



Fixed Income Special

NORD/LB Floor Research

27 May 2024

Marketing communication (see disclaimer on the last pages)

Table of content

ECB preview: Don't be afraid of your own courage, please	3
Publication overview	8
Contacts at NORD/LB	9

Floor analysts:

Covered Bonds/Banks

Dr Frederik Kunze
frederik.kunze@nordlb.de

Lukas Kühne
lukas.kuehne@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 preview: Don't be afraid of your own courage, please

Authors: Dr Frederik Kunze // Dr Norman Rudschuck, CIIA

„We never pre-commit“: That is (ancient) history!

No phrase would be big enough to herald the imminent turnaround in interest rates... "It comes as it comes." "The next rate cut is always the hardest." "Don't be afraid of your own courage." At least that's our plea for 6 June. Over the past few days, there have been growing signs that an interest rate cut is highly likely next week Thursday. Before we look at current events and the discussions in the ECB Governing Council, let's take a brief look back and remember the convictions of Jean-Claude Trichet and Mario Draghi. For years – if not decades – it seemed like an irrefutable dogma when they insisted: "We never pre-commit!" A lot has happened since then. This also applies to a series of external shocks, which put the central bankers from the Main in a position that actually only allowed them to react. Oh yes, forward guidance was also introduced by Mario Draghi. After all, it was almost impossible to think of a monetary policy path that could be followed stoically. The crisis measures also included extensive asset purchase programmes, which were initially often criticised for indirectly (or indiscreetly) financing government debt. The "bank rescue" was followed by more and more attractive measures to support refinancing via the Eurosystem, which also increasingly undermined wholesale funding. The pandemic ultimately turned the ECB into a crisis manager that could only provide support with even more "liquidity". In principle, there was no question of "predetermining" monetary policy if the only option was to react. Interest rates were at a historically low level anyway. The turnaround in interest rates then followed "with notice", so to speak, in the wake of escalating inflation rates, when the ECB Governing Council was "behind the curve" and could only react again. During the rate hike cycle, Christine Lagarde was still able to say at times that the interest rate path was not predetermined and still repeats this today. But June was actually decided quite early on, wasn't it?

And now?

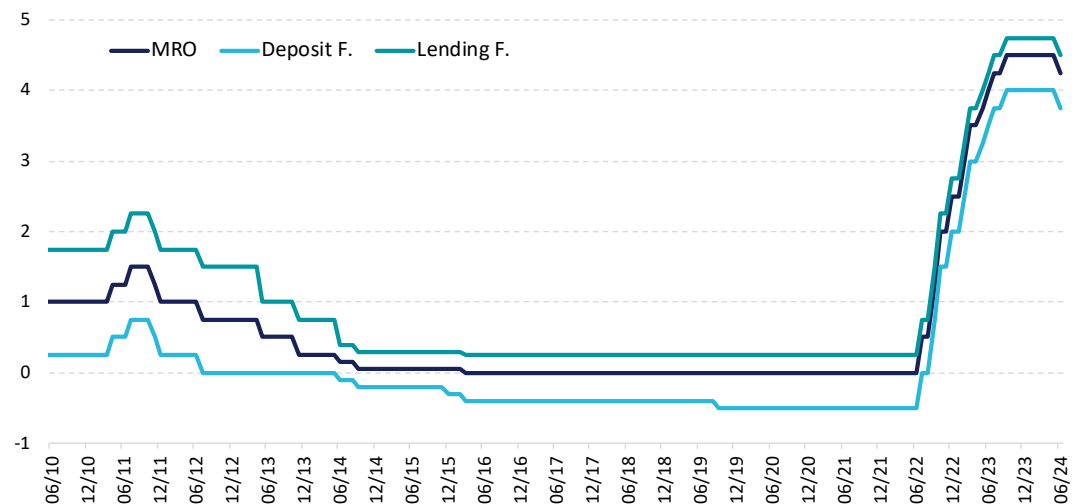
The Governing Council of the ECB seems almost stiff here. But just this once. Maybe. Probably. Rarely has the (future) path for the ECB been as unclear to predict as it is at the moment. Anyone betting on another rate cut in July after the one in June is banking on sand. Anyone expecting a further cut in September could be disappointed. October was never really on the table. And what will the Fed actually do between now and December? Today, in this edition of our preview, we shed light on why we believe in a maximum of three steps. Why we always expect at least one pause after a cut. And why it would be historic if the ECB were to cut before the Fed.

