



Fixed Income Special

NORD/LB Floor Research

06 December 2024 Marketing communication (see disclaimer on the last pages)



Table of content

E	CB preview 2025: Downhill with Lagarde, but no speeding, please	3
Ρ	ublication overview	8
C	Contacts at NORD/LB	9

Floor analysts:

Covered Bonds/Banks

Dr Frederik Kunze frederik.kunze@nordlb.de

Lukas Kühne lukas.kuehne@nordlb.de

Alexander Grenner alexander.grenner@nordlb.de

SSA/Public Issuers

Dr Norman Rudschuck, CIIA norman.rudschuck@nordlb.de

Lukas-Finn Frese lukas-finn.frese@nordlb.de

Tobias Cordes tobias.cordes@nordlb.de

NORD/LB: Floor Research NORD/LB: Covered Bond Research NORD/LB: SSA/Public Issuers Research Bloomberg: RESP NRDR <GO>

ECB preview 2025: Downhill with Lagarde, but no speeding, please

Authors: Dr Frederik Kunze // Dr Norman Rudschuck, CIIA // Lukas Kühne // assisted by Maximilian Lingenfelser

Interest rate cuts and (geo-)political upheavals will remain with us in 2025

What a year – again. And no topics has really been resolved; we are taking all monetary, geostrategic and political subjects into the new year.

- New elections in February instead of September in Germany, including expected unstable majorities.
- A resulting Bund-swap-spread that has historically reversed but now appears to have at least for now bottomed out.
- Developments in France that almost no one can keep up with. There is only no progress in budget consolidation.
- Ukraine, the EU and the U.S. Europe would be at a loss on its own, not just financially, as raising more money would also mean a lack of money elsewhere.
- Reforming the German debt brake for more investment, etc.

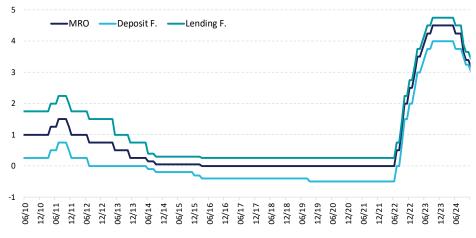
The ECB is therefore not to be envied for having to turn down the interest rate screw several times firstly next Thursday and then in 2025 if inflation rates are – not unexpectedly – rising again nowadays. Read our assessments for the next nine meetings here.

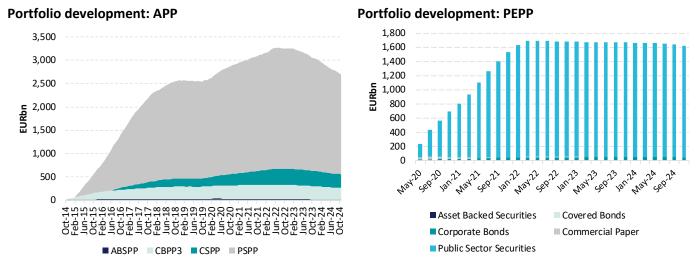
The roadmap for 2024/25

The cycle of interest rate cuts continues to cast its shadow ahead. In our opinion, the music is playing in the current second half of the year and is unlikely to stop in 2025. The ECB is expected to meet on the following dates:

- 12 December 2024 incl. new staff projections, then for the first time for 2027
- 30 January 2025
- 06 March incl. new *staff projections*
- 17 April
- 05 June incl. new *staff projections*
- 24 July
- 11 September incl. new staff projections
- 30 October (host: Banca d'Italia)
- 18 December incl. new *staff projections*, then for the first time for 2028

ECB key interest rates (in %; incl. interest rate cut expected by us)

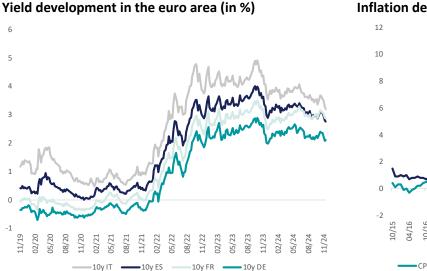




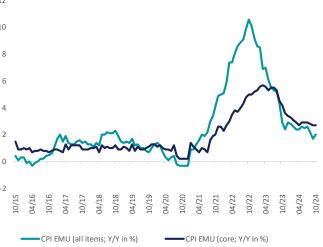
Source: Bloomberg, NORD/LB Floor Research

