



**Axel Botte**  
Head of Marketing Strategy  
axel.botte@ostrum.com



**Zouhoure Bousbih**  
Emerging countries strategist  
Zouhoure.bousbih@ostrum.com



**Aline Goupil-Raguénès**  
Developed countries strategist  
Aline.goupil-raguenes@ostrum.com

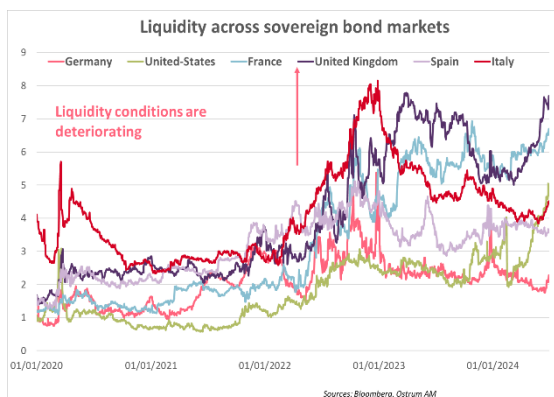
● **Topic of the week: European bonds: Heading towards the risk-free reference asset**  
by Aline Goupil-Raguénès,

- To address climate change, ensure the digitalization of the economy and strengthen its defense, the European Union must make massive investments, totaling more than 5 trillion euros between 2025 and 2031;
- The majority will be funded through private investments, with a significant portion coming from public investments;
- Meeting these common objectives requires the participation of all countries. However, some countries have very limited budgetary leeway;
- The EU bonds must therefore rapidly become the risk-free reference asset within the EU.

● **Market review: A turbulent end to the first half of the year**  
by Axel Botte

- Yields rise as markets await French elections results;
- Some tensions on euro sovereign spreads;
- Breakeven inflation rates ignore the rebound in oil prices to \$86;
- US equities continue to outperform European stocks.

● **Chart of the week**



The main sovereign bond markets are usually highly liquid and most of the time more liquid than other markets during times of stress. This is essential to allow market participants to buy and sell securities easily without causing significant price movements. However, the liquidity of some major bond markets has significantly decreased, as indicated by Bloomberg liquidity indices (an increase in the index signals a decrease in liquidity). This is particularly the case for the United States, the United Kingdom and France. This partly reflects the uncertainty related to central banks, especially the Fed, as well as uncertainty related to upcoming elections in France, the United Kingdom, and the United States, and their implications for fiscal policy.

● **Figure of the week**

**2.2**

The 10-year Chinese bond yield has reached a 22-year low at 2.2%. Investors are anticipating the adoption of a more accommodative monetary policy by the central bank to support growth.  
Source: Bloomberg

- **Topic of the week**

## European bonds: Heading towards the risk-free reference asset

The European Union needs to make massive investments in the coming years to address climate change, ensure the digitalization of the economy and strengthen its defense. While the majority of these investments will be made by the private sector, public financing will have a crucial role to play. In this context, European Union bonds must become the risk-free asset of reference to achieve these objectives.

### Massive investments to be made within the EU

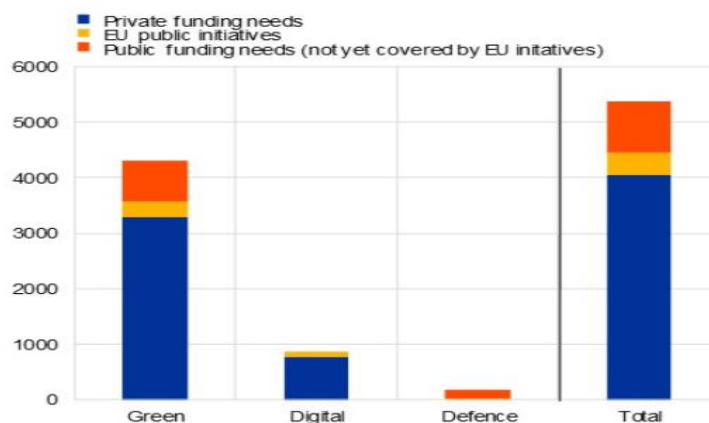
To achieve carbon neutrality by 2050, develop digitalization and increase spending in the defense sector to ensure EU security, in a less collaborative world with increased geopolitical risks, EU investments will need to be much larger than in the past. In a recent article published on its blog, the ECB reviews the estimates of the European Commission and NATO to assess their amount. The additional investments to be made, compared to the historical average, are estimated at 5.4 trillion euros over the period 2025-2031. The majority will be financed by the private sector (in blue on the graph): companies, households, and investors, and a significant portion by the public sector: 1.3 trillion, according to the ECB's estimates.

