolitical risks in Europe versus the US. Europe faces a range of issues along its eastern frontier, from Polish-EU relations, Russian-Ukraine tensions, events in Belarus and increased financial market volatility in Turkey. On their own, none of these may matter. Yet in combination, these events could coalesce into a more bearish tone. In the US, the near-term sees a calendar-based risk in the debt ceiling, once again. While eventual resolution is likely, brinkmanship before a deal is often observed, too. The latter would be particularly relevant for risk if it occurred in more seasonally illiquid holiday markets into year end.

A final topic which has become more relevant is LBO risks. We have not written much about this in recent quarters, but the barbarians are back at the gate. There is a lot of as yet undeployed dry powder at private equity firms and deal values are drifting up (think, for example, of the telecom sector).

The conclusion is that technicals look weak. There are too many risk premia that are not well priced. This combined with the clear central bank hesitation in discerning the most appropriate path forward for policy, might prompt flows out of risky assets.

## Positioning

We have written about 2021 playing out as either a boring or bearish year. It turned out to be boring, with year-to-

date EUR investment grade excess returns at 0%. That said, at the tail-end of the year it looks as though economic uncertainty is increasing, driven by unease around inflation. In our case, we would need to be convinced that we’re at the beginning of something bigger in order to justify increasing betas from the current underweight.

We do see the opportunities opening up in selected emerging markets ex-China, as well as in financials, BB-rated credit, Euro swap spreads or Covid-recovery plays. We remain overweight EUR over US credit, given where valuations are. We would adjust this on any back up in the US credit market.

The strategy will also be about managing risk factors in a portfolio context. For example, if one owns a great deal of callability risk via hybrids or holds a set of higher-risk idiosyncratic positions in a portfolio, the beta should be lower to manage extension risks or a general sell off. Similarly, where we are long Europe over the US, we should be careful about Italy risks and manage the composition of the overweight with care.

Overall, it is important that, whatever we own, the risk should be reflected in the spread in this phase of the credit cycle. And, looking for less-correlated positions makes sense.

	Constructive	Neutral	Cautious
<b>Fundamentals</b>	✓		
<b>Valuations</b>			✓
<b>Technicals</b>			✓
<b>IG credit</b>			✓
<b>HY credit</b>			✓
<b>Financials</b>	✓		
<b>Non-financials</b>			✓
<b>Emerging</b>			✓

Source: Robeco, December 2021

## Guests:

*We would like to thank the guests who contributed to this quarterly outlook with their valuable presentations and discussions. The views of Rikkert Scholten, Martin van Vliet and Jamie Stuttard (Robeco), Winifred Cisar (CreditSights), Robert McAdie (BNPP) and Marco Valli (UniCredit) have been taken into account in establishing our credit views.*



## Important Information

Robeco Institutional Asset Management B.V. has a license as manager of Undertakings for Collective Investment in Transferable Securities (UCITS) and Alternative Investment Funds (AIFs) ("Fund(s)") from the Netherlands Authority for the Financial Markets in Amsterdam. This marketing document is intended solely for professional investors, defined as investors qualifying as professional clients, who have requested to be treated as professional clients or are authorized to receive such information under any applicable laws. Robeco Institutional Asset Management B.V. and/or its related, affiliated and subsidiary companies, ("Robeco"), will not be liable for any damages arising out of the use of this document. Users of this information who provide investment services in the European Union have their own responsibility to assess whether they are allowed to receive the information in accordance with MiFID II regulations. To the extent this information qualifies as a reasonable and appropriate minor non-monetary benefit under MiFID II, users that provide investment services in the European Union are responsible for complying with applicable recordkeeping and disclosure requirements. The content of this document is based upon sources of information believed to be reliable and comes without warranties of any kind. Without further explanation this document cannot be considered complete. Any opinions, estimates or forecasts may be changed at any time without prior warning. If in doubt, please seek independent advice. This document is intended to provide the professional investor with general information about Robeco's specific capabilities but has not been prepared by Robeco as investment research and does not constitute an investment recommendation or advice to buy or sell certain securities or investment products or to adopt any investment strategy or legal, accounting or tax advice. All rights relating to the information in this document are and will remain the property of Robeco. This material may not be copied or shared with the public. No part of this document may be reproduced or published in any form or by any means without Robeco's prior written permission. Investment involves risks. Before investing, please note the initial capital is not guaranteed. Investors should ensure they fully understand the risk associated with any Robeco product or service offered in their country of domicile. Investors should also consider their own investment objective and risk tolerance level. Historical returns are provided for illustrative purposes only. The price of units may go down as well as up and past performance is no guarantee of future results. If the currency in which the past performance is displayed differs from the currency of the country in which you reside, then you should be aware that due to exchange rate fluctuations the performance shown may increase or decrease if converted into your local currency. The performance data do not take account of the commissions and costs incurred when trading securities in client portfolios or for the issue and redemption of units. Unless otherwise stated, the prices used for the performance figures of the Luxembourg-based Funds are the end-of-month transaction prices net of fees up to 4 August 2010. From 4 August 2010, the transaction prices net of fees will be those of the first business day of the month. Return figures versus the benchmark show the investment management result before management and/or performance fees; the Fund returns are with dividends reinvested and based on net asset values with prices and exchange rates as at the valuation moment of the benchmark. Please refer to the prospectus of the Funds for further details. Performance is quoted net of investment management fees. The ongoing charges mentioned in this document are the ones stated in the Fund's latest annual report at closing date of the last calendar year. This document is not directed to or intended for distribution to or for use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, document, availability or use would be contrary to law or regulation or which would subject any Fund or Robeco Institutional Asset Management B.V. to any registration or licensing requirement within such jurisdiction. Any decision to subscribe for interests in a Fund offered in a particular jurisdiction must be made solely on the basis of information contained in the prospectus, which information may be different from the information contained in this document. Prospective applicants for shares should inform themselves as to legal requirements which may also apply and any applicable exchange control regulations and taxes in the countries of their respective citizenship, residence or domicile. The Fund information, if any, contained in this document is qualified in its entirety by reference to the prospectus, and this document should, at all times, be read in conjunction with the prospectus. Detailed information on the Fund and associated risks is contained in the prospectus. The prospectus and the Key Investor Information Document for the Robeco Funds can all be obtained free of charge from Robeco's websites.