QT on the rise and the return of sovereign yields as an indicator

With the two charts above we would like to say goodbye to the last reinvestments as part of the purchase programs. While the balance sheet significance of the Asset Purchase Program (APP) has been losing importance for some time – albeit slowly – the last reinvestments in the Pandemic Emergency Purchase Program (PEPP) will end on 31 December 2024. As of 01 July 2024, the full maturities will no longer be reinvested, but instead a monthly reduction of EUR 7.5bn will be made. This only slowly becomes noticeable in the chart at the top right. In addition, since the PEPP no longer had to follow the capital key, it has long been seen as a flexible instrument to counteract short-term tensions on the capital market, i.e. to dampen or contain the rise in government bond yields. This so-called "first line of defence" no longer exists and the Transmission Protection Instrument (TPI) inevitably comes into focus. This is important because France's 10-year government bond yield is higher than Spanish or Portuguese bond yields, but on par with Greece's 10-year benchmark yield. On the one hand, this is a historical capital market anomaly, but on the other hand, it is "well-deserved". Hello, Macron!



Inflation development in the euro area (in %)



Minutes of the October meeting: Risk management aspects were convincing

On 14 November, the ECB has already presented the <u>minutes</u> of the central bank meeting on 16/17 October. Despite the unanimous decision to cut key interest rates in October, there were definitely contradictory views in the ECB Council, particularly with regard to inflation expectations. While the hawks do not expect inflation to fall significantly below the ECB's 2% target in the near future, the doves predict such an event for next year. Argumentatively, the majority of Council members highlighted a possible weaker economic development in growth in the Eurozone, which would represent a downside risk for inflation expectations. However, not all members shared this perspective and particularly referred to the lack of staff projections for the medium-term inflation forecast. Accordingly, these participants initially spoke out against a reduction in interest rates. These "dissenters" were able to be convinced of an interest rate move in October but with the aspect of better risk management with a view to the December meeting. If the downward trend in inflation proves to be only temporary, the interest rate cut in December would have already been anticipated, according to the ECB Council's line of argument.

Opinions from the ECB environment and...

At this point we would like to focus, as usual, on individual statements from the ECB environment. However, a clear dividing line between the doves and hawks remains difficult to identify this time. This is due, among other things, to the ongoing uncertainty characterized by sluggish economic growth and persistent inflation, particularly in the service sector in the Eurozone. Nevertheless, some central bankers have stated more or less clear positions. The market estimates that the probability of a further interest rate cut of -25 basis points in December is very high, which is likely to be influenced by statements from the dovish camp. Yannis Stournaras, President of the central bank of Greece, made it clear: "In December we will further cut interest rates." This view is supported by other "doves". François Villeroy de Galhau, Governor of the Banque de France, also called for openness and even did not rule out a larger reduction of -50 basis points. In contrast, representatives of the hawkish camp expressed themselves in a more nuanced manner. "Arch hawk" Robert Holzmann (ÖNB) admitted that a further interest rate cut cannot be ruled out, but added: "I assume it will only be moderate. The data so far does not indicate a major step." It is noteworthy that in September Holzmann was the only council representative to vote against a rate cut – a sign of how the dividing line between hawks and doves is currently blurring. Bundesbank President Joachim Nagel pointed out that the slight increase in inflation had been expected in November and that the ECB's inflation target was still within reach. Despite his reminding words, particularly with regard to ongoing uncertainties caused by high wage increases and geopolitical tensions, Nagel's statements can also be interpreted as cautious support for a further interest rate cut. The potential economic consequences of US President-elect Donald Trump's announced tariff policy are also likely to play a role next week. Philip Lane, ECB chief economist, underlined the importance of the global trading system in this context: "It is crucial that the world trading system is preserved as much as possible. The global economy relies heavily on trade. Overall, fragmentation would have serious consequences." Looking at the price path, Lane emphasized that no hasty conclusions should be drawn about the direction of inflation: "I can identify both deflationary and inflationary forces. However, what ultimately happens depends heavily on the exact sequence of events."