The European Union needs to invest over 5 additional trillion euros between 2025 and 2031

The financing will be mainly done by the private sector, with a significant portion coming from the public sector (1.3 trillion euros)

On these 1.3 trillion euros, 400 billion euros are available through existing EU financing (in yellow on the graph): the EU budget, the Recovery and Resilience Facility of Next Generation EU, the European Investment Bank, and other funding sources such as InvestEU. This means that there is a shortfall of 900 billion euros in public funding (in red) to meet all of these challenges.

**Additional EU investments required in climate, digital, and defense sectors for 2025-2031 – Billion of euros**



Source: ECB

Given the high uncertainty, the authors apply a margin of +/- 20% to their findings and arrive at an estimate of a public financing requirement ranging from 0.6% to 1% of the EU's GDP per

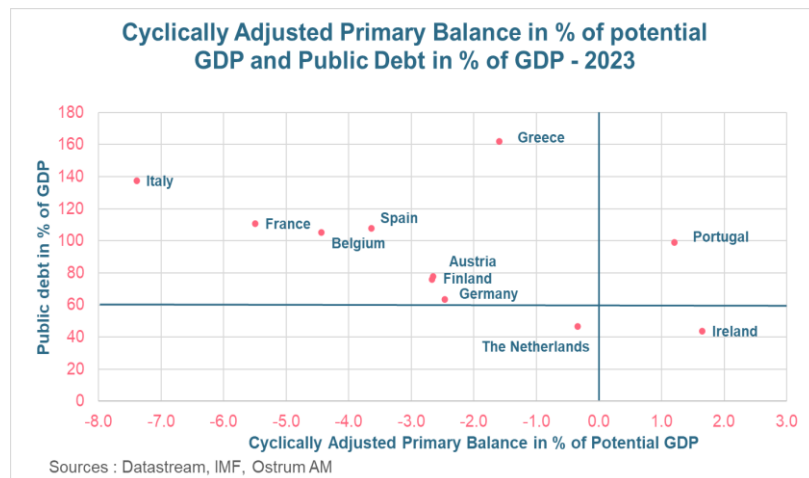
year. These estimates are quite conservative as they do not take into account the investments to be made in the areas of health and education.

## Need for common financing

Meeting these common objectives requires increased investments across all countries

Some countries, however, do not have sufficient budgetary leeway

These public investments can be financed at the national or EU level. Climate and defense challenges are common objectives. If a country fails to achieve them, the situation of the entire EU will be affected. However, the budgetary leeway of some countries is limited due to a high public debt-to-GDP ratio. Some countries may significantly increase their investments while others are not able to do so, thus reducing the impact of overall spending within the EU and therefore not fulfilling the common goal of achieving carbon neutrality and ensuring the defense of the EU. The graph below shows the significant divergence between countries in terms of public finances. Some countries like Greece and Italy are heavily indebted, unlike the Netherlands and Germany. This is exacerbated in some countries by a significant cyclically adjusted primary deficit (budget balance, excluding interest payments and adjusted for the economic cycle) as in Italy, in France and Belgium.



