

# STRATEGY WEEKLY

Document intended for professional clients

18 March 2019 /// n°9-2019

# Fed puts an end to normalisation

### **Key Points**

- Equity markets upbeat ahead of FOMC, dollar slides
- Fed: status quo on rates and balance sheet contraction to end by year-end
- Brexit: May's last hand
- Sharp spread tightening in euro credit markets
- Portugal's rating upgraded to BBB (S&P)

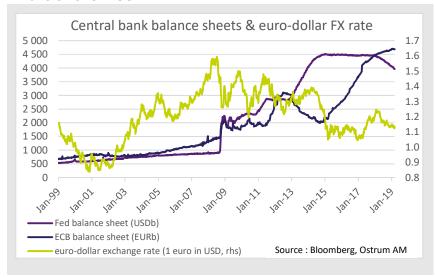
The Fed is likely to announce the end of balance sheet normalization this week. Cheaper US dollar benefitted a broad range of risky assets. Indeed, the Fed's jawboning has also led to much lower volatility.

The main equity indices were up about 2% last week. Europe gained 13% so far in 2019. Shanghai posted even larger returns with a 24% gain year to date. Corporate credit markets have recouped earlier underperformance against sovereign bonds. Euro IG bond spreads narrowed 8bp last week to 123bp. Meanwhile high yield spreads shrank by as much as 19bp. Financials' bonds also erased earlier doubts about ECB easing measures as bank stocks

bounced by 4.4% from a week ago. Emerging debt is supported by dollar depreciation and higher commodity prices. USD-denominated spreads dipped below the 350bp mark. The rise in oil prices also benefitted inflation-linked bonds. Breakeven inflation at 10-year maturities are back near 2%.

Dollar weakness reflects investor positioning before the FOMC. The euro-dollar bounced by about 1% to \$1.135. In turn, the BoJ's accommodative policy prevents yen from strengthening. Sterling is an enigma. The British pound is trading above \$1.325.

#### Chart of the week



Monetary policy is a key determinant of exchange rates. Higher money supply tends to lower the exchange rate.

The reversal in euro-dollar value in 2018 is arguably traceable to divergent Fed and ECB policies.

Balance sheet normalization may stop in 2019. Furthermore, lower demand at upcoming TLTRO-III would reduce ECB asset holdings. These two elements may lead to a stronger euro towards yearend.



#### FOMC: the end of normalisation

The Fed raised interest rates by a total of 225bp since December 2015. In parallel, the Fed gradually ceased to reinvest the proceeds from its portfolio of Treasury bonds and mortgage-backed securities built since the 2008 crisis. The Fed seems to consider that the size of its asset holdings is close to the optimal level to manage cyclical and financial risks. Jerome Powell indeed recently suggested a target size of 16-17% of US nominal GDP. This would correspond to asset holdings of \$3.450T, or just about 500b under current balance sheet size. Assuming an unchanged pace of reduction (\$50b per month), the objective could be reached by year-end 2019. The end of monetary normalisation spells a prolonged status quo on interest rates if the Federal Reserve wishes to avoid inverting the yield curve, which would hit bank margins.

On the economic front, a soft patch in growth in 1q19 argues for a pause. Activity may have expanded modestly due to weaker consumer demand for durable goods and a negative contribution from trade. Delays in tax refunds, protectionism and government shutdown took a toll on activity through January-February. Hence 1"%qa growth appears likely in the three months to March. Elevated confidence surveys, strong corporate investment spending and continued employment gains suggest a pickup in the coming months but the Fed is unlikely to take a chance and potentially derail the market rally with a more restrictive tone

#### The Fed blows up valuation

In this context, a long duration stance is recommended in US bond portfolios. Steepening exposure is maintained in the 10s30s segment. The corollary of the end of normalisation is a lower dollar which is a boon for a broad range of risky assets. Breakeven inflation rates with 10-year maturities have increased to just under 2% despite February CPI coming in below expectations at 1.5%y. residual impact from lower energy prices in 4q18 is still visible in utilities prices (gas, electricity) may fade in the coming months. Emerging debt greatly benefits from a lower dollar. Emerging spreads now stands under the 350bp threshold. All emerging sovereign issuers enjoy more favourable borrowing terms.