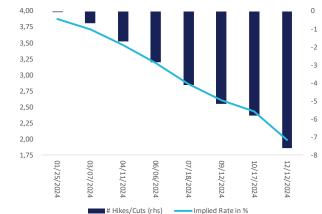


Bloomberg NLP-Model: ECB Speak Index¹

Source: ECB, Bloomberg, NORD/LB Floor Research ¹ NLP = Natural Language Processing

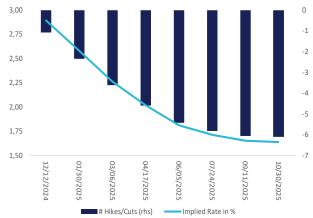
... how these can be condensed or what the market "expects" for 2025

The ECB statements and their "direction" result in a multitude of data points that are condensed into an indicator by Bloomberg, among others. In today's preview we are happy to use the "ECB Speak Index", which is based on a Natural Language Processing (NLP) approach. Based on this time series, the tongues of the central bankers in the euro area remain "dovish". A longer look shows an apparent correspondence with the ECB's actual course of action, which not least also fits with general market expectations. While on the investor side the probability of the small interest rate cut (-25bp) in December is 80%, at least 20% expect a "big" one (-50bp). However, what the central bankers' statements or market expectations "forecast" for a longer time horizon, i.e. for the year 2025 as a whole, remains subject to uncertainty. The "market opinion" – indicated by implicit interest rate probabilities – is therefore (too) susceptible to impulses or tends to exaggerate the current news situation. We remember that on 27 December 2023, almost eight interest rate cuts in 2024 to a key interest rate of 2% were "priced in". Against this background, the implicit interest rate probabilities must also be interpreted with a view to 2025. From yesterday to the end of October, six steps of 25 basis points each are "priced in". That would be a lot!



Implied Overnight Rate 27.12.2023





Our expectations for 12 December 2024...

We assume that the ECB Council will hold another open-ended discussion next week, but will come to the conclusion that all three key rates will be cut again. This means that the deposit facility rate will drop to 3% from the current 3.25%; the rate of the main refinancing operations from 3.4% to a still unusually round 3.15% and the rate of the marginal refinancing facility from 3.65% to 3.4%. As we expected and as communicated by the ECB, the meetings remain data-based. Attention, transition: We expect this from the ECB in the coming year as well.

... and for 2025

Cut, sleep, repeat - our regular readers know our new, beloved and, in our opinion, memorable mantra. This means that the ECB will cut interest rates at one meeting (December 2024), then pause a meeting (January 2025) in order to obtain more meaningful data points in order to be able to cut rates again at the following meeting (March 2025). Ideally, new staff projections will then be available. Following our mantra and this cycle, we would have a maximum of four further interest rate cuts in the new year, although the two cuts in H1/2025, despite all the political uncertainty with France and Germany, may appear clearer when looking at the interest rate valley than in the second half of the year. As of now, we do not expect interest rate cuts of 50 basis points in 2025. To stay in the language of ski fun: After every downhill race (-25bp in March, June, September and December), Madame Lagarde takes a break in the ski hut. We do not expect a big shot (-50bp) on any date, also due to foggy and severe weather conditions. We have already commented above on TPI (please never activate it!) and the end of the purchase programs. What remains are the somewhat larger topics beyond interest rates: a look at minimum reserve requirements, the "structural portfolio" from the operational review and longer-term refinancing transactions. The ECB is currently not showing its (poker) hand here. That's why we prefer to watch the goings-on from the edge of the piste instead of poking around in the fog.