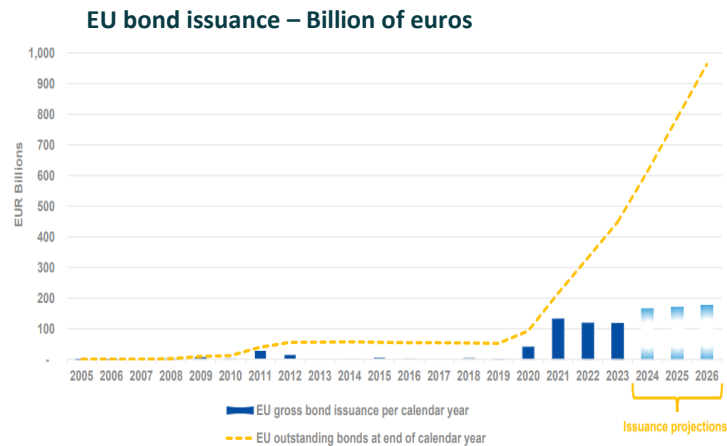
It is necessary to resort to common financing through European Union bonds

The stability and growth pact reform adopted last April provides a little leeway for governments, as the period for adjusting public spending can be extended to 7 years, compared to 4 years otherwise, if countries make the necessary investments for the energy and digital transition. However, this proves to be insufficient. To meet all the challenges of the EU, it is thus necessary to resort to common borrowing through European Union bonds.

## EU Bonds: A Future Risk-Free Asset

The EU has become a major issuer

The European Commission has been issuing bonds for over 40 years to finance EU programs. The issuance has been massive since 2020 following the extensive measures taken by governments to address the unprecedented shock of the Covid-19 crisis. The temporary programs SURE and NextGeneration EU have been a real game-changer for the EU bond market.



Sources : EU, Ostrum AM

**The SURE and Next Generation EU programs have enabled the EU to issue extensively in the bond markets**

The SURE program, amounting to 100 billion euros, was launched in April 2020 to finance short-time work schemes to preserve jobs and household incomes affected by the Covid-19 crisis. It was followed, in 2021, by the Next Generation EU program, aimed at financing the European recovery plan to address the Covid-19 crisis. The amount can reach up to 806.9 billion euros (at current prices), or 750 billion euros at 2018 prices. If countries implement the necessary reforms and investments to make their economy more resilient, greener and digital, they can benefit from grants and loans at favorable rates. The countries most affected by the Covid-19 crisis receive more funds. Recently, the EC has launched a facility to support Ukraine, with an amount of 50 billion euros, of which 33 billion euros will be financed through bond issuance.

As of the end of May 2024, the EU had issued 514 billion euros, mostly to finance the Next Generation EU program. By 2026, when it is expected to be completed, the EU is projected to have issued nearly 1 trillion euros. The market will thus be roughly equivalent in size to the Spanish market, making it the EU's fifth largest issuer.

**A risk-free asset**

**The EU debt is highly rated by credit rating agencies**

The EU is one of the safest issuers in the Eurozone. The EU's debt is rated AAA by Fitch and Moody's (Aaa) and AA+ by S&P. This very good quality results from the fact that the EU's debt is backed by the European budget. This allows the EU to finance itself at rates lower than the weighted average rate of the EU countries.

To finance Next Generation EU, the ceiling for each country's own resources that must be contributed to the EU budget has been temporarily raised by 0.6 percentage points of GNI, to be increased to 2% of the EU's GNI. The EU's resources will also be increased.

**Leading Green Bond Issuer**

**The EU will issue 240 billion euros of green bonds to finance Next Generation EU**

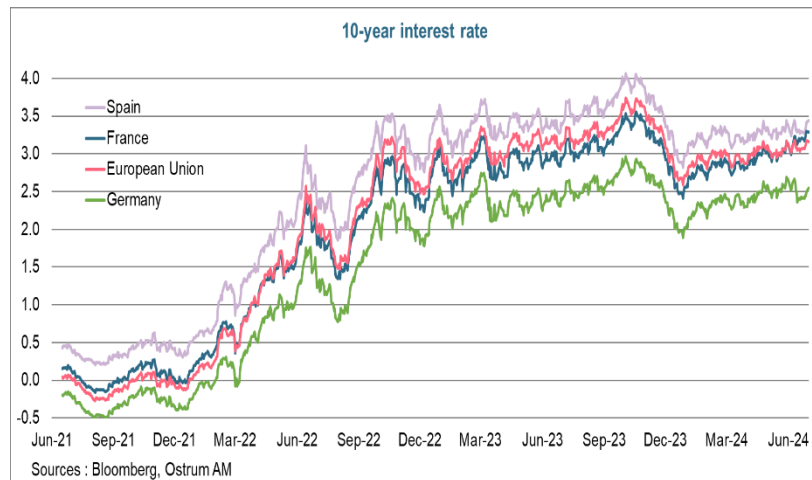
The EU stands out from other sovereigns by the significant size of green bonds issued. In order to access funds from NextGeneration EU, countries must allocate at least 37% of investments and reforms to the energy transition. To finance these expenses, the EC will issue 30% of the