The roadmap for 2024

The year of interest rate cuts continues to cast its shadow ahead. The ECB meets on the following dates:

- 06 June – incl. new *staff projections*
- 18 July
- 12 September – incl. new *staff projections*
- 17 October
- 12 December – incl. new *staff projections*, then for the first time for 2027

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



Source: ECB, Bloomberg, NORD/LB Floor Research

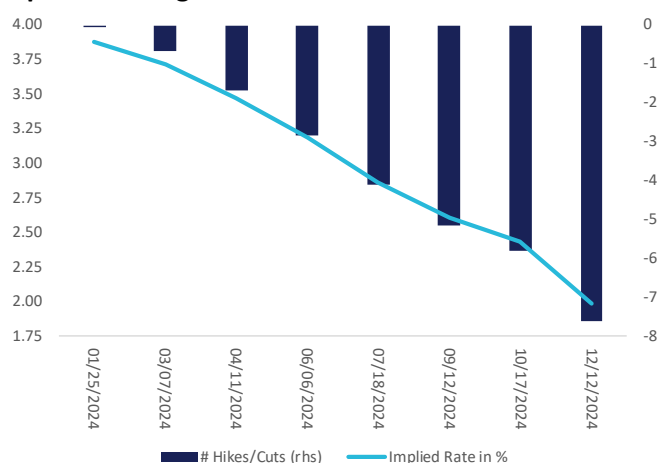
Opinions from the inner ECB circle: Interest rate cut? Yes, please! But carefully

ECB Director Isabel Schnabel commented on the upcoming interest rate meeting at a comparatively short notice and made it clear that if the Council's view was confirmed by the inflation forecasts or the new data, the cut would be likely in June. However, she also urged caution and vigilance, which, conversely, means that the data situation must be closely monitored. In principle, Schnabel's appearance is congruent with what we have perceived from those around us in terms of opinions or rather considerations since the last council meeting. Nevertheless, a certain diversity of perspectives remains. What is certainly more interesting than the question about the interest rate cut in June is how the future interest rate path can be predicted. ECB Vice President Luis de Guindos recently also announced a cut (by -25bp) for June, but at the same time highlighted the high level of uncertainty for the subsequent meetings. He also did not rule out interest rate increases, although these were very unlikely. However, in terms of an interest rate cutting cycle, it also remains vague, both in terms of the extent of the cuts and the number. Council member Olli Rehn also confirmed that there was no predetermination (beyond June). The Finnish central banker also sticks to his view from March, according to which the US Federal Reserve does not predetermine the ECB's steps with its key interest rate decisions. In the interview, he clearly underlined this point of view: "Even if we do not make policy in a vacuum, the ECB is not the 13th district of the Federal Reserve." Gediminas Šimkus from Lithuania had remarked at the beginning of May that interest rates could be cut "back-to-back". An unexpectedly pronounced disinflationary dynamic and a downward revision of the growth projections would argue in favor of a move in July. For Bundesbank's Joachim Nagel the ECB is by no means "on autopilot". For him, the interest rate cut in June is "plausible", but it should not necessarily be followed by further cuts (not even in July). The call for a break in interest rates in July is by no means new. The proven hawk Robert Holzmann from Austria has been demanding this quite energetically since the end of April at the latest. Regardless of what will ultimately happen, we note that the "majority opinion" in the Governing Council has shifted towards the "just three more rate cuts in 2024" scenario. This would include the June step. The basic tone of ECB chief economist Philip R. Lane, who recently said that the ECB must remain "restrictive the entire year," also seems cautious. However, for the June date he indicated that the "highest restriction level" could be left.

