

# Weekly Pulse

It's been an eventful week following SVB's failure last Friday, which has been succeeded by a confidence crisis Credit Suisse. The Swiss National Bank offered liquidity to the latter while US authorities launched a temporary bank funding programme to protect depositors and support liquidity. The ECB followed through with a 50bps hike in policy rates, stressing its resolve to tame inflation. The Governing Council also stands ready to respond as necessary to preserve financial stability. Risk aversion pushed investors' flows into money market, government bonds and gold exposures.

### TREASURIES WEATHERED RISK AVERSION

### Equity- government bonds monthly return

Net total return in USD (in %)



Source: Amundi, Bloomberg. Data as at 16/03/2023. Past performance is not a reliable indicator of future performance.

### MARKET COLOUR & EVENT CALENDAR



Source: Amundi, Bloomberg. Data as at 16/03/2023. Past performance is not a reliable indicator of future performance.

### Amundi ETF Investment Strategy



### LOOKING FOR PORTFOLIO DIVERSIFIERS

- Idiosyncratic risks have materialised: Contagion effects have been limited so far in the face of SVB's collapse and Credit Suisse's confidence crisis. How the current turmoil will affect underlying activity remains key.
- No trade-off for the ECB: The ECB stressed its resolve to tame inflation while standing ready to support financial stability. The drop in forward guidance will bring further market volatility.
- Treasuries and gold as portfolio diversifiers: Compared to last year, traditional defensive assets have proved more resilient in the face of heightened market volatility

### Preferred indices

Solactive Eurozone Government Bond Index TR Bloomberg US Treasury: 7-10 Year Index LBMA Gold Price PM USD

- European ETF market: Daily volumes remained within their 3-month average. ETFs' bid-offer spreads stayed tight in spite of ongoing market volatility.
- Key events:
  - US: FOMC meeting (+25bps), housing data
  - <u>Europe</u>: ECB President Lagarde & ECB supervisory chief appears before the EU Parliament's economic committee, ECB governing council members speak at various events, EU leaders meet in Brussels, EA countries PMIs

### Summary

Key market themes & related exposures 2
Flows 5
Multi Asset portfolio performance 10
Liquidity 11

This document is for the exclusive use of investors acting on their own account and categorised either as "Eligible Counterparties" or "Professional Clients" within the meaning of Markets in Financial Instruments Directive 2014/65/EU. This document is reserved and must be given in Switzerland exclusively to Qualified Investors as defined by the Swiss Collective Investment Scheme Act of 23 June 2006 (as amended from time to time, CISA).

# Find us online

# Looking for portfolio diversifiers

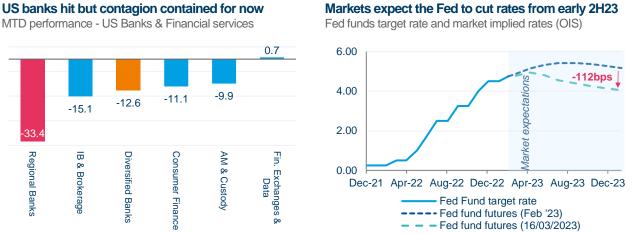
It has been an eventful week with markets assessing the extent of SVB's fallout which helped accelerate a confidence crisis in Credit Suisse. The Fed, the SNB and the ECB have stepped up showing support to protect financial stability. Overall contagion risks remain contained and both the Fed and the SNB standing ready to provide liquidity facilities for distressed financial institutions. Areas of vulnerability remain but systemic risk appears to have been averted for now.

Market performance has undeniably been hit in recent days at a time of tighter liquidity conditions and the impact of central banks' fast-tracked tightening cycle is starting to emerge. Compared to last year, fixed income assets and gold appear to be exhibiting more normal behaviour, proving resilient in the face of heightened volatility conditions. This week we look further into portfolio diversifiers that can help protect multi-asset portfolio performance in challenging market conditions.

### Idiosyncratic risks have materialised

Silicon Valley Bank had been the 16th-largest bank in the US before its collapse on 10 March following an assetliability mismatch. While this event precipitated market stress on global banks, it seems more of an idiosyncratic event rather than systemic for the global financial sector. The extent of the losses is much more <u>contained</u> compared to those triggered by Lehman Brothers' failure in 2008. Albeit US regional banks recorded more than 30% downside since the beginning of the month, these only represent a very small chunk of US Banks and Financial Services when we look at total market capitalisation of these two sub sectors (c. 2% out of 1trn USD of market capitalisation at the time of writing).

US authorities came to the rescue, in light of the sharp tightening of financial conditions and offered <u>support</u> to depositors. Still, the events have sent shivers down the spine of the global banking sector and financial markets alike at a time when recession risk is looming.



Source: Bloomberg, Amundi. Data as at 16/03/2023. Past performance is not a reliable indicator of future performance

Looking ahead, it remains key remains as to how the current turmoil will affect underlying activity. The latest market developments are not only affecting market confidence but also lending conditions and loan standards. This may make it tougher for US consumers to keep up with spending and harder for businesses to expand. As a result, markets' anticipations on the future path of Fed funds trajectory has dramatically shifted in recent days. Market participants are now anticipating the Fed to start cutting rates as early as June this year. This stands in stark contrast to only a couple of weeks ago, when the markets were anticipating peak rates above 5% and no rate cuts. As a result also, the 2y10y treasury yield curve steepened quite dramatically in a matter of days all the way up to -38bps from a low around 105bps before SVB's failure. Some of this move reversed, with the spread currently standing at -60bps.

### No trade-off for the ECB

The ECB followed through on its tightening cycle and announced a 50bps hike monetary policy rates. Inflation forecasts have been lowered but expected to remain well above target for longer (5.3% in 2023, 2.9% in 2024 and 2.1% in 2025 – the update of Macroeconomic Projections can be found <u>here</u>). While the latest market developments weren't taken into account in those projections, President Lagarde stressed that the central bank will remain heavily data dependent and that the future path of policy rates will be determined by the assessment of the inflation outlook, underlying price pressure and the strength of monetary policy transmission.



amundietf.com



### ETF Market Strategy | Weekly Pulse

### MARKETING DOCUMENT - FOR PROFESSIONAL AND QUALIFIED INVESTORS ONLY - NOT INTENDED FOR RETAIL CLIENTS

It also stressed that there won't be any trade-off between the resolve of taming inflation down towards its longer term target but also ensuring financial stability. It stressed that the Governing Council is monitoring market tensions and stands ready to provide facilities <u>if needed</u> (set of facilities/ additional lines, in other currencies if needed). Lagarde also notes that 'financial issues are captured' in the assessment of inflation, citing the added details on the reaction function in the statement: "Assessment of the inflation outlook in light of the incoming economic and financial data."