NextGeneration EU program in the form of green bonds (240 billion euros). The first issuance of EU green bonds took place in October 2021, with a maturity of 15 years and a total amount of 12 billion euros, the largest ever issued. It was heavily oversubscribed, with demand reaching 135 billion euros. The EU is responding to the demand from investors who are eager and incentivized to decarbonize their portfolios. To this end, the EU has established a green bond framework to ensure transparency and traceability of funds. The first impact report was published in December 2023. In 2026, the EU is expected to become the world's largest green bond issuer.

**Passage from supranational bonds to sovereign bonds**

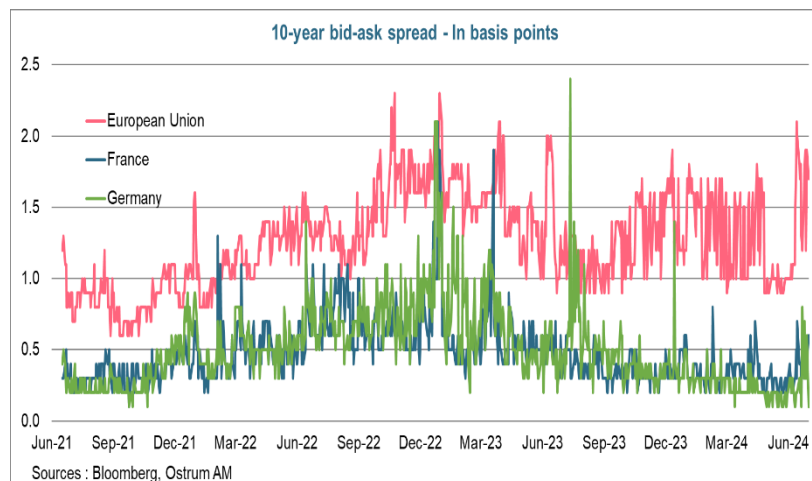
**EU debt trades at levels close to French debt despite a higher credit rating.**

Despite having a higher credit rating than French debt (rated Aa2 by Moody's and AA- by S&P and Fitch), EU bonds trade at interest rate levels close to French bonds. On June 28, 2024, the 10-year EU rate closed at 3.2%, compared to 3.3% for the French 10-year and 2.5% for the German 10-year.



**This is due to a liquidity premium**

This premium is a liquidity premium. It is not equivalent to that of the German and French bond markets. Despite massive issuances across the entire yield curve, including the short end, and significant trading volume in the secondary market, the spread between bid and ask prices in the secondary market is larger for EU bonds than for Germany and France.



**The end of the Next Generation EU program in 2026 creates uncertainty for investors**

This is due to the fact that the EU yield curve is recent and, most importantly, to the limited duration of the Next Generation EU program. Net issuances end in 2026, creating uncertainty for investors beyond this date. Repayments will end in 2058. This is likely the main reason why MSCI did not include EU bonds in its sovereign bond indices on June 12. EU bonds are therefore considered supranational bonds (similar to those of the European Investment Bank) and not sovereign bonds. MSCI will review this issue in the first half of 2025. The index provider ICE, on the other hand, is expected to make a decision in early August.

**Including EU debt in sovereign indices would allow EU bonds to be treated as sovereign bonds.**

The inclusion of EU bonds in European sovereign indices would lead to a significant increase in buying flows and therefore demand and liquidity, as fund managers seek to replicate the composition of the benchmark index in their portfolios. A study by the EC reveals that for 75% of investors, the integration of EU bonds into benchmark bond indices is the most important step for them to trade like sovereign bonds.