US equity markets shrug off declining earnings in the first quarter across all sectors but telecommunication services. Markets seem to be pricing in a swift solution to the current China-US trade conflict. However, there has been little improvement so far. Stocks most exposed to foreign markets keep outperforming stocks with a larger domestic revenue exposure. Valuations

metrics have risen again, which may reflect excess optimism. Double-digit returns and low volatility may argue for portfolio hedging. Price-earnings ratios based on 2019 EPS hover about 16.5x. Furthermore, implied volatility skew has collapsed. Such market backdrop is reminiscent of positioning ahead of the January 2018 volatility spike and price correction.

#### **Euro credit strongly outperforms**

In the euro area, the ECB sparked buying of peripheral sovereign debt by announcing a new round of TLTRO-III. In parallel, Portugal's rating upgrade to BBBu by S&P reflects improving economic backdrop and sound public finances. Portugal spreads with 10-year maturities broke below the 120bp mark. More surprisingly, Moody's left Italy's sovereign rating outlook unchanged, which also spurred buying of BTPs (235bp). The yield on Bunds (0.08%) keeps pointing south, which contributes to the broad flattening pressure (2s10s notably).

The most notable development in euro fixed income markets pertains to corporate credit. Investment flows into credit funds have accelerated in the past few weeks. Hence, cash credit has erased the bulk of its recent underperformance vs. sovereign bonds and CDS indices. The average spread on euro IG bonds is 29bp narrower now than at the start of the year. Financials' debt participated to the rally after some hesitation as markets digested new ECB policy measures. The rebound in Tier 1 is quite impressive indeed. Subordinated bet and Tier 1 are up about 5.6% year-to-date. High yield spreads also came in (-19bp) and now trade near 405bp over German risk-free rates following on from the sharp rally in iTraxx XO (-15bp to 270bp).

European equities continue heading higher after a strong start of year. So far in 2019, the main European equity gauges recorded surprising double-digit gains (+12-15%) in the context of an economic slowdown. Cheap valuations may have played a role in sparking a turnaround but it may be fair to say that political and cyclical risks are being ignored. European equities are trading above 12x 2019 earnings. As is the case in the US, implied volatility skew to the upside indicates bullish sentiment, which would turn out to be overly optimistic.

Lastly, the Brexit deal agreed with the other 27 EU member states will be put to vote in the UK Parliament for the third time this year. If approved, Brexit will take place on June 30<sup>th</sup>. In contrast, another rejection of the deal would reopen Pandora's box with possible new elections, new referendum...