Peak rates may have been reached in Europe ECB target rate and market implied rates (OIS)



Source: Bloomberg, Amundi. Data as at 16/03/2023. Past performance is not a reliable indicator of future performance

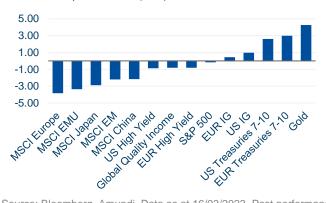
Overall, the main message from central banks is that policy will continue to move tighter and rates are likely to remain elevated for some time given their commitment to maintain price stability. With the ECB now turning fully data dependent, lack of visibility in the future path of policy rates is likely to bring further volatility to financial markets. This comforts us in maintaining a conservative view on global equities altogether, seeking shelter with quality segments that can weather bouts of volatility in the period ahead.

### Treasuries and gold as portfolio diversifiers

The recent market sell off also highlighted that, compared to last year, traditional defensive assets have proved more resilient in the face of heightened market volatility. Government bonds and, more particularly gold posted positive performance over the period. On this basis, these can be used as portfolio diversifiers in periods of heightened market stress.

### Gold and Treasuries to protect portfolio performance

Month to date performance (in %)



Gold price driven by real yields

Gold price and US 10yr real yields (in %)



Source: Bloomberg, Amundi. Data as at 16/03/2023. Past performance is not a reliable indicator of future performance

### **Related indices**

Index name	Bloomberg tickers	Asset class	Amundi / Lyxor ETF replication
Solactive Eurozone Government Bond Index TR	SOLEUSOV	Fixed Income	Optimised
Bloomberg US Treasury: 7-10 Year Index	LT09TRUU	Fixed Income	Full
LBMA Gold Price PM USD	GOLDLNPM	Commodities	Full

Source: Amundi



amundietf.com



# Summary of key exposures (focus of the week in bold)

Market theme	Related exposures					
	Equities	Fixed income				
Inflation / growth / policy response	<u>US EW equities</u> <u>Global Industrials</u> <u>EUR Banks</u> <u>European equities</u> <u>Broad EM equities/ EM Asia/ China A</u>	EUR IG credit EUR floaters USD IG Credit USD floaters USD Steepeners USD 7-10 Treasuries				
Climate change / government incentives	<u>Climate</u> <u>Electric vehicles</u> <u>New energy</u>	PAB EUR IG Credit Corporate Green bonds				
Volatility	EU High dividend Global consumer staples Global quality income	Short-duration EUR bonds Smart overnight				
Portfolio construction	EM ex China equities China	China bonds				



# Flows: Cross-Asset

### Funds and ETF flows (US - EU domiciled in EUR)

Cumulative flows over 4 weeks Cumulative daily flows between 10/03/2023 and 16/03/2023 in Funds and ETFs (US or EU domiciled, in EUR)

		A L 18.4	1-week cumulative daily flows (EUR M)						
A	Asset Class	AUM (EUR Tr)	Total	Total	Euro	ope	U	IS	
			Total	(%)	ETP	Fund	ETP	Fund	
E	quity	18.0	5,084	0.03 %	693	253	-855	4,993	
Fi	ixed Income	8.2	-1,115	-0.01 %	196	1,998	5,524	-8,833	
M	loney-Market	5.9	100,562	1.70 %	336	4,863	0	95,363	
С	ommodities	0.3	-89	-0.03 %	149	42	-91	-189	
M	lulti-Asset	2.8	-826	-0.03 %	-1	269	-8	-1,086	
A	Iternatives	0.3	-432	-0.14 %	-1	-14	-68	-349	
0	thers	0.2	-178	-0.07 %	-51	-66	-370	308	
Т	otal	35.7	103,005	0.29 %	1,321	7,344	4,133	90,208	

### **Equity: daily flows**

50 100

0

Money-Market

Fixed Incor

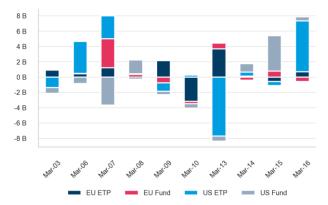
Comm

Alternativ

Multi-Asset

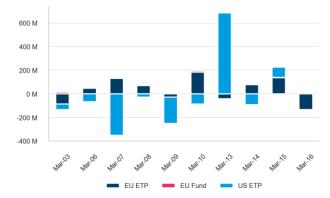
Equity

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### Gold: daily flows

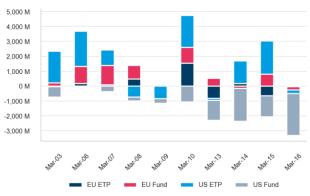
Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



Source: Morningstar, Amundi. Fund flows as at 16/03/2023. Past performance is not a reliable indicator of future returns.

### Fixed Income: daily flows

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### **Oil: daily flows**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)





Find us online amundietf.com

# Flows: Equities

# Funds and ETF flows (US - EU domiciled in EUR)

Cumulative flows over 4 weeks Cumulative daily flows between 10/03/2023 and 16/03/2023 in Funds and ETFs (US or EU domiciled, in EUR)

			AUM		1-week	cumulativ	e daily flows	(EUR M)	
Global		Asset Class	(EUR	Total	Total	Eu	ope	U	IS
Citobal			Bn)	Total	(%)	ETP	Fund	ETP	Fund
	_	Global	4,537	725	0.02 %	266	698	286	-524
EM		US	10,168	7,900	0.08 %	213	311	1,324	6,052
		Europe	1,397	-469	-0.03 %	201	-705	-8	42
		Japan	156	-220	-0.14 %	95	-352	39	-3
Japan		EM	1,023	-1,300	-0.13 %	-64	225	-1,380	-81
Japan		Others	742	-1,551	-0.21 %	-17	76	-1,117	-493
		Total	18,023	5,084	0.03 %	693	253	-855	4,993
Europe									



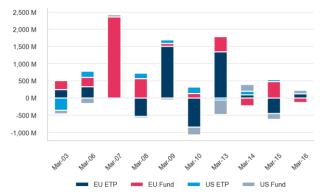
I

**World Equity** 

US

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)

10



### **US Equity**

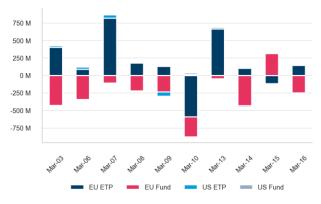
Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



Source: Morningstar, Amundi. Fund flows as at 16/03/2023. Past performance is not a reliable indicator of future returns.