Conclusion and outlook

Another interest rate cut in December seems to be a done deal – but, with all due respect, not because the markets are fully pricing it in. After all, according to Overnight Index Swaps, the majority of market participants expected seven to eight interest rate cuts for 2024. After the interest rate cut next Thursday, we expect a maximum of four interest rate cuts in the coming year. Increments of -25bp should always be used, at least we see no need for -50bp. At the turn of the year, we will also be adopting the last reinvestments in the PEPP, meaning that this actively managed portfolio will also be a thing of the past, even though it acted as the often-quoted "first line of defence" to keep certain government bond spreads low. Nonetheless, we do not expect to see an activation of the TPI in 2025, with the fiscal situation in many places appearing to be tight and the political situation appearing unbalanced. Here, due to the home-grown problems, particularly in France, we see no signs that the ECB should even think about activating its TPI. Questions could still be asked about this on Thursday. More questions could come at any press conference about the different pace between the ECB and the Fed. This is not necessarily a bad thing per se and is rarely commented on by the ECB President, as the Council and she do not steer the exchange rate. The questions will still be asked anyway. The topic of "minimum reserves" has also become quite quiet and almost contemplative. According to statements made, we also have the "Structural Portfolio" from the operational review on the list as well as possible new longer-term refinancing transactions. Happy New Year!

Appendix Publication overview

Covered Bonds:

Issuer Guide – Covered Bonds 2024

Covered Bond Laws

Covered Bond Directive: Impact on risk weights and LCR levels

Risk weights and LCR levels of covered bonds (updated semi-annually)

Transparency requirements §28 PfandBG Q3/2024 (quarterly update)

Transparency requirements §28 PfandBG Q3/2024 Sparkassen (quarterly update)

SSA/Public Issuers:

Issuer Guide – German Laender 2024

Issuer Guide – German Agencies 2024

Issuer Guide – Canadian Provinces & Territories 2024

Issuer Guide – European Supranationals 2024

Issuer Guide – French Agencies 2023

Issuer Guide – Nordic Agencies 2024

Issuer Guide – Dutch Agencies 2024

Issuer Guide – Non-European Supranationals (MDBs) 2024

Beyond Bundeslaender: Belgium

Beyond Bundeslaender: Greater Paris (IDF/VDP)

Beyond Bundeslaender: Spanish regions

Fixed Income Specials:

ESG-Update 2024

ECB: An autumn of interest rate cuts that wasn't supposed to be?

NORD/LB: Covered Bond Research NORD/LB: SSA/Public Issuers Research Bloomberg: RESP NRDR <GO>

Appendix Contacts at NORD/LB

Floor Research



Dr Frederik Kunze Covered Bonds/Banks

+49 172 354 8977 <u>frederik.kunze@nordlb.de</u>



Lukas Kühne Covered Bonds/Banks

+49 176 152 90932 lukas.kuehne@nordlb.de

Alexander Grenner Covered Bonds/Banks

+49 157 851 65070 <u>alexander.grenner@nordlb.de</u>



Dr Norman Rudschuck, CIIA SSA/Public Issuers

+49 152 090 24094 norman.rudschuck@nordlb.de



Lukas-Finn Frese SSA/Public Issuers

+49 176 152 89759 lukas-finn.frese@nordlb.de



Tobias Cordes SSA/Public Issuers

+49 162 760 6673 tobias.cordes@nordlb.de

Sales

Institutional Sales	+49 511 9818-9440
Sales Sparkassen & Regionalbanken	+49 511 9818-9400
Institutional Sales MM/FX	+49 511 9818-9460
Fixed Income Relationship Management Europe	+352 452211-515

Trading

Covereds/SSA	+49 511 9818-8040
Financials	+49 511 9818-9490
Governments	+49 511 9818-9660
Länder/Regionen	+49 511 9818-9660
Frequent Issuers	+49 511 9818-9640

Origination & Syndicate

Origination FI	+49 511 9818-6600
Origination Corporates	+49 511 361-2911

Treasury

Liquidity Management/Repos

+49 511 9818-9620 +49 511 9818-9650

Sales Wholesale Customers

Firmenkunden	+49 511 361-4003
Asset Finance	+49 511 361-8150

Relationship Management

Institutionelle Kunden	<u>rm-vs@nordlb.de</u>
Öffentliche Kunden	rm-oek@nordlb.de

Disclaimer

The present report (hereinafter referred to as "information") was drawn up by NORDDEUTSCHE LANDESBANK GIROZENTRALE (NORD/LB). The supervisory authorities responsible for NORD/LB are the European Central Bank (ECB), Sonnemannstraße 20, D-60314 Frankfurt am Main, and the Federal Financial Supervisory Authority in Germany (Bundesanstalt für Finanzdienstleitungsaufsicht; BaFin), Graurheindorfer Str. 108, D-53117 Bonn and Marie-Curie-Str. 24-28, D-60439 Frankfurt am Main. The present report and the products and services described herein have not been reviewed or approved by the relevant supervisory authority.