## **Main Market Indicators**

G4 Government Bonds	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
EUR Bunds 2y	-0.53 %	+1	+4	+8
EUR Bunds 10y	0.08%	+1	-3	-16
EUR Bunds 2s10s	61 bp	+1	-6	-24
USD Treasuries 2y	2.45 %	-2	-6	-3
USD Treasuries 10y	2.6 %	-4	-6	-8
USD Treasuries 2s10s	15 bp	-2	0	-5
GBP Gilt 10y	1.2 %	+2	+3	-8
JPY JGB 10y	-0.04 %	0	-1	-4
€ Sovereign Spreads (10y)	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
France	37 bp	+3	-6	-10
Italy	237 bp	-12	-28	-13
Spain	108 bp	-1	-4	-10
Inflation Break-evens (10y)	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
EUR OATi	102 bp	+6	+9	+3
USD TIPS	196 bp	+5	+9	+24
GBP Gilt Index-Linked	314 bp	-1	-1	-3
EUR Credit Indices	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
EUR Corporate Credit OAS	123 bp	-8	-13	-29
EUR Agencies OAS	54 bp	-1	-6	-6
EUR Securitized - Covered OAS	53 bp	-1	-8	-10
EUR Pan-European High Yield OAS	405 bp	-19	-41	-108
In poun ingli ficia OAO	100 pp	10		
EUR/USD CDS Indices 5y	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
·	<u> </u>			
EUR/USD CDS Indices 5y	18-Mar-19	-1w k (bp)	-1m (bp)	Ytd (bp)
EUR/USD CDS Indices 5y iTraxx IG	18-Mar-19 59 bp	-1w k (bp)	-1m (bp)	Ytd (bp) -29
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover	18-Mar-19 59 bp 267 bp	-1w k (bp) -4 -17	-1m (bp) -9 -29	Ytd (bp) -29 -86
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield	18-Mar-19 59 bp 267 bp 57 bp	-1w k (bp)  -4  -17  -4	-1m (bp) -9 -29 -5	Ytd (bp) -29 -86 -30
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield	18-Mar-19 59 bp 267 bp 57 bp 340 bp	-1w k (bp)  -4  -17  -4  -14	-1m (bp) -9 -29 -5 -6	Ytd (bp) -29 -86 -30 -110
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)	-1m (bp) -9 -29 -5 -6 -1m (bp)	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)	-1m (bp) -9 -29 -5 -6 -1m (bp)	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%)	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57	-1m (bp)  -9  -29  -5  -6  -1m (bp)  -11  -1m (%)  +0.13  +2.27	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19	-1m (bp)  -9  -29  -5  -6  -1m (bp)  -11  -1m (%)  +0.13  +2.27  -0.78	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m (\$)	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9	-1m (bp)  -9  -29  -5  -6  -1m (bp)  -11  -1m (%)  +0.13  +2.27  -0.78  -1m (\$)  \$1.0	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m(\$) \$1.0 -\$25.1	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold  Equity Market Indices	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5 18-Mar-19	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4  -1w k (%)	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m (\$) \$1.0 -\$25.1 -1m (%)	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9  Ytd (%)
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold  Equity Market Indices  S&P 500	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5 18-Mar-19 2 829	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4  -1w k (%)  1.63	-1m (bp)  -9  -29  -5  -6  -1m (bp)  -11  -1m (%)  +0.13  +2.27  -0.78  -1m(\$)  \$1.0  -\$25.1  -1m (%)  1.92	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9  Ytd (%)  12.84
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold  Equity Market Indices  S&P 500  EuroStoxx 50	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5 18-Mar-19 2 829 3 388	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4  -1w k (%)  1.63  2.53	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m (\$) \$1.0 -\$25.1 -1m (%) 1.92 4.41	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9  Ytd (%)  12.84  12.88
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold  Equity Market Indices  S&P 500  EuroStoxx 50  CAC 40	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5 18-Mar-19 2 829 3 388 5 413	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4  -1w k (%)  1.63  2.53  2.79	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m (\$) \$1.0 -\$25.1 -1m (%) 1.92 4.41 4.73	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9  Ytd (%)  12.84  12.88  14.42
EUR/USD CDS Indices 5y  iTraxx IG  iTraxx Crossover  CDX IG  CDX High Yield  Emerging Markets  JPM EMBI Global Div. Spread  Currencies  EUR/USD  GBP/USD  USD/JPY  Commodity Futures  Crude Brent  Gold  Equity Market Indices  S&P 500  EuroStoxx 50  CAC 40  Nikkei 225	18-Mar-19 59 bp 267 bp 57 bp 340 bp 18-Mar-19 346 bp 18-Mar-19 \$1.133 \$1.322 ¥111.43 18-Mar-19 \$67.5 \$1 301.5 18-Mar-19 2 829 3 388 5 413 21 585	-1w k (bp)  -4  -17  -4  -14  -1w k (bp)  -11  -1w k (%)  +0.75  +0.57  -0.19  -1w k (\$)  \$0.9  \$10.4  -1w k (%)  1.63  2.53  2.79  2.17	-1m (bp) -9 -29 -5 -6 -1m (bp) -11 -1m (%) +0.13 +2.27 -0.78 -1m (\$) \$1.0 -\$25.1 -1m (%) 1.92 4.41 4.73 1.32	Ytd (bp)  -29  -86  -30  -110  Ytd (bp)  -69  Ytd (%)  -1.1  +3.72  -1.59  Ytd (\$)  \$13.2  \$19.9  Ytd (%)  12.84  12.88  14.42  7.84



## Writing



**AXEL BOTTE** STRATEGIST axel.botte@ostrum.com

#### Legal information

This document is intended for professional clients in accordance with MIFID. It may not be used for any purpose other than that for which it was conceived and may not be copied, distributed or communicated to third parties, in part or in whole, without the prior written authorization of Ostrum Asset Management.