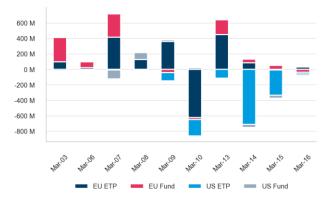
### **Europe Equity**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### **EM Equity**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)





Find us online amundietf.com

# **Flows: Fixed Income**

# Funds and ETF flows (US - EU domiciled in EUR)

Cumulative flows over 4 weeks Cumulative daily flows between 10/03/2023 and 16/03/2023 in Funds and ETFs (US or EU domiciled, in EUR)

1			AUM		1-week	cumulativ	e daily flows	(EUR M)	
Global		Asset Class	(EUR	Total	Total	Eu	rope	ι	JS
			Bn)	Total	(%)	ETP	Fund	ETP	Fund
US Dollar		Global	1,057	1,508	0.14 %	295	1,365	41	-193
00 Dollar		Euro	812	719	0.09 %	540	178	0	0
		US Dollar	4,950	-3,197	-0.06 %	-404	-86	5,763	-8,470
Euro		Sterling	206	-272	-0.13 %	2	-274	0	0
		Yen	4	-29	-0.68 %	-11	-18	0	0
Sterling		EM	320	-482	-0.15 %	-126	-82	-223	-52
Sterling	g	Others	814	638	0.08 %	-101	914	-57	-118
		Total	8,164	-1,115	-0.01 %	196	1,998	5,524	-8,833
Yen									

### Government bonds – EUR sovereigns

EM

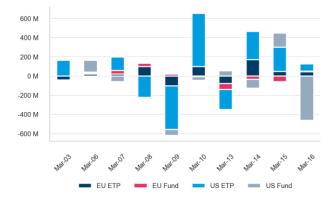
2 4 6

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### US corporate bonds – Investment Grade

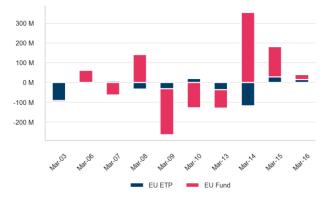
Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



Source: Morningstar, Amundi. Fund flows as at 16/03/2023 . Past performance is not a reliable indicator of future returns.

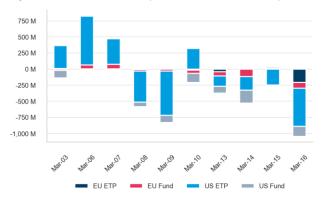
### **Emerging Market Debt**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### US corporate bonds – High Yield

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)







# **Flows: EUR Fixed Income**

# Funds and ETF flows (US - EU domiciled in EUR)

Cumulative flows over 4 weeks Cumulative daily flows between 10/03/2023 and 16/03/2023 in Funds and ETFs (US or EU domiciled, in EUR)

		Asset Class	0.1.1N.4	1-week cumulative daily flows (EUR M)					
Corporate			AUM (EUR Bn)	Total	Total	Eu	rope	US	
				TOLAI	(%)	ETP	Fund	ETP	Fund
Govt		Aggregate	302	220	0.07 %	-91	311	0	0
		Govt	145	696	0.48 %	623	73	0	0
	1 B B B B B B B B B B B B B B B B B B B	Inflation	13	-196	-1.56 %	-59	-137	0	0
Flexible		Corporate	248	379	0.15 %	296	83	0	0
		High Yield	52	-300	-0.58 %	-228	-72	0	0
High Yield		Flexible	52	-82	-0.16 %	-0	-82	0	0
riigh fiold		Others	2	2	0.15 %	0	2	0	0
		Total	812	719	0.01 %	540	178	0	0
Inflation									
	-								

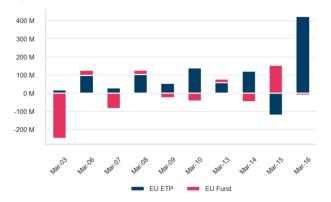
### **EUR sovereign bonds**

0

Aggregate

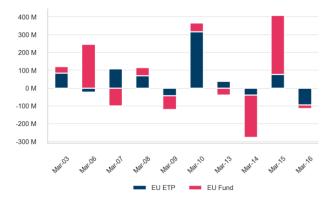
Daily flows in Funds and ETFs (US - EU domiciled, in EUR)

2



### **EUR corporate bonds**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



Source: Morningstar, Amundi. Fund flows as at 16/03/2023. Past performance is not a reliable indicator of future returns.

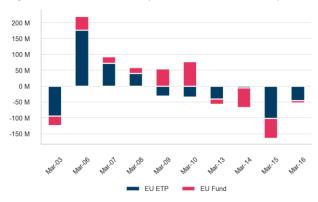
# EUR bonds: aggregate

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### EUR high yield bonds

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)





Find us online amundietf.com

# **Flows: USD Fixed Income**

### Flow recap: Funds and ETF flows (US - EU domiciled in EUR)

Cumulative flows over 4 weeks Cumulative daily flows between 10/03/2023 and 16/03/2023 in Funds and ETFs (US or EU domiciled, in EUR)

		AUM		1-week	cumulative	e daily flows	(EUR M)	
pregate	<ul> <li>Asset Class</li> </ul>	(EUR Bn)	Total	Total	Europe		US	
			Total	(%)	ETP	Fund	ETP	Fund
Govt	Aggregate	2,624	-3,380	-0.13 %	9	133	1,431	-4,952
	Govt	481	5,392	1.12 %	209	188	5,062	-66
	Inflation	197	-386	-0.20 %	-289	-7	-81	-9
orate	Corporate	228	707	0.31 %	277	-153	969	-387
	High Yield	323	-2,044	-0.63 %	-258	-310	-889	-586
tion	Munis	805	-798	-0.10 %	0	0	-8	-790
	Others	291	-2,689	-0.92 %	-352	64	-720	-1,681
	Total	4,950	-3,197	-0.04 %	-404	-86	5,763	-8,470
/unis								

### USD bonds: treasury

0

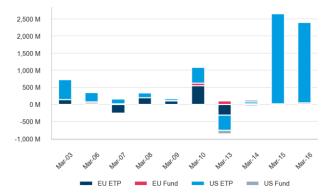
High Yield

-10

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)

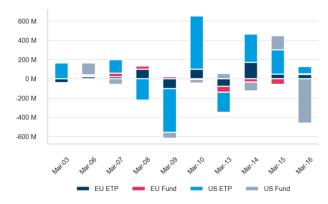
15

10



### **USD** corporate bonds

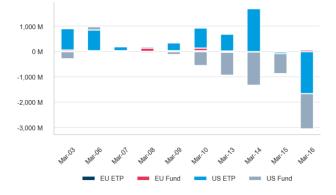
Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



Source: Morningstar, Amundi. Fund flows as at 16/03/2023. Past performance is not a reliable indicator of future returns.