The present information is addressed exclusively to Recipients in Austria, Belgium, Canada, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Indonesia, Ireland, Italy, Japan, Korea, Luxembourg, the Netherlands, New Zealand, Poland, Portugal, Singapore, Portugal, Spain, Sweden, Switzerland, the Republic of China (Taiwan), Thailand, the United Kingdom and Vietnam (hereinafter referred to as "Relevant Persons" or "Recipients"). The contents of the information are disclosed to the Recipients on a strictly confidential basis and, by accepting such information, the Recipients shall agree that they will not forward it to third parties, copy and/or reproduce this information without the prior written consent of NORD/LB. The present information is addressed solely to the Relevant Persons and any parties other than the Relevant Persons shall not rely on the information contained herein. In particular, neither this information nor any copy thereof shall be forwarded or transmitted to the United States of America or its territories or possessions, or distributed to any employees or affiliates of Recipients resident in these jurisdictions.

The present information does not constitute financial analysis within the meaning of Art. 36 (1) of the Delegate Regulation (EU) 2017/565, but rather represents a marketing communication for your general information within the meaning of Art. 36 (2) of this Regulation. Against this background, NORD/LB expressly points out that this information has not been prepared in accordance with legal provisions promoting the independence of investment research and is not subject to any prohibition of trading following the dissemination of investment research. Likewise, this information does not constitute an investment recommendation or investment strategy recommendation within the meaning of the Market Abuse Regulation (EU) No. 596/2014.

This report and the information contained herein have been compiled and are provided exclusively for information purposes. The present information is not intended as an investment incentive. It is provided for the Recipient's personal information, subject to the express understanding, which shall be acknowledged by the Recipient, that it does not constitute any direct or indirect offer, recommendation, solicitation to purchase, hold or sell or to subscribe for or acquire any securities or other financial instruments nor any measure by which financial instruments might be offered or sold.

All actual details, information and statements contained herein were derived from sources considered reliable by NORD/LB. For the preparation of this information, NORD/LB uses issuer-specific financial data providers, own estimates, company information and public media. However, since these sources are not verified independently, NORD/LB cannot give any assurance as to or assume responsibility for the accuracy and completeness of the information contained herein. The opinions and prognoses given herein on the basis of these sources constitute a non-binding evaluation of the employees of theFloor Research division of NORD/LB. Any changes in the underlying premises may have a material impact on the developments described herein. Neither NORD/LB nor its governing bodies or employees can give any assurances as to or assume any responsibility for the accuracy, appropriateness and completeness of this information or for any loss of return, any indirect, consequential or other damage which may be suffered by persons relying on the information or any statements or opinions set forth in the present Report (irrespective of whether such losses are incurred due to any negligence on the part of these persons or otherwise).

Past performance is not a reliable indicator of future performance. Exchange rates, price fluctuations of the financial instruments and similar factors may have a negative impact on the value and price of and return on the financial instruments referred to herein or any instruments linked thereto. Fees and commissions apply in relation to securities (purchase, sell, custody), which reduce the return on investment. An evaluation made on the basis of the historical performance of any security does not necessarily provide an indication of its future performance.

The present information neither constitutes any investment, legal, accounting or tax advice nor any assurance that an investment or strategy is suitable or appropriate in the light of the Recipient's individual circumstances, and nothing in this information constitutes a personal recommendation to the Recipient thereof. The securities or other financial instruments referred to herein may not be suitable for the Recipient's personal investment strategies and objectives, financial situation or individual needs.

