



Fixed Income Special

NORD/LB Floor Research

18 July 2024

Marketing communication (see disclaimer on the last pages)

Table of content

ECB: Taylor Swift and the inflation, or...	3
Publication overview	7
Contacts at NORD/LB	8

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, CIAA
norman.rudschuck@nordlb.de

Christian Ilchmann
christian.ilchmann@nordlb.de

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

NORD/LB:
[Floor Research](#)

NORD/LB:
[Covered Bond Research](#)

NORD/LB:
[SSA/Public Issuers Research](#)

Bloomberg:
[RESP NRDR <GO>](#)

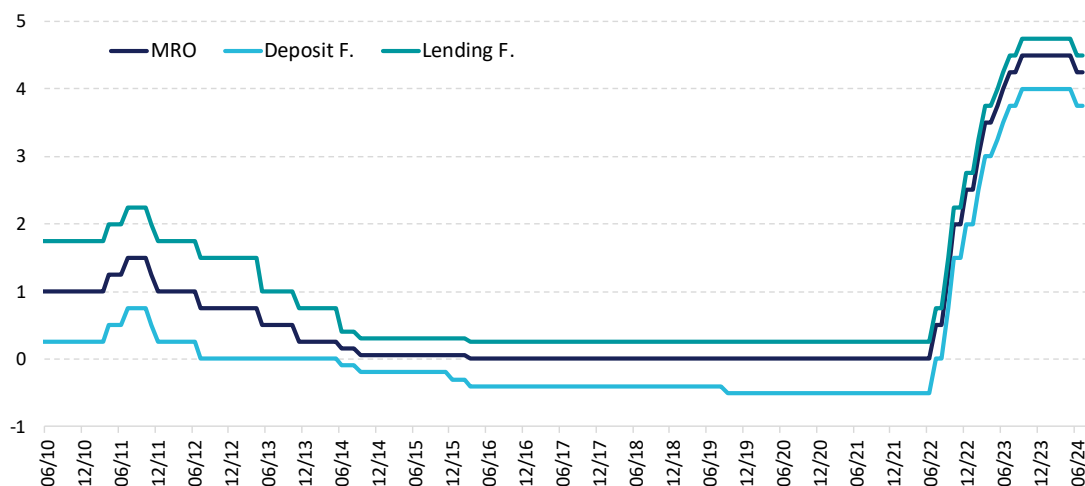
ECB: Taylor Swift and the inflation, or...

Authors: Christian Ilchmann // Lukas-Finn Frese

...the fight for credibility?

In its June decision, the ECB Governing Council abandoned the data-based approach that had it had been sworn to as a mantra for months and had to take some justified criticism in return. While the data left no room for a rate cut, at least according to most analysts, the ECB had publicly maneuvered itself into a verbal dead end with its self-imposed forward guidance – or was it the normativity of the counterfactual? The June result is well known. Word and deed no longer matched. In this way, one of a central bank's greatest assets is being played with without need (and very successfully at that): credibility. Today, Thursday, we now feel reminded of past meetings from the time of the interest rate summit: President Lagarde is spouting familiar phrases without saying much. As expected, no adjustments to the three key interest rates were made. Accordingly, the interest rate for the main refinancing operations remains unchanged at 4.25%, while the interest rates for the marginal lending facility (4.50%) and the deposit facility (3.75%) also remain unchanged. No word on the minimum reserve. TPI remains in the drawer. The associated [press release](#) merely refers once again to the fact that, in the Council's view, key interest rates are at a level that is making a significant contribution to the ongoing decline in inflation. And there it is again: data dependency. The message should have got through to all market participants by now, but what value do the ECB's words still have? In any case, there is still a long way to go to reduce the credibility mortgage.

ECB key interest rates (in %; incl. current interest rate decision)



Source: ECB, Bloomberg, NORD/LB Floor Research

ECB statement: “Copy & Paste”

You know the drill by now: “The Governing Council stands ready to adjust all its instruments within its mandate to ensure that inflation returns to its 2% target over the medium term”, “(i)t will keep policy rates sufficiently restrictive for as long as necessary to achieve this objective”, underlying inflation dynamics, strength of monetary policy transmission and the usual plethora of used ECB verbiage.