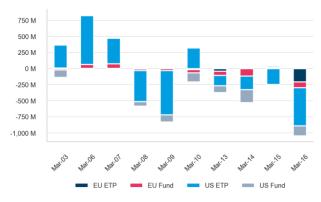
### **USD bonds: aggregate**

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)



### USD high yield bonds

Daily flows in Funds and ETFs (US - EU domiciled, in EUR)







# **Multi-Asset Performance**

We show here a quick snapshot of the performance of a simplified multi-asset portfolio.

### Bloomberg Global 60% Equity - 40% Fixed Income

Bloomberg Global EQ:FI 60:40 Index is designed to measure cross-asset market performance globally. The index rebalances monthly to 60% equities and 40% fixed income. The equities and fixed income are represented by Bloomberg Developed Markets Large & Mid Cap Total Return Index (DMTR) and Bloomberg Global Aggregate Index (LEGATRUU) respectively.



(in USD and %)	Portfolio
CAGR	-7.60
Sharpe Ratio	-0.56
Volatility (annualised)	13.67
Max DD	-19.85
Week to Date	-0.65
Month to Date	0.06
Quarter to Date	2.76
Year to Date	2.76
1 Year	-7.60
Since 01/04/2015 (annualised)	-7.60

- Bloomberg Global EQ:FI 60:40

MSCI World

Bloomberg Global-Aggregate

### Bloomberg Eurozone 60% Equity - 40% Fixed Income

Bloomberg Eurozone EQ:FI 60:40 Index is designed to measure cross-asset market performance. The index rebalances monthly to 60% equities and 40% fixed income. The equities and fixed income are represented by Bloomberg Eurozone Developed Markets Large & Mid Cap Total Return Index (EURODT) and Bloomberg Euro-Aggregate Index (LBEATREU) respectively.



(in EUR and %)	Portfolio
CAGR	-1.18
Sharpe Ratio	-0.10
Volatility (annualised)	12.31
Max DD	-14.82
Week to Date	-1.32
Month to Date	-1.16
Quarter to Date	5.77
Year to Date	5.77
1 Year	-1.18
Since 01/04/2015 (annualised)	-1.18

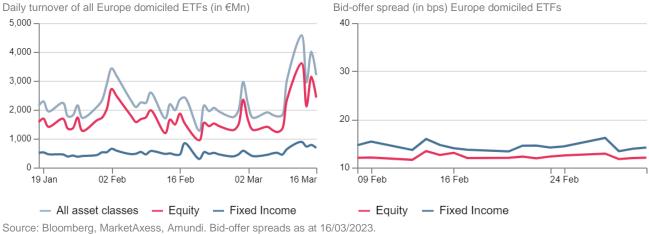
Source: Bloomberg, Amundi. Data from 16/03/2022 to 16/03/2023. This historical simulation has been calculated gross of management fees and transactions cost. Past performance is not indicative of future performance.





# Liquidity

# **ETF Market**



Source: Bloomberg, MarketAxess, Amundi. Bid-offer spreads as at 16/03/2023 Past performance is not a reliable indicator of future returns.





### **Knowing your risk**

It is important for potential investors to evaluate the risks described below and in the fund's Key Investor Document ("KID") or Key Investor Information Document ("KIID") for UK investors and prospectus available on our websites <u>www.amundietf.com</u>.

### **CAPITAL AT RISK**

ETFs are tracking instruments. Their risk profile is similar to a direct investment in the underlying index. Investors' capital is fully at risk and investors may not get back the amount originally invested.

### **UNDERLYING RISK**

The underlying index of an ETF may be complex and volatile. For example, ETFs exposed to Emerging Markets carry a greater risk of potential loss than investment in Developed Markets as they are exposed to a wide range of unpredictable Emerging Market risks.

### **REPLICATION RISK**

The fund's objectives might not be reached due to unexpected events on the underlying markets which will impact the index calculation and the efficient fund replication.

### **COUNTERPARTY RISK**

Investors are exposed to risks resulting from the use of an OTC swap (over-the-counter) or securities lending with the respective counterparty(-ies). Counterparty(ies) are credit institution(s) whose name(s) can be found on the fund's website amundietf.com. In line with the UCITS guidelines, the exposure to the counterparty cannot exceed 10% of the total assets of the fund.

### **CURRENCY RISK**

An ETF may be exposed to currency risk if the ETF is denominated in a currency different to that of the underlying index securities it is tracking. This means that exchange rate fluctuations could have a negative or positive effect on returns.

### LIQUIDITY RISK

There is a risk associated with the markets to which the ETF is exposed. The price and the value of investments are linked to the liquidity risk of the underlying index components. Investments can go up or down. In addition, on the secondary market liquidity is provided by registered market makers on the respective stock exchange where the ETF is listed. On exchange, liquidity may be limited as a result of a suspension in the underlying market represented by the underlying index tracked by the ETF; a failure in the systems of one of the relevant stock exchanges, or other market-maker systems; or an abnormal trading situation or event.

### **VOLATILITY RISK**

The ETF is exposed to changes in the volatility patterns of the underlying index relevant markets. The ETF value can change rapidly and unpredictably, and potentially move in a large magnitude, up or down.

### **CONCENTRATION RISK**

Thematic ETFs select stocks or bonds for their portfolio from the original benchmark index. Where selection rules are extensive, it can lead to a more concentrated portfolio where risk is spread over fewer stocks than the original benchmark.