### Additional Information for US investors

Robeco is considered "participating affiliated" and some of their employees are "associated persons" of Robeco Institutional Asset Management US Inc. ("RIAM US") as per relevant SEC no-action guidance. Employees identified as associated persons of RIAM US perform activities directly or indirectly related to the investment advisory services provided by RIAM US. In those situations these individuals are deemed to be acting on behalf of RIAM US, a US SEC registered investment adviser. SEC regulations are applicable only to clients, prospects and investors of RIAM US. RIAM US is a wholly owned subsidiary of ORIX Corporation Europe N.V. and offers investment advisory services to institutional clients in the US.

### Additional Information for investors with residence or seat in Australia and New Zealand

This document is distributed in Australia by Robeco Hong Kong Limited (ARBN 156 512 659) ("RIAM BV"), which is exempt from the requirement to hold an Australian financial services license under the Corporations Act 2001 (Cth) pursuant to ASIC Class Order 03/1103. Robeco is regulated by the Securities and Futures Commission under the laws of Hong Kong and those laws may differ from Australian laws. This document is distributed only to "wholesale clients" as that term is defined under the Corporations Act 2001 (Cth). This document is not intended for distribution or dissemination, directly or indirectly, to any other class of persons. In New Zealand, this document is only available to wholesale investors within the meaning of clause 3(2) of Schedule 1 of the Financial Markets Conduct Act 2013 (FMCA). This document is not intended for public distribution in Australia and New Zealand.

### Additional Information for investors with residence or seat in Austria

This information is solely intended for professional investors or eligible counterparties in the meaning of the Austrian Securities Oversight Act.

### Additional Information for investors with residence or seat in Brazil

The Fund may not be offered or sold to the public in Brazil. Accordingly, the Fund has not been nor will be registered with the Brazilian Securities Commission (CVM), nor has it been submitted to the foregoing agency for approval. Documents relating to the Fund, as well as the information contained therein, may not be supplied to the public in Brazil, as the offering of the Fund is not a public offering of securities in Brazil, nor may they be used in connection with any offer for subscription or sale of securities to the public in Brazil.

### Additional Information for investors with residence or seat in Brunei

The Prospectus relates to a private collective investment scheme which is not subject to any form of domestic regulations by the Autoriti Monetari Brunei Darussalam ("Authority"). The Prospectus is intended for distribution only to specific classes of investors as specified in section 20 of the Securities Market Order, 2013, and must not, therefore, be delivered to, or relied on by, a retail client. The Authority is not responsible for reviewing or verifying any prospectus or other documents in connection with this collective investment scheme. The Authority has not approved the Prospectus or any other associated documents nor taken any steps to verify the information set out in the Prospectus and has no responsibility for it. The units to which the Prospectus relates may be illiquid or subject to restrictions on their resale. Prospective purchasers of the units offered should conduct their own due diligence on the units.