## Conclusion

**To finance the massive investments needed to address the EU's challenges, joint debt issuances are necessary due to the limited borrowing capacity of some countries. Discussions are ongoing between governments, under the impetus of France, but have not led to real progress so far. Continuing massive EU bond issuances beyond Next Generation EU will increase investor confidence, promoting integration of EU bonds into benchmark indices and increase market liquidity. EU bonds will thus be the necessary risk-free asset to address the climate, digital, and defense challenges within the European Union.**

**Aline Goupil-Raguénès**

- **Market review**

## A turbulent end to the first half of the year

**The first half concludes on a very positive note for global stocks, despite the volatility caused by political risk. Long-term interest rates have risen by 40 to 60 bps, with the exception of the 10-year Chinese bond yield, down by 35 bps. The bulk of the spread tightening since the beginning of the year has held.**

The political risk continues to paralyze market participants in the run-up to the first round of legislative elections in France. In the United States, the debate between Trump and Biden brings a lot of uncertainties for the Democrats. The flattening of the yield curve reflects a reduction in risk for longer maturities. The return of the Bund to 2.45% is therefore not indicative of relaxation and reduced risk aversion. The 10-year OAT hits a new high at 83 basis points on the eve of the election. Credit spreads are narrowing slightly, given that the quarterly close and the political context are not conducive to risk-taking. Meanwhile, the yen's downward spiral seems endless. The dollar-yen rate climbs back above 160, in turn fueling downward pressure on the yuan.

The US economic growth finally comes in at 1.4% in the first quarter. Private consumption has been revised down to a meager 1.5%, in line with weak retail sales. However, productive investment remains strong. The 16% increase in housing investment raises hopes for a rebound in household spending. The trade balance weighed in at 0.7 percentage points. Activity is expected to improve to around 2-2.5% in the second quarter with the replenishment of inventories. In Europe, surveys show a decline towards the end of the quarter. Political uncertainty is not helping. However, gradual disinflation is leading to an increase in purchasing power. Harmonized inflation stands at 2.6% in France and 3.5% in Spain. Expectations, however, moderate over a 3-year horizon (2.3%).

In the markets, the rise in long-term yields is not a sign of lower risk aversion. Political risk is on everyone's mind. The Bund yield is trading around 2.45%. The 10-year French OAT is under pressure at 83-bp spreads, while the AFT announces a decrease in the auction size scheduled on July 4<sup>th</sup>. The debt agency is striving to meet the collateral needs of primary dealers. Swap spreads are trading above 40 basis points at 2 and 5 years' maturities. The Italian BTP ends the week on a negative note at 158-bp spreads. Inflation break-evens (2% on the 10-year Bund) continue to ignore the rebound in crude oil (\$86). In the United States, the PCE deflator is in line with projections after the May CPI release. Slow disinflation is gradually lowering the ceiling on US bond yields. The fiscal outlook beyond the November election points to a risk of steepening in the US the yield curve.

Corporate borrowers took advantage of the last window of opportunity to tap markets before the French elections and the quieter summer months. The slight widening of spreads ensured decent demand in the investment-grade universe. The average asset swap spread is back below 80 bps. Subordinated financials outperformed, with the iTraxx IG stabilizing above 60 bps. Protection buying on the iTraxx Crossover is moderating around 325 bps. The stock markets continue to be dominated by US technology stocks. The French CAC's underperformance (-2%) persists against major European indices. The Nikkei continues to benefit from the weakness in the Japanese yen.