Moreover, the present report in whole or in part is not a sales or other prospectus. Accordingly, the information contained herein merely constitutes an overview and does not form the basis for any potential decision to buy or sell on the part of an investor. A full description of the details relating to the financial instruments or transactions which may relate to the subject matter of this report is given in the relevant (financing) documentation. To the extent that the financial instruments described herein are NORD/LB's own issues and subject to the requirement to publish a prospectus, the conditions of issue applicable to any individual financial instrument and the relevant prospectus published with respect thereto as well NORD/LB's relevant registration form, all of which are available for download at www.nordlb.de and may be obtained free of charge from NORD/LB, Georgsplatz 1, 30159 Hanover, shall be solely binding. Furthermore, any potential investment decision should be made exclusively on the basis of such (financing) documentation. The present information cannot replace personal advice. Before making an investment decision, each Recipient should consult an independent investment adviser for individual investment advice with respect to the appropriateness of an investment in financial instruments or investment strategies subject to this information as well as for other and more recent information on certain investment opportunities.

Each of the financial instruments referred to herein may involve substantial risks, including capital, interest, index, currency and credit risks in addition to political, fair value, commodity and market risks. The financial instruments could experience a sudden and substantial deterioration in value, including a total loss of the capital invested. Each transaction should only be entered into on the basis of the relevant investor's assessment of his or her individual financial situation as well as of the suitability and risks of the investment.

NORD/LB and its affiliated companies may participate in transactions involving the financial instruments described in the present information or their underlying basis values for their own account or for the account of third parties, may issue other financial instruments with the same or similar features as those of the financial instruments presented in this information and may conduct hedging transactions to hedge positions. These measures may affect the price of the financial instruments described in the present information.

If the financial instruments presented in this information are derivatives, they may, depending on their structure, have an initial negative market value from the customer's perspective at the time the transaction is concluded. NORD/LB further reserves the right to transfer its economic risk from a derivative concluded with it to a third party on the market by means of a mirror-image counter transaction.

More detailed information on any commission payments which may be included in the selling price can be found in the "Customer Information on Securities Business" brochure, which is available to download at <u>www.nordlb.de</u>.

The information contained in the present report replaces all previous versions of corresponding information and refers exclusively to the time of preparation of the information. Future versions of this information will replace this version. NORD/LB is under no obligation to update and/or regularly review the data contained in such information. No guarantee can therefore be given that the information is up-to-date and continues to be correct. By making use of this information, the Recipient shall accept the terms and conditions outlined above.

NORD/LB is a member of the protection scheme of Deutsche Sparkassen-Finanzgruppe. Further information for the Recipient is indicated in clause 28 of the General Terms and Conditions of NORD/LB or at <u>www.dsgv.de/sicherungssystem</u>.

Additional information for Recipients in Australia:

NORD/LB IS NOT A BANK OR DEPOSIT TAKING INSTITUTION AUTHORISED UNDER THE 1959 BANKING ACT OF AUSTRALIA. IT IS NOT SUPERVISED BY THE AUS-TRALIAN PRUDENTIAL REGULATION AUTHORITY. NORD/LB does not provide personal advice with this information and does not take into account the objectives, financial situation or needs of the Recipient (other than for the purpose of combating money laundering).

Additional information for Recipients in Austria:

None of the information contained herein constitutes a solicitation or offer by NORD/LB or its affiliates to buy or sell any securities, futures, options or other financial instruments or to participate in any other strategy. Only the published prospectus pursuant to the Austrian Capital Market Act should be the basis for any investment decision of the Recipient. For regulatory reasons, products mentioned herein may not be on offer in Austria and therefore not available to investors in Austria. Therefore, NORD/LB may not be able to sell or issue these products, nor shall it accept any request to sell or issue these products to investors located in Austria or to intermediaries acting on behalf of any such investors.

Additional information for Recipients in Belgium:

Evaluations of individual financial instruments on the basis of past performance are not necessarily indicative of future results. It should be noted that the reported figures relate to past years.