This document is for the exclusive use of investors acting on their own account and categorised either as "Eligible Counterparties" or "Professional Clients" within the meaning of Markets in Financial Instruments Directive 2014/65/EU. This document is reserved and must be given in Switzerland exclusively to Qualified Investors as defined by the Swiss Collective Investment Scheme Act of 23 June 2006 (as amended from time to time, CISA).



### Important information

This material is solely for the attention of professional and eligible counterparties, as defined in Directive MIF 2014/65/UE of the European Parliament acting solely and exclusively on their own account. It is not directed at retail clients. In Switzerland, it is solely for the attention of qualified investors within the meaning of Article 10 paragraph 3 a), b), c) and d) of the Federal Act on Collective Investment Scheme of June 23, 2006.

This information is not for distribution and does not constitute an offer to sell or the solicitation of any offer to buy any securities or services in the United States or in any of its territories or possessions subject to its jurisdiction to or for the benefit of any U.S. Person (as defined in the prospectus of the Funds or in the legal mentions section on www.amundi.com and www.amundietf.com. The Funds have not been registered in the United States under the Investment Company Act of 1940 and units/shares of the Funds are not registered in the United States under the Securities Act of 1933.

This material reflects the views and opinions of the individual authors at this date and in no way the official position or advices of any kind of these authors or of Amundi Asset Management nor any of her subsidiaries and thus does not engage the responsibility of Amundi Asset Management nor any of her subsidiaries nor of any of its officers or employees. This research is not an offer to sell or the solicitation of an offer to buy any security in any jurisdiction where such an offer or solicitation would be illegal. It is explicitly stated that this document has not been prepared by reference to the regulatory requirements that seek to promote independent financial analysis. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Neither Amundi Asset Management nor any of her subsidiaries accept liability, whether direct or indirect, that may result from using any information contained in this document or from any decision taken the basis of the information contained in this document. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and principal trading desks that reflect opinions that are contrary to the opinions expressed in this research. Our asset management area, principal trading desks and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

This document is of a commercial nature. The funds described in this document (the "Funds") may not be available to all investors and may not be registered for public distribution with the relevant authorities in all countries. It is each investor's responsibility to ascertain that they are authorised to subscribe, or invest into this product. Prior to investing in the product, investors should seek independent financial, tax, accounting and legal advice.

This is a promotional and non-contractual information which should not be regarded as an investment advice or an investment recommendation, a solicitation of an investment, an offer or a purchase, from Amundi Asset Management ("Amundi") nor any of her subsidiaries.

The Funds are Amundi UCITS ETFs. The Funds can either be denominated as "Amundi ETF" or "Lyxor ETF". Amundi ETF designates the ETF business of Amundi.

The Funds are French, Luxembourg or Irish open ended mutual investment funds respectively approved by the French Autorité des Marchés Financiers, the Luxembourg Commission de Surveillance du Secteur Financier or the Central Bank of Ireland, and authorised for marketing of their units or shares in various European countries (the Marketing Countries) pursuant to the article 93 of the 2009/65/EC Directive. The Funds can be French Fonds Communs de Placement (FCPs) and also be sub-funds of the following umbrella structures: For Amundi ETF:

 - Amundi Index Solutions, Luxembourg SICAV, RCS B206810, located 5, allée Scheffer, L-2520, managed by Amundi Luxembourg S.A.

- Amundi ETF ICAV: open-ended umbrella Irish collective asset-management vehicle established under the laws of Ireland and authorized for public distribution by the Central Bank of Ireland. The management company of the Fund is Amundi Ireland Limited, 1 George's Quay Plaza, George's Quay, Dublin 2, D02 V002, Ireland. Amundi Ireland Limited is authorised and regulated by the Central Bank of Ireland

For Lyxor ETF: - Multi Units France, French SICAV, RCS 441 298 163, located 91-93, boulevard Pasteur, 75015 Paris, France, managed by Amundi Asset Management - Multi Units Luxembourg, RCS B115129 and Lyxor Index Fund, RCS B117500, both Luxembourg SICAV located 9, rue de Bitbourg, L-1273 Luxembourg, and managed by Amundi Asset Management

 Lyxor SICAV, Luxembourg SICAV, RCS B140772, located 5, Allée Scheffer, L-2520 Luxembourg, managed by Amundi Luxembourg S.A. Before any subscriptions, the potential investor must read the offering documents (KID or KIID for UK investors and prospectus) of the Funds. The prospectus in French for French UCITS ETFs, and in English for Luxembourg UCITS ETFs and Irish UCITS ETFs, and the KID or KIID for UK investors in the local languages of the Marketing Countries are available free of charge on www.amundi.com, www.amundi.ie or www.amundietf.com. They are also available from the headquarters of Amundi Luxembourg S.A. (as the management company of Amundi Index Solutions and Lyxor SICAV), or the headquarters of Amundi Asset Management (as the management company of Amundi Luxembourg, Multi Units France and Lyxor Index Fund), or at the headquarters of Amundi Ireland Limited (as the management company of Amundi ETF ICAV).

Investment in a fund carries a substantial degree of risk (i.e. risks are detailed in the KID or KIID for UK investors and prospectus). Past Performance does not predict future returns. Investment return and the principal value of an investment in funds or other investment product may go up or down and may result in the loss of the amount originally invested. All investors should seek professional advice prior to any investment decision, in order to determine the risks associated with the investment and its suitability.

It is the investor's responsibility to make sure his/her investment is in compliance with the applicable laws she/he depends on, and to check if this investment is matching his/her investment objective with his/her patrimonial situation (including tax aspects).

Please note that the management companies of the Funds may de-notify arrangements made for marketing as regards units/shares of the Fund in a Member State of the EU in respect of which it has made a notification.

A summary of information about investors' rights and collective redress mechanisms can be found in English on the regulatory page at https://about.amundi.com/Metanav-Footer/Footer/Quick-Links/Legal-documentation with respect to Amundi ETFs.

This document was not reviewed, stamped or approved by any financial authority.

This document is not intended for and no reliance can be placed on this document by persons falling outside of these categories in the below mentioned jurisdictions. In jurisdictions other than those specified below, this document is for the sole use of the professional clients and intermediaries to whom it is addressed. It is not to be distributed to the public or to other third parties and the use of the information provided by anyone other than the addressee is not authorised.

This material is based on sources that Amundi and/or any of her subsidiaries consider to be reliable at the time of publication. Data, opinions and analysis may be changed without notice. Amundi and/or any of her subsidiaries accept no liability whatsoever, whether direct or indirect, that may arise from the use of information contained in this material. Amundi and/or any of her subsidiaries can in no way be held responsible for any decision or investment made on the basis of information contained in this material.

