



# Fixed Income Special

NORD/LB Markets Strategy & Floor Research



# Agenda

ECB interest rate decision: Roadmap to QT	3
Publication overview	6
Contacts at NORD/LB	7

# Floor analysts:

Covered Bonds/Banks
Dr Frederik Kunze
frederik.kunze@nordlb.de
Melanie Kiene, CIIA
melanie.kiene@nordlb.de
Stefan Rahaus

stefan.rahaus@nordlb.de

SSA/Public Issuers
Dr Norman Rudschuck, CIIA
norman.rudschuck@nordlb.de

Jan-Phillipp Hensing
jan-phillipp.hensing@nordlb.de

NORD/LB:NORD/LB:NORD/LB:Bloomberg:Markets Strategy & Floor ResearchCovered Bond ResearchSSA/Public Issuer ResearchRESP NRDR <GO>



# ECB interest rate decision: Roadmap to QT

Authors: Dr Norman Rudschuck, CIIA // Jan-Phillipp Hensing // Dr Frederik Kunze

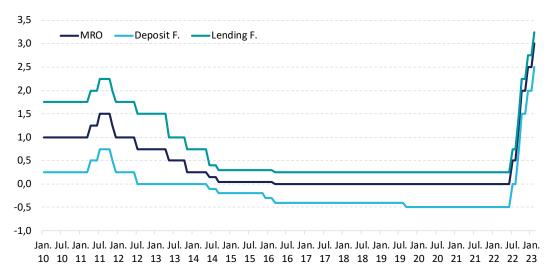
# ECB decision: +50bp as expected at all the key interest rates

At its regular meeting today, the ECB Governing Council decided, as expected, to raise all three key interest rates again by 50 basis points. This already seemed to be a foregone conclusion after the last press conference in December 2022, when President Lagarde had held out the prospect of several increases on this scale. Accordingly, the interest rates for the main refinancing operations as well as the interest rates for the marginal lending facility and the deposit facility are 3.00%, 3.25% and 2.50%, respectively. The Governing Council continues to assume that further interest rate steps will be necessary - above all to sustainably contain the existing risk of inflation expectations being permanently shifted upward. In view of this, another hike of 50bp is intended in March. In addition, the "meetingby-meeting" approach is to be followed, although we would like to refer admonitively to the last press conference at which something like hawkish guidance was launched at the "meta level". Therefore, it was more true than ever at today's meeting: All ears open at the press conference! Since the interest rate step was already certain for the majority of market participants, the focus of today's ECB key rate meeting was therefore on the new information or on the parameterization of reinvestments under the APP. New projections regarding inflation and economic growth were not published today, these take place four times a year and thus "only" with the next meeting in March.

# Preliminary reinvestment roadmap: The parameters until the end of Q2 are there!

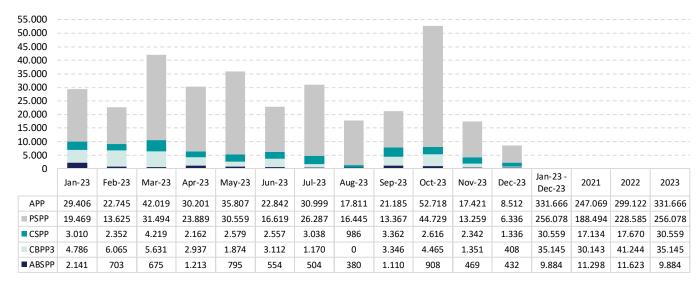
Today, the parameters for the APP portfolio reduction were announced: Reinvestments are to be made by the end of Q2 largely in line with current practice. There are no plans to reallocate between the individual programs. For the PSPP, the ECB also intends to reinvest amounts in equal proportion to maturities with respect to jurisdictions (including supranationals). As expected, there were no changes regarding reinvestments in the PEPP. The details can be found <a href="https://example.com/here">here</a>.

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



Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research





APP: Expected monthly redemptions (in EURm)

Source: ECB, Bloomberg, NORD/LB Markets Strategy & Floor Research

#### Musings on the further QT roadmap

As a reminder, at the previous ECB meeting on December 15, 2022, the Council decided to reduce holdings from the APP at a measured and predictable pace from the beginning of March. Specifically, it was communicated that maturities would no longer be fully reinvested from March until the end of Q2, but would be reduced by an average of EUR 15bn per month. The chart above shows the maturities of the program. From March to the end of June, maturities totaled EUR 130.9bn. Obviously, the amount not reinvested totals EUR 60bn. Therefore, in percentage terms, only around 54% will be reinvested — significantly less than we would have expected in the old year. Let us engage in a thought experiment: It is conceivable that the pace of inventory reduction in Q3 and Q4 will remain at the same high level or even pick up further. If the ECB continues to reinvest "only" EUR 15bn less on a monthly average in Q3, the reinvestment ratio would already have fallen to around 36%. In Q4, maturities of EUR 78.7bn are to be expected due to October (EUR 52.7bn then alone). It is therefore quite conceivable that the amount not reinvested will then be increased to an average of EUR 20bn, resulting in a reinvestment ratio of at most 24% (or even less) and finally no more reinvestments from 2024 onwards.

### Shifts towards ESG or even between programs and/or jurisdictions in the future?

It would also be conceivable somewhen in the second half of the year that reallocations could be made between the PSPP, CBPP3 and CSPP programs. The ABSPP can remain unmentioned here due to its "size". Or – since there are no prohibitions on thinking – the ECB may deviate more from the ECB capital key between the individual jurisdictions or Supras under the PSPP as part of its flexibility. Further, ESG could also become more of a focus for reinvestment: For the CSPP, it was already announced in July 2022 that reinvestment in issuers with a better climate balance is to be increased. To the extent that this can be done without compromising the ECB's price stability target, this approach supports the gradual decarbonization of the Eurosystem's holdings of corporate bonds in line with the objectives of the Paris Agreement. Why should this not also apply to public or covered bond issuers in the future?