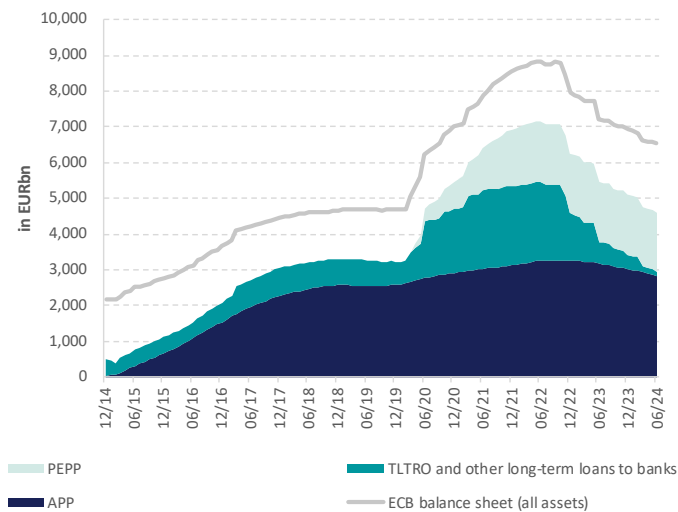
Monetary policy instruments under review. Damage caused by bond purchases?

While the summer break has effectively begun on the interest rate front, there is plenty to discuss in the background. The ECB Governing Council intends to review the appropriateness of its monetary policy strategy this summer. However, the monetary authorities are not expected to present the results of this assessment until next year. It is not known exactly which instruments will be scrutinised in detail by the ECB. Conceivable topics include bond purchase programmes, the adjustment of the inflation target and future communication by central bankers. In particular, the ECB's bond purchases from 2014 onwards, with the intention of increasing inflation at that time, have been criticised both inside and outside the ECB. Regarding bond purchases as part of Quantitative Easing (QE), it was ECB Director Isabel Schnabel who publicly warned that the use of such programmes should only be considered in certain situations. While QE can be an important and effective instrument in times of crisis, outside of this period it is necessary to weigh up whether the benefits of securities purchases outweigh the costs, according to Schnabel. In addition, the public debate in the recent past has centred on a possible adjustment of the future inflation target. In addition to an increase, a tolerance band, within the targeted inflation rate could move in future, was also discussed. However, in order not to jeopardise its credibility and to avoid raising inflation expectations, we believe it is highly unlikely that the ECB will move away from its current target value.

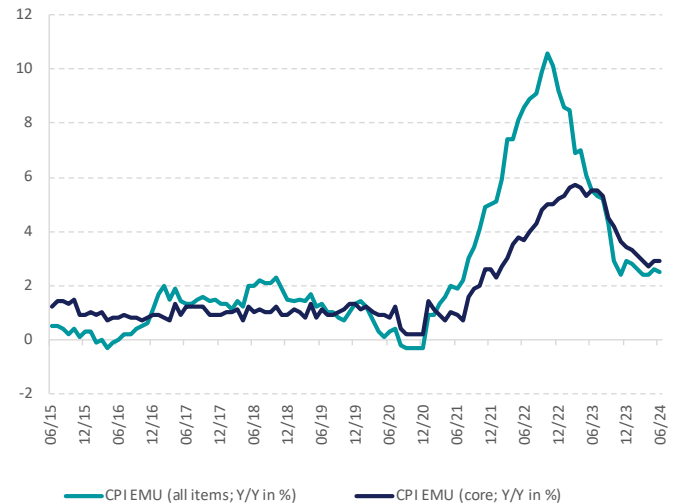
Unadorned and colourless: the press conference