### Additional Information for investors with residence or seat in Canada

No securities commission or similar authority in Canada has reviewed or in any way passed upon this document or the merits of the securities described herein, and any representation to the contrary is an offence. Robeco Institutional Asset Management B.V. relies on the international dealer and international adviser exemption in Quebec and has appointed McCarthy Tétrault LLP as its agent for service in Quebec.

### Additional information for investors with residence or seat in the Republic of Chile

Neither Robeco nor the Funds have been registered with the *Comisión para el Mercado Financiero* pursuant to Law no. 18.045, the *Ley de Mercado de Valores* and regulations thereunder. This document does not constitute an offer of or an invitation to subscribe for or purchase shares of the Funds in the Republic of Chile, other than to the specific person who individually requested this information on their own initiative. This may therefore be treated as a "private offering" within the meaning of article 4 of the *Ley de Mercado de Valores* (an offer that is not addressed to the public at large or to a certain sector or specific group of the public).

### Additional Information for investors with residence or seat in Colombia

This document does not constitute a public offer in the Republic of Colombia. The offer of the Fund is addressed to fewer than one hundred specifically identified investors. The 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 Funds in Colombia.

### Additional Information for investors with residence or seat in the Dubai International Financial Centre (DIFC), United Arab Emirates

This material is distributed by Robeco Institutional Asset Management B.V. (DIFC Branch) located at Office 209, Level 2, Gate Village Building 7, Dubai International Financial Centre, Dubai, PO Box 482060, UAE. Robeco Institutional Asset Management B.V. (DIFC Branch) is regulated by the Dubai Financial Services Authority ("DFSA") and only deals with Professional Clients or Market Counterparties and does not deal with Retail Clients as defined by the DFSA.

### Additional Information for investors with residence or seat in France

Robeco Institutional Asset Management B.V. is at liberty to provide services in France. Robeco France is a subsidiary of Robeco whose business is based on the promotion and distribution of the group's funds to professional investors in France.

### Additional Information for investors with residence or seat in Germany

This information is solely intended for professional investors or eligible counterparties in the meaning of the German Securities Trading Act.

### Additional Information for investors with residence or seat in Hong Kong

The contents of this document have not been reviewed by the Securities and Futures Commission ("SFC") in Hong Kong. If there is in any doubt about any of the contents of this document, independent professional advice should be obtained. This document has been distributed by Robeco Hong Kong Limited ("Robeco"). Robeco is regulated by the SFC in Hong Kong.

### Additional Information for investors with residence or seat in Indonesia

The Prospectus does not constitute an offer to sell nor a solicitation to buy securities in Indonesia.

### Additional Information for investors with residence or seat in Italy

This document is considered for use solely by qualified investors and private professional clients (as defined in Article 26 (1) (b) and (d) of Consob Regulation No. 16190 dated 29 October 2007). If made available to Distributors and individuals authorized by Distributors to conduct promotion and marketing activity, it may only be used for the purpose for which it was conceived. The data and information contained in this document may not be used for communications with Supervisory Authorities. This document does not include any information to determine, in concrete terms, the investment inclination and, therefore, this document cannot and should not be the basis for making any investment decisions.

### Additional Information for investors with residence or seat in Japan

This document is considered for use solely by qualified investors and is distributed by Robeco Japan Company Limited, registered in Japan as a Financial Instruments Business Operator, [registered No. the Director of Kanto Local Financial Bureau (Financial Instruments Business Operator), No, 2780, Member of Japan Investment Advisors Association].

### Additional Information for investors with residence or seat in South Korea

The Management Company is not making any representation with respect to the eligibility of any recipients of the Prospectus to acquire the Shares therein under the laws of South Korea, including but not limited to the Foreign Exchange Transaction Act and Regulations thereunder. The Shares have not been registered under the Financial Investment Services and Capital Markets Act of Korea, and none of the Shares may be offered, sold or delivered, or offered or sold to any person for re-offering or resale, directly or indirectly, in South Korea or to any resident of South Korea except pursuant to applicable laws and regulations of South Korea.

### Additional Information for investors with residence or seat in Liechtenstein

This document is exclusively distributed to Liechtenstein-based, duly licensed financial intermediaries (such as banks, discretionary portfolio managers, insurance companies, fund of funds) which do not intend to invest on their own account into Fund(s) displayed in the document. This material is distributed by Robeco Switzerland Ltd, postal address: Josefstrasse 218, 8005 Zurich, Switzerland. LGT Bank Ltd., Herrengasse 12, FL-9490 Vaduz, Liechtenstein acts as the representative and paying agent in Liechtenstein. The prospectus, the Key Investor Information Documents (KIIDs), the articles of association, the annual and semi-annual reports of the Fund(s) may be obtained from the representative or via the website.