# Implications of today's ECB decision for public sector issuers (SSAs).

All quiet on the Western front: Supras do not operate in any vacuum of the above-mentioned interest rate steps, but if order books are several times oversubscribed, it is here in this sub-segment. The EIB brought its ten-year bond (EUR 5bn) at 4.5 times oversubscription. The coupon was 2.875%. Not to mention the multiple oversubscribed book of the EU tap. Moreover, the interest rate step of +50bp was already anticipated by most market participants anyway and thus priced in. Admittedly, the current wave of issuance shows that it makes sense to achieve the first funding successes as early as possible in January. The German states are currently exercising only partial restraint. Here, it was particularly exciting to have already seen NIESA twice with EUR 750m each. SAARLD, BRABUR, HESSEN and especially NRW (dual tranche) have also already been extremely successful in the market. However, the slow but progressive exit of the ECB from the purchase programs could shake the spread differences to the core in the medium term and lead to a gain in significance of the fundamental differences.

#### Impact on the covered bond market

In our view, today's decisions and announcements by the ECB Council do not provide fresh impetus for the covered bond segment. Thus, the course continues after the Eurosystem loosens its grip from the covered bond market. A possible influencing factor that would have led us to adjust our expectations with regard to the issuance pattern or spread developments would have been an adjustment of reinvestments with a view to the sectoral weightings in the individual purchase programs. In this case, however, central bankers are sticking to reinvesting maturities where they occur. In the TLTRO III tenders, we are also struck by the Council's now more observational role. The ECB will probably follow the further reduction of the balance sheet from the sidelines here. With the announced parameters in APP reinvestments or in the context of QT, the focus remains on the ECB order share in the covered bond primary market. After no adjustment has been made so far in February, we actually expect a reduction to 10% with the first "March settlement date". There will then be some slight widening here, with a large proportion of the monetary policy turnaround already having been factored into the market, also in view of the specific influences on the covered bond market. February is likely to be quite busy again on the primary market.

# **Conclusion and comment**

We tell the joke of the day right away: the "meeting-by-meeting" approach and the self-imposed data dependency is countered by the ECB itself by letting us know already at 14:15 in the press release that it would require +50bp again in March (16.03.). Much more pre-determination is not possible and in 2022 it came several times differently, so in our opinion +25bp in May (04.05.) are also set and only the June meeting will let us know whether in May is really already the end of the line with regard to rate hikes. Exciting was the wait for the details for the upcoming QT from March 2023, when an average of EUR 15bn per month will not be reinvested until the end of Q2. There were more details at 15:45 in another press release. Not in focus for us, but possibly more than just a test balloon: under the CSPP, the amounts remaining for reinvestment will be more focused on issuers with better climate performance. We would also like to extend the APP to public issuers and/or covered bonds in the second half of the year and then terminate the APP at the end of 2023.



# Appendix Publication overview

#### **Covered Bonds:**

**Issuer Guide Covered Bonds 2022** 

**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 Q3/2022 (quarterly update)

Covered bonds as eligible collateral for central banks

# **SSA/Public Issuers:**

Issuer Guide – German Laender 2022

<u>Issuer Guide – German Agencies 2022</u>

<u>Issuer Guide – Dutch Agencies 2022</u>

**Beyond Bundeslaender: Belgium** 

**Beyond Bundeslaender: Greater Paris (IDF/VDP)** 

**Spotlight on Spanish regions** 

# **Fixed Income Specials:**

ESG-Update 2022

ECB: The Wishing-Table, the Gold-Ass, and the Cudgel in the Sack

**ECB interest rate decision: delivered as expected?** 

ECB acts as the 'House of Hikes' - or: Winter is coming!

ECB frontloads rate hike by +50bp and breaches pre-commitment



# Appendix Contacts at NORD/LB

# **Markets Strategy & Floor Research**



**Dr Frederik Kunze**Covered Bonds/Banks

+49 172 354 8977 frederik.kunze@nordlb.de



Melanie Kiene Covered Bonds/Banks

+49 172 169 2633 melanie.kiene@nordlb.de



**Stefan Rahaus**Covered Bonds/Banks

+49 172 6086 438 stefan.rahaus@nordlb.de



**Dr Norman Rudschuck** SSA/Public Issuers

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



Jan-Phillipp Hensing SSA/Public Issuers

+49 172 425 2877 jan-phillipp.hensing@nordlb.de

Sale	es
------	----

Institutional Sales	+49 511 9818-9440	Co
Sales Sparkassen & Regionalbanken	+49 511 9818-9400	Fir
Sales MM/FX	+49 511 9818-9460	Go
Sales Europe	+352 452211-515	Lä

# **Trading**

Covereds/SSA	+49 511 9818-8040
Financials	+49 511 9818-9490
Governments	+49 511 9818-9660
Länder/Regionen	+49 511 9818-9550
Frequent Issuers	+49 511 9818-9640

# **Origination & Syndicate**

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

# **Sales Wholesale Customers**

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

# Treasury

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

# **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 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 the Markets Strategy & Floor 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 <a href="https://www.nordlb.de">www.nordlb.de</a>.

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 <a href="https://www.dsgv.de/sicherungssystem">www.dsgv.de/sicherungssystem</a>.

#### 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: Thursday, 02 February 2023 (16:19h)

Distribution: 02.02.2023 17:14:50