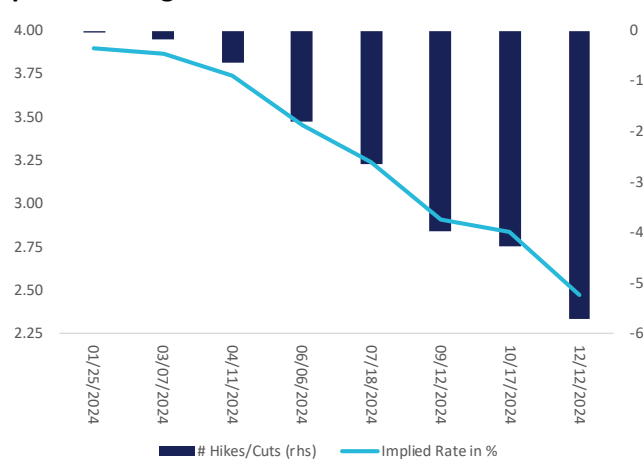
Minutes from the April meeting: Forecasting ability restored

The ECB already presented the [minutes](#) of the April meeting on 10 May. A review of the minutes of the Governing Council meeting does not reveal any real surprises, but completes the picture of the situation for us and confirms the expectations that were characterised by Lagarde's statement and words following the April meeting. In short, the interest rate cut in June – a baseline scenario – is supported by the discussions among central bankers. Looking through the minutes, it is also striking that the ECB's decision-makers appear to have regained confidence in their own projections. The statement asserts, for example: "With regard to the euro area economy, members widely agreed that latest information broadly vindicated the growth and inflation outlooks entailed in the March 2024 staff projections. This indicated that the forecasting ability of the quarterly projection exercises had been restored." This view, or rather this confidence, undoubtedly focussed the June meeting on the new projections to be presented. The summarised view of the inflation and growth path must ultimately provide the foundation for the interest rate move. The ECB Governing Council will then also have to factor out possible individual data points without ignoring the risk of inflation rates picking up again. Several risks are emphasised and discussed in the minutes. Wages and wage trends as well as the rate of inflation for services remain perennial hot topics. Unsurprisingly, the influence of developments in the US also once again occupied the Council. The influence of the exchange rate on price trends in the Eurozone remains within the focus here. With regard to the conclusions, we do not believe that the assessment in the minutes, according to which the inflation trend in the US and the Eurozone was seen as different, is free of risks. Even if the assessment that the trend in the US was driven more by demand factors and that in the Eurozone more by supply factors may be correct, a historical comparison certainly reveals that the price trend in the US also has a leading character for the Eurozone. However, this is unlikely to change the imminent move in June. Too little has fundamentally changed here after the April minutes stated: "It was seen as plausible that the Governing Council would be in a position to start easing monetary policy restriction at the June meeting if additional evidence received by then confirmed the medium-term inflation outlook embedded in the March projections."