Updated composition of the product's investment portfolio is available on www.amundietf.com. Units of a specific UCITS ETF managed by an asset manager and purchased on the secondary market cannot usually be sold directly back to the asset manager itself. Investors must buy and sell units on a secondary market with the assistance of an intermediary (e.g. a stockbroker) and may incur fees for doing so. In addition, investors may pay more than the current net asset value when buying units and may receive less than the current net asset value when selling them.

Indices and the related trademarks used in this document are the intellectual property of index sponsors and/or its licensors. The indices are used under license from index sponsors. The Funds based on the indices are in no way sponsored, endorsed, sold or promoted by index sponsors and/or its licensors and neither index sponsors nor its licensors shall have any liability with respect thereto.

The indices referred to herein (the "Index" or the "Indices") are neither sponsored, approved or sold by Amundi nor any of her subsidiaries. Neither Amundi nor any of her subsidiaries shall assume any responsibility in this respect.

In EEA Member States, the content of this document is approved by Amundi for use with Professional Clients (as defined in EU Directive 2004/39/EC) only and shall not be distributed to the public.

Information reputed exact as of the date mentioned above.

Reproduction prohibited without the written consent of Amundi.

### FRANCE

Some information may constitute a general investment recommendation as defined in the article 3. (35) of 596/2014/UE regulation. This material has not been produced with the aim at promoting the independency of financial analysis, and Amundi, as an investment services provider, has no restriction in negotiating any financial instruments described in this material before its issue. The prospectus in French for French UCITS ETFs, and in English for Luxembourg UCITS ETFs and Irish ETFs, and the KIID in French are available free of charge on www.amundi.com, www.amundietf.com or lyxoreff.com. They are also available from the headquarters of Amundi Luxembourg S.A. (as the management company of Amundi Index Solutions and Lyxor SICAV), or the headquarters of Amundi Set Management (as the management company of French FCPs, Multi Units Luxembourg, Multi Units France and Lyxor Index Fund), or at the headquarters of Amundi Ireland Limited (as the management company of Amundi ETF ICAV).

For Amundi ETF, the prospectus in English and KIID are available on www.amundietf.com, and free of charge from the "centralisateur" of the Funds which in the case of Amundi Index Solutions SICAV and Amundi ETF ICAV, is CACEIS Bank SA, 1-3 place Valhubert, 75013 Paris, France.

For Lyxor ETF, the prospectus in English and KIID are available free of charge from:

- Lyxor International Asset Management, 91-93 boulevard Pasteur, 75015
 Paris, France – société par actions simplifiée – registered under number 419
 223 375 with RCS of Paris (management company of Multi Units France, Multi Units Luxembourg and Lyxor Index), or

- Lyxor Funds Solutions, 5, Allée Scheffer, L-2520 Luxembourg – registered under number B139351 with the RCS of Luxembourg (management company of Lyxor SICAV)

Reservation thresholds are set by applying a percentage variation, indicated in the prospectus of the Funds mentioned in this Document, on either side of the Indicative Net Asset Value or "NAV" of these Funds, published by Euronext Paris SA and updated as estimates during the stock exchange trading session based on the variation in the index of each of the Funds indicated in this document. The Market Maker ensures that the market price of the Funds units does not deviate more than the percentage indicated in the prospectus of the Funds mentioned in this Document, and on the other hand from the net asset value of the UCITS, in order to comply with the reservation thresholds set by Euronext Paris SA.

### GERMANY

The Funds are French, Luxembourg or Irish collective investment schemes respectively approved by the French Autorité des Marchés Financiers, the Luxembourg Commission de Surveillance du Secteur Financier or the Central Bank of Ireland.

For Amundi ETF: For additional information on the Funds, a free prospectus may be requested from Amundi Deutschland GmbH, Arnulfstr. 124-126 80636 Munich, Germany (Tel. +49.89.99.226.0). The regulatory documents of the Funds registered for public distribution in Germany are available free of charge on request, and as printed version, from Marcard, Stein & Co. AG, Ballindamm 36, 20095 Hamburg, Germany.

For Lyxor ETF: The regulatory documents of the Funds registered for public distribution in Germany are available free of charge on request, and as printed version, from Lyxor International Asset Management S.A.S. Deutschland (Lyxor Deutschland), Neue Mainzer Strasse 46-50, 60311 Frankfurt am Main, Germany.

#### **UNITED KINGDOM**

In the United Kingdom (the "UK"), this promotion is being issued by Amundi (UK) Limited, 77 Coleman Street, London EC2R 5BJ, UK. Amundi (UK) Limited is authorised and regulated by the Financial Conduct Authority ("FCA") and entered on the FCA's Financial Services Register under number 114503. This may be checked at https://register.fca.org.uk/ and further information of its authorisation is available on request. Past performance is not a guarantee or indication of future results. Each fund and its relevant sub-fund(s) under its respective fund range that is referred to in this promotion (each, a "Fund") is an unregulated collective investment scheme under the Financial Services and Markets Act 2000 (the "FSMA"). This promotion is addressed only to those persons in the UK falling within one or more of the following exemptions from the restrictions in Section 238 FSMA:

- Authorised firms under FSMA and certain other investment professionals falling within article 14 of the FSMA (Promotion of Collective Investment Schemes) (Exemptions) Order 2001, as amended (the "CIS Order") and their directors, officers and employees acting for such entities in relation to investment

- High value entities falling within article 22 CIS Order and their directors, officers and employees acting for such entities in relation to investment;

 Other persons who are in accordance with the Rules of the FCA prior to 1 November 2007 classified as Intermediate Customers or Market Counterparties or on or thereafter classified as Professional Clients or Eligible Counterparties.] The distribution of this promotion to any person in the UK not falling within one of the above categories is not permitted by Amundi (UK) Limited and may contravene FSMA. No person in the UK falling outside those categories should rely or act on it for any purposes whatsoever.] [This promotion is only directed at persons who are Professional Clients (as

[This promotion is only directed at persons who are Professional Clients (as defined in the FCA's Handbook of Rules and Guidance), must not be distributed to the public and must not be relied or acted upon by any other persons for any purposes whatsoever]

Potential investors in the UK should be aware that none of the protections afforded by the UK regulatory system will apply to an investment in a Fund and that compensation will not be available under the UK Financial Services Compensation Scheme.