This time without the "In Charge" chain and after the usual colourless teleprompter presentation of the press statement, the ECB President did go into some depth on the subject of the economic outlook. We were struck by the fact that in June it was still the longer-term growth outlook that was still pointing downwards. Admittedly not a big surprise, but the word "longer-term" was missing from Lagarde's comments today, meaning that the ECB probably sees an acute dark cloud gathering in the economic sky. In case you couldn't make it through the following 40 minutes without taking a late nap, we will briefly summarize the main points of the Q&A session: The key interest rate decision for September is wide open. Which data is important for the next interest rate decision will not be revealed, all data is important. The wage trend is pointing in the right direction. There is no speculation about the outcome of the US election in November and possible consequences for Europe. Spain's central bank is without a President. There is no discussion with Lagarde about adjusting the inflation target of 2% and, moreover, the strategic review of monetary policy instruments is not a strategic review. Similarly, "dot plots" in essence of the Fed are not an appropriate or suitable tool for the ECB to support the monetary policy decision-making process. We believe that the ECB will continue to communicate via the usual channels. Consequently, there will be no written record of the individual projections of individual ECB Governing Council Members on specific interest rates. Although this would create transparency in decision-making, whether this step has ever been discussed within the ECB (or outside of an individual journalist's question) is beyond public knowledge.

ECB balance sheet



Inflation development

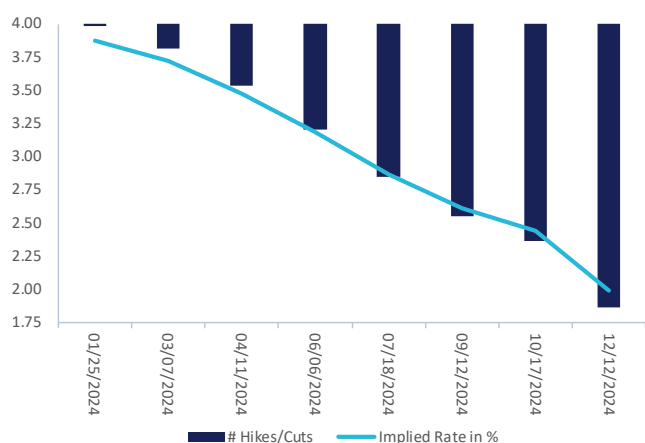


Source: ECB, Bloomberg, NORD/LB Floor Research

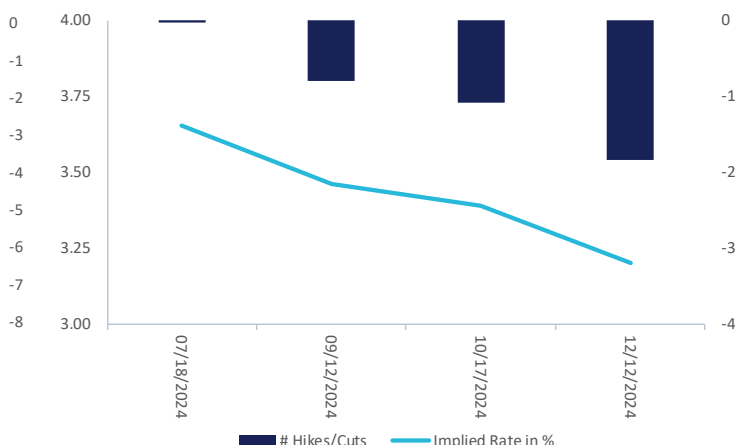
Headline inflation declines further; PEPP runs out of steam

Not much new data has been available to the monetary authorities since the June meeting. Although the recently published data on headline inflation continues to point to a decline in the rate of inflation in the single currency area and is now in line with the revised staff projections from June, core and services inflation remained stubbornly high and are slightly higher than predicted by the ECB. Maybe it's also down to Taylor Swift? In a recent interview, Christine Lagarde blamed the US singer for the rising inflation in the services sector - a "Swiftflation"? In addition to looking at the development of inflation, we would also like to draw attention to the development of the ECB's balance sheet. Introduced in 2020 in the wake of the COVID-19 pandemic, the PEPP was a key instrument in the ECB's toolbox to counteract the extraordinary economic and market conditions at the time. In contrast to the existing APP, the net purchases under the PEPP were based on a defined maximum total volume, which, however, did not have to be exhausted. The programme started with an initial volume of EUR 750bn, which was eventually increased to a total of EUR 1,850bn. As at the end of June 2024, the programme had cumulative net purchases of EUR 1,714bn. Since 01 July, the ECB has now started to reduce the PEPP portfolio by an average of EUR 7.5bn per month. That decision was already announced on 14 December 2023. This leaves just under six months before the reinvestments of redemptions are completely discontinued at the end of the year. The "bond hoover" that the ECB has presented itself as on the market in recent years is increasingly running out of steam, even if it will still take some time for the effects of the balance sheet reduction to completely materialise. Looking ahead, we therefore assume that the gradual reduction in demand from the Eurosystem will mean that fundamental differences between issuers will become much more important again and that this will ultimately also influence the corresponding spreads and yields. We have already seen a gradual repricing of issuers in our SSA definition over the course of the year, which is likely to continue.