**Axel Botte**

● Main market indicators

<b>G4 Government Bonds</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
EUR Bunds 2y	2.91%	+11	-18	+51
EUR Bunds 10y	2.58%	+16	-8	+56
EUR Bunds 2s10s	-33.6bp	+5	+10	+5
USD Treasuries 2y	4.76%	+4	-11	+51
USD Treasuries 10y	4.44%	+21	-6	+56
USD Treasuries 2s10s	-32.2bp	+17	+5	+5
GBP Gilt 10y	4.25%	+17	-7	+71
JPY JGB 10y	1.06%	+7	-7	-31
<b>€ Sovereign Spreads (10y)</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
France	74bp	-2	-6	+21
Italy	150bp	-2	-8	-17
Spain	87bp	+1	-5	-9
<b>Inflation Break-evens (10y)</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
EUR 10y Inflation Swap	2.23%	0	-3	+9
USD 10y Inflation Swap	2.56%	+8	-3	+15
GBP 10y Inflation Swap	3.66%	+3	-11	+13
<b>EUR Credit Indices</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
EUR Corporate Credit OAS	120bp	-1	+11	-18
EUR Agencies OAS	72bp	+0	+16	+2
EUR Securitized - Covered OAS	69bp	+0	+10	-10
EUR Pan-European High Yield OAS	370bp	-1	+33	-29
<b>EUR/USD CDS Indices 5y</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
iTraxx IG	58bp	-3	+6	-1
iTraxx Crossover	309bp	-9	+18	-5
CDX IG	52bp	-1	+2	-5
CDX High Yield	339bp	-1	+4	-17
<b>Emerging Markets</b>	01-Jul-24	1 wk (bp)	1m (bp)	2024 (bp)
JPM EMBI Global Div. Spread	391bp	-4	+16	+7
<b>Currencies</b>	01-Jul-24	1wk (%)	1m (%)	2024 (%)
EUR/USD	\$1.076	0.224	-1.348	-2.6
GBP/USD	\$1.269	0.000	-0.953	-0.4
USD/JPY	JPY 161	-1.054	-3.248	-12.6
<b>Commodity Futures</b>	01-Jul-24	-1wk (\$)	-1m (\$)	2024 (%)
Crude Brent	\$85.9	\$0.7	\$5.0	13.2
Gold	\$2 331.7	-\$2.9	-\$19.0	13.0
<b>Equity Market Indices</b>	01-Jul-24	-1wk (%)	-1m (%)	2024 (%)
S&P 500	5 464	0.30	3.54	14.6
EuroStoxx 50	4 951	0.01	-0.65	9.5
CAC 40	7 617	-1.17	-4.70	1.0
Nikkei 225	39 631	2.13	2.97	18.4
Shanghai Composite	2 995	1.07	-2.98	0.7
VIX - Implied Volatility Index	13.04	-2.18	0.93	4.7

Source: Bloomberg, Ostrum AM



## Additional notes

### Ostrum Asset Management

Asset management company regulated by AMF under n° GP-18000014 – Limited company with a share capital of 50 938 997 €. 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](http://www.ostrum.com)

This document is intended for professional, 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, which under no circumstances constitutes a commitment from Ostrum Asset Management.

The analyses and opinions referenced herein represent the subjective views of the author(s) as referenced, are as of the date shown and are subject to change without prior notice. There can be no assurance that developments will transpire as may be forecasted in this material. This simulation was carried out for indicative purposes, on the basis of hypothetical investments, and does not constitute a contractual agreement from the part of Ostrum 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 accordance 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.

Final version dated 01/07/2024

### Natixis Investment Managers

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 Natixis Investment Managers S.A. or one of its branch offices listed below. Natixis Investment Managers S.A. is a Luxembourg management company that is authorized by the Commission de Surveillance du Secteur Financier and is incorporated under Luxembourg laws and registered under n. B 115843. Registered office of Natixis Investment Managers S.A.: 2, rue Jean Monnet, L-2180 Luxembourg, Grand Duchy of Luxembourg. Italy: Natixis Investment Managers S.A., Succursale Italiana (Bank of Italy Register of Italian Asset Management Companies no 23458.3). Registered office: Via San Clemente 1, 20122 Milan, Italy. Germany: Natixis Investment Managers S.A., Zweigniederlassung Deutschland (Registration number: HRB 88541). Registered office: Im Trutz Frankfurt 55, Westend Carrée, 7. Floor, Frankfurt am Main 60322, Germany. Netherlands: Natixis Investment Managers, Nederlands (Registration number 50774670). Registered office: Stadsplateau 7, 3521AZ Utrecht, the Netherlands. Sweden: Natixis Investment Managers, Nordics Filial (Registration number 516405-9601 - Swedish Companies Registration Office). Registered office: Kungsgatan 48 5tr, Stockholm 111 35, Sweden. Spain: Natixis Investment Managers, Sucursal en España. Serrano n°90, 6th Floor, 28006, Madrid, Spain. Belgium: Natixis Investment Managers S.A., Belgian Branch, Louizalaan 120 Avenue Louise, 1000 Brussel/Bruxelles, Belgium.