Implied Overnight Rate 27.12.2023

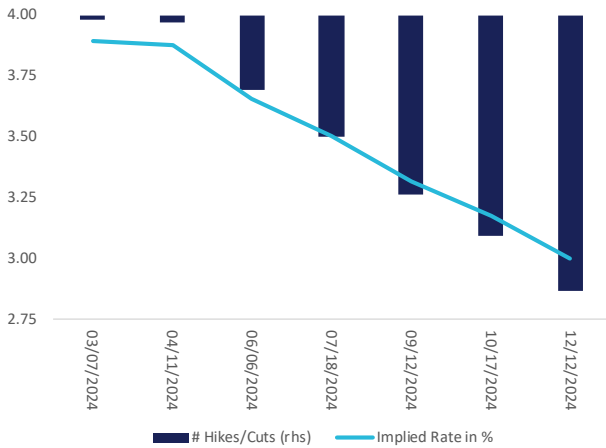


Implied Overnight Rate 24.01.2024

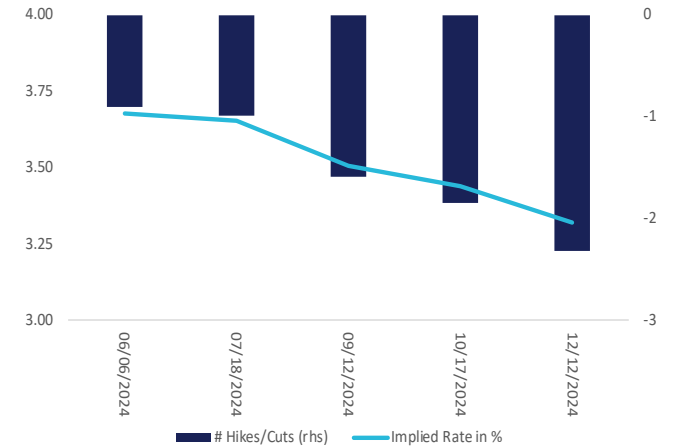


Source: Bloomberg, NORD/LB Floor Research

Implied Overnight Rate 26.02.2024



Implied Overnight Rate 24.05.2024

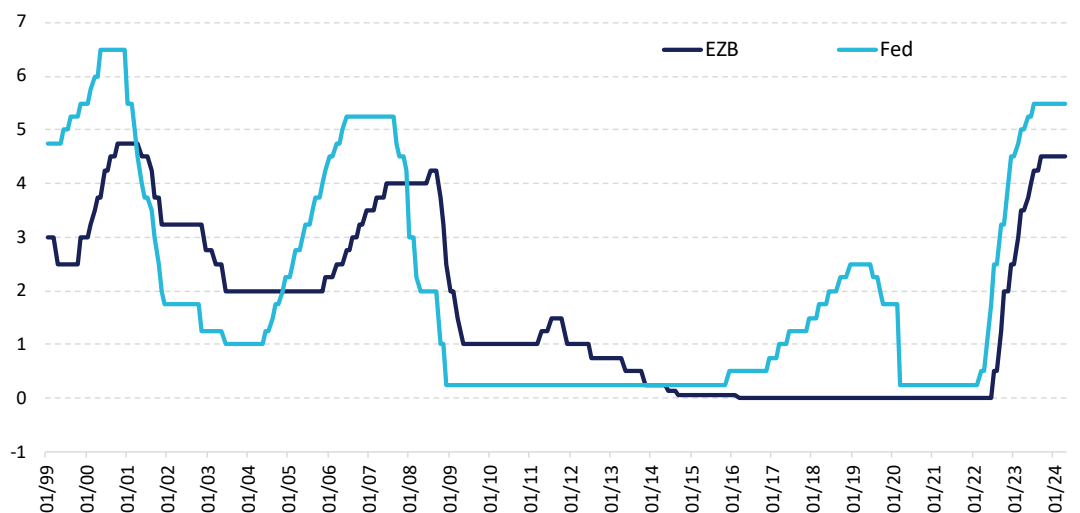


Source: Bloomberg, NORD/LB Floor Research

History in the making: Never since 1999 has the ECB cut interest rates before the Fed

With Congress's approval of the Federal Reserve Act, it came into force on December 23, 1913. This created the Federal Reserve System (Fed), the world's largest and most important central bank system and thus also a model and anchor for other central banks. Almost 85 years later – on June 1, 1998 – the ECB was founded. She was given the task of introducing the Euro and securing its value. Their primary goal is to ensure price stability. As the chart below shows, the ECB has never cut interest rates before the Fed in its almost 26-year history. So on June 6, 2024 it could be historic, the signs are becoming more and more intense. The ECB has made a major mistake twice in its history and reversed it afterwards: that was the interest rate hike in 2008, shortly before Lehman Brothers went bankrupt, and two hikes in 2011, shortly before Trichet's handover to Draghi. This time too, the ECB should be warned not to take too many or too big steps alone. Premature interest rate cuts by the ECB would make the US interest rate market appear even more attractive. This in turn would redirect capital flows to the USA and (negatively) influence the exchange rate. Keyword: imported inflation.