Additional information for Recipients in Canada:

This report has been prepared solely for information purposes in connection with the products it describes and should not, under any circumstances, be construed as a public offer or any other offer (direct or indirect) to buy or sell securities in any province or territory of Canada. No financial market authority or similar regulatory body in Canada has made any assessment of these securities or reviewed this information and any statement to the contrary constitutes an offence. Potential selling restrictions may be included in the prospectus or other documentation relating to the relevant product.

Additional information for Recipients in Cyprus:

This information constitutes an analysis within the meaning of the section on definitions of the Cyprus Directive D1444-2007-01 (No. 426/07). Furthermore, this information is provided for information and promotional purposes only and does not constitute an individual invitation or offer to sell, buy or subscribe to any investment product.

Additional information for Recipients in the Czech Republic:

There is no guarantee that the invested amount will be recouped. Past returns are no guarantee of future results. The value of the investments may rise or fall. The information contained herein is provided on a non-binding basis only and the author does not guarantee the accuracy of the content.

Additional information for Recipients in Denmark:

This Information does not constitute a prospectus under Danish securities law and consequently is not required to be, nor has been filed with or approved by the Danish Financial Supervisory Authority, as this Information either (i) has not been prepared in the context of a public offering of securities in Denmark or the admission of securities to trading on a regulated market within the meaning of the Danish Securities Trading Act or any executive orders issued pursuant there-to, or (ii) has been prepared in the context of a public offering of securities in Denmark or the admission of securities to trading on a regulated market in reliance on one or more of the exemptions from the requirement to prepare and publish a prospectus in the Danish Securities Trading Act or any executive orders issued pursuant thereto.

Additional information for Recipients in Estonia:

It is advisable to closely examine all the terms and conditions of the services provided by NORD/LB. If necessary, Recipients of this information should consult an expert.

Additional information for Recipients in Finland:

The financial products described herein may not be offered or sold, directly or indirectly, to any resident of the Republic of Finland or in the Republic of Finland, except pursuant to applicable Finnish laws and regulations. Specifically, in the case of shares, such shares may not be offered or sold, directly or indirectly, to the public in the Republic of Finland as defined in the Finnish Securities Market Act (746/2012, as amended). The value of investments may go up or down. There is no guarantee of recouping the amount invested. Past performance is no guarantee of future results.

Additional information for Recipients in France:

NORD/LB is partially regulated by the "Autorité des Marchés Financiers" for the conduct of French business. Details concerning the extent of our regulation by the respective authorities are available from us on request. The present information does not constitute an analysis within the meaning of Article 24 (1) Directive 2006/73/EC, Article L.544-1 and R.621-30-1 of the French Monetary and Financial Code, but does represent a marketing communication and does qualify as a recommendation pursuant to Directive 2003/6/EC and Directive 2003/125/EC.

Additional information for Recipients in Greece:

The information contained herein gives the view of the author at the time of publication and may not be used by its Recipient without first having confirmed that it remains accurate and up to date at the time of its use. Past performance, simulations or forecasts are therefore not a reliable indicator of future results. Investment funds have no guaranteed performance and past returns do not guarantee future performance.

Additional information for Recipients in Indonesia:

This report contains generic information and has not been tailored to the circumstances of any individual or specific Recipient. This information is part of NORD/LB's marketing material.

Additional information for Recipients in the Republic of Ireland:

This information has not been prepared in accordance with Directive (EU) 2017/1129 (as amended) on prospectuses (the "Prospectus Directive") or any measures made under the Prospectus Directive or the laws of any Member State or EEA treaty adherent state that implement the Prospectus Directive or such measures and therefore may not contain all the information required for a document prepared in accordance with the Prospectus Directive or the laws.

Additional information for Recipients in Japan:

This information is provided to you for information purposes only and does not constitute an offer or solicitation of an offer to enter into securities transactions or commodity futures transactions. Although the actual data and information contained herein has been obtained from sources which we believe to be reliable and trustworthy, we are unable to vouch for the accuracy and completeness of this actual data and information.

Additional information for Recipients in South Korea:

This information has been provided to you free of charge for information purposes only. The information contained herein is factual and does not reflect any opinion or judgement of NORD/LB. The information contained herein should not be construed as an offer, marketing, solicitation to submit an offer or investment advice with respect to the financial investment products described herein.