#### **SPAIN**

The Funds are foreign undertakings for collective investment registered with the CNMV. Luxembourg Funds were approved for public distribution in Luxembourg by the Commission de Surveillance du Secteur Financier of Luxembourg, French Funds were approved by the French Autorité des Marchés Financiers and Irish Funds were approved by the Central Bank of Ireland.

For Amundi ETF:

Amundi ETF Funds approved by the Commission de Surveillance du Secteur Financier are numbered: Amundi Index Solutions (1495). Amundi Index Solutions is a Luxembourg SICAV, RCS B206810, located 5, allée Scheffer, L-2520 Luxembourg.

Amundi ETF Funds approved by the Central Bank of Ireland are numbered: Amundi ETF ICAV. Amundi ETF ICAV is an Irish ICAV located 1 George's Quay Plaza, George's Quay, Dublin 2, D02 V002, Ireland.

French FCPs approved by the Autorités des Marchés Financiers

### For Lyxor ETF:

Lyxor ETF Funds approved by the French Autorité des Marchés Financiers are numbered: Multi Units France (319). Multi Units France is a French SICAV, RCS 441 298 163, located 91-93, boulevard Pasteur, 75015 Paris, France.

Lyxor ETF Funds approved by the Commission de Surveillance du Secteur Financier are numbered:

Multi Units Luxembourg (920), RCS B115129 and Lyxor Index Fund (760), RCS B117500, both located 28-32, place de la Gare, L-1616 Luxembourg, and

Lyxor SICAV, RCS B140772, located 5, Allée Scheffer, L-2520 Luxembourg. Information and documents are available on www.amundi.com, www.amundietf.com or www.lyxoretf.com. They are also available from the headquarters of Amundi Luxembourg S.A. (as the management company of Amundi Index Solutions and Lyxor SICAV), or the headquarters of Amundi Asset Management (as the management company of French FCPs, Multi Units Luxembourg, Multi Units France and Lyxor Index Fund), or at the headquarters of Amundi Ireland Limited (as the management company of Amundi ETF ICAV). Any investment in the Funds must be made through a registered Spanish distributor. Amundi Iberia SGIIC, SAU, is the main distributor of the Funds in Spain, registered with number 31 in the CNMV's SGIIC registry, with address at P<sup>o</sup> de Ia Castellana 1, Madrid 28046, Spain. A list of all Spanish distributors may be obtained from the CNMV at www.cnmv.es. Units/shares may only be acquired on the basis of the most recent prospectus, key investor information document and further current documentation, which may be obtained from the CNMV.

The legal documentation of the Funds is also available on the web page www.amundi.com, www.amundietf.com or www.lyxoretf.com.

#### **AUSTRIA**

For Amundi ETF: The regulatory documentation of the Funds registered for public marketing in Austria are available free of charge, as printed copies, from Société Générale, Vienna Branch, Prinz Eugen Strasse 8, 10/5/Top 11, A-1040 Vienna, Austria, which acts as a paying agent and tax representative, and at www.amundietf.com.

For Lyxor ETF: The regulatory documentation of the Funds registered for public marketing in Austria are available free of charge, as printed copies, from: Erste Bank der Österreichische Sparkassen AG, Am Belvedere 1, A-1100 Vienna, Austria, which acts as a paying agent and tax representative, and at www.lyxoretf.de.

### SWITZERLAND

This document is for qualified investors (as defined in Swiss Federal Act on Collective Investment Schemes of 23 June 2006 as amended or supplemented) use only and shall not be offered to the public.

For Amundi ETF: The Representative and Paying Agent for Funds registered for public offering in Switzerland is for Amundi Index Solutions SICAV and for Amundi ETF ICAV: Representative - CACEIS (Switzerland) SA and Paying Agent, CACEIS Bank, Nyon Branch both at 35 Route de Signy, Case postale 2259, CH-1260 Nyon. Free copies of the prospectus, key investor information documents, annual and semi-annual reports, management regulations and other information are available at the representative's address shown above. For Lyxor ETF: The Representative and the Paying Agent of the Fund(s) in Switzerland is Société Générale, Paris, Zurich Branch, Talacker 50, CH-8001 Zurich. The prospectus or offering memorandum, the key investor information documents, the management regulation, the articles of association and/or any other constitutional documents as well as the annual and semi-annual financial reports may be obtained free of charge from the Representative in Switzerland. The prospectus, the key investor information documents, the articles of association and/or the annual reports may be obtained free of charge from the Representative in Switzerland.

#### SWEDEN

Some of the Funds have been passported into Sweden pursuant to the Swedish Securities Funds Act (as amended) (Sw. lag (2004:46) om värdepappersfonder), implementing the UCITS IV Directive and may accordingly be distributed to Swedish investors. The Key Investor Information Document ("KIID") (in Swedish) and the prospectuses for the funds, as well as the annual and semi-annual reports are also available from the Swedish paying agent free of charge.

For Amundi ETF and Lyxor ETF: The name and details of the Swedish paying agent are Skandinaviska Enskilda Banken AB (publ) through its entity Transaction Banking, SEB Merchant Banking, with its principal offices at Kungsträdgårdsgatan 8, SE-106 40 Stockholm, Sweden.

#### DENMARK

For Amundi ETF: The regulatory documentation of the Funds registered for public marketing in Denmark are available free of charge, as printed copies, from Deloitte Tax & Consulting, established and having its registered office at 20 boulevard Kockelscheuer, L-1821 Luxembourg, which acts as a facilities agent, and at www.amundietf.com For Lyxor ETF: The regulatory documentation of the Funds registered for

public marketing in Denmark are available at www.lyxoretf.com.

#### KOREA

This document is not intended as an offer or solicitation with respect to the purchase or sale of securities, including shares or units of funds. All views expressed and/or reference to companies cannot be construed as a recommendation by Amundi. Opinions and estimates may be changed without notice. To the extent permitted by applicable law, rules, codes and guidelines, Amundi, and her related entities accept no liability whatsoever whether direct or indirect that may arise from the use of information contained in this document.