None of the information contained in this document should be interpreted as having any contractual value. This document is produced purely for the purposes of providing indicative information. This document consists of a presentation created and prepared by Ostrum Asset Management based on sources it considers to be reliable. Ostrum Asset Management reserves the right to modify the information presented in this document at any time without notice, and in particular anything relating to the description of the investment process, which under no circumstances constitutes a commitment from Ostrum Asset Management

Asset Management.

Ostrum Asset Management will not be held responsible for any decision taken or not taken on the basis of the information contained in this document, nor in the use that a third party might make of the information.

Figures mentioned refer to previous years. Past performance does not guarantee future results. Any reference to a ranking, a rating or an award provides no guarantee for future performance and is not constant over time. Reference to a ranking and/or an award does not indicate the future performance of the UCITS/AIF or the fund manager.

Under Ostrum Asset Management's social responsibility policy, and in a coordance with the treaties signed by the French government, the funds directly managed by Ostrum Asset Management do not invest in any company that manufactures, sells or stocks anti-personnel mines and cluster bombs.

This material has been provided for information purposes only to investment service providers or other Professional Clients, Qualified or Institutional Investors and, when required by local regulation, only at their written request. This material must not be used with Retail Investors. In the E.U. (outside of the UK and France): Provided by Natikis Investment Managers S.A. or one of its branch offices listed below. Natikis Investment Managers S.A. is a Luxembourg management company

In the E.U. (outside of the UK and France): Provided by Nativis Investment Managers S.A. or one of its branch offices listed below. Nativis Investment Managers S.A. is a Luxembourg management company that is authorized by the Commission de Surviellance du Secteur Financier and is incorporated under Luxembourg laws and registered under n. B 1158493. Registered office of Nativis Investment Managers S.A. 2. rue Jean Monnet, L-2180 Luxembourg, Iran Luxembourg, Iran

GP 90-009, and a public limited company (societé anonyme) registered in tine rans trade and companies register in time rans trade and companies register in the Unix Police (Provided by Nativis Investment Managers Switzerland or its representative office in Zurich, Schweizergasse 6, 8001 Zürich.

In the U.K. Provided by Nativis Investment Managers UK Limited which is authorised and regulated by the UK Financial Conduct Authority (register no. 190258). This material is intended to be communicated to and/or directed at persons (1) in the United Kingdom, and should not to be regarded as an offer to buy or sell, or the solicitation of any offer to buy or sell securities in any other jurisdiction than the United Kingdom, and (2) who are authorised under the Financial Services and Markets Act 2000 (FSMA 2000); or are high net worth businesses with called up share capital or net assets of at least £5 million, or any other persons to whom the material may otherwise lawfully be distributed in accordance with the FSMA 2000 (Financial Promotion) Order 2005 or the FSMA 2000 (Promotion of Collective Investment Schemes) (Exemptions) Order 2005 (file Intended Recipients'). The fund, services or opinions referred to in this material are only available to the Intended Recipients and this material must not be relied nor acted upon by any other persons. Registered Office: Nativis Investment Managers UK Limited, One Carret Lane, London, EC4V SER.

In the DIFC: Provided by Nativis Investment Menagers Middle East (DIFC Branch) which is regulated by the DFSA. Related financial products or services are only available to persons who have sufficient financial experience and understanding to participate in financial markets within the DIFC, and qualify as Professional Clients or Market Counterparties as defined by the DFSA. No other Person should act upon this material. Registered office: Office 603 - Level 6, Currency House Tower 2, PO Box 118257, DIFC, Dubai, United Arab Emirates.

In Japan: Provided by Nativis Investment Managers Signa

Singapore viocous.

In Hong Kong: Provided by Natixis Investment Managers Hong Kong Limited to institutional/ corporate professional investors only.