Additional information for Recipients in Luxembourg:

Under no circumstances shall the present information constitute an offer to purchase or issue or the solicitation to submit an offer to buy or subscribe for financial instruments and financial services in Luxembourg.

Additional information for Recipients in New Zealand:

NORD/LB is not a bank registered in New Zealand. This information is for general information only. It does not take into account the Recipient's financial situation or objectives and is not a personalised financial advisory service under the 2008 Financial Advisers Act.

Additional information for Recipients in the Netherlands:

The value of your investment may fluctuate. Past performance is no guarantee for the future.

Additional information for Recipients in Poland:

This information does not constitute a recommendation within the meaning of the Regulation of the Polish Minister of Finance Regarding Information Constituting Recommendations Concerning Financial Instruments or Issuers thereof dated 19 October 2005.

Additional information for Recipients in Portugal:

This information is intended only for institutional clients and may not be (i) used by, (ii) copied by any means or (iii) distributed to any other kind of investor, in particular not to retail clients. The present information does not constitute or form part of an offer to buy or sell any of the securities covered by the report, nor should it be understood as a request to buy or sell securities where that practice may be deemed unlawful. The information contained herein is based on information obtained from sources which we believe to be reliable, but is not guaranteed as to accuracy or completeness. Unless otherwise stated, all views contained herein relate solely to our research and analysis and are subject to change without notice.

Additional information for Recipients in Sweden:

This information does not constitute (or form part of) a prospectus, offering memorandum, any other offer or solicitation to acquire, sell, subscribe for or otherwise trade in shares, subscription rights or other securities, nor shall it or any part of it form the basis of or be relied on in connection with any contract or commitment whatsoever. The present information has not been approved by any regulatory authority. Any offer of securities will only be made pursuant to an applicable prospectus exemption under the EC Prospectus Directive (Directive (EU) 2017/1129), and no offer of securities is being directed to any person or investor in any jurisdiction where such action is wholly or partially subject to legal restrictions or where such action would require additional prospectuses, other offer documentation, registrations or other actions.

Additional information for Recipients in Switzerland:

This information has not been approved by the Federal Banking Commission (merged into the Swiss Financial Market Supervisory Authority (FINMA) on 1 January 2009). NORD/LB will comply with the Directives of the Swiss Bankers Association on the Independence of Financial Research (as amended). The present information does not constitute an issuing prospectus pursuant to article 652a or article 1156 of the Swiss Code of Obligations. The information is published solely for the purpose of information on the products mentioned herein. The products do not qualify as units of a collective investment scheme pursuant to the Federal Act on Collective Investment Schemes (CISA) and are therefore not subject to supervision by FINMA.

Additional information for Recipients in the Republic of China (Taiwan):

This information is provided for general information only and does not take into account the individual interests or requirements, financial status and investment objectives of any specific investor. Nothing herein should be construed as a recommendation or advice for you to subscribe to a particular investment product. You should not rely solely on the information provided herein when making your investment decisions. When considering any investment, you should endeavour to make your own independent assessment and determination on whether the investment is suitable for your needs and seek your own professional financial and legal advice. NORD/LB has taken all reasonable care in producing this report and trusts that the information is reliable and suitable for your situation at the date of publication or delivery. However, no guarantee of accuracy or completeness is given. To the extent that NORD/LB has exercised the due care of a good administrator, we accept no responsibility for any errors, omissions, or misstatements in the information given. NORD/LB does not guarantee any investment results and does not guarantee that the strategies employed will improve investment performance or achieve your investment objectives.

Information for Recipients in the United Kingdom:

NORD/LB is subject to partial regulation by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA). Details of the scope of regulation by the FCA and the PRA are available from NORD/LB on request. The present information is "financial promotion". Recipients in the United Kingdom should contact the London office of NORD/LB, Investment Banking Department, telephone: 0044 / 2079725400, in the event of any queries. An investment in financial instruments referred to herein may expose the investor to a significant risk of losing all the capital invested.

Time of going to press: 06 December 2024 (11:23h)