**In France**: Provided by Natixis Investment Managers International – a portfolio management company authorized by the Autorité des Marchés Financiers (French Financial Markets Authority - AMF) under no. GP 90-009, and a public limited company (société anonyme) registered in the Paris Trade and Companies Register under no. 329 450 738. Registered office: 43 avenue Pierre Mendès France, 75013 Paris.

**In Switzerland**: Provided for information purposes only by Natixis Investment Managers, Switzerland Sàrl, Rue du Vieux Collège 10, 1204 Geneva, Switzerland or its representative office in Zurich, Schweizergasse 6, 8001 Zürich.

**In the British Isles**: Provided by Natixis Investment Managers UK Limited which is authorised and regulated by the UK Financial Conduct Authority (register no. 190258) - registered office: Natixis Investment Managers UK Limited, One Carter Lane, London, EC4V 5ER. When permitted, the distribution of this material is intended to be made to persons as described as follows: in the United Kingdom: this material is intended to be communicated to and/or directed at investment professionals and professional investors only; in Ireland: this material is intended to be communicated to and/or directed at professional investors only; in Guernsey: this material is intended to be communicated to and/or directed at only financial services providers which hold a license from the Guernsey Financial Services Commission; in Jersey: this material is intended to be communicated to and/or directed at professional investors only; in the Isle of Man: this material is intended to be communicated to and/or directed at only financial services providers which hold a license from the Isle of Man Financial Services Authority or insurers authorised under section 8 of the Insurance Act 2008.

**In the DIFC**: Provided in and from the DIFC financial district by Natixis Investment Managers 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: Unit L10-02, Level 10, ICD Brookfield Place, DIFC, PO Box 506752, Dubai, United Arab Emirates

**In Japan:** Provided by Natixis Investment Managers Japan Co., Ltd., Registration No.: Director-General of the Kanto Local Financial Bureau (kinsho) No. 425. Content of Business: The Company conducts discretionary asset management business and investment advisory and agency business as a Financial Instruments Business Operator. Registered address: 1-4-5, Roppongi, Minato-ku, Tokyo.

**In Taiwan:** Provided by Natixis Investment Managers Securities Investment Consulting (Taipei) Co., Ltd., a Securities Investment Consulting Enterprise regulated by the Financial Supervisory Commission of the R.O.C. Registered address: 34F., No. 68, Sec. 5, Zhongxiao East Road, Xinyi Dist., Taipei City 11065, Taiwan (R.O.C.), license number 2020 FSC SICE No. 025, Tel. +886 2 8789 2788.

**In Singapore:** Provided by Natixis Investment Managers Singapore Limited (company registration no. 199801044D) to distributors and institutional investors for informational purposes only.

**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, Montevideo, Uruguay, CP 11500. The sale or offer of any units of a fund qualifies as a private placement pursuant to section 2 of Uruguayan 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, securities intermediary, 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. While shares of certain ETFs may be listed in the Sistema Internacional de Cotizaciones (SIC), such listing does not represent a public offering of securities in Mexico, and therefore the accuracy of this information has not been confirmed by the CNBV. 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. Any reference contained herein to "Investment Managers" is made to Natixis Investment Managers and/or any of its investment management subsidiaries, which are also not authorized by or registered with the CNBV or any other Mexican authority.

The above referenced entities are business development units of Natixis Investment Managers, the holding company of a diverse line-up of specialised investment management and distribution entities worldwide. The investment management subsidiaries of Natixis 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.

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 date 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 indicative of future performance.

Although Natixis Investment Managers believes the 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](http://www.ostrum.com)