This document is for distribution solely to persons permitted to receive it and to persons in jurisdictions who may receive it without breaching applicable legal or regulatory requirements. This document is prepared for information only and does not have any regard to the specific investment objectives, financial situation and the particular needs of any specific person who may receive this document. Any person considering an investment should seek independent advice on the suitability or otherwise of the particular investment. Investors should not only base on this document alone to make investment decisions. Investment involves risk. The past performance information of the market, manager and investments and any forecasts on the economy, stock market, bond market or the economic trends of the markets are not indicative of future performance

### AUSTRALIA AND NEW ZEALAND

This document and any accompanying documentation ("Documentation") is provided in Australia and New Zealand by Amundi. Amundi is regulated by the French Autorité des Marchés Financiers ("AMF") under French laws, which differ from Australian laws. Pursuant to instruments issued by the Australian Securities and Investments Commission. Amundi is exempt from the requirement to hold an Australian financial services licence under Australia's Corporations Act 2001 (Cth) in respect of their provision of financial services in Australia.

The material in the Documentation is intended only for use in Australia by wholesale clients within the meaning of Part 7.1 of Australia's Corporations Act 2001 (Cth) and in New Zealand by wholesale investors within the meaning of clause 3(2) of Schedule 1 of New Zealand's Financial Markets Conduct Act 2013 (NZ).

The material in the Documentation is not intended to amount to investment, legal. tax or other advice or a recommendation to invest. To the extent that any of the material in the Documentation is financial product advice, it is general advice only and does not take into account the objectives, financial situation or needs of any person. Before acting on any of the material, a person should therefore conduct their own assessment of this material with regard to their own situation, and obtain such advice as they consider necessary or appropriate. Whilst every effort is made to ensure the information in this document is accurate, its accuracy, reliability and completeness are not guaranteed.

This material may include forward-looking statements, which are not guarantees or predictions of future performance. Any forward-looking statements contained in this material involve known and unknown risks, uncertainties and assumptions and other important factors which may cause actual results to differ from those contained in this material. Forward-looking statements, by their very nature, are subject to uncertainty and contingencies many of which are outside the control of Amundi or the Amundi Group

Past performance is not a reliable indication of future performance. Amundi nor any member of entity, guarantees the performance of any product, the repayment of capital, or any specific rate of return.

The Documentation is only available to persons receiving the Documentation in Australia and New Zealand. If a person has accessed the Documentation outside of Australia and New Zealand, they should inform themselves of any securities selling restrictions that may apply in their home country. Nothing in the Documentation constitutes an offer of securities or financial products unless the document is an offer document provided to you expressly for such purpose. The Documentation is not a disclosure document or a product disclosure document for the purposes of the Corporations Act 2001 (Cth) or the Financial Markets Conduct Act 2013 (NZ). The Documentation has not been and will not be lodged with the Australian Securities and Investments Commission (ASIC) or the Registrar of Financial Service Providers and does not contain all the information that a prospectus or a product disclosure statement is required to contain

### HONG KONG AND SINGAPORE

This publication is issued by Amundi Asset Management ("Amundi") for information purposes only. The information is provided for institutional investors Only (as defined in Section 4A of the Securities and Futures Act 2001 of Singapore)(including Distributors and Financial Advisors which are institutional investors), and is not intended for and should not be provided to the public in Hong Kong and/or Singapore. It is accurate as of 30/12/2022 and is subject to changes without prior notice. While reasonable care has been taken to ensure that the information contained herein is not untrue or misleading at the time of publication, Amundi Asset Management makes no representation as to its accuracy or completeness. This advertisement shall not be taken as an offer, a solicitation, recommendation or an advice by Amundi and/or its affiliated companies to buy or sell any financial instruments or any investment product, enter into any such transactions described herein or to provide investment advice. Investments involve risks, including possible loss of principal. Investors should seek professional advice before investing. Past performance is not a guarantee or indication of future results. Amundi and/or its affiliated companies accepts no liability whatsoever, whether direct or indirect, that may arise from the use of information contained in this advertisement. This advertisement is not intended for citizens or residents of the United States of America or to any "U.S. Person", as this term is defined in the SEC Regulations S under the U.S. Securities Act of 1933. This (advertisement / publication) has not been reviewed by the Monetary Authority of Singapore (the "MAS"). This advertisement and the websites have not been reviewed by the Securities and Futures Commission in Hong Kong (the "SFC"). The websites may unauthorized funds and schemes contain which authorized/recognised by the SFC and/or MAS and not available to the public of Hong Kong and/or Singapore. This is a marketing communication.

Accordingly, this document and any other document or materials (including but not limited to the information memorandum) in connection with the offer or sale, or invitation for subscription or purchase, of the shares / units may not be circulated or distributed, nor may the relevant shares / units be offered or sold, or be made the subject of an invitation for subscription or purchase, whether directly or indirectly, to persons in Singapore other than under an exemption provided under the SFA (i) to an institutional investor (as defined in Section 4A of the SFA) pursuant to Section 304 of the SFA or (ii) otherwise pursuant to, and in accordance with the conditions of, any other applicable provision of the SFA. This document has not been submitted for regulatory approval and is solely for issue in permitted jurisdictions and to persons who may receive it without breaching applicable legal or regulatory requirements. The information contained in this document is confidential and shall not, without prior written approval of Amundi, be copied, reproduced, modified, or distributed, to any third person or entity in any country. By accepting receipt of this document and accessing any website, a person (within the meaning of Singapore law) in Singapore represents or warrants that person is entitled to receive such document and access such websites in accordance with the restrictions set forth above and agrees to be bound by the limitations contained herein.

It is the responsibility of investors to read the legal documents in force in particular the current offering documents of any funds. Subscriptions in any funds will only be accepted on the basis of their latest offering documents available in English. A summary of information about investors' rights and collective redress mechanisms can be found in English on the regulatory page at <a href="https://about.amundi.com/Metanav-Footer/Pooter/Quick-Links/Legal-documentation">https://about.amundi.com/Metanav-Footer/Quick-Links/Legal-documentation</a>.

Information on sustainability-related aspects (if applicable) can be found at <u>https://about.amundi.com/Metanav-Footer/Footer/Quick-Links/Legal-</u> documentation.

Amundi does not accept any liability whatsoever whether direct or indirect that may arise from the use of information and/or links contained in this publication.

This document and the other offering documents (including but not limited to the information memorandum) of each fund is not a prospectus as defined in the SFA and, accordingly, statutory liability under the SFA in relation to the content of prospectuses does not apply, and the offeree / an investor should consider carefully whether the investment is suitable for him. The Monetary Authority of Singapore assumes no responsibility for the contents of this document.

Confidence must be earned Amundi