**Additional Information for investors with residence or seat in Malaysia**

Generally, no offer or sale of the Shares is permitted in Malaysia unless where a Recognition Exemption or the Prospectus Exemption applies: NO ACTION HAS BEEN, OR WILL BE, TAKEN TO COMPLY WITH MALAYSIAN LAWS FOR MAKING AVAILABLE, OFFERING FOR SUBSCRIPTION OR PURCHASE, OR ISSUING ANY INVITATION TO SUBSCRIBE FOR OR PURCHASE OR SALE OF THE SHARES IN MALAYSIA OR TO PERSONS IN MALAYSIA AS THE SHARES ARE NOT INTENDED BY THE ISSUER TO BE MADE AVAILABLE, OR MADE THE SUBJECT OF ANY OFFER OR INVITATION TO SUBSCRIBE OR PURCHASE, IN MALAYSIA. NEITHER THIS DOCUMENT NOR ANY DOCUMENT OR OTHER MATERIAL IN CONNECTION WITH THE SHARES SHOULD BE DISTRIBUTED, CAUSED TO BE DISTRIBUTED OR CIRCULATED IN MALAYSIA. NO PERSON SHOULD MAKE AVAILABLE OR MAKE ANY INVITATION OR OFFER OR INVITATION TO SELL OR PURCHASE THE SHARES IN MALAYSIA UNLESS SUCH PERSON TAKES THE NECESSARY ACTION TO COMPLY WITH MALAYSIAN LAWS.

**Additional Information for investors with residence or seat in Mexico**

The funds have not been and will not be registered with the National Registry of Securities, maintained by the Mexican National Banking and Securities Commission and, as a result, may not be offered or sold publicly in Mexico. Robeco and any underwriter or purchaser may offer and sell the funds in Mexico on a private placement basis to Institutional and Accredited Investors, pursuant to Article 8 of the Mexican Securities Market Law.

**Additional Information for investors with residence or seat in Peru**

The Fund has not been registered with the Superintendencia del Mercado de Valores (SMV) and is being placed by means of a private offer. SMV has not reviewed the information provided to the investor. This document is only for the exclusive use of institutional investors in Peru and is not for public distribution.

**Additional Information for investors with residence or seat in Shanghai**

This material is prepared by Robeco Overseas Investment Fund Management (Shanghai) Limited Company ("Robeco Shanghai") and is only provided to the specific objects under the premise of confidentiality. Robeco Shanghai was registered as a private fund manager with the Asset Management Association of China in September 2018. Robeco Shanghai is a wholly foreign-owned enterprise established in accordance with the PRC laws, which enjoys independent civil rights and civil obligations. The statements of the shareholders or affiliates in the material shall not be deemed to a promise or guarantee of the shareholders or affiliates of Robeco Shanghai, or be deemed to any obligations or liabilities imposed to the shareholders or affiliates of Robeco Shanghai.

**Additional Information for investors with residence or seat in Singapore**

This document has not been registered with the Monetary Authority of Singapore ("MAS"). Accordingly, this document may not be circulated or distributed directly or indirectly to persons in Singapore other than (i) to an institutional investor under Section 304 of the SFA, (ii) to a relevant person pursuant to Section 305(1), or any person pursuant to Section 305(2), and in accordance with the conditions specified in Section 305, of the SFA, or (iii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. The contents of this document have not been reviewed by the MAS. Any decision to participate in the Fund should be made only after reviewing the sections regarding investment considerations, conflicts of interest, risk factors and the relevant Singapore selling restrictions (as described in the section entitled "Important Information for Singapore Investors") contained in the prospectus. Investors should consult your professional adviser if you are in doubt about the stringent restrictions applicable to the use of this document, regulatory status of the Fund, applicable regulatory protection, associated risks and suitability of the Fund to your objectives. Investors should note that only the Sub-Funds listed in the appendix to the section entitled "Important Information for Singapore Investors" of the prospectus ("Sub-Funds") are available to Singapore investors. The Sub-Funds are notified as restricted foreign schemes under the Securities and Futures Act, Chapter 289 of Singapore ("SFA") and invoke the exemptions from compliance with prospectus registration requirements pursuant to the exemptions under Section 304 and Section 305 of the SFA. The Sub-Funds are not authorized or recognized by the MAS and shares in the Sub-Funds are not allowed to be offered to the retail public in Singapore. The prospectus of the Fund is not a prospectus as defined in the SFA. Accordingly, statutory liability under the SFA in relation to the content of prospectuses does not apply. The Sub-Funds may only be promoted exclusively to persons who are sufficiently experienced and sophisticated to understand the risks involved in investing in such schemes, and who satisfy certain other criteria provided under Section 304, Section 305 or any other applicable provision of the SFA and the subsidiary legislation enacted thereunder. You should consider carefully whether the investment is suitable for you. Robeco Singapore Private Limited holds a capital markets services license for fund management issued by the MAS and is subject to certain clientele restrictions under such license.