Implied Overnight Rate 12/27/2023



Implied Overnight Rate 07/18/2024



Source: Bloomberg, NORD/LB Floor Research

The most likely timetable for the rest of 2024

Rarely has the (further) timetable of the European monetary policy been as unclear to predict as this year. However, we had already confidently communicated at the beginning of the year that the music would be played primarily in the second half of the year. Nonetheless, the current market environment offers a great deal of uncertainty, making it difficult to look into the crystal ball. In addition, the ECB's words have lost credibility since the June meeting. In its first statement of the day, the ECB emphasized that the Governing Council is unable or unwilling to commit to a further interest rate cut in September. However, we stand by our forecast: a maximum of two more cuts this year, namely at the next meeting in September and the last meeting in December, when the Governing Council will once again have access to the latest staff projections:

- 12. September – incl. new “staff projections”
- 17. October
- 12. December – incl. new “staff projections”, first time for 2027

A look at the implied interest rate probabilities supports our forecast: a further drop of 46 basis points has now been priced in for the remainder of 2024. The markets are still pricing in an 80% interest rate cut in September. In addition, ECB Governing Council Member Klaas Knot, for example, had previously spoken out in favour of sticking to quarterly rate cuts in order to wait for the updated staff projections. This once again underlines (at least) the ECB's new-found confidence in its own forecasting capabilities.

Conclusion and outlook

There had been signs in the run-up to today's meeting that the ECB would hammer its data-based meeting-by-meeting approach into the analysts' keyboards with a sledgehammer, and that is exactly what happened. Eyes are now turning eagerly towards September. If there are no (macroeconomic) surprises, we expect the next interest rate hike there. In any case, Lagarde left all options open. Or in the words of Taylor Swift: “you're an expert at [...] keeping the lines blurry.”

Appendix Publication overview

Covered Bonds:

[Issuer Guide – Covered Bonds 2023](#)

[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 Q1/2024](#) (quarterly update)

[Transparency requirements §28 PfandBG Q1/2024 Sparkassen](#) (quarterly update)

SSA/Public Issuers:

[Issuer Guide – German Laender 2023](#)

[Issuer Guide – German Agencies 2023](#)

[Issuer Guide – Canadian Provinces & Territories 2024](#)

[Issuer Guide – European Supranationals 2023](#)

[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 preview: Summer and interest break until September](#)

Appendix

Contacts at NORD/LB

Floor Research



Dr. Frederik Kunze
Covered Bonds/Banks
+49 172 354 8977
frederik.kunze@nordlb.de



Dr. Norman Rudschuck, CIIA
SSA/Public Issuers
+49 152 090 24094
norman.rudschuck@nordlb.de



Lukas Kühne
Covered Bonds/Banks
+49 176 152 90932
lukas.kuehne@nordlb.de



Christian Ilchmann
SSA/Public Issuers
+49 157 851 64976
christian.ilchmann@nordlb.de



Alexander Grenner
Covered Bonds/Banks
+49 157 851 65070
alexander.grenner@nordlb.de



Lukas-Finn Frese
SSA/Public Issuers
+49 176 152 89759
lukas-finn.frese@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

Origination & Syndicate

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

Treasury

Collat. Management/Repos	+49 511 9818-9200
Liquidity Management	+49 511 9818-9620 +49 511 9818-9650

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

Sales Wholesale Customers

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

Relationship Management

Institutionelle Kunden	rm-vs@nordlb.de
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 Finanzdienstleistungsaufsicht; 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 or liability 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 www.nordlb.de.

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 www.dsgv.de/sicherungssystem.

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 AUSTRALIAN 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 thereto, 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: 18 July 2024 (15:40h)