In Australia: Provided by Natixis Investment Managers Australia Pty Limited (ABN 60 088 786 289) (AFSL No. 246830) and is intended for the general information of financial advisers and wholesale clients

only.

In New Zealand: This document is intended for the general information of New Zealand wholesale investors only and does not constitute financial advice. This is not a regulated offer for the purposes of the Financial Markets Conduct Act 2013 (FMCA) and is only available to New Zealand investors who have certified that they meet the requirements in the FMCA for wholesale investors. Natixis Investment Managers Australia Pty Limited is not a registered financial service provider in New Zealand. In Latin America: Provided by Natixis Investment Managers S.A.

In Uruguay: Provided by Natixis Investment Managers Uruguay S.A., a duly registered investment advisor, authorised and supervised by the Central Bank of Uruguay. Office: San Lucar 1491, oficina 102B, Montevideo, Uruguay, CP 11500. The sale or offer of any units of a fund qualifies as a private placement pursuant to section 2 of Uruguayana law 18,627.

In Colombia: Provided by Natixis Investment Managers S.A. Oficina de Representación (Colombia) to professional clients for informational purposes only as permitted under Decree 2555 of 2010. Any products, services or investments referred to herein are rendered exclusively outside of Colombia. This material does not constitute a public offering in Colombia and is addressed to less than 100 specifically identified investors.

In Mexico: Provided by Natixis IM Mexico, S. de R.L. de C.V., which is not a regulated financial entity or an investment manager in terms of the Mexican Securities Market Law (Ley del Mercado de Valores) and is not registered with the Comisión Nacional Bancaria y de Valores (CNBV) or any other Mexican authority. Any products, services or investments referred to herein that require authorization or license are rendered exclusively outside of Mexico. Natixis Investment Managers is an entity organized under the laws of France and is not authorized by or registered with the CNBV or any other Mexican authority to operate within Mexico as an investment manager in terms of the Mexican Securities Market Law (Ley del Mercado de Valores). Any use of the expression or reference contained herein to "Investment Managers" is made to Natixis Investment Managers, which are also not authorized by or registered with the CNBV or any other Mexican authority to operate within Mexico as investment managerment subsidiaries of Natixis Investment Managers, which are also not authorized by or registered with the CNBV or any other Mexican authority to operate within Mexico as investment managers.

\*\*The Poblicy Referenced entities are business development units of Matixis Investment Managers, the holding company of a diverse line-up of specialised investment management and distribution entities.

The above referenced entitles are business development units of Nativis Investment Managers, the holding company of a diverse line-up of specialised investment management and distribution entitles worldwide. The investment management subsidiaries of Nativis Investment Managers conduct any regulated activities only in and from the jurisdictions in which they are licensed or authorized. Their services and the products they manage are not available to all investors in all jurisdictions. It is the responsibility of each investment service provider to ensure that the offering or sale of fund shares or third party investment services to its clients complies with the relevant national law

Investment services to its clients complies with the relevant national law.

The provision of this material and/or reference to specific securities, sectors, or markets within this material does not constitute investment advice, or a recommendation or an offer to buy or to sell any security, or an offer of any regulated financial activity. Investors should consider the investment objectives, risks and expenses of any investment carefully before investing. The analyses, opinions, and certain of the investment themes and processes referenced herein represent the views of the portfolio manager(s) as of the data indicated. These, as well as the portfolio holdings and characteristics shown, are subject to change. There can be no assurance that developments will transpire as may be forecasted in this material. Past performance information presented is not indicated or such information provided in this material to be reliable, including that from third party sources, it does not guarantee the accuracy, adequacy, or completeness of such information. This material may not be distributed, published, or reproduced, in whole or in part.

All amounts shown are expressed in USD unless otherwise indicated.





#### www.ostrum.com

Ostrum Asset Management

Asset management company regulated by AMF under n° GP-18000014 – Limited company with a share capital of 27 772 359 euros Trade register n°525 192 753 Paris – VAT: FR 93 525 192 753 – Registered Office: 43, avenue Pierre Mendès-France, 75013 Paris – www.ostrum.com Tél.: 01 58 19 09 80