**Additional Information for investors with residence or seat in Spain**

Robeco Institutional Asset Management B.V., Sucursal en España with identification number W0032687F and having its registered office in Madrid at Calle Serrano 47-14º, is registered with the Spanish Commercial Registry in Madrid, in volume 19.957, page 190, section 8, sheet M-351927 and with the National Securities Market Commission (CNMV) in the Official Register of branches of European investment services companies, under number 24. The investment funds or SICAV mentioned in this document are regulated by the corresponding authorities of their country of origin and are registered in the Special Registry of the CNMV of Foreign Collective Investment Institutions marketed in Spain.

**Additional Information for investors with residence or seat in South Africa**

Robeco Institutional Asset Management B.V. is registered and regulated by the Financial Sector Conduct Authority in South Africa.

**Additional Information for investors with residence or seat in Switzerland**

The Fund(s) are domiciled in Luxembourg. This document is exclusively distributed in Switzerland to qualified investors as defined in the Swiss Collective Investment Schemes Act (CISA). This material is distributed by Robeco Switzerland Ltd, postal address: Josefstrasse 218, 8005 Zurich. ACOLIN Fund Services AG, postal address: Affolternstrasse 56, 8050 Zürich, acts as the Swiss representative of the Fund(s). UBS Switzerland AG, Bahnhofstrasse 45, 8001 Zurich, postal address: Europastrasse 2, P.O. Box, CH-8152 Opfikon, acts as the Swiss paying agent. The prospectus, the Key Investor Information Documents (KIIDs), the articles of association, the annual and semi-annual reports of the Fund(s), as well as the list of the purchases and sales which the Fund(s) has undertaken during the financial year, may be obtained, on simple request and free of charge, at the office of the Swiss representative ACOLIN Fund Services AG. The prospectuses are also available via the website.

**Additional Information relating to RobecoSAM-branded funds/services**

Robeco Switzerland Ltd, postal address Josefstrasse 218, 8005 Zurich, Switzerland has a license as asset manager of collective assets from the Swiss Financial Market Supervisory Authority FINMA. RobecoSAM-branded financial instruments and investment strategies referring to such financial instruments are generally managed by Robeco Switzerland Ltd. The RobecoSAM brand is a registered trademark of Robeco Holding B.V. The brand RobecoSAM is used to market services and products which entail Robeco's expertise on Sustainable Investing (SI). The brand RobecoSAM is not to be considered as a separate legal entity.

**Additional Information for investors with residence or seat in Thailand**

The Prospectus has not been approved by the Securities and Exchange Commission which takes no responsibility for its contents. No offer to the public to purchase the Shares will be made in Thailand and the Prospectus is intended to be read by the addressee only and must not be passed to, issued to, or shown to the public generally.

**Additional Information for investors with residence or seat in the United Arab Emirates**

Some Funds referred to in this marketing material have been registered with the UAE Securities and Commodities Authority (the Authority). Details of all Registered Funds can be found on the Authority's website. The Authority assumes no liability for the accuracy of the information set out in this material/document, nor for the failure of any persons engaged in the investment Fund in performing their duties and responsibilities.

**Additional Information for investors with residence or seat in the United Kingdom**

Robeco is subject to limited regulation in the UK by the Financial Conduct Authority. Details about the extent of our regulation by the Financial Conduct Authority are available from us on request.

**Additional Information for investors with residence or seat in Uruguay**

The sale of the Fund qualifies as a private placement pursuant to section 2 of Uruguayan law 18,627. The Fund must not be offered or sold to the public in Uruguay, except under circumstances which do not constitute a public offering or distribution under Uruguayan laws and regulations. The Fund is not and will not be registered with the Financial Services Superintendency of the Central Bank of Uruguay. The Fund corresponds to investment funds that are not investment funds regulated by Uruguayan law 16,774 dated September 27, 1996, as amended.