ECB versus Fed: A couple dance with a varying time lag



Source: ECB, Bloomberg, NORD/LB Floor Research

Our expectations for June 6th: The short end of a break

We assume that the ECB Council will cut interest rates on all three key main interest rates by 25bp each – and then pause. In our opinion, the ECB Council should then discuss: not whether interest rates will be cut again in 2024, but how often. As we expected and as communicated by the ECB, the meetings remain data-based so as not to use “data-driven” again. We are looking forward to all meetings with new *staff projections* with a certain excitement.

Public Issuers/SSA: The repricing appears to be barely complete

For some time now, the SSA segment has been finding it difficult to carry out necessary, “correct” and sustainable repricing. The cycle of interest rate hikes is long gone and it seems to be going down again in less than two weeks, but the different sub-markets for supranationals, regions such as German Laender, Belgian regions, but also Canadian provinces, national and regional German development banks, but also French ones, are still visible Agencies with 0% or 20% risk weight tend to be undecided about what their right price is. German Laender and KfW were recently trading at almost identical swap levels, which should not be the case. With the impending further downward turn in interest rates, a heterogeneous picture will once again emerge, which will slowly become more complete over time. The first issuers have already completed their funding activities for 2024. Some others might follow soon before the summer break.

Covered bond market: Relative attractiveness even after June 6th

The situation on the covered bond market is, unsurprisingly, largely determined by the ECB’s monetary policy. The upcoming – albeit probably rather tentative – start to the renewed interest rate turnaround is also shaping the behavior of investors and issuers. This is hardly surprising simply due to the formation of expectations and the corresponding spread and return expectations. And that is exactly why we do not see any significant impetus coming from June 6th, so that there is unlikely to be a trend reversal, particularly in terms of issuances. With regard to investor demand, we see covered bonds as a key “selling point” due to their high relative attractiveness compared to, for example, government bonds and credits or corporates. This should not be washed out even after a -25bp interest rate cut. In the longer term, in the event of a significantly flattened interest rate reduction path, it cannot be ruled out that investors will once again focus more on credit quality aspects. This could lead to a spread widening.

Conclusion and outlook

We assume that the ECB Council will do something historic on June 6th: the first interest rate cut before the Fed. We expect that all three key interest rates will be reduced by 25bp each – and paused in July. In our opinion, the ECB Council should then discuss: not whether interest rates will be cut again in 2024, but how often. We are looking forward to all meetings with new *staff projections* with some excitement. At the end of 2023, we had already decided on very few interest rate cuts in 2024 and also pointed out that cutting too quickly could be more damaging. The most likely roadmap includes a maximum of three cuts in 2024, namely in June, September and December. This would therefore always be part of the new *staff projections*. There would be something varied: one session down, one session off – and then all over again. 2025 is currently still a black box for us, as the first step of the reductions has to be taken first. Then we can see further – and more clearly. Because the ECB cannot be afraid of its own courage on June 6th, please!

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 – 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 2023](#)

[ECB decision: Between interest rate-Scylla and inflation-Charybdis](#)

Appendix

Contacts at NORD/LB

Floor Research



Dr Frederik Kunze

Covered Bonds/Banks

+49 172 354 8977

frederik.kunze@nordlb.de



Lukas Kühne

Covered Bonds/Banks

+49 176 152 90932

lukas.kuehne@nordlb.de



Dr Norman Rudschuck, ClIA

SSA/Public Issuers

+49 152 090 24094

norman.rudschuck@nordlb.de



Christian Ilchmann

SSA/Public Issuers

+49 157 851 64976

christian.ilchmann@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: 27 May 2024 